

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	914.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-1.0 degrees horizontal

Beam Spread	At 10% of Imax	98.3V x 96.8H
	At 50% of Imax	63.0V x 61.9H
	At 90% of Imax	27.7V x 29.1H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	918.5 lumens per klm.
	To 50% of Imax	620.1 lumens per klm.
	To 90% of Imax	163.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

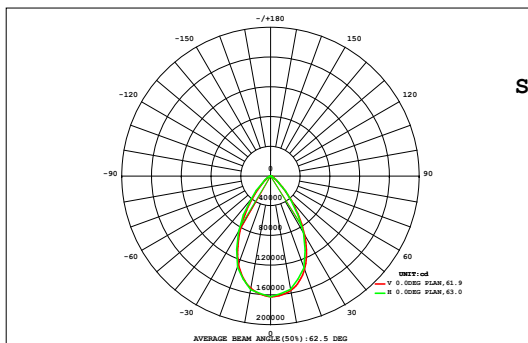
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:08 December 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.81V I:5.5232A P:1215.5W PF:0.9967 Freq:49.96Hz Lamp Flux:177388x1 lm		
NAME: SP-1200W-5700K-RA70-5050-60°	TYPE:	
MFR.: EVERFINE		



DATA OF LAMP		Eff:145.93lm/W	
SP-1200W-5700K-RA70-5050-60°		Imax(cd)	162238
NOMINAL POWER(W)	1200	AVAILABILITY(%)	92.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	163190
NOMINAL FLUX(lm)	177388	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	177388
TEST VOLTAGE(V)	220	θ @50% (H,V)	62,63DEG

VERTICAL(°)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	3.69	8.13	14.1	21.1	28.7	36.1	42.8	47.6	50.1	49.9	46.9	41.8	35.1	27.6	20.1	13.3	7.66	3.56	498	0.00
72	6.13	13.1	22.7	34.7	48.6	63.5	78.1	90.0	96.2	95.3	87.6	74.9	60.2	45.7	32.5	21.2	12.2	5.74	888	0.00
64	8.34	18.0	32.3	52.6	81.4	119	163	202	226	225	199	158	114	77.1	49.9	30.8	17.4	8.17	1782	0.00
56	10.8	23.7	44.6	80.7	142	234	351	463	531	529	457	342	225	134	75.8	42.2	22.6	10.4	3718	2406
48	13.6	30.7	62.7	129	255	459	713	945	1080	1068	915	671	419	227	113	55.1	27.3	12.2	7195	6466
40	15.7	37.2	85.0	197	432	814	1254	1629	1835	1819	1583	1183	739	378	169	72.9	33.1	14.4	12291	11736
32	17.5	43.8	111	284	653	1201	1795	2270	2513	2498	2223	1717	1112	576	241	93.9	38.6	16.2	17406	16950
24	18.3	47.4	127	347	811	1474	2156	2662	2915	2911	2647	2126	1428	766	320	117	44.2	17.9	20935	20527
	19.2	50.6	141	395	923	1654	2375	2875	3116	3112	2855	2334	1598	869	362	128	46.6	18.6	22873	22488
	20.1	53.7	152	424	971	1710	2416	2892	3116	3098	2834	2303	1563	839	343	121	44.5	17.8	22920	22529
	18.8	49.1	134	366	851	1531	2215	2704	2939	2928	2662	2136	1433	765	317	114	43.1	17.6	21224	20808
	17.2	42.8	108	277	646	1202	1807	2286	2528	2515	2248	1750	1143	599	252	97.4	39.3	16.4	17575	17109
-24	15.0	35.8	82.2	194	432	823	1279	1670	1885	1879	1653	1257	801	417	184	77.8	34.3	15.0	12734	12198
-32	13.1	29.9	62.2	130	264	491	773	1032	1182	1172	1006	740	458	242	118	56.8	28.1	12.7	7810	7114
-40	11.3	24.7	46.8	85.4	150	246	372	492	558	543	452	323	203	122	69.8	39.6	21.6	9.97	3770	2676
-48	8.52	18.2	32.2	51.3	77.3	111	147	181	201	199	177	143	106	73.0	48.2	30.2	17.1	7.98	1628	183
-56	6.02	13.0	22.6	34.6	48.6	64.1	79.8	93.3	101	101	93.0	79.4	63.4	47.6	33.4	21.7	12.5	5.88	920	0.00
-64	3.72	8.18	14.3	21.5	29.0	36.2	42.3	46.6	48.7	48.4	46.0	41.5	35.4	28.3	20.9	13.9	8.11	3.81	497	0.00
-72	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(°)	16	24	32	40	48	56	64	72			
Φ t	227	548	1294	3125	6843	12270	18060	22581	24921	24791	22184	17419	11536	6236	2770	1147	498	214	176664	---
Φ a	0.00	0.00	85.8	2079	6000	11524	17361	21856	24209	24101	21458	16706	10770	5393	1640	6.69	0.00	0.00	---	163190

one-half-peak spread: U:31.9,D:31.4 , L:31.2,R:31.0

NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:08 December 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

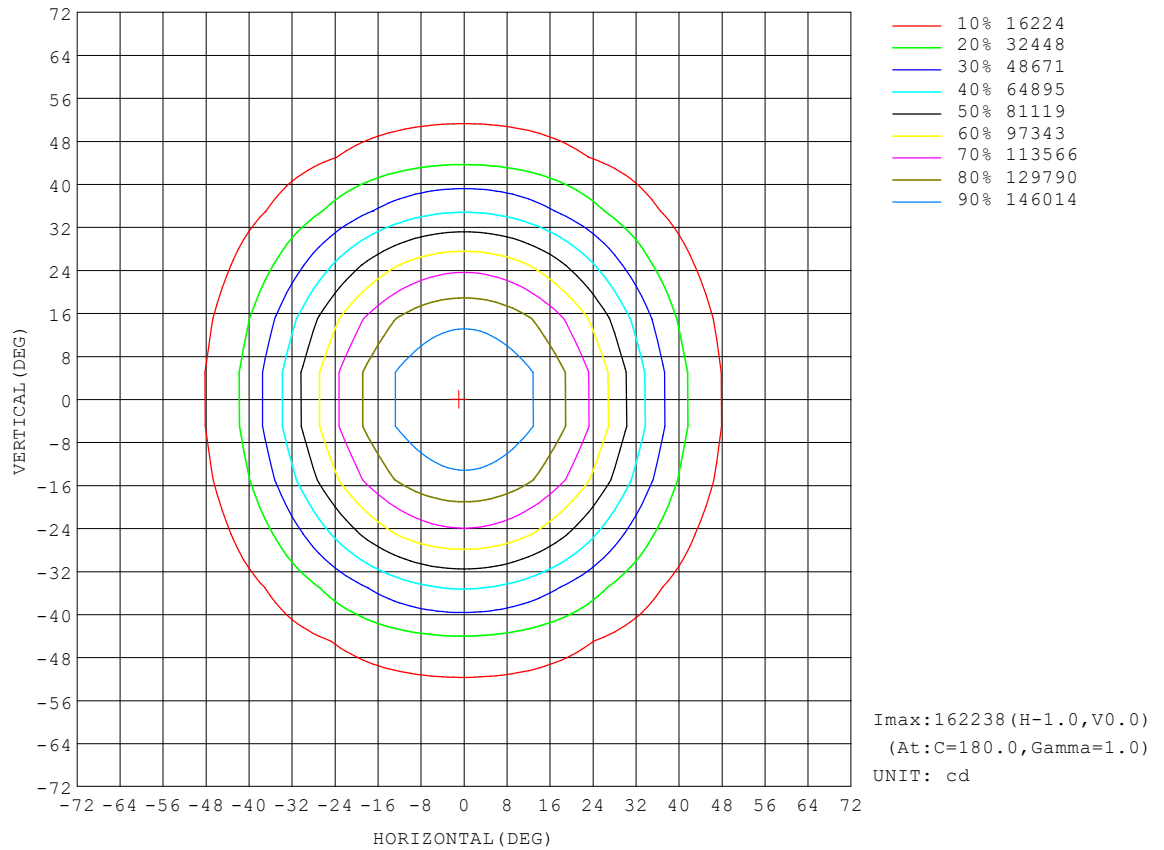
Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

