

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	5302.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	40.2V x 39.3H
	At 50% of Imax	21.6V x 20.5H
	At 90% of Imax	5.8V x 11.1H

Beam Flux	Total	996.6 lumens per klm.
	To 10% of Imax	733.8 lumens per klm.
	To 50% of Imax	364.1 lumens per klm.
	To 90% of Imax	51.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

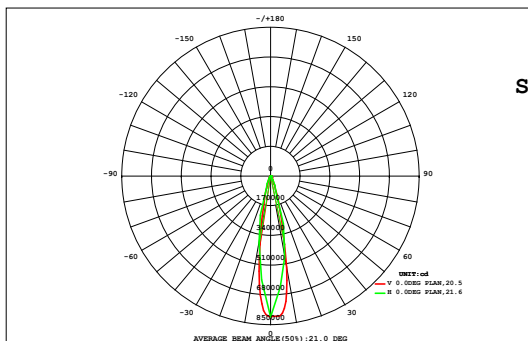
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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:221.11V I:4.6156A P:1015.8W PF:0.9954 Freq:49.96Hz Lamp Flux:151769x1 lm		
NAME: SP-1000W-5700K-5050-Ra70-20°	TYPE:	
MFR.: EVERFINE	DIM.:	
	SUR.:	



DATA OF LAMP		Eff:149.41lm/W	
SP-1000W-5700K-5050-Ra70-20°		Imax(cd)	804694
NOMINAL POWER(W)	1000	AVAILABILITY(%)	74.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	113473
NOMINAL FLUX(lm)	151769	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	151769
TEST VOLTAGE(V)	220	θ @50% (H,V)	20,22DEG

VERTICAL(°)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	33.8	42.1	51.5	61.7	72.3	82.5	91.8	98.8	103	102	97.3	89.2	79.1	67.9	56.6	46.3	37.5	29.4	1242	0.00
27	33.8	42.1	51.5	61.7	72.3	82.5	91.8	98.8	103	102	97.3	89.2	79.1	67.9	56.6	46.3	37.5	29.4	1242	0.00
24	38.9	49.9	62.2	77.2	95.3	116	137	155	167	170	162	147	128	108	87.6	71.2	57.3	45.5	1875	0.00
21	52.5	66.8	83.2	103	129	156	181	201	210	207	191	168	142	116	93.5	75.1	59.6	46.4	2282	125
18	67.3	84.9	106	132	164	197	227	248	254	243	219	187	155	122	97.8	77.7	60.8	46.3	2688	1003
15	80.1	98.2	112	158	232	332	465	618	739	769	693	551	407	288	198	139	99.5	72.8	6013	5125
12	91.1	109.2	142	210	316	463	656	862	1003	1008	876	675	484	334	224	154	109	78.9	7765	6930
9	99.1	142	208	321	477	698	969	1210	1305	1196	947	681	461	303	198	135	94.1	68.9	9513	8746
	88.4	127	187	296	468	742	1142	1487	1643	1624	1476	1175	785	487	301	191	125	86.8	12431	11720
	74.3	106	159	258	445	771	1307	1765	1988	2078	2053	1720	1144	691	414	254	160	107	15495	14866
	119	180	297	498	875	1512	2137	2387	2376	2353	2059	1408	809	462	282	167	110	76.6	18108	17479
	115	173	285	477	835	1440	2051	2322	2340	2323	2044	1419	831	479	292	172	113	78.3	17790	17142
	64.9	89.0	119	181	275	419	774	1212	1488	1541	1502	1315	936	591	359	225	144	97.5	11332	10608
	77.8	109	151	236	345	492	754	1070	1253	1206	1031	834	597	392	244	160	108	77.1	9137	8319
-12	94.6	135	194	310	448	619	787	957	1025	861	525	296	210	162	112	85.4	67.3	53.2	6941	5991
-15	51.8	67.9	89.4	117	170	237	330	458	581	642	608	495	376	269	186	128	91.8	67.0	4965	3943
-18	43.7	53.7	64.9	69.9	87.7	104	127	183	266	340	364	319	261	199	147	105	78.2	58.0	2870	1477
-21	53.8	66.3	79.9	93.6	100	98.6	82.0	54.8	33.9	26.2	23.5	24.1	29.9	35.0	42.8	44.4	39.3	32.2	961	0.00
-24	38.8	47.9	57.5	67.3	72.8	73.4	73.4	84.1	92.5	95.3	91.9	83.2	71.3	60.0	50.8	46.7	40.0	32.7	1180	0.00
-27	-27	-24	-21	-18	-15	-12	-9	-6	HORIZONTAL(°)	6	9	12	15	18	21	24	27			
Φ t	1245	1721	2450	3667	5606	8553	12289	15374	16867	16785	14963	11587	7906	5163	3384	2276	1595	1154	13258	---
Φ a	0.00	99.5	807	2525	4609	7611	11503	14677	16248	16148	14200	10782	7172	4485	2044	561	0.00	0.00	---	113473

one-half-peak spread: U:12.1,D:9.7 , L:8.7,R:8.9

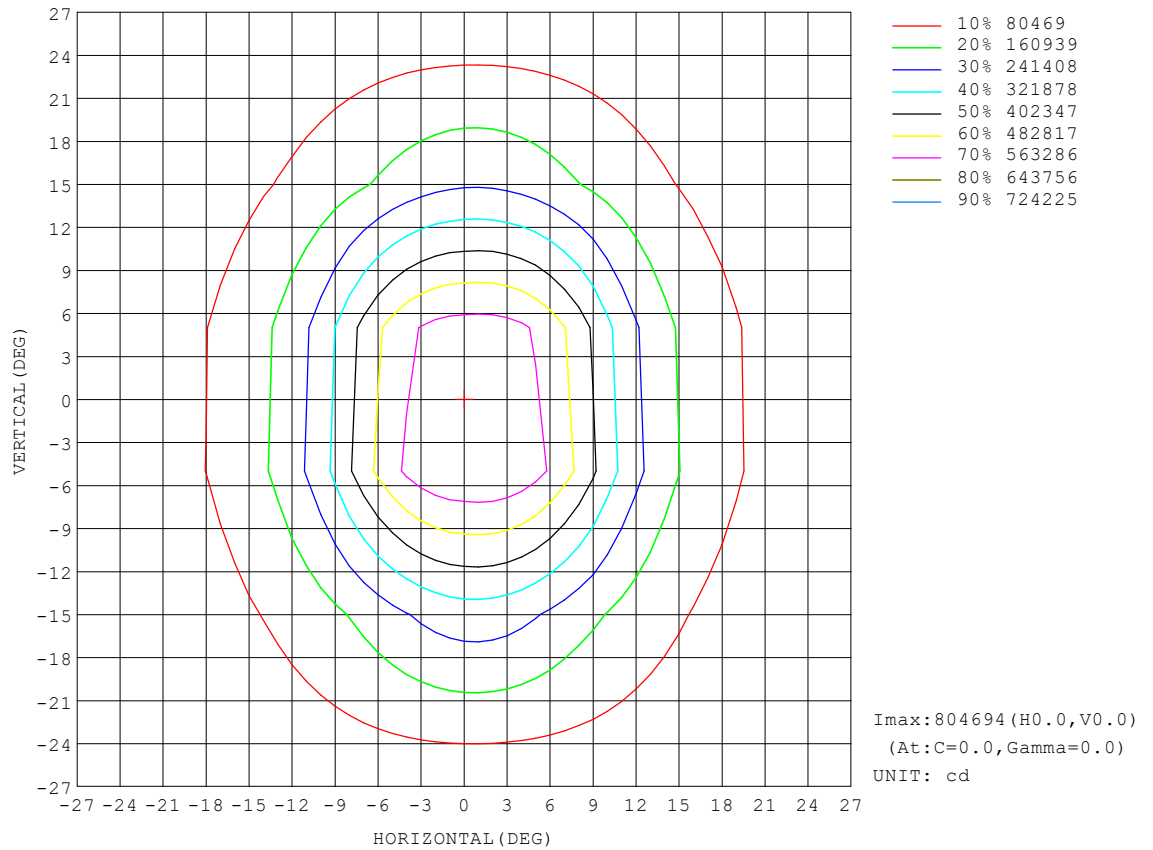
NEMA Beam Type: Type 3

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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:221.11V I:4.6156A P:1015.8W PF:0.9954 Freq:49.96Hz Lamp Flux:151769x1 lm		
NAME: SP-1000W-5700K-5050-Ra70-20°	TYPE:	
MFR.: EVERFINE	DIM.:	
	SUR.:	