Test:U:220.81V I:5.5232A P:1215.5W PF:0.9967 Freq:49.96Hz Lamp Flux:177388x1 lm		
NAME: SP-1200W-5700K-RA70-5050-60°	TYPE:	
MFR.: EVERFINE		

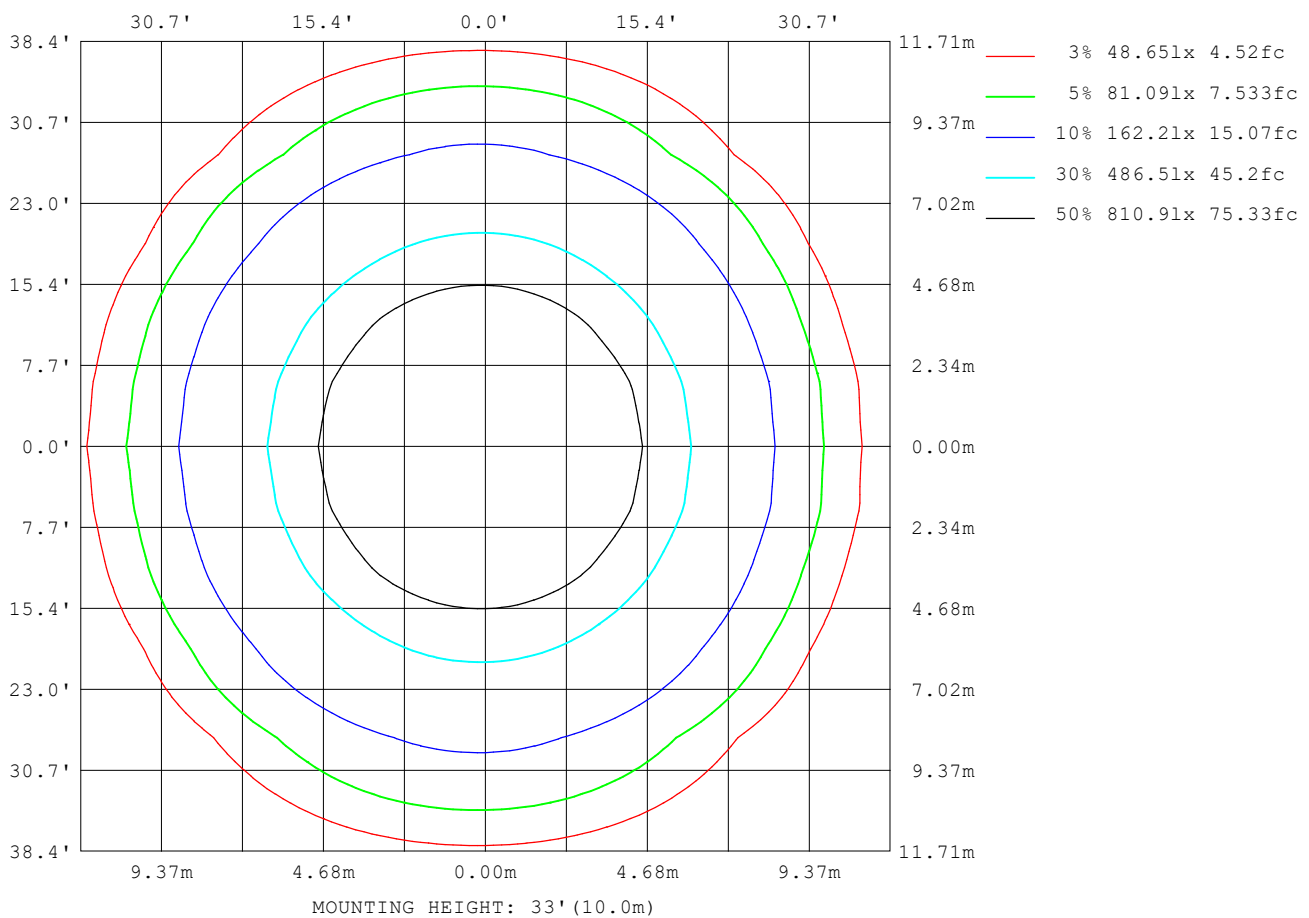


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:08 December 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