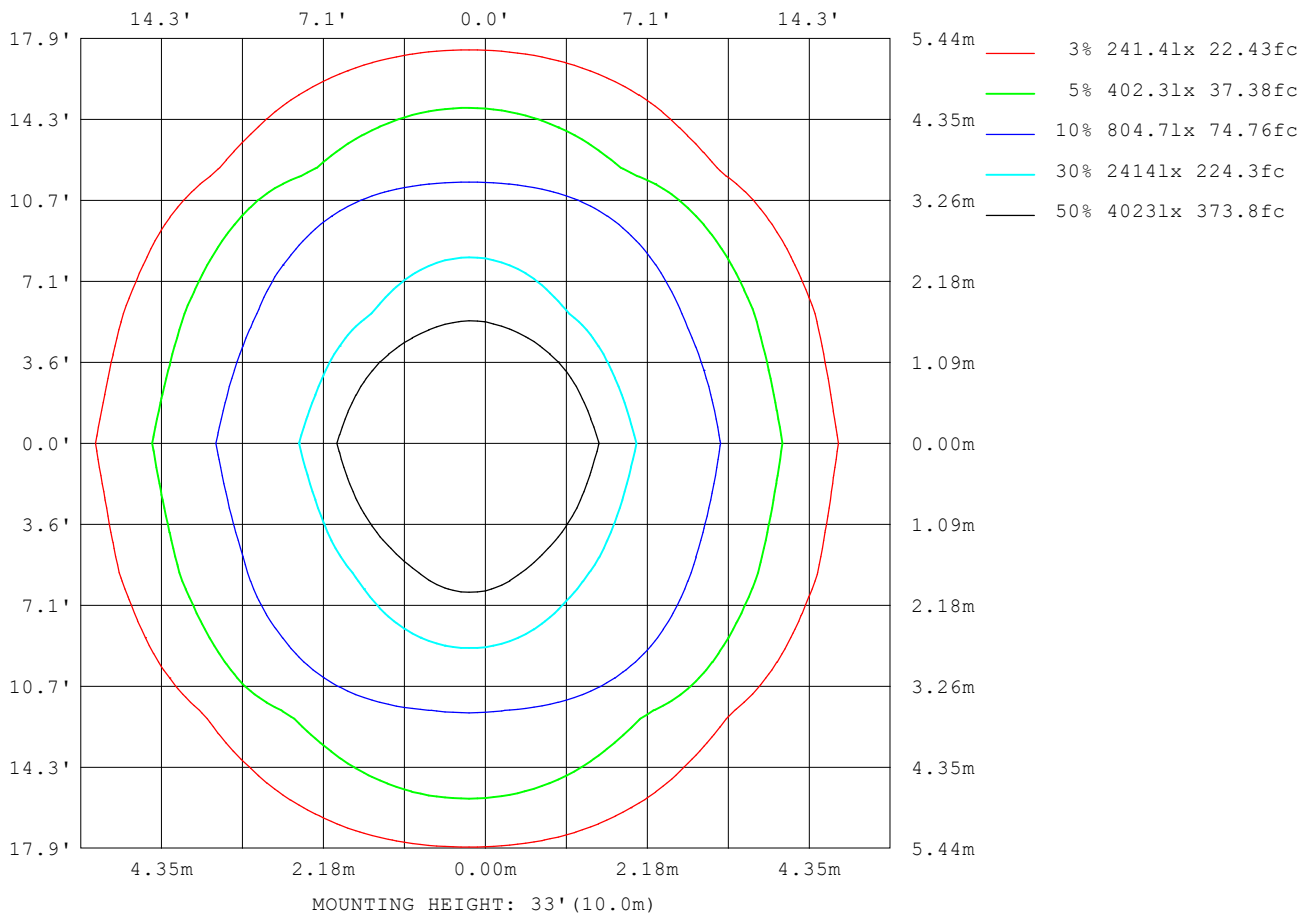


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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

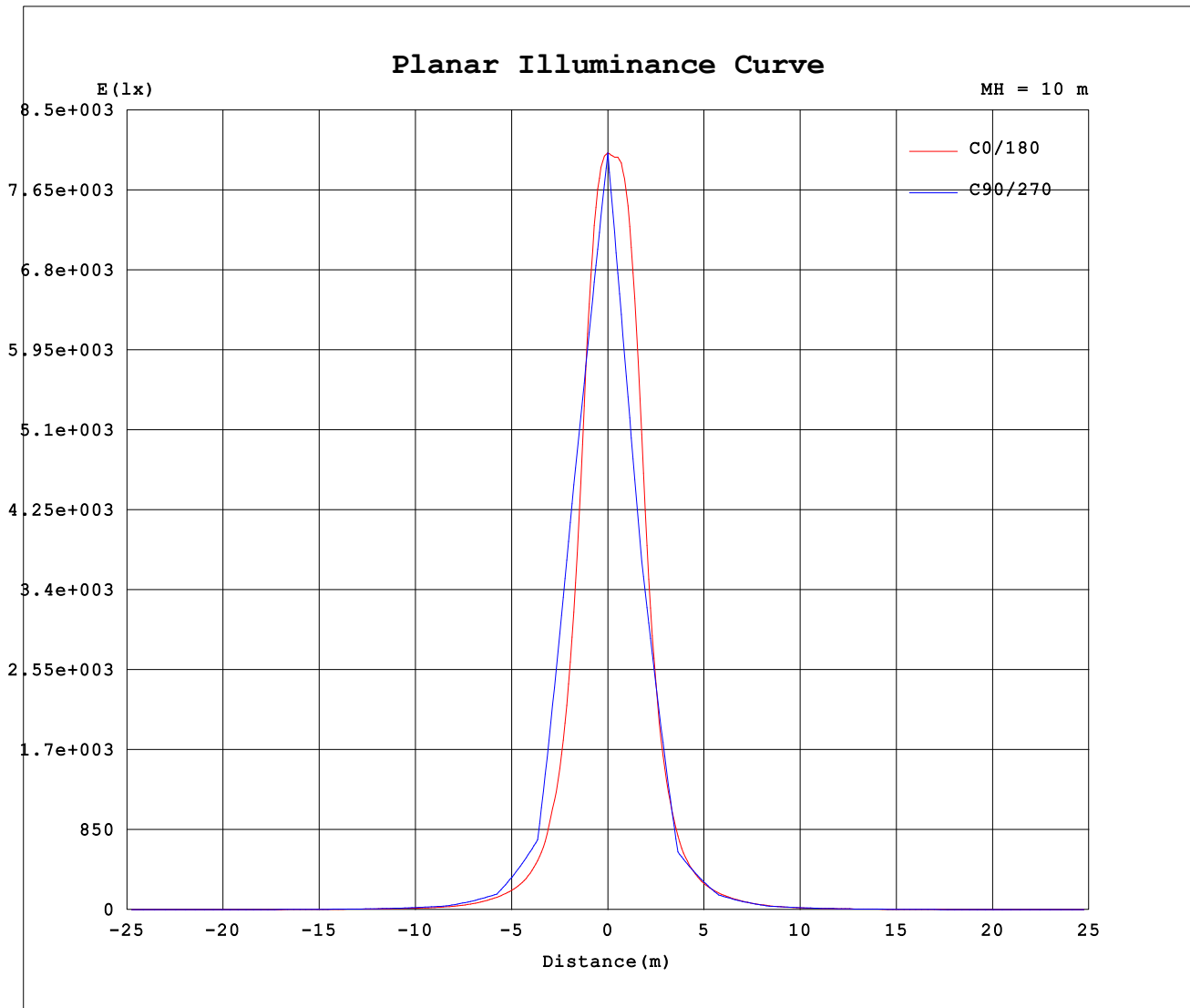
Test:U:221.11V I:4.6156A P:1015.8W PF:0.9954 Freq:49.96Hz Lamp Flux:151769x1 lm		
NAME: SP-1000W-5700K-5050-Ra70-20°	TYPE:	
MFR.: EVERFINE	DIM.:	
	SUR.:	