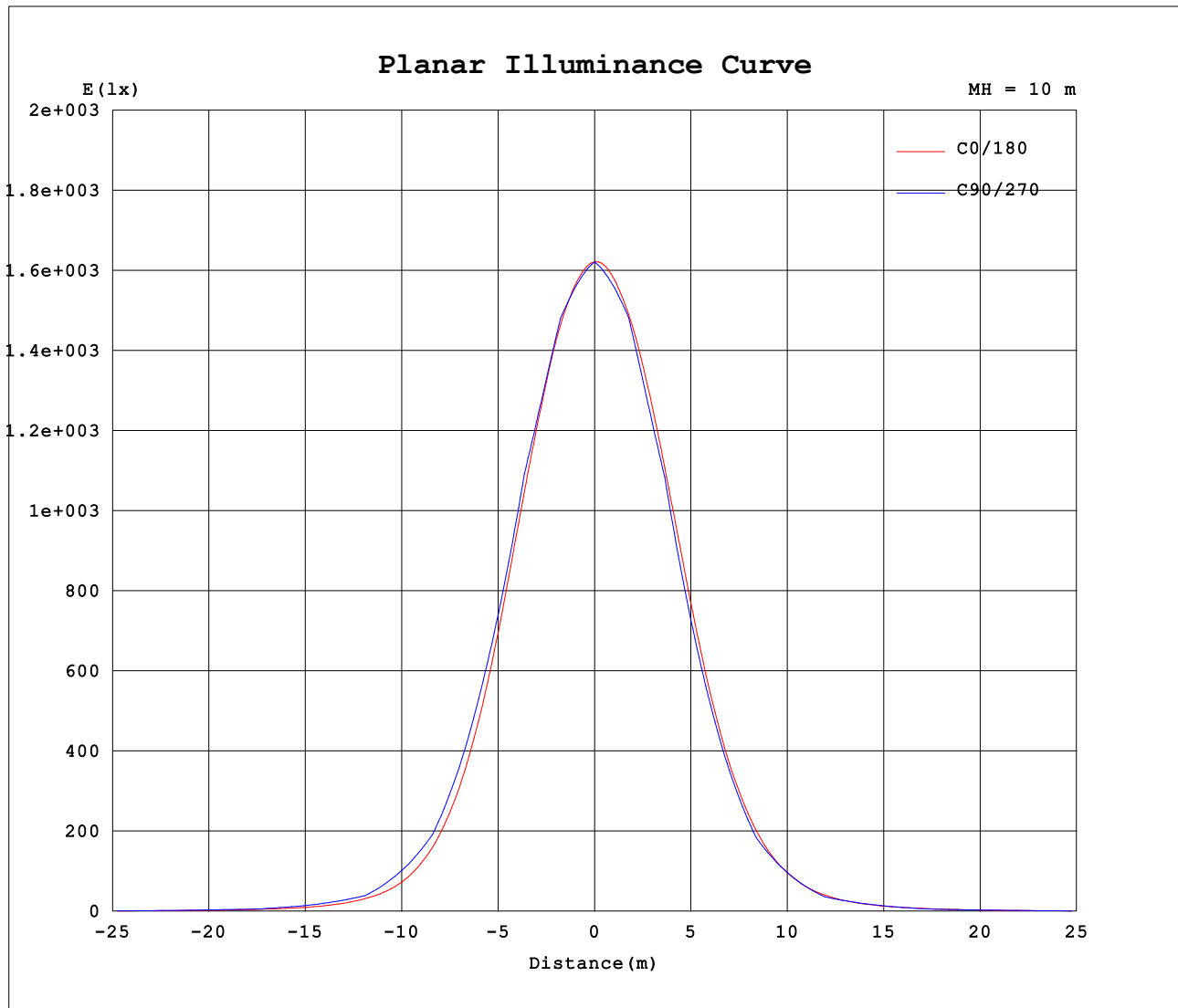
Test:U:220.81V I:5.5232A P:1215.5W PF:0.9967 Freq:49.96Hz Lamp Flux:177388x1 lm		
NAME: SP-1200W-5700K-RA70-5050-60°	TYPE:	
MFR.: EVERFINE		



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:08 December 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve

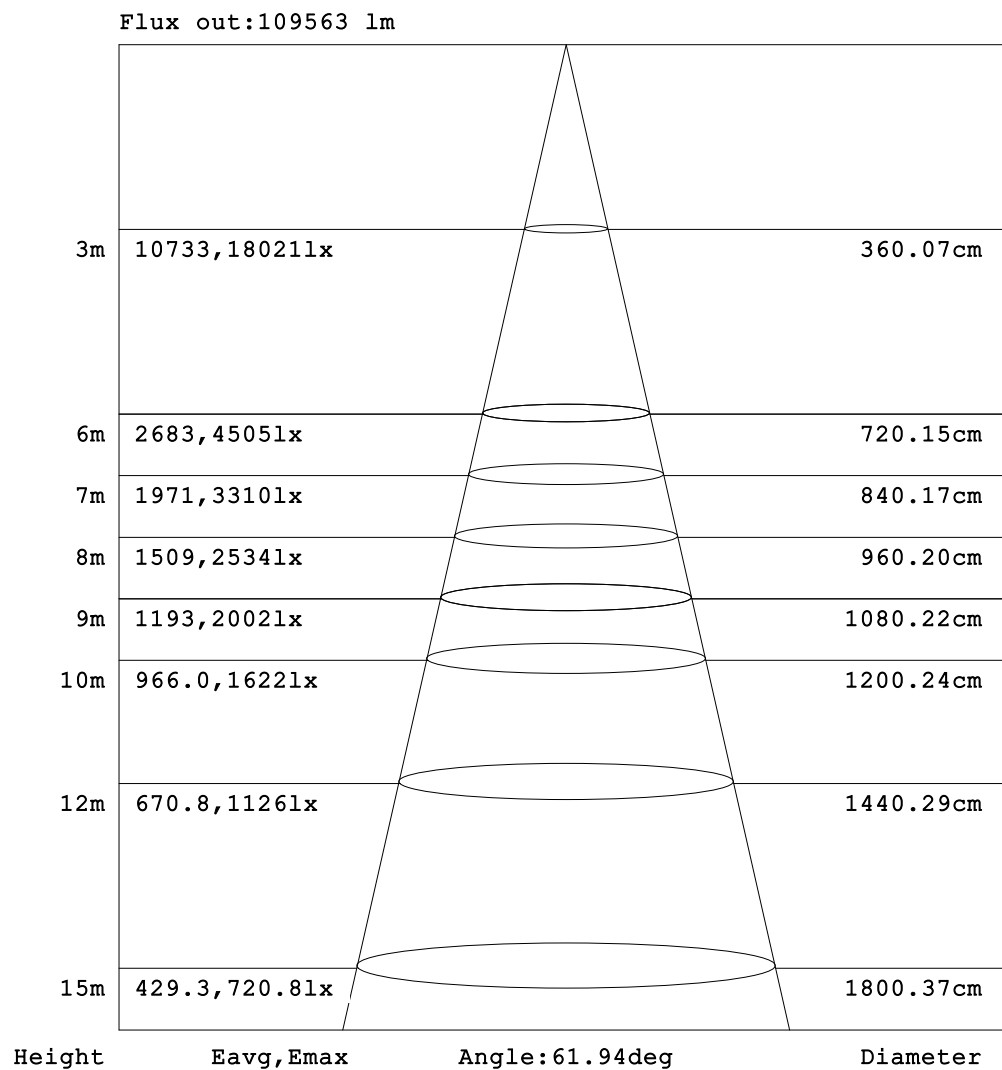


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:08 December 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.81V I:5.5232A P:1215.5W PF:0.9967 Freq:49.96Hz Lamp Flux:177388lx1 lm		
NAME: SP-1200W-5700K-RA70-5050-60°	TYPE:	
MFR.: EVERFINE		



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:08 December 2022

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.81V I:5.5232A P:1215.5W PF:0.9967 Freq:49.96Hz Lamp Flux:177388x1 lm		
NAME: SP-1200W-5700K-RA70-5050-60°	TYPE:	
MFR.: EVERFINE		

Table--1

UNIT: X100cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.17	0.26	0.52	0.90	1.40	1.93	2.56	3.23	3.93	4.69	5.43	6.07	6.63	7.10	7.49	7.77	7.97	8.07	8.07
-75	0.16	0.29	0.66	1.35	2.41	3.53	4.74	6.06	7.39	8.72	9.99	11.2	12.3	13.3	14.1	14.7	15.2	15.5	15.5
-70	0.16	0.43	1.00	2.19	3.87	5.59	7.44	9.41	11.4	13.3	15.0	16.8	18.3	19.8	20.9	21.9	22.5	22.9	22.9
-65	0.14	0.40	1.17	2.81	5.13	7.51	10.1	12.8	15.5	18.4	21.2	24.1	27.0	29.8	32.4	34.7	36.4	37.4	37.6
-60	0.14	0.59	1.85	4.26	7.32	10.4	13.8	17.2	20.8	24.6	28.6	32.6	36.8	40.9	44.8	48.2	50.8	52.1	52.3
-55	0.13	0.52	1.90	4.74	8.37	12.1	16.2	20.6	25.6	31.4	38.2	46.2	55.5	65.6	75.9	85.7	93.6	98.6	100
-50	0.13	0.74	2.86	6.60	10.8	15.3	20.3	26.0	32.6	40.7	50.8	63.3	78.2	94.4	111	127	139	146	148
-45	0.11	0.65	2.85	6.99	11.7	16.9	23.0	30.2	39.7	52.8	70.6	94.4	124	160	198	234	264	283	289
-40	0.12	1.05	4.22	9.27	14.6	20.8	28.3	37.8	51.2	71.0	98.8	137	184	241	300	355	399	425	430
-35	0.11	0.80	3.93	9.12	14.8	21.6	30.2	41.8	59.8	88.0	130	190	269	360	452	536	603	645	659
-30	0.12	1.32	5.53	11.2	17.5	25.5	36.1	51.8	77.7	120	181	272	388	516	639	747	829	877	888
-25	0.10	1.01	5.12	10.9	17.5	25.9	37.6	55.8	87.0	139	221	340	486	644	796	927	1024	1082	1102
-20	0.12	1.81	6.85	13.0	20.5	30.4	44.9	69.6	113	186	302	462	646	835	1010	1151	1248	1302	1314
-15	0.10	1.30	5.96	12.0	19.5	29.3	43.8	68.9	114	193	321	495	698	907	1096	1247	1352	1413	1433
-10	0.12	2.31	7.27	13.8	21.9	33.1	50.6	82.3	140	241	401	606	834	1059	1251	1393	1487	1538	1550
-5	0.10	1.68	6.31	12.7	20.6	31.3	47.7	77.6	133	231	387	593	825	1059	1259	1409	1510	1566	1586
0	0.12	2.63	7.66	14.4	23.0	34.8	54.1	89.9	156	274	448	671	912	1148	1336	1474	1561	1609	1622
5	0.09	1.84	6.34	12.7	20.7	31.5	47.9	78.0	133	232	388	594	826	1059	1259	1410	1511	1568	1588
10	0.12	2.47	7.35	13.9	22.2	33.4	51.0	83.0	141	243	404	608	836	1060	1251	1394	1489	1541	1553
15	0.08	1.73	6.02	12.2	19.7	29.7	44.3	69.6	115	194	322	495	696	903	1092	1242	1349	1410	1430
20	0.13	2.36	6.92	13.1	20.7	30.7	45.4	70.3	114	187	301	459	641	827	1000	1141	1239	1294	1306
25	0.08	1.54	5.41	11.0	17.7	26.2	37.9	56.2	87.2	139	220	336	479	634	783	911	1008	1067	1087
30	0.11	1.93	5.88	11.3	17.7	25.7	36.3	52.0	77.3	118	179	267	379	503	622	727	806	855	866
35	0.09	1.30	4.54	9.31	14.9	21.8	30.3	42.0	59.6	86.8	128	186	261	348	437	517	582	624	639
40	0.11	1.62	4.87	9.43	14.7	20.9	28.4	37.8	50.8	69.9	96.8	132	177	230	286	337	379	404	410
45	0.09	1.05	3.53	7.28	11.8	17.0	23.0	30.3	39.4	52.0	69.3	91.8	120	153	188	222	250	269	275
50	0.10	1.22	3.51	6.87	10.9	15.3	20.4	26.0	32.5	40.2	49.9	61.5	75.0	90.0	105	119	130	138	139
55	0.10	0.76	2.45	5.08	8.42	12.1	16.1	20.6	25.5	31.0	37.5	45.0	53.6	62.9	72.2	80.9	88.2	93.0	94.6
60	0.11	0.87	2.33	4.54	7.31	10.4	13.6	17.0	20.6	24.3	28.0	31.8	35.7	39.5	43.0	46.0	48.3	49.5	49.7
65	0.11	0.46	1.51	3.05	5.07	7.43	9.94	12.6	15.3	18.0	20.8	23.5	26.2	28.7	31.1	33.1	34.7	35.6	35.9
70	0.11	0.43	1.24	2.30	3.71	5.42	7.31	9.16	11.0	12.8	14.6	16.2	17.7	19.0	20.1	21.0	21.6	21.9	22.0
75	0.12	0.22	0.72	1.39	2.28	3.36	4.58	5.82	7.09	8.31	9.50	10.6	11.6	12.5	13.3	13.9	14.3	14.6	14.7
80	0.12	0.17	0.43	0.82	1.24	1.76	2.34	2.99	3.66	4.28	4.86	5.42	5.95	6.39	6.75	7.00	7.19	7.29	7.31
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:08 December 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.81V I:5.5232A P:1215.5W PF:0.9967 Freq:49.96Hz Lamp Flux:177388x1 lm		
NAME: SP-1200W-5700K-RA70-5050-60°	TYPE:	
MFR.: EVERFINE		