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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

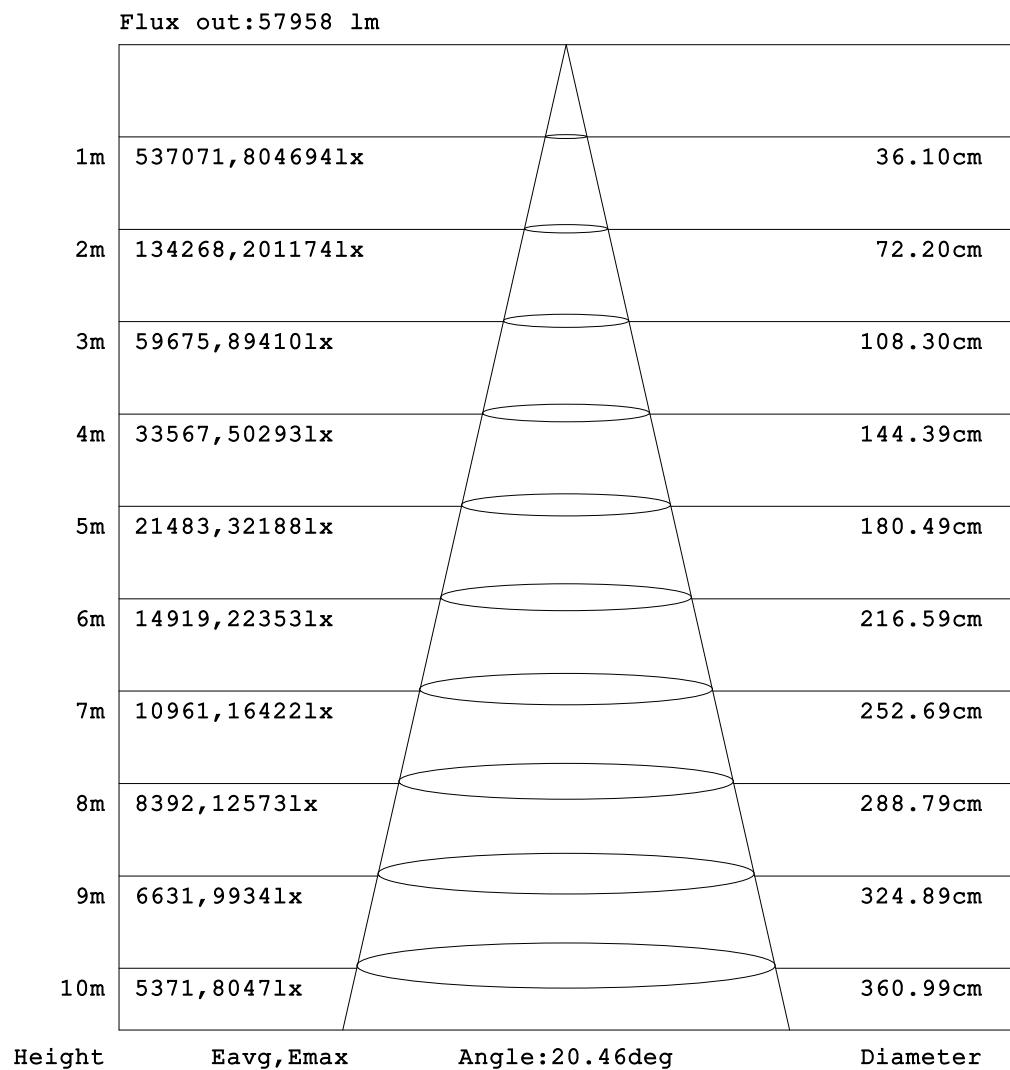


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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:221.11V I:4.6156A P:1015.8W PF:0.9954 Freq:49.96Hz Lamp Flux:151769lx 1m		
NAME: SP-1000W-5700K-5050-Ra70-20°	TYPE:	
MFR.: EVERFINE	DIM.:	
	SUR.:	