Table--2

UNIT: X100cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	8.01	7.85	7.60	7.26	6.82	6.31	5.72	5.08	4.44	3.76	3.09	2.46	1.87	1.32	0.87	0.58	0.32	0.22	
-75	15.4	15.1	14.6	13.9	13.1	12.1	11.0	9.87	8.66	7.41	6.14	4.91	3.74	2.63	1.60	0.90	0.46	0.24	
-70	22.6	22.1	21.3	20.3	18.9	17.5	15.9	14.2	12.4	10.6	8.68	6.89	5.16	3.49	1.98	1.00	0.44	0.25	
-65	37.1	35.9	34.0	31.7	29.1	26.3	23.5	20.7	17.9	15.2	12.6	10.0	7.65	5.41	3.15	1.53	0.68	0.29	
-60	51.3	49.1	45.9	42.1	38.1	34.0	30.0	26.1	22.3	18.8	15.4	12.2	9.21	6.40	3.55	1.59	0.65	0.32	
-55	98.1	92.6	84.2	74.5	64.1	54.0	44.9	37.0	30.5	25.0	20.3	16.1	12.2	8.70	5.36	2.46	0.99	0.42	
-50	143	133	119	103	86.0	70.2	56.5	45.2	36.4	29.3	23.4	18.3	13.7	9.65	5.87	2.50	0.98	0.51	
-45	281	261	230	194	155	120	91.1	67.8	50.4	38.1	29.4	22.6	16.9	12.1	7.83	3.76	1.40	0.66	
-40	413	378	327	269	210	157	115	82.6	58.9	42.9	32.3	24.5	18.1	12.7	8.12	3.65	1.37	0.80	
-35	644	600	533	448	355	264	188	127	85.2	57.9	40.7	29.7	21.7	15.4	10.1	5.41	1.92	0.99	
-30	862	800	707	592	464	339	232	152	98.6	64.6	43.9	31.3	22.6	15.8	10.2	5.35	1.85	1.17	
-25	1082	1023	925	793	640	481	335	216	135	84.1	53.8	36.8	26.1	18.3	12.0	6.85	2.55	1.34	
-20	1285	1213	1095	936	752	562	386	241	146	88.9	55.3	37.2	26.0	18.0	11.6	6.41	2.32	1.51	
-15	1414	1355	1248	1097	906	697	493	317	190	112	67.1	43.0	29.5	20.4	13.4	7.77	3.28	1.61	
-10	1526	1461	1349	1189	979	748	525	333	195	113	66.6	42.3	29.0	19.8	12.7	7.12	2.93	1.72	
-5	1568	1513	1411	1261	1059	824	590	382	225	129	75.1	46.6	31.4	21.5	14.1	8.20	3.73	1.74	
0	1594	1532	1421	1261	1048	805	566	359	207	120	69.1	43.3	29.4	20.0	12.9	7.17	3.14	1.76	
5	1569	1513	1410	1259	1056	820	587	379	224	129	74.9	46.5	31.4	21.4	14.0	8.13	3.71	1.69	
10	1527	1460	1346	1185	973	740	519	328	193	112	66.1	42.1	28.8	19.6	12.6	6.99	3.05	1.62	
15	1411	1349	1241	1088	897	687	485	312	187	110	66.5	42.9	29.4	20.2	13.2	7.60	3.39	1.46	
20	1275	1202	1082	922	740	552	378	237	143	87.3	54.9	37.1	25.9	17.8	11.4	6.21	2.56	1.31	
25	1067	1008	909	777	627	470	327	211	132	82.7	53.4	36.7	26.0	18.1	11.8	6.67	2.86	1.11	
30	841	781	690	575	451	328	226	149	97.0	63.9	43.7	31.3	22.5	15.6	9.99	5.33	2.07	0.93	
35	624	583	517	434	344	256	182	124	83.8	57.3	40.5	29.7	21.7	15.3	9.95	5.50	2.24	0.75	
40	395	362	313	257	201	152	111	80.4	58.3	42.8	32.3	24.5	18.0	12.6	7.98	4.13	1.49	0.57	
45	268	249	220	185	149	116	88.1	66.2	49.8	37.9	29.3	22.6	16.9	12.0	7.78	4.21	1.64	0.45	
50	135	126	113	97.9	82.6	67.9	55.1	44.5	36.1	29.2	23.4	18.3	13.7	9.61	6.02	3.05	1.03	0.33	
55	92.7	87.9	80.4	71.1	61.6	52.3	43.8	36.4	30.2	24.9	20.2	16.0	12.2	8.65	5.54	2.96	1.11	0.27	
60	48.8	46.9	44.1	40.6	36.9	33.1	29.3	25.7	22.1	18.6	15.3	12.1	9.15	6.38	3.95	1.99	0.61	0.21	
65	35.5	34.4	32.7	30.6	28.2	25.6	22.9	20.3	17.6	15.0	12.4	9.90	7.56	5.35	3.41	1.84	0.66	0.18	
70	21.8	21.3	20.6	19.6	18.4	17.0	15.5	13.8	12.1	10.3	8.48	6.74	5.05	3.51	2.18	1.15	0.31	0.16	
75	14.6	14.3	13.9	13.3	12.5	11.6	10.6	9.47	8.31	7.09	5.89	4.70	3.58	2.55	1.64	0.89	0.32	0.15	
80	7.28	7.15	6.93	6.62	6.24	5.77	5.23	4.64	4.04	3.41	2.80	2.21	1.67	1.21	0.76	0.39	0.17	0.14	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:08 December 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	162176	162176	162176	162176	162176	162176	162176	162176	162176	162176
2.5	161227	161100	160985	160881	160791	160712	160646	160593	160539	160488
5.0	159428	159215	159032	158881	158760	158670	158611	158582	158561	158553
7.5	156822	156557	156362	156234	156170	156139	156155	156223	156307	156309
10.0	153246	152969	152809	152762	152824	152990	153167	153058	153038	153127
12.5	148383	148145	148115	148276	148559	148718	148567	148618	148836	149207
15.0	142073	141968	142156	142614	143090	142781	142790	143013	143512	143523
17.5	134789	134792	135212	136007	135768	135621	135900	136305	136126	136146
20.0	126080	126359	127164	127913	127294	127212	127507	127636	127993	128447
22.5	116168	116739	118027	118133	117643	117863	117982	118405	119281	118845
25.0	104777	105757	107607	106866	106360	106822	107756	108896	107986	107790
27.5	92782	94145	96232	94866	94581	95493	97039	96460	95904	96259
30.0	80484	82204	83695	82287	82588	84283	84576	83603	83602	84979
32.5	68370	70397	71230	69946	71016	73136	71546	70753	72571	74280
35.0	56633	58989	59156	58045	60027	60330	58970	60151	62211	62468
37.5	45624	48204	47806	47558	49870	48311	48062	50444	51087	50379
40.0	35862	38473	37530	38065	39348	37536	39283	40895	39912	39926
42.5	27635	30160	28888	29962	29716	29221	31751	31173	30518	32471
45.0	20735	23096	21532	23397	21936	22957	23979	22805	24558	25870
47.5	15635	17266	16374	17549	16310	18105	17470	17958	19561	18973
50.0	11985	12980	12546	12958	12785	13441	12984	14261	14215	13212
52.5	9005	9760	9693	9487	10132	9811	10321	10686	9888	10817
55.0	6909	7395	7563	7086	7778	7464	8125	7613	8076	8718
57.5	5426	5695	5961	5690	5819	6052	6003	6029	6573	6480
60.0	4329	4493	4623	4687	4518	4816	4581	5021	4976	4845
62.5	3551	3626	3654	3788	3789	3701	3881	3932	3861	4112
65.0	2940	3003	2961	3015	3127	3066	3176	3111	3295	3370
67.5	2429	2524	2521	2510	2459	2606	2525	2658	2684	2621
70.0	1999	2119	2128	2119	2077	2060	2146	2149	2113	2202
72.5	1619	1747	1647	1608	1676	1701	1707	1703	1775	1817
75.0	1288	1328	1324	1320	1298	1329	1330	1400	1403	1397
77.5	987.1	999.1	977.0	950.1	994.4	998.2	1041	1033	1049	1086
80.0	716.9	759.1	710.7	700.2	698.2	722.5	716.3	756.9	789.2	800.7
82.5	493.9	447.0	382.9	411.3	437.3	468.6	498.5	501.2	501.2	496.8
85.0	313.9	206.9	187.7	207.3	258.3	257.8	246.7	229.7	208.9	183.3
87.5	191.4	74.96	86.96	81.38	60.81	33.91	0	0	0	0
90.0	176.2	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	162176	162176	162176	162176	162176	162176	162176	162176	162176	162176
2.5	160448	160419	160403	160398	160381	160367	160365	160376	160400	160403
5.0	158569	158589	158596	158624	158625	158628	158632	158616	158625	158594
7.5	156307	156338	156401	156483	156555	156645	156698	156748	156799	156798
10.0	153257	153464	153728	153998	154258	154492	154692	154854	154973	155033
12.5	149669	149774	149501	149325	149223	149151	149105	149091	149120	149188
15.0	143422	143338	143275	143251	143278	143290	143285	143272	143266	143232
17.5	136380	136667	136710	136602	136669	136811	137021	137193	137353	137412
20.0	128477	128417	128624	128954	129439	130018	130555	131062	131440	131630
22.5	118789	119148	119937	120288	120351	120448	120546	120668	120808	121007
25.0	108290	108923	109302	109688	109886	110032	110129	110171	110177	110194
27.5	97126	98009	98618	98980	98883	98899	99058	99270	99469	99602
30.0	86239	87041	86763	86678	86970	87342	87838	88333	88761	89050
32.5	74648	74222	74240	74387	75388	76199	76706	77091	77353	77537
35.0	62025	61709	62933	64050	64820	65383	65700	65873	65944	65971
37.5	50317	52041	53193	54042	54101	54091	54142	54276	54466	54658
40.0	41736	43156	43284	42973	42653	42480	42461	42647	42987	43374
42.5	33975	33538	32841	32095	32964	34175	35021	35608	35959	36067
45.0	25347	24275	24704	26215	27281	28066	28544	28806	28930	28940
47.5	17606	18995	20272	21272	21635	21764	21782	21798	21859	21967
50.0	14321	15426	15948	15983	15713	15342	15006	14792	14788	15019
52.5	11605	11726	11483	10884	11129	11623	12026	12278	12403	12421
55.0	8649	8214	8391	8905	9295	9614	9849	9971	10018	10016
57.5	6148	6602	7011	7330	7457	7536	7586	7603	7622	7659
60.0	5194	5499	5616	5625	5542	5431	5319	5236	5226	5309
62.5	4285	4293	4195	4029	4167	4292	4395	4459	4495	4510
65.0	3327	3236	3361	3475	3570	3651	3712	3745	3764	3770
67.5	2686	2777	2863	2924	2960	2987	3006	3016	3028	3041
70.0	2276	2311	2328	2336	2332	2316	2298	2287	2293	2312
72.5	1824	1817	1794	1830	1863	1884	1899	1911	1922	1929
75.0	1409	1444	1473	1498	1520	1532	1540	1546	1552	1555
77.5	1115	1138	1150	1160	1168	1172	1174	1176	1179	1183
80.0	806.1	809.8	812.1	812.8	812.4	809.8	807.2	806.9	807.3	812.6
82.5	488.3	475.8	461.9	446.8	432.8	420.2	410.5	405.2	403.7	408.1
85.0	154.8	125.8	97.16	70.20	46.37	26.68	12.05	3.046	0	3.068

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:08 December 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	162176	162176	162176	162176	162176	162176	162176	162176	162176	162176
2.5	160419	160450	160495	160545	160589	160647	160721	160809	160911	161018
5.0	158593	158577	158575	158590	158602	158651	158707	158785	158903	159044
7.5	156792	156770	156702	156636	156546	156443	156335	156213	156154	156252
10.0	155035	154978	154873	154728	154543	154276	153976	153675	153355	153083
12.5	149308	149501	149795	150205	150729	151380	151429	150821	150218	149649
15.0	143227	143283	143405	143587	143879	144335	145013	145935	146567	145530
17.5	137438	137356	137230	136990	136687	136736	137141	137791	138775	140182
20.0	131671	131561	131285	130834	130255	129639	128977	128831	129536	130770
22.5	121306	121759	122406	123223	123723	122747	121568	120303	119350	120336
25.0	110261	110454	110760	111289	112187	113350	113825	112066	110420	108794
27.5	99676	99681	99514	99342	99612	100350	101492	103108	101125	98907
30.0	89230	89215	89003	88697	88145	87581	88113	89294	90882	89030
32.5	77708	77908	78006	78144	77495	76779	75815	75716	77220	79040
35.0	66003	66071	66164	66222	66362	66231	65293	64150	63883	65587
37.5	54820	54894	54806	54535	54751	54899	55035	54135	52759	52849
40.0	43795	44198	44459	44480	44191	43980	44346	44543	43406	42013
42.5	36006	35770	35306	34899	35108	35001	34486	34847	34881	33723
45.0	28909	28791	28539	28120	27373	27091	27058	26436	26751	26622
47.5	22118	22221	22132	21900	21613	21190	20502	20508	19828	20186
50.0	15447	15958	16395	16600	16509	16263	16018	15533	15356	14910
52.5	12335	12144	11845	11693	12223	12349	12074	12038	11752	11419
55.0	9665	9858	9677	9413	9091	9016	9238	9066	9065	8911
57.5	7697	7700	7629	7478	7347	7141	6854	6995	6861	6927
60.0	5464	5635	5768	5828	5801	5673	5563	5389	5403	5289
62.5	4500	4459	4388	4300	4449	4509	4438	4361	4282	4250
65.0	3762	3735	3692	3638	3573	3500	3553	3531	3464	3439
67.5	3046	3043	3026	2996	2959	2922	2881	2861	2838	2774
70.0	2336	2368	2396	2411	2407	2382	2352	2343	2324	2282
72.5	1925	1920	1912	1899	1881	1900	1898	1877	1859	1858
75.0	1552	1548	1544	1535	1522	1505	1486	1479	1465	1428
77.5	1185	1186	1186	1181	1171	1156	1145	1132	1118	1099
80.0	819.2	826.1	834.2	838.6	840.2	837.0	828.0	811.7	794.3	784.8
82.5	416.9	429.5	446.6	465.0	485.3	505.1	521.3	521.5	513.3	503.0
85.0	12.23	27.27	47.85	73.06	102.1	133.5	165.3	194.2	218.6	240.3
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	162176	162176	162176	162176	162176	162176	162176	162176	162176	162176
2.5	161127	161250	161384	161530	161685	161848	162017	161855	161700	161553
5.0	159201	159399	159635	159908	160214	160550	160912	160562	160238	159944
7.5	156400	156630	156934	157298	157739	158251	158826	158266	157769	157343
10.0	152845	153063	153400	153883	154504	155247	156097	155262	154534	153928
12.5	149114	148642	148763	149361	150153	151167	152378	151188	150196	149430
15.0	144569	143715	143051	143492	144481	145787	147377	145803	144513	143539
17.5	139376	138023	136859	136360	137541	139170	141226	139169	137541	136370
20.0	132537	131440	129707	128270	129098	131048	133571	131055	129107	128271
22.5	121968	124109	121623	119593	119485	121800	124879	121791	119465	119584
25.0	110183	112409	112625	109879	108356	111082	114767	111097	108386	109887
27.5	97687	99670	102543	99301	96604	99230	103282	99247	96614	99312
30.0	86426	86445	89168	88393	85058	86842	91246	86882	85141	88503
32.5	76071	73332	75724	77420	73646	74480	79085	74554	73789	77569
35.0	66162	62884	62791	66055	62565	62361	67057	62441	62710	66261
37.5	54838	53223	50597	53616	52110	50971	55647	51070	52306	53796
40.0	43131	44332	41020	42318	42424	40406	44840	40517	42650	42490
42.5	32742	34687	32964	32422	33874	31257	35329	31359	34077	32569
45.0	25393	25858	26309	24156	26492	23692	27411	23778	26716	24295
47.5	19792	18875	20400	18399	19866	18045	20648	18109	20004	18499
50.0	15221	14528	14962	14367	14671	13818	15576	13882	14786	14445
52.5	11381	11373	10917	11314	10921	10623	11820	10680	11009	11381
55.0	8503	8759	8260	8912	8116	8229	8990	8280	8189	8983
57.5	6755	6573	6578	6645	6180	6459	6937	6504	6238	6706
60.0	5380	5111	5260	5013	5022	5161	5407	5197	5067	5053
62.5	4188	4223	4085	4013	4151	4184	4310	4224	4193	4044
65.0	3375	3403	3287	3370	3441	3387	3485	3426	3478	3392
67.5	2788	2690	2804	2715	2694	2697	2846	2728	2724	2735
70.0	2229	2250	2205	2125	2103	2130	2302	2150	2124	2141
72.5	1819	1779	1756	1809	1765	1666	1845	1681	1780	1820
75.0	1445	1407	1389	1339	1337	1369	1444	1384	1352	1350
77.5	1063	1070	1028	1046	1022	1040	1091	1055	1037	1057