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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	804694	804694	804694	804694	804694	804694	804694	804694	804694	804694
2.5	779816	773678	767960	762675	757837	753455	749542	746108	742395	738651
5.0	683103	675840	670269	666189	663404	661727	660993	661063	660182	658898
7.5	507249	507236	511116	518123	527510	537366	547758	558453	566990	564038
10.0	331080	338396	350162	366009	385553	408406	431390	424821	418729	413929
12.5	213573	222104	234240	249948	270924	284737	280245	277214	274439	271031
15.0	139232	147021	157967	172283	185200	180685	176481	172640	167502	177141
17.5	93585	99952	108442	119163	118042	113244	108805	107655	119830	132898
20.0	63159	67953	74922	81378	77225	72615	70163	78366	88908	101003
22.5	45728	49331	54091	54787	51555	48321	52735	59124	67488	68985
25.0	34051	36881	40760	39159	36633	37237	41123	46142	45617	43956
27.5	26296	28590	31196	29158	27372	29601	32943	32813	31221	28864
30.0	20510	22534	23914	22046	21951	24055	24821	23527	22244	24097
32.5	15711	17682	18211	16565	17574	19596	18224	16811	18440	20101
35.0	11952	13610	13661	12408	14001	14316	12961	13723	15323	15573
37.5	9085	10589	10189	9796	11166	10305	9817	11263	11832	11184
40.0	6956	8162	7574	7724	8412	7330	8083	8945	8424	8129
42.5	5665	6455	5874	6288	6317	5931	6827	6638	6168	6979
45.0	4969	5420	4996	5399	5103	5252	5553	5106	5467	6071
47.5	4368	4783	4466	4699	4409	4752	4613	4586	4890	4895
50.0	3683	4096	3846	3928	3866	3995	3882	4115	4009	3945
52.5	3138	3409	3316	3193	3406	3258	3429	3482	3242	3526
55.0	2785	2927	2934	2698	2929	2784	3027	2835	2937	3162
57.5	2488	2575	2633	2463	2472	2542	2519	2509	2667	2655
60.0	2196	2246	2251	2241	2109	2239	2150	2290	2247	2254
62.5	1925	1931	1879	1921	1901	1837	1955	1931	1921	2028
65.0	1703	1701	1576	1557	1637	1601	1677	1632	1726	1758
67.5	1476	1507	1416	1345	1294	1432	1370	1459	1458	1440
70.0	1295	1339	1246	1194	1153	1136	1224	1215	1185	1259
72.5	1134	1170	963.3	907.6	963.1	988.1	1001	994.5	1047	1084
75.0	982.2	928.9	815.0	801.7	772.2	803.4	809.0	867.5	862.3	864.3
77.5	832.9	730.2	621.1	591.3	632.0	635.9	677.7	666.6	679.3	711.2
80.0	685.3	582.5	498.1	488.7	481.2	504.3	495.4	528.8	557.1	569.4
82.5	554.1	355.7	292.7	322.3	342.4	366.8	391.0	394.6	398.9	403.1
85.0	425.3	177.7	175.4	196.2	245.5	241.6	240.4	209.8	182.1	154.0
87.5	295.0	74.48	101.6	95.85	69.39	35.24	0	0	0	0
90.0	273.5	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	804694	804694	804694	804694	804694	804694	804694	804694	804694	804694
2.5	735340	732490	730128	728282	726115	724162	722786	722007	721845	721460
5.0	658139	656704	653929	651896	648680	645602	643018	640410	638996	637767
7.5	557324	551783	548500	547256	547016	548910	550556	552992	555995	557494
10.0	409596	407851	410087	415415	424230	435797	448948	462113	472993	479469
12.5	267495	273529	291030	311008	330812	348296	362271	372470	378288	379913
15.0	193428	210716	228169	245545	262337	275478	283297	285727	283583	277303
17.5	147239	163186	174531	179070	183745	186597	188236	187783	186749	184073
20.0	107978	109263	108956	106214	102596	97754	92795	89821	89916	93065
22.5	67892	64177	57342	57479	62096	66495	70089	72705	74020	74209
25.0	39895	40615	44367	47986	51662	54893	57182	58208	58124	57233
27.5	31185	33931	37010	39379	40531	41356	41838	41979	41922	41626
30.0	26136	27958	28366	28367	28002	27303	26426	25771	25721	26295
32.5	20681	20453	19887	18659	19554	20335	20932	21346	21553	21571
35.0	14922	13946	14915	15729	16403	16923	17282	17419	17385	17249
37.5	10621	11536	12467	13056	13148	13142	13168	13181	13180	13186
40.0	8994	9692	9957	9732	9432	9145	8974	8926	8975	9156
42.5	7663	7508	7161	6570	6684	7081	7450	7709	7815	7829
45.0	5999	5502	5346	5635	5954	6252	6509	6642	6654	6620
47.5	4644	4652	4798	5029	5187	5305	5412	5472	5480	5482
50.0	4129	4165	4209	4242	4272	4290	4292	4298	4305	4352
52.5	3684	3571	3508	3465	3547	3658	3751	3820	3839	3842
55.0	3093	2951	2985	3093	3184	3264	3332	3375	3374	3356
57.5	2561	2613	2697	2775	2805	2828	2861	2896	2906	2898
60.0	2312	2354	2369	2380	2376	2369	2382	2415	2438	2442
62.5	2047	2012	2001	1997	2027	2056	2100	2149	2165	2152
65.0	1723	1693	1740	1779	1797	1816	1855	1891	1892	1869
67.5	1477	1505	1544	1560	1555	1555	1583	1612	1620	1605
70.0	1299	1300	1309	1311	1296	1286	1306	1332	1349	1342
72.5	1076	1064	1065	1090	1092	1099	1127	1154	1163	1154
75.0	869.0	886.3	912.4	928.3	931.4	937.6	962.1	978.8	977.6	969.2
77.5	728.4	741.8	755.7	759.5	761.4	765.2	781.9	794.8	793.5	791.1
80.0	570.1	572.7	578.9	581.9	586.3	590.4	600.5	610.6	609.5	613.4
82.5	394.8	373.0	353.8	337.0	323.8	313.0	308.2	307.3	304.8	308.9
85.0	125.5	98.70	74.46	52.98	34.68	19.87	9.041	2.310	0	2.322