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:08 December 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	768.1	739.7	732.5	675.5	634.8	650.6	765.9	670.8	671.1	685.2
82.5	484.5	477.9	460.7	424.5	375.4	350.3	487.5	412.5	428.6	438.0
85.0	257.0	254.4	240.3	219.0	178.4	129.7	262.7	190.4	217.1	224.2
87.5	0	34.94	64.44	84.04	66.56	52.99	97.79	71.17	70.37	76.68
90.0	0	0	0	0	0	0	11.64	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	162176	162176	162176	162176	162176	162176	162176	162176	162176	162176
2.5	161415	161288	161173	161072	160971	160874	160791	160722	160668	160628
5.0	159682	159457	159271	159126	158998	158895	158833	158791	158756	158758
7.5	156996	156708	156495	156365	156283	156357	156496	156626	156755	156875
10.0	153459	153136	152936	153202	153505	153855	154179	154500	154791	155021
12.5	148856	148756	149236	149776	150366	151004	151659	151608	150900	150335
15.0	143115	143815	144719	145716	146756	146026	145023	144295	143790	143446
17.5	136906	138107	139481	140298	138784	137683	136909	136418	136330	136583
20.0	129691	131443	132567	130651	129275	128440	128481	129065	129647	130177
22.5	121647	124116	121777	119955	118796	119653	120808	121876	122822	122305
25.0	112587	112283	109900	108337	109687	111133	112804	112230	110939	109999
27.5	102601	99517	97305	98288	100296	101986	100235	99002	98127	97697
30.0	89126	86194	85972	88330	89950	88183	86806	86017	86445	86769
32.5	75738	73139	75584	78278	76273	74574	74470	75098	75599	75950
35.0	62816	62688	65662	64869	62922	63002	63825	64526	64423	64194
37.5	50578	52985	54389	52209	51854	52913	53552	53358	53002	52648
40.0	40995	44057	42732	41403	42552	43290	43087	42579	42634	42654
42.5	32944	34463	32395	33156	34034	33913	33349	33746	33641	33151
45.0	26291	25718	25099	26094	26099	25673	26078	25917	26096	26675
47.5	20414	18785	19524	19810	19363	19853	19637	20221	20624	20787
50.0	14992	14425	15009	14646	14978	14995	15372	15546	15744	15738
52.5	10930	11253	11226	11226	11447	11666	11631	11812	11650	11053
55.0	8280	8683	8384	8758	8871	8819	8912	8622	8669	8927
57.5	6599	6547	6672	6816	6736	6820	6620	6847	7026	7130
60.0	5284	5106	5322	5216	5312	5267	5399	5470	5568	5574
62.5	4105	4222	4164	4203	4215	4278	4329	4366	4288	4129
65.0	3304	3409	3365	3410	3417	3468	3473	3402	3451	3497
67.5	2817	2699	2784	2755	2800	2810	2817	2840	2859	2882
70.0	2216	2257	2224	2264	2290	2297	2296	2313	2323	2319
72.5	1762	1778	1807	1838	1826	1834	1846	1838	1810	1821
75.0	1392	1399	1428	1404	1429	1436	1436	1445	1452	1460
77.5	1030	1059	1047	1069	1080	1090	1094	1097	1103	1108
80.0	728.5	726.1	751.4	758.3	762.0	770.0	774.2	773.8	772.0	767.2
82.5	445.0	460.8	466.9	479.0	483.7	478.5	466.7	450.6	435.3	418.7
85.0	225.5	236.9	234.9	222.8	203.3	176.7	148.0	119.1	91.59	65.79
87.5	57.07	31.78	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	162176	162176	162176	162176	162176	162176	162176	162176	162176	162176
2.5	160579	160535	160505	160489	160485	160459	160447	160446	160457	160470
5.0	158749	158754	158770	158768	158794	158781	158791	158778	158766	158757
7.5	156958	157035	157053	157052	157043	156980	156918	156854	156746	156654
10.0	155209	155335	155386	155368	155292	155150	154974	154743	154463	154158
12.5	149914	149619	149407	149256	149164	149115	149125	149162	149218	149319
15.0	143225	143092	143037	143025	143035	143019	143027	143030	143006	142973
17.5	136782	136889	136962	136914	136825	136643	136474	136257	136101	136028
20.0	130567	130829	130917	130840	130616	130218	129713	129160	128550	128072
22.5	121383	120683	120209	119873	119652	119502	119395	119292	119181	119154
25.0	109401	109012	108802	108712	108687	108683	108677	108610	108494	108361
27.5	97808	97891	97863	97772	97640	97466	97323	97230	97287	97486
30.0	86954	87076	87073	86871	86593	86215	85826	85458	85198	85020
32.5	75790	75670	75526	75379	75223	75000	74695	74289	73551	72615
35.0	64036	63896	63856	63849	63852	63822	63748	63535	63057	62364
37.5	52766	52778	52718	52582	52421	52291	52283	52338	52437	52439
40.0	42502	42138	41744	41345	40991	40734	40700	40828	41104	41475
42.5	33495	33933	34212	34315	34242	33949	33470	32704	31563	30739
45.0	27038	27273	27407	27476	27493	27406	27227	26825	26104	25070
47.5	20925	20996	20913	20795	20709	20677	20725	20768	20686	20331
50.0	15450	15017	14543	14138	13925	13949	14213	14607	15004	15253
52.5	11130	11406	11606	11697	11691	11584	11382	11055	10613	10365
55.0	9125	9277	9387	9446	9456	9420	9328	9152	8873	8490
57.5	7224	7268	7267	7241	7213	7200	7201	7187	7132	7004
60.0	5487	5348	5182	5042	4970	4981	5069	5196	5317	5397
62.5	4195	4248	4278	4288	4279	4249	4197	4117	4011	3891
65.0	3536	3566	3584	3590	3589	3576	3551	3505	3439	3357
67.5	2903	2913	2910	2902	2895	2890	2884	2872	2854	2827
70.0	2301	2274	2242	2215	2202	2205	2215	2233	2251	2263