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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	804694	804694	804694	804694	804694	804694	804694	804694	804694	804694
2.5	721713	722607	724140	726162	728492	731515	735220	739583	744575	750143
5.0	637822	637286	637410	638344	639171	642243	646056	651463	659466	669109
7.5	558358	558088	554615	550636	544495	537251	529285	520744	517380	526903
10.0	481797	480223	474810	466026	454450	440215	425064	409081	391486	374504
12.5	378219	374174	368224	361086	353539	346295	331313	309919	288726	268295
15.0	269330	261233	253826	246638	240641	235070	230177	226539	219605	199027
17.5	180276	174510	166924	157893	148776	146161	147022	147478	147316	147292
20.0	97929	102395	104346	103945	101380	96852	91523	91050	93945	96337
22.5	73431	71817	69681	67436	66327	67068	65382	61105	56981	60754
25.0	55773	54198	52632	51162	49805	48640	47492	45582	42756	40177
27.5	40981	40033	38582	37077	36485	36281	35947	35573	33828	31629
30.0	27235	28069	28408	28260	27471	26327	26402	26871	27446	25855
32.5	21457	21268	20996	20737	21107	20756	19919	19844	20770	21434
35.0	17067	16865	16711	16569	16452	16262	15832	15205	15182	16125
37.5	13160	13028	12826	12640	12720	12634	12418	12152	11561	11600
40.0	9406	9598	9718	9780	9620	9474	9647	9681	9186	8532
42.5	7739	7541	7294	7208	7436	7439	7337	7486	7333	6920
45.0	6505	6338	6162	6003	5843	5888	6018	5792	5811	5785
47.5	5426	5312	5152	5000	4935	4921	5035	5013	4693	4866
50.0	4399	4414	4373	4280	4175	4182	4326	4449	4194	4071
52.5	3813	3769	3705	3642	3610	3607	3624	3732	3731	3517
55.0	3316	3275	3232	3180	3119	3090	3131	3086	3112	3100
57.5	2866	2831	2797	2747	2710	2684	2697	2718	2601	2666
60.0	2429	2420	2430	2418	2368	2318	2354	2397	2341	2243
62.5	2122	2098	2104	2112	2093	2055	2038	2048	2064	2002
65.0	1838	1820	1826	1833	1821	1801	1794	1765	1725	1751
67.5	1580	1561	1562	1562	1547	1537	1547	1555	1490	1448
70.0	1327	1309	1314	1327	1321	1299	1293	1307	1300	1247
72.5	1136	1112	1107	1111	1112	1099	1092	1075	1054	1064
75.0	951.8	933.9	930.1	931.5	925.3	910.2	905.8	905.4	873.9	837.6
77.5	782.8	767.8	761.8	758.2	745.4	729.2	729.1	728.3	718.2	698.6
80.0	615.5	604.9	598.5	593.5	588.2	576.7	571.8	560.3	539.8	536.0
82.5	316.4	321.9	332.9	347.6	368.2	387.5	415.4	423.1	406.5	389.9
85.0	9.283	20.44	35.68	54.63	77.50	102.5	132.0	164.3	193.6	225.6
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	804694	804694	804694	804694	804694	804694	804694	804694	804694	804694
2.5	756303	763039	770272	777907	785845	793977	802190	792281	782460	772845
5.0	679788	692919	708273	725574	744505	764718	785839	762029	739114	717457
7.5	539378	556438	577507	601305	628951	660171	694656	657343	623241	592607
10.0	358265	375648	398815	425028	454923	489201	528586	486667	449773	417098
12.5	249973	234546	243833	264801	288046	314225	344791	312316	284079	258482
15.0	179503	164101	150823	163002	180001	198262	219890	196721	176864	158164
17.5	133321	118754	106085	100572	113729	128185	144733	127493	112268	98159
20.0	97478	85548	75519	67894	74112	83812	94861	83370	73187	66271
22.5	63196	64783	56877	50938	50935	57716	65423	57401	50266	49678
25.0	43368	45794	44262	39061	36620	41605	47227	41421	36222	38139
27.5	30290	32704	34860	31011	27860	31149	35304	31036	27607	30413
30.0	23692	23942	25998	25079	22256	23935	27458	23855	22070	24689
32.5	19520	17515	19423	20363	17820	18448	21446	18364	17636	20085
35.0	16159	14170	14269	16086	14001	13993	16724	13978	13897	15792
37.5	12393	11496	10314	11838	11098	10497	12671	10445	11042	11814
40.0	9092	9412	8075	8778	8731	7852	9653	7826	8628	8666
42.5	6654	7244	6614	6544	6929	6129	7380	6131	6874	6512
45.0	5530	5633	5679	5275	5782	5198	5917	5210	5785	5303
47.5	4933	4607	5023	4642	4996	4611	5148	4625	5019	4678
50.0	4358	4076	4219	4091	4231	3941	4514	3950	4250	4115
52.5	3559	3584	3392	3561	3457	3368	3782	3368	3463	3563
55.0	2931	3073	2879	3118	2897	2966	3201	2965	2898	3116
57.5	2654	2576	2621	2639	2520	2664	2838	2668	2523	2641
60.0	2381	2250	2361	2216	2279	2392	2515	2393	2276	2215
62.5	1982	2062	1942	1913	2042	2116	2191	2117	2037	1910
65.0	1705	1732	1629	1709	1785	1787	1859	1793	1782	1708
67.5	1508	1395	1483	1421	1430	1470	1585	1467	1424	1419
70.0	1216	1252	1183	1128	1133	1176	1319	1172	1127	1120
72.5	1037	1007	987.0	1029	1020	937.6	1094	936.2	1015	1022
75.0	866.4	832.3	827.6	781.1	799.4	832.2	897.4	831.3	796.8	775.2
77.5	664.1	672.9	643.0	671.4	654.2	678.1	720.3	678.0	652.7	664.8

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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	534.8	506.0	502.3	455.8	425.7	443.2	553.4	455.9	449.7	460.1
82.5	367.7	370.3	370.3	330.3	296.5	269.1	398.2	318.6	334.9	341.4
85.0	253.8	240.1	217.2	214.1	169.1	112.9	259.6	172.5	207.1	222.3
87.5	0	37.37	73.66	102.9	70.73	55.08	136.9	78.55	79.18	97.06
90.0	0	0	0	0	0	0	9.031	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	804694	804694	804694	804694	804694	804694	804694	804694	804694	804694
2.5	763552	754688	746354	738639	731586	725192	719508	714574	710424	707080
5.0	697396	679243	663272	649713	637153	626211	617864	611209	605493	602143
7.5	565671	541227	520532	504151	490420	488407	491165	493591	495540	496797
10.0	387874	361403	340168	350150	360138	370102	378156	385138	391051	395170
12.5	234882	221911	231723	243543	256426	268832	280031	287806	292939	298024
15.0	143828	153083	163518	176250	189067	193176	195356	198457	202020	205976
17.5	100907	110071	120895	129554	128828	128269	127341	126026	127573	133859
20.0	72339	80023	87521	86661	84312	81282	81582	85000	87863	88942
22.5	54738	61368	59499	56862	53180	55750	58726	59805	58471	58494
25.0	42630	43821	41422	38357	40349	42193	43135	43849	44618	45431
27.5	33784	31608	29240	30297	32083	33192	33110	33187	33278	33758
30.0	25428	23343	23000	24854	26190	25467	24811	24561	25469	26157
32.5	19085	17117	18937	20680	19916	18998	18942	19529	19844	19631
35.0	13986	13810	15592	15535	14574	14614	15069	15290	15538	15700
37.5	10153	11217	12021	11201	11053	11646	11881	11985	12021	11952
40.0	7921	9106	8855	8300	8775	9217	9322	9155	9163	9250
42.5	6544	7083	6558	6763	7052	7210	7140	7274	7144	6841
45.0	5691	5625	5548	5745	5702	5711	5979	5844	5684	5756
47.5	5074	4632	5005	4897	4686	5032	5149	4963	4878	4864
50.0	4253	4085	4419	4117	4196	4502	4414	4251	4173	4202
52.5	3403	3574	3566	3531	3713	3743	3667	3654	3610	3599
55.0	2887	3072	2940	3104	3112	3091	3158	3111	3110	3146
57.5	2635	2589	2676	2684	2615	2737	2723	2696	2700	2718
60.0	2372	2260	2402	2259	2360	2420	2365	2321	2350	2387
62.5	1943	2068	1989	2012	2079	2055	2038	2044	2062	2072
65.0	1630	1734	1705	1753	1720	1760	1781	1778	1783	1790
67.5	1481	1393	1503	1442	1475	1538	1525	1510	1510	1517
70.0	1177	1244	1206	1231	1276	1281	1265	1264	1280	1278
72.5	979.4	996.8	1024	1045	1028	1044	1056	1057	1064	1060
75.0	818.8	820.1	849.4	816.7	845.5	868.3	864.2	864.6	875.5	877.1
77.5	632.5	658.5	643.1	673.1	686.6	688.9	684.3	680.6	693.2	700.5
80.0	490.3	488.9	509.0	505.6	505.2	517.8	523.7	525.0	531.4	532.0
82.5	356.1	350.8	342.1	354.6	365.8	374.0	366.3	343.0	325.0	306.6
85.0	206.7	217.6	223.5	197.6	170.1	143.7	116.3	90.75	68.39	48.19
87.5	65.85	33.11	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	804694	804694	804694	804694	804694	804694	804694	804694	804694	804694
2.5	704231	702035	700626	700014	700201	700432	701444	703217	705726	708630
5.0	599050	597064	596105	595107	595707	597233	600282	603899	608428	613397
7.5	496757	496951	495191	493325	491768	489674	489187	490493	492000	495844
10.0	397518	398003	396520	393201	387830	379160	371116	364268	359342	357220
12.5	303000	307167	309981	311225	310075	305219	297961	287564	274448	259562
15.0	210745	215934	221596	227469	232320	234186	232511	227072	217799	205319
17.5	139893	144893	148618	151147	153187	154288	154995	154750	153520	150768
20.0	88007	85295	80852	76592	74055	74360	77553	82498	87506	91469
22.5	59631	60703	61491	61886	61692	60815	59259	57129	54472	51525
25.0	46225	47043	47894	48735	49330	49389	48833	47577	45707	43367
27.5	34864	35731	36230	36546	36710	36742	36752	36619	36377	35897
30.0	26250	25926	25259	24532	24090	24099	24575	25249	25918	26381
32.5	19782	19976	20120	20200	20190	20036	19728	19248	18600	17769
35.0	15775	15849	15999	16157	16291	16340	16267	16011	15605	14987
37.5	12122	12228	12315	12350	12364	12376	12407	12451	12526	12479
40.0	9149	8972	8773	8574	8436	8397	8478	8704	9043	9369
42.5	6862	7068	7262	7385	7414	7319	7092	6789	6469	6430
45.0	5862	6006	6168	6309	6392	6381	6254	6034	5787	5545
47.5	4963	5101	5230	5325	5363	5346	5277	5171	5070	4957
50.0	4256	4308	4341	4351	4335	4308	4279	4243	4219	4202
52.5	3639	3711	3785	3848	3869	3838	3758	3646	3531	3454
55.0	3181	3230	3298	3366	3403	3396	3338	3255	3174	3089
57.5	2759	2807	2870	2921	2934	2910	2864	2822	2799	2778
60.0	2400	2420	2457	2480	2465	2423	2380	2364	2381	2389
62.5	2072	2091	2134	2170	2173	2140	2087	2044	2033	2010
65.0	1786	1791	1826	1864	1881	1867	1830	1792	1784	1775
67.5	1515	1518	1548	1576	1582	1570	1543	1519	1524	1540
70.0	1263	1256	1277	1290	1284	1274	1252	1237	1250	1274

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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	1052	1054	1078	1096	1097	1090	1068	1044	1038	1040
75.0	872.0	872.4	888.6	904.2	910.2	909.6	897.6	879.2	875.1	876.0
77.5	700.9	702.0	712.1	719.1	721.6	722.3	714.4	704.2	703.8	706.1
80.0	534.6	534.3	537.3	534.2	533.0	535.0	530.3	527.0	527.3	527.5
82.5	294.5	282.5	275.5	268.7	266.5	269.1	271.5	277.9	288.5	301.1
85.0	31.56	17.94	8.085	2.020	0	2.022	7.968	17.65	30.91	47.31
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	804694	804694	804694	804694	804694	804694	804694	804694	804694	804694
2.5	711418	714854	718902	723523	728682	733906	738937	744514	750616	757221
5.0	617505	622577	626782	630581	634963	639005	642143	646069	650917	656850
7.5	501106	508401	517861	528284	535088	531142	524869	518688	512853	507338
10.0	358497	362942	369761	378444	387990	398248	407893	389137	370562	355024
12.5	244504	229369	228386	238394	246946	253976	260625	268043	257808	240573
15.0	191638	177882	164210	151479	145475	154886	162001	168818	175253	165053
17.5	147639	138559	126377	115262	105089	95820	99735	106244	112300	114515
20.0	93952	94716	94061	88907	79526	71752	65789	69490	74691	79284
22.5	51830	57536	60876	62190	61540	55440	50426	46733	50298	53811
25.0	40703	37719	37324	41039	43012	44022	39681	36220	35909	38607
27.5	34193	31733	29586	27643	29979	31679	31953	28961	26942	28837
30.0	26469	26270	24851	23145	21565	22875	24229	23607	21670	21830
32.5	18797	19388	19790	19391	17924	16362	17781	19219	17328	16378
35.0	14178	13420	14436	15102	14899	13317	12785	14133	13821	12304
37.5	11920	11172	10366	10857	11502	10981	9643	10139	11019	9719
40.0	9578	9450	8811	7914	8217	8818	7958	7251	8338	7673
42.5	7025	7449	7599	6880	6098	6606	6783	5932	6319	6287
45.0	5360	5623	6056	6044	5457	5225	5609	5308	5177	5452
47.5	4809	4791	4773	4905	4893	4691	4664	4810	4452	4748
50.0	4211	4260	4220	3965	4040	4193	3916	4051	3895	3955
52.5	3514	3635	3756	3553	3266	3530	3465	3301	3437	3218
55.0	2988	2977	3142	3195	2971	2871	3066	2839	2973	2724
57.5	2703	2629	2606	2697	2704	2547	2563	2595	2522	2488
60.0	2376	2365	2341	2297	2285	2324	2192	2284	2158	2268
62.5	2007	2018	2061	2056	1949	1952	1987	1872	1939	1938
65.0	1736	1689	1723	1768	1741	1643	1696	1628	1665	1564
67.5	1526	1490	1465	1429	1458	1461	1372	1451	1301	1348
70.0	1278	1275	1278	1241	1171	1206	1221	1148	1161	1201
72.5	1021	1028	1049	1061	1028	976.6	993.3	993.3	970.5	908.7
75.0	864.0	843.7	836.0	835.3	837.8	845.9	797.3	802.6	778.4	804.1
77.5	703.0	694.4	688.9	675.9	650.0	642.3	660.6	629.4	635.1	593.0
80.0	523.4	521.8	526.6	527.0	518.6	498.1	473.3	488.4	476.3	494.5
82.5	312.4	329.3	349.6	352.6	355.7	358.3	362.3	343.7	335.8	336.7
85.0	65.74	87.20	110.9	132.7	157.2	181.8	204.6	214.0	226.0	205.2
87.5	0	0	0	0	0	0	0	30.16	60.56	79.60
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	804694	804694								
2.5	764304	771845								
5.0	664056	672738								
7.5	504028	503723								
10.0	342966	334837								
12.5	228194	219144								
15.0	153386	144804								
17.5	105628	98630								
20.0	73624	67366								
22.5	53419	49009								
25.0	40331	36682								
27.5	30952	28472								
30.0	23763	22463								
32.5	18082	17615								
35.0	13579	13563								
37.5	10133	10558								
40.0	7545	8140								
42.5	5893	6453								
45.0	5053	5441								
47.5	4489	4806								
50.0	3862	4102								
52.5	3336	3420								
55.0	2952	2930								
57.5	2642	2575								
60.0	2256	2241								
62.5	1872	1903								

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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	1548	1657
67.5	1388	1455
70.0	1222	1277
72.5	938.6	1097
75.0	797.6	842.8
77.5	614.2	645.6
80.0	501.8	524.8
82.5	332.8	355.5
85.0	212.5	233.1
87.5	98.37	86.69
90.0	0	0

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:11 April 2023

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:

50% Beam Angle : 20°-H X 22°-V

one-half-peak spread: U:12.1,D:9.7 , L:8.7,R:8.9

TOTAL FLUX : 151769 lm

LOR : 100.0%

AVAILABILITY FLUX : 113473 lm

AVAILABILITY : 74.8%