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:08 December 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

Photometric Data Table [cd]

72.5	1831	1837	1838	1837	1834	1832	1823	1810	1794	1773
75.0	1465	1468	1468	1468	1467	1468	1465	1460	1452	1440
77.5	1109	1107	1104	1101	1099	1101	1102	1102	1102	1101
80.0	759.0	749.1	740.7	734.9	731.0	733.5	737.4	742.0	747.7	754.1
82.5	402.0	387.1	375.9	368.9	365.5	368.1	374.1	383.0	394.7	408.6
85.0	43.08	24.58	11.03	2.773	0	2.767	10.98	24.32	42.29	64.19
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	162176	162176	162176	162176	162176	162176	162176	162176	162176	162176
2.5	160470	160482	160506	160541	160587	160636	160683	160743	160815	160900
5.0	158721	158705	158674	158645	158641	158649	158666	158714	158794	158905
7.5	156547	156461	156409	156395	156379	156280	156199	156172	156193	156249
10.0	153854	153558	153321	153165	153055	153061	153163	152977	152806	152744
12.5	149497	149770	149646	149145	148757	148533	148484	148643	148495	148223
15.0	142989	143055	143164	143315	143338	142832	142619	142635	142968	142521
17.5	136146	136128	135900	135709	135756	136048	135700	135457	135632	135909
20.0	127794	127642	127743	127771	127435	127227	127205	126922	127045	127721
22.5	118857	118073	117772	117954	118541	117729	117422	117465	117300	117867
25.0	108003	107607	107046	106610	106913	107994	107032	106227	105866	106478
27.5	97153	96589	95692	94814	94688	95404	96124	94714	93927	94359
30.0	85182	85526	84693	83551	82210	82419	83573	83410	81824	81678
32.5	72563	72584	73087	72838	71240	69528	70439	72161	70213	69313
35.0	61250	60044	60519	61078	60965	58919	57931	59443	59264	57398
37.5	51608	50520	48919	49121	49887	49328	47105	47457	49111	46974
40.0	41835	41800	40522	38765	38818	39929	38403	36792	38744	37561
42.5	31585	32417	32916	31480	29596	30365	31001	28663	29238	29535
45.0	23666	23363	24512	25081	23801	22176	23442	22515	21561	23065
47.5	19419	18240	17033	18351	18939	17479	17069	17749	15984	17292
50.0	15273	14820	13865	12719	13780	13883	12690	13182	12541	12753
52.5	10999	11287	11236	10430	9584	10419	10115	9652	9951	9330
55.0	8044	7928	8369	8436	7850	7468	7999	7358	7660	7007
57.5	6735	6382	5969	6316	6417	5946	5938	5991	5763	5646
60.0	5411	5324	5056	4751	4895	4966	4557	4786	4496	4663
62.5	4059	4175	4180	4039	3819	3901	3867	3690	3781	3781
65.0	3261	3163	3258	3316	3260	3094	3167	3061	3125	3014
67.5	2779	2712	2634	2587	2658	2643	2518	2603	2460	2507
70.0	2262	2255	2230	2170	2093	2133	2137	2057	2075	2111
72.5	1745	1771	1783	1785	1752	1685	1696	1695	1673	1599
75.0	1422	1400	1372	1365	1377	1380	1317	1320	1295	1314
77.5	1098	1091	1074	1052	1021	1011	1026	987.5	989.1	945.2
80.0	758.8	761.8	763.1	763.7	756.5	732.8	699.4	709.7	689.8	704.5
82.5	422.7	435.2	445.8	457.2	466.4	474.1	476.7	453.4	431.9	431.6
85.0	88.92	115.0	141.4	166.9	189.5	208.5	222.0	238.6	247.9	221.6
87.5	0	0	0	0	0	0	0	30.24	55.70	70.93
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	162176	162176								
2.5	160997	161106								
5.0	159048	159223								
7.5	156371	156562								
10.0	152795	152961								
12.5	148077	148125								
15.0	142093	141937								
17.5	135144	134756								
20.0	127030	126290								
22.5	117847	116646								
25.0	107347	105621								
27.5	95891	93972								
30.0	83286	81996								
32.5	70806	70184								
35.0	58721	58767								
37.5	47409	48002								
40.0	37149	38279								
42.5	28570	29990								
45.0	21334	22987								
47.5	16214	17186								
50.0	12406	12910								
52.5	9592	9711								
55.0	7500	7357								
57.5	5919	5680								
60.0	4604	4481								
62.5	3640	3610								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:08 December 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

Photometric Data Table [cd]

65.0	2943	2990
67.5	2506	2506
70.0	2112	2101
72.5	1631	1730
75.0	1310	1310
77.5	962.6	978.9
80.0	709.1	739.1
82.5	428.1	468.0
85.0	223.8	254.8
87.5	83.97	77.43
90.0	0	0

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:08 December 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: