

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

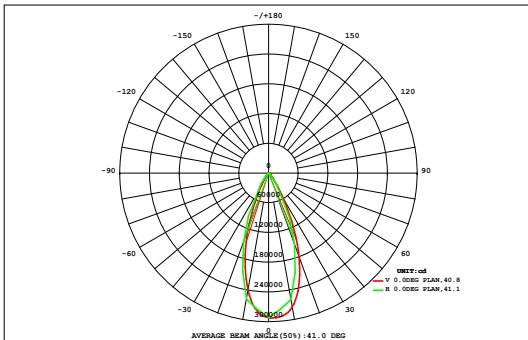
Maximum Intensity (Luminaire orientation as tested.)		1868.8 cd per klm. 0.0 degrees vertical -2.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	68.9V x 65.3H 41.1V x 40.8H 18.7V x 19.2H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	969.3 lumens per klm. 840.1 lumens per klm. 536.9 lumens per klm. 124.9 lumens per klm.
	Upward LOR Downward LOR	0.0 % 96.9 %
Luminaire Efficiency (Light Output Ratio)		97.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
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:277.66V I:3.6245A P:1006.4W PF:0.9955 Freq:49.96Hz		
Lamp Flux:156456x1 lm		
NAME: ASD-SPFL5-1000D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:150.80lm/W	
MOD:ASD-SPFL5-1000D50-L40	Imax (cd)	292386	
NOMINAL POWER (W)	1000	AVAILABILITY (%)	84.9
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	132793
NOMINAL FLUX (lm)	156456	LOR (%)	97.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	151762
TEST VOLTAGE (V)	277	θ @50% (H, V)	41,41DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
	15.4	19.6	24.8	31.1	39.1	48.5	58.2	66.7	72.6	74.5	71.9	65.6	56.7	46.9	37.8	30.2	24.2	19.2	803	0.00		
40	22.5	28.7	36.9	47.8	61.2	75.6	88.5	97.6	101	97.2	87.8	74.7	60.3	47.1	36.5	28.5	22.4	17.4	1032	0.00		
35	20.1	27.5	39.0	56.5	81.7	118	166	218	258	271	254	213	162	116	81.0	55.9	38.5	27.1	2203	860		
30	31.4	46.8	71.6	108	160	231	311	374	396	370	306	225	155	105	70.1	46.1	31.1	22.3	3061	2088		
25	25.6	39.3	64.1	113	206	358	554	754	895	944	889	738	532	338	194	109	64.5	39.3	6856	6202		
20	48.0	82.8	149	286	514	809	1104	1299	1356	1267	1044	740	456	246	126	72.2	43.1	27.1	9669	9102		
15	29.6	50.0	90.8	189	395	724	1096	1441	1688	1790	1733	1514	1171	773	422	204	102	55.6	13468	12982		
10	64.6	123	272	576	1040	1521	1902	2145	2210	2091	1801	1391	916	478	217	99.7	54.7	31.7	16932	16480		
5	31.0	53.1	97.7	224	509	958	1434	1834	2086	2192	2166	1947	1566	1097	612	286	128	66.0	17287	16850		
0	72.3	151	348	736	1268	1751	2126	2300	2308	2230	1959	1504	1001	521	219	91.4	52.1	30.3	18667	18262		
-5	27.4	41.4	66.0	157	403	833	1293	1707	1972	2061	2029	1834	1475	1038	586	278	124	64.4	15990	15571		
-10	61.4	116	257	537	952	1360	1690	1896	1948	1830	1546	1151	715	329	134	63.7	42.1	26.6	14653	14211		
-15	22.9	33.7	43.6	81.9	192	442	766	1082	1311	1415	1382	1218	954	653	367	183	91.7	51.0	10290	9826		
-20	44.4	74.3	132	248	429	654	873	998	1011	908	702	436	210	92.0	46.2	34.4	27.4	20.4	6941	6410		
-25	19.0	25.2	33.1	43.9	74.0	137	252	399	520	587	588	524	403	270	163	92.8	56.2	35.4	4221	3566		
-30	28.3	40.6	58.8	81.2	107	139	165	174	160	131	92.5	60.2	39.2	29.9	26.5	24.5	20.5	17.1	1396	383		
-35	16.3	20.0	25.1	32.5	41.7	54.9	77.9	109	141	162	165	149	120	88.4	63.5	46.0	33.1	24.0	1371	0.00		
-40	19.8	24.6	30.0	36.3	42.6	45.6	42.2	35.3	30.0	26.5	23.6	21.7	20.6	20.1	19.5	18.2	16.4	13.9	487	0.00		
-45	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45					
Φ t	600	997	1840	3586	6516	10260	14000	16929	18462	18446	16840	13806	10012	6287	3421	1764	971	589	145326	---		
Φ a	0.00	57.5	868	2713	5747	9651	13406	16421	18026	17979	16388	13228	9351	5707	2461	774	15.0	0.00	---	132793		

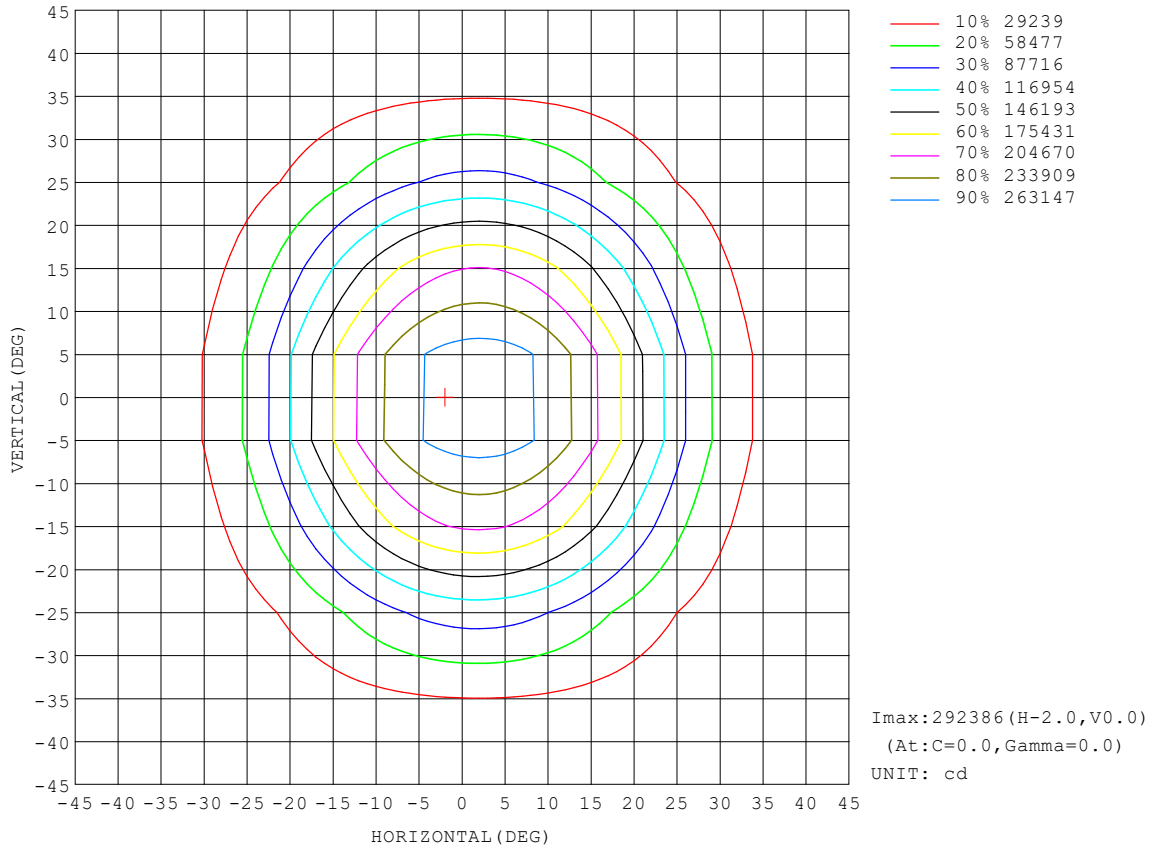
one-half-peak spread: U:21.0,D:20.4 , L:20.8,R:20.2 NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
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:277.66V I:3.6245A P:1006.4W PF:0.9955 Freq:49.96Hz		
Lamp Flux:156456x1 lm		
NAME: ASD-SPFL5-1000D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP		

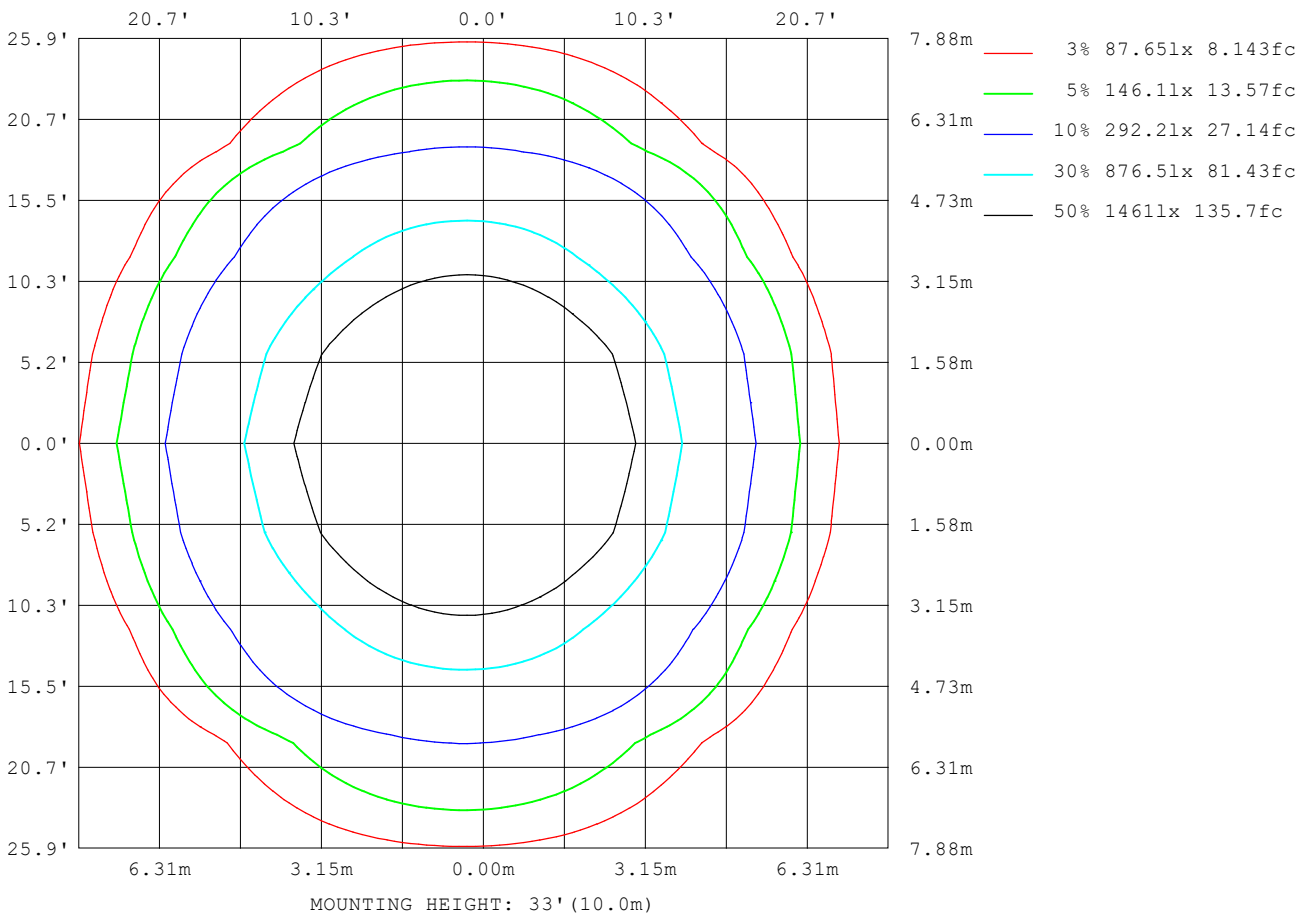


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 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:08 December 2022

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 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**

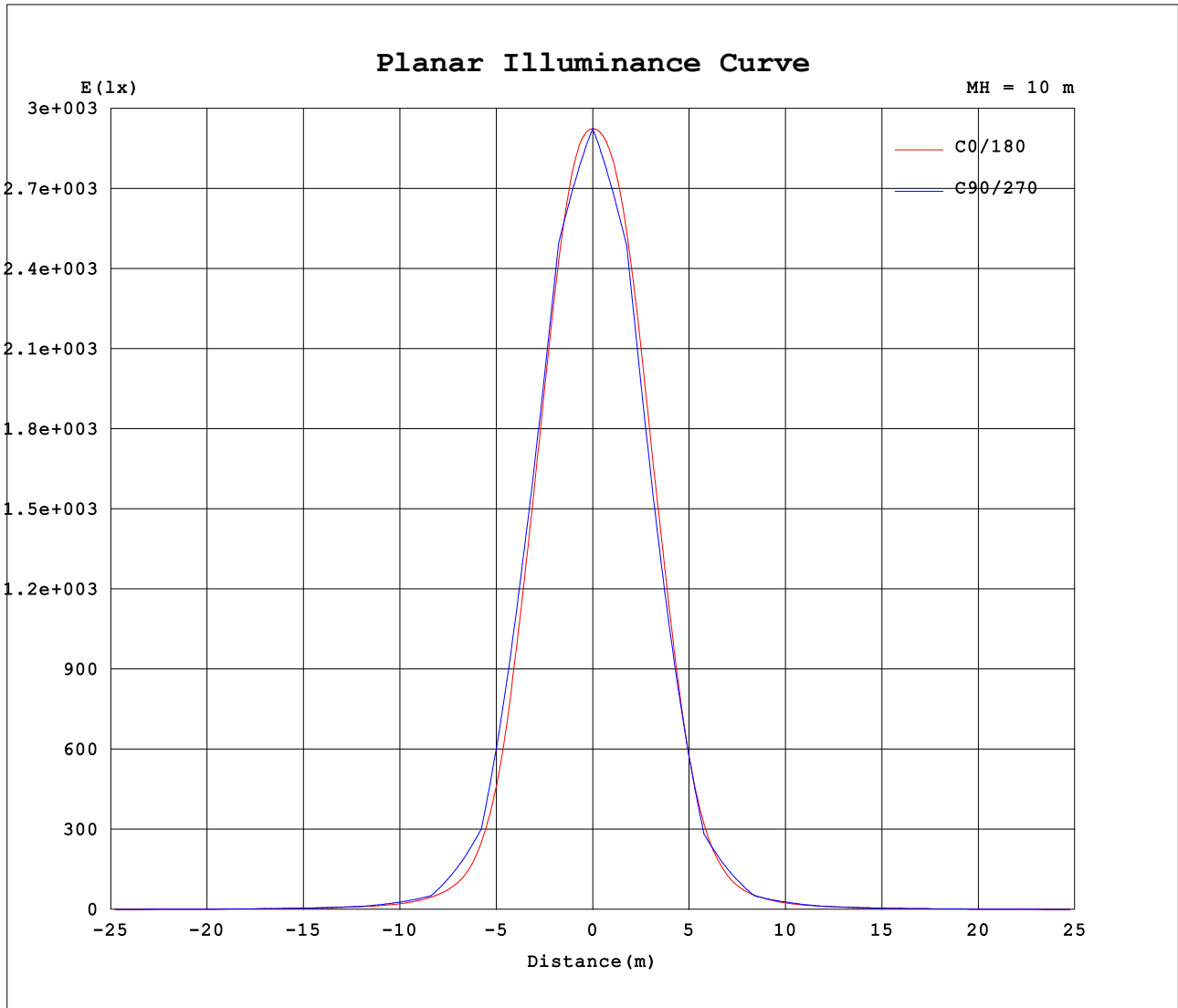
<b>Test:U:277.66V I:3.6245A P:1006.4W PF:0.9955 Freq:49.96Hz</b> <b>Lamp Flux:156456x1 lm</b>		
<b>NAME: ASD-SPFL5-1000D50-L40</b>	<b>TYPE:</b>	
<b>MFR.: ASD LIGHTING CORP</b>		



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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
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**

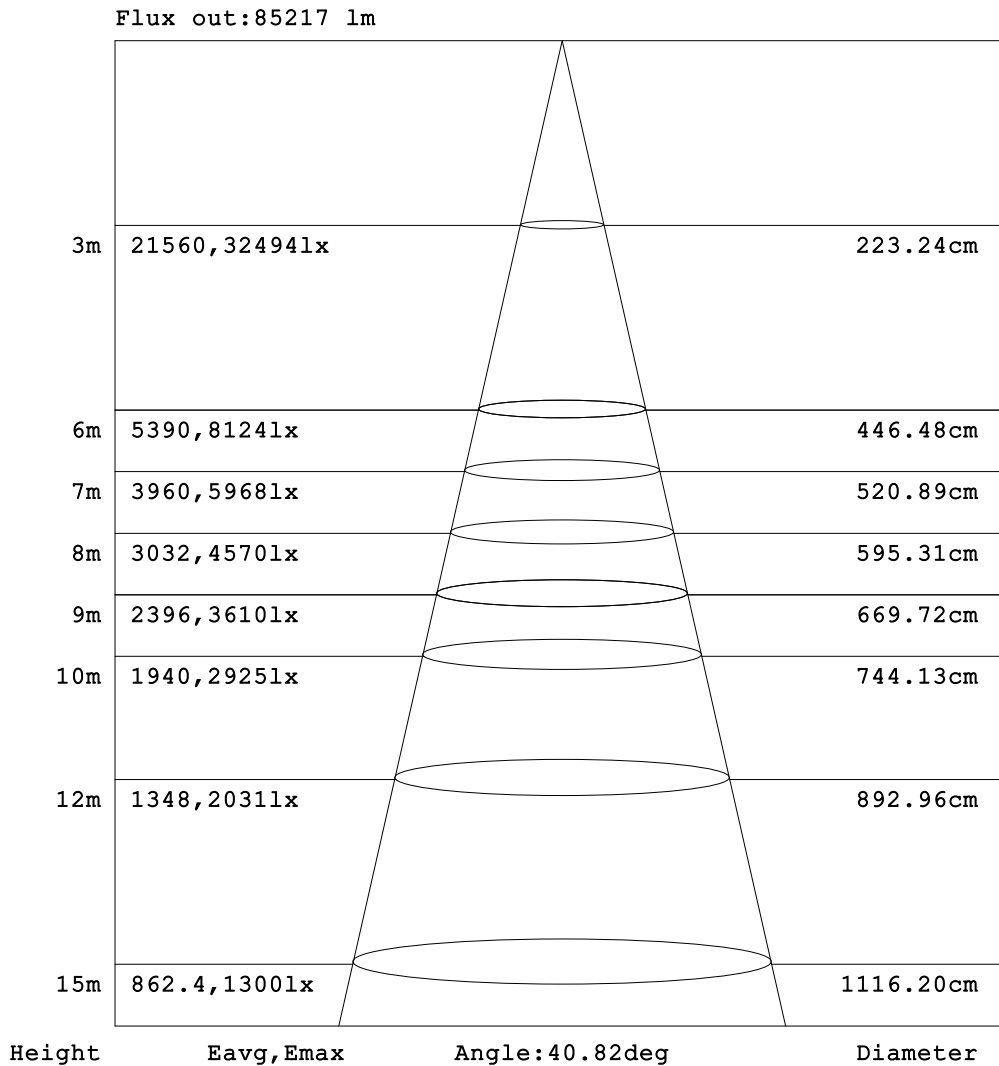


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 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:08 December 2022

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:277.66V I:3.6245A P:1006.4W PF:0.9955 Freq:49.96Hz		
Lamp Flux:156456x1 lm		
NAME: ASD-SPFL5-1000D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP		



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:S  
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	292450	292450	292450	292450	292450	292450	292450	292450	292450	292450
2.5	290840	290196	289581	289000	288457	287955	287497	287088	286680	286288
5.0	285058	283834	282733	281761	280925	280230	279678	279273	278869	278513
7.5	272706	271239	270119	269334	268873	268504	268326	268376	268405	268034
10.0	254232	252787	251942	251659	251899	252623	253367	252669	252394	252657
12.5	229569	228468	228326	229083	230560	231440	230674	230723	231480	232954
15.0	202096	201599	202315	204118	205920	204540	204300	204966	206651	207487
17.5	172200	172320	174043	177270	176505	175791	176471	177797	177992	178723
20.0	141091	141993	144719	147266	145070	144565	145769	147509	149361	151076
22.5	110367	111897	115472	115556	113568	113710	116001	118554	121664	119985
25.0	79952	82155	86590	84833	83126	84893	89043	93002	95076	88381
27.5	56471	58754	62344	59992	58780	61839	66170	65748	63215	61205
30.0	38848	40937	42875	40819	41325	44571	45786	43790	42111	46231
32.5	26148	28016	28884	27554	28867	31673	30180	27691	31267	34598
35.0	18350	19622	19779	19000	20673	21217	19632	20554	23218	24323
37.5	13548	14471	14267	14080	15226	14636	14129	15665	16617	16059
40.0	10305	11071	10684	10796	11258	10519	11083	11914	11598	11069
42.5	7942	8555	8159	8469	8397	8167	8899	8763	8420	9058
45.0	6252	6768	6350	6762	6411	6631	6890	6505	6968	7390
47.5	5105	5424	5198	5444	5139	5529	5372	5447	5832	5734
50.0	4324	4525	4414	4468	4417	4547	4422	4685	4694	4431
52.5	3750	3883	3850	3784	3879	3814	3893	3964	3803	3949
55.0	3287	3384	3402	3278	3393	3315	3431	3341	3401	3511
57.5	2889	2960	3005	2912	2921	2956	2931	2943	3034	3020
60.0	2525	2573	2585	2586	2516	2576	2519	2622	2603	2601
62.5	2186	2214	2195	2225	2209	2157	2228	2230	2229	2292
65.0	1879	1903	1850	1852	1887	1854	1898	1883	1949	1962
67.5	1602	1640	1605	1571	1527	1603	1564	1633	1637	1614
70.0	1355	1407	1371	1335	1302	1289	1342	1344	1331	1373
72.5	1133	1184	1070	1025	1057	1074	1079	1081	1123	1141
75.0	932.0	922.0	859.6	841.9	824.4	843.9	849.2	892.1	891.8	886.7
77.5	747.0	706.0	630.5	605.2	634.7	638.8	667.9	662.8	672.3	694.6
80.0	582.0	534.5	456.2	448.9	449.3	466.4	463.9	489.8	509.7	516.8
82.5	440.4	309.2	245.6	266.3	284.6	306.2	325.8	328.8	329.9	327.2
85.0	326.6	131.9	121.3	136.0	169.8	170.9	165.4	154.1	139.8	121.5
87.5	243.9	45.80	55.20	52.04	40.37	22.72	0	0	0	0
90.0	230.8	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	292450	292450	292450	292450	292450	292450	292450	292450	292450	292450
2.5	285945	285652	285412	285227	285023	284845	284722	284656	284649	284598
5.0	278290	278083	277805	277642	277424	277252	277118	276925	276848	276642
7.5	267707	267590	267677	267963	268226	268608	268768	268928	269090	268990
10.0	253078	253842	254780	255742	257122	258626	259903	260742	261332	261480
12.5	234945	235873	235488	235016	234677	234826	235001	235008	235098	235222
15.0	208119	208632	208978	209156	209108	209266	209283	209065	208863	208458
17.5	180201	181800	182195	181638	181411	181476	181973	182165	182507	182514
20.0	151147	150610	150726	151045	151750	152866	154016	155128	156150	156765
22.5	118549	118034	118739	121650	124288	126247	127545	128316	128824	129100
25.0	86759	90301	94577	98012	100040	101189	101652	101632	101498	101266
27.5	65884	70388	73826	75805	75656	75082	74544	74117	74053	74190
30.0	50118	52933	52945	51971	50502	48749	47425	46619	46607	47281
32.5	36005	35193	33322	30122	32715	34887	36453	37418	37828	37692
35.0	23373	20658	22215	24336	26216	27681	28598	29003	29048	28794
37.5	14753	16197	17725	19196	19947	20309	20375	20303	20248	20231
40.0	11967	12968	13544	13755	13504	12916	12186	11616	11448	11729
42.5	9664	9736	9503	8828	8871	9224	9496	9668	9746	9718
45.0	7289	6892	6863	7264	7584	7809	7960	8031	8043	8000
47.5	5327	5608	5928	6192	6316	6353	6359	6347	6339	6335
50.0	4657	4888	5026	5050	4994	4880	4758	4664	4634	4679
52.5	4113	4147	4104	3965	3979	4049	4107	4141	4154	4145
55.0	3510	3447	3442	3508	3567	3617	3654	3671	3673	3662
57.5	2980	3033	3077	3125	3149	3168	3183	3190	3192	3189
60.0	2650	2691	2696	2703	2708	2711	2709	2708	2712	2719
62.5	2315	2307	2295	2293	2327	2355	2374	2384	2389	2389
65.0	1947	1941	1977	2010	2035	2053	2063	2067	2067	2065
67.5	1648	1684	1711	1727	1734	1741	1744	1745	1745	1746
70.0	1408	1421	1424	1426	1425	1425	1424	1423	1423	1427
72.5	1143	1141	1135	1155	1171	1184	1194	1198	1199	1200
75.0	895.7	918.5	936.6	950.4	961.4	969.2	974.4	976.3	975.0	975.2
77.5	713.1	728.7	736.8	742.1	746.4	749.1	751.1	752.2	751.2	752.6
80.0	521.2	525.1	527.4	528.3	528.8	527.9	527.4	528.1	527.4	530.0
82.5	322.6	313.9	303.8	293.3	283.7	275.0	268.7	265.3	263.7	266.3
85.0	102.3	83.01	63.91	46.08	30.40	17.46	7.885	1.994	0	2.002

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

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	292450	292450	292450	292450	292450	292450	292450	292450	292450	292450
2.5	284608	284680	284815	284988	285165	285408	285718	286092	286527	286999
5.0	276560	276444	276397	276437	276475	276691	276954	277334	277915	278627
7.5	268845	268621	268174	267742	267195	266629	266092	265525	265300	265849
10.0	261242	260657	259787	258703	257465	255919	254281	252696	251037	249672
12.5	235479	235952	236750	237922	239445	241325	240663	237557	234555	231734
15.0	208150	208065	208244	208540	209175	210378	212319	214949	216315	211661
17.5	182427	181936	181285	180088	178719	178685	179761	181524	184274	188237
20.0	156964	156740	155989	154598	152794	150646	148167	147647	150035	153523
22.5	129200	129268	129186	128737	127749	124991	121701	118521	116339	119547
25.0	101098	101057	100925	100724	100281	98971	96416	93448	90544	87493
27.5	74530	74829	74734	74179	73734	73078	72227	70855	67935	64831
30.0	48581	50038	51450	52347	52092	51070	51007	50506	49446	47059
32.5	37098	36007	34427	32499	32499	34465	34407	34407	34416	33440
35.0	28300	27550	26510	25160	23561	22289	23599	23516	23099	23307
37.5	20183	19953	19401	18523	17715	16768	15802	16324	16151	15848
40.0	12352	13039	13488	13497	13057	12504	12168	11742	11782	11385
42.5	9612	9429	9173	9175	9571	9509	9177	9141	8957	8807
45.0	7925	7810	7652	7461	7180	7152	7220	7057	7070	6946
47.5	6335	6310	6239	6122	5990	5809	5625	5714	5574	5601
50.0	4784	4904	4998	5019	4958	4855	4770	4667	4677	4576
52.5	4120	4078	4027	4020	4122	4120	4037	4020	3996	3929
55.0	3638	3607	3569	3528	3493	3504	3515	3456	3461	3467
57.5	3180	3162	3133	3095	3076	3064	3057	3046	2986	3024
60.0	2729	2736	2732	2716	2693	2667	2667	2670	2641	2587
62.5	2386	2378	2366	2351	2344	2330	2305	2297	2303	2267
65.0	2062	2054	2046	2035	2021	2009	1999	1971	1949	1960
67.5	1746	1743	1736	1726	1714	1709	1702	1689	1661	1632
70.0	1433	1438	1440	1439	1434	1425	1411	1409	1408	1378
72.5	1198	1193	1185	1175	1164	1167	1160	1146	1140	1144
75.0	973.5	969.0	963.4	956.2	948.3	939.0	926.6	919.0	909.5	889.4
77.5	752.8	751.0	748.3	743.4	736.7	727.4	719.2	710.9	703.4	693.3
80.0	532.8	534.8	537.2	537.9	537.1	533.7	526.6	516.0	506.5	502.2
82.5	271.7	279.2	289.7	301.6	314.6	327.8	339.3	339.3	335.1	328.2
85.0	7.972	17.73	31.05	47.40	66.21	86.69	107.6	127.1	145.6	161.1
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	292450	292450	292450	292450	292450	292450	292450	292450	292450	292450
2.5	287496	288051	288659	289312	290004	290728	291475	290698	289946	289225
5.0	279429	280432	281621	282978	284484	286113	287843	286036	284330	282752
7.5	266659	267940	269624	271581	273942	276658	279676	276519	273667	271177
10.0	248483	249684	251460	253998	257247	261146	265625	260944	256842	253389
12.5	229157	227012	227790	230793	234716	239664	245551	239424	234241	230092
15.0	207472	203848	201007	203127	207603	213445	220603	213189	207081	202318
17.5	184500	178958	174329	172429	177219	183624	191643	183301	176591	171528
20.0	157924	153400	147416	142603	145827	152908	161997	152491	144992	141354
22.5	123489	127576	119567	113253	113095	120420	129881	120046	112343	112058
25.0	90837	94352	92806	85954	82698	89464	98327	89262	82213	84882
27.5	63042	66138	69301	63016	58270	63423	70737	63226	57871	62463
30.0	44161	44563	47168	45200	40933	43541	49393	43466	40698	44617
32.5	31482	29072	31245	31794	28320	29478	33808	29449	28244	31607
35.0	22278	20553	20669	22056	19873	20025	23137	20069	19904	21991
37.5	15950	15143	14171	15247	14545	14272	16191	14291	14610	15363
40.0	11598	11686	10801	11274	11239	10601	11963	10635	11291	11322
42.5	8560	8973	8532	8405	8737	8128	9196	8149	8794	8460
45.0	6751	6858	6889	6445	6959	6335	7147	6351	7000	6479
47.5	5513	5345	5617	5236	5533	5181	5714	5197	5563	5263
50.0	4617	4492	4574	4472	4539	4391	4720	4403	4563	4497
52.5	3907	3915	3835	3919	3854	3810	4038	3820	3870	3937
55.0	3363	3426	3334	3475	3323	3356	3513	3363	3333	3486
57.5	3008	2951	2979	2989	2894	2967	3083	2971	2896	2991
60.0	2658	2570	2631	2549	2565	2611	2696	2612	2563	2542
62.5	2244	2286	2220	2201	2263	2276	2327	2276	2258	2190
65.0	1918	1939	1888	1930	1965	1939	1985	1938	1959	1916
67.5	1651	1592	1657	1610	1600	1602	1674	1600	1593	1595
70.0	1348	1361	1337	1295	1286	1298	1390	1294	1276	1280
72.5	1117	1095	1084	1115	1095	1033	1132	1027	1084	1099
75.0	900.0	877.2	868.0	837.4	839.7	854.8	896.0	849.0	828.4	821.8
77.5	672.8	674.5	652.5	662.2	646.3	655.7	683.4	650.1	635.7	645.5

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

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	495.7	475.3	470.8	435.0	407.6	416.7	487.5	421.0	418.0	425.2
82.5	316.9	311.7	300.8	276.1	243.3	225.1	313.4	257.6	266.9	272.4
85.0	172.5	168.3	156.0	143.0	115.7	84.64	168.2	116.3	132.4	139.0
87.5	0	23.30	41.34	52.31	39.60	31.74	60.85	41.55	42.63	46.46
90.0	0	0	0	0	0	0	7.859	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	292450	292450	292450	292450	292450	292450	292450	292450	292450	292450
2.5	288545	287912	287333	286813	286321	285868	285479	285156	284902	284717
5.0	281326	280074	279014	278162	277410	276797	276394	276115	275888	275847
7.5	269098	267298	265910	265002	264379	264565	265116	265653	266234	266806
10.0	250645	248662	247309	248407	249693	251282	252829	254470	256056	257361
12.5	226868	225868	227751	230042	232673	235604	238698	239235	237227	235622
15.0	199880	202438	205828	209803	214149	212332	209369	207236	205841	205018
17.5	173193	177517	182608	185967	181620	178422	176151	174604	174336	175501
20.0	145855	151652	156045	151269	147226	144127	143948	145845	147547	149033
22.5	117798	125257	121111	117015	113468	114997	117086	119455	121611	122740
25.0	91184	92465	88756	85078	87562	89814	91766	93724	95013	95650
27.5	68326	64828	61464	62833	65281	67505	68754	69389	69793	70151
30.0	46426	43831	43204	45502	47375	48311	48731	48668	49363	49368
32.5	30959	28706	30749	32282	33192	33178	33440	33731	32707	30555
35.0	20613	20459	21933	22749	22500	22892	22946	21520	22518	23864
37.5	14251	15159	15887	15696	15927	16087	15585	16391	17141	17793
40.0	10843	11724	11613	11373	11735	11702	12079	12345	12805	13166
42.5	8571	9006	8579	8803	8950	9136	9156	9447	9501	9140
45.0	6911	6877	6764	6936	7066	7063	7223	7139	7181	7462
47.5	5639	5363	5524	5604	5572	5727	5637	5814	5988	6131
50.0	4595	4508	4630	4585	4686	4687	4781	4862	4962	5032
52.5	3849	3927	3916	3938	4007	4028	4041	4124	4132	4036
55.0	3339	3429	3363	3474	3460	3449	3510	3506	3496	3527
57.5	2976	2945	3001	3018	2972	3028	3041	3050	3059	3074
60.0	2621	2556	2643	2568	2614	2640	2637	2634	2656	2677
62.5	2204	2268	2222	2239	2267	2257	2263	2283	2291	2294
65.0	1869	1917	1893	1926	1909	1924	1946	1951	1961	1974
67.5	1637	1569	1622	1597	1618	1638	1646	1650	1652	1661
70.0	1317	1338	1315	1339	1361	1357	1355	1364	1370	1372
72.5	1064	1067	1082	1102	1092	1094	1103	1104	1098	1107
75.0	847.1	845.9	862.1	846.4	860.0	865.4	869.0	876.9	883.4	888.7
77.5	628.3	643.2	635.1	647.9	653.9	659.7	664.0	667.4	673.0	676.8
80.0	446.6	444.8	458.1	461.3	462.7	467.8	472.4	474.2	474.1	471.8
82.5	275.8	284.3	285.8	293.6	295.5	293.0	288.3	279.0	269.0	258.6
85.0	139.6	145.7	145.4	138.3	124.8	108.4	91.44	73.77	56.60	40.64
87.5	35.04	19.46	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	292450	292450	292450	292450	292450	292450	292450	292450	292450	292450
2.5	284538	284400	284326	284317	284370	284382	284453	284584	284772	284987
5.0	275807	275856	275979	276070	276291	276382	276592	276745	276937	277176
7.5	267262	267737	267984	268154	268282	268142	268002	267859	267521	267318
10.0	258516	259450	260089	260377	260273	259715	258884	257685	256333	255036
12.5	234419	233600	233096	232840	232767	232761	232852	232879	232987	233267
15.0	204630	204446	204496	204782	205261	205591	205934	206122	206248	206267
17.5	176511	177139	177558	177617	177717	177510	177430	177249	177460	177727
20.0	150151	150847	150922	150641	150172	149281	148327	147604	146720	146106
22.5	123339	123637	123750	123682	123565	123160	122416	121262	119141	116269
25.0	96038	96251	96432	96633	96957	97233	97281	96949	95715	93645
27.5	70785	70900	70645	70352	70309	70527	71004	71727	72248	72407
30.0	48439	46998	45495	44229	43661	43843	44732	46333	48122	49746
32.5	32302	33751	34809	35407	35617	35335	34464	33181	31207	28971
35.0	25070	26044	26787	27278	27572	27607	27243	26504	25179	23563
37.5	18586	19125	19388	19475	19531	19624	19689	19679	19344	18721
40.0	13186	12822	12253	11730	11490	11649	12163	12820	13336	13585
42.5	9195	9443	9632	9749	9785	9725	9576	9320	8964	8900
45.0	7668	7828	7946	8029	8081	8081	8027	7889	7663	7351
47.5	6248	6331	6358	6366	6376	6392	6414	6420	6382	6265
50.0	5010	4926	4811	4712	4671	4705	4802	4930	5047	5107
52.5	4037	4088	4131	4158	4169	4161	4131	4078	4016	4005
55.0	3561	3598	3630	3653	3667	3669	3655	3624	3581	3527
57.5	3107	3135	3152	3161	3165	3165	3162	3153	3141	3123
60.0	2689	2690	2682	2671	2664	2662	2666	2673	2678	2681
62.5	2310	2322	2330	2334	2335	2331	2322	2306	2281	2251
65.0	1985	1993	2000	2004	2006	2007	2005	1997	1983	1963
67.5	1671	1677	1679	1678	1677	1678	1680	1680	1678	1676
70.0	1370	1366	1359	1352	1348	1350	1354	1358	1364	1371

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

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	1115	1121	1125	1126	1125	1125	1122	1116	1107	1097
75.0	893.7	897.5	900.4	901.8	901.5	903.5	903.6	901.3	897.4	892.2
77.5	679.3	679.9	680.3	679.7	678.4	680.1	680.9	681.7	682.4	683.5
80.0	468.6	464.0	460.6	457.7	455.2	456.6	458.1	461.2	465.1	469.9
82.5	249.0	240.2	234.0	229.7	227.6	229.2	232.5	238.3	246.0	255.3
85.0	26.68	15.25	6.866	1.727	0	1.723	6.823	15.13	26.36	40.10
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	292450	292450	292450	292450	292450	292450	292450	292450	292450	292450
2.5	285184	285438	285746	286105	286514	286941	287369	287846	288369	288934
5.0	277357	277658	277901	278167	278565	279014	279466	280060	280795	281667
7.5	267118	267077	267246	267583	267939	267887	267832	268036	268467	269023
10.0	253911	252753	251918	251500	251320	251695	252511	251889	251299	251200
12.5	233591	234095	233291	231389	230052	229457	229586	230525	229834	228544
15.0	206156	205985	205736	205508	205065	203580	203108	203539	205113	203510
17.5	178439	178289	177200	176301	176013	176217	175156	174727	175655	176638
20.0	146145	146700	147855	148219	146970	145715	144424	143436	144170	146582
22.5	113906	113862	114841	116978	119367	116851	114600	112535	112642	114871
25.0	90574	86157	83316	85998	88663	91349	87725	83943	82528	84437
27.5	70674	67332	63579	59114	61570	64469	65216	61315	58480	59788
30.0	50747	50899	48581	44845	41006	43018	45262	44232	41145	40745
32.5	32194	34255	35115	33817	30691	27240	29929	31526	28892	27643
35.0	21731	20493	23121	24035	22970	20424	19679	21323	20798	19147
37.5	17467	16192	14880	16111	16604	15728	14276	14801	15399	14249
40.0	13461	13020	12108	11253	11713	12059	11250	10689	11432	10947
42.5	9548	9826	9799	9208	8563	8894	9042	8335	8541	8585
45.0	6945	6990	7402	7512	7083	6615	7017	6753	6510	6851
47.5	5999	5690	5414	5827	5924	5538	5464	5619	5206	5506
50.0	5084	4954	4728	4497	4766	4758	4490	4612	4472	4513
52.5	4148	4195	4166	3999	3854	4017	3947	3865	3922	3811
55.0	3469	3476	3541	3545	3435	3377	3472	3351	3424	3295
57.5	3085	3044	2991	3036	3054	2966	2955	2982	2940	2923
60.0	2684	2687	2648	2601	2608	2635	2532	2592	2527	2590
62.5	2264	2287	2301	2283	2225	2234	2235	2167	2216	2225
65.0	1937	1907	1921	1944	1939	1880	1902	1861	1892	1847
67.5	1665	1646	1615	1589	1622	1626	1566	1607	1529	1564
70.0	1376	1380	1373	1345	1312	1333	1337	1291	1302	1330
72.5	1084	1097	1105	1110	1099	1065	1069	1071	1057	1017
75.0	884.1	872.4	856.6	852.9	864.8	872.0	835.4	838.5	823.5	837.7
77.5	683.2	680.9	672.0	658.9	642.5	640.5	651.9	630.4	632.1	604.0
80.0	473.8	477.1	478.9	479.5	478.1	465.9	446.4	454.7	444.2	452.8
82.5	264.7	274.1	281.8	289.5	298.0	303.8	305.9	292.1	280.0	280.8
85.0	55.69	72.48	89.35	106.0	122.3	135.7	145.0	155.2	162.4	144.8
87.5	0	0	0	0	0	0	0	19.91	36.83	48.40
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	292450	292450								
2.5	289536	290173								
5.0	282671	283804								
7.5	269909	271133								
10.0	251632	252631								
12.5	227967	228289								
15.0	201910	201396								
17.5	173627	172113								
20.0	144265	141767								
22.5	115009	111672								
25.0	86322	82039								
27.5	62203	58688								
30.0	42828	40916								
32.5	28946	28048								
35.0	19886	19675								
37.5	14391	14534								
40.0	10789	11126								
42.5	8246	8600								
45.0	6415	6802								
47.5	5247	5450								
50.0	4448	4543								
52.5	3871	3894								
55.0	3415	3389								
57.5	3011	2960								
60.0	2581	2568								
62.5	2183	2202								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

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	1830	1886
67.5	1582	1618
70.0	1345	1377
72.5	1042	1148
75.0	836.4	879.3
77.5	613.6	657.8
80.0	453.1	491.2
82.5	276.2	303.7
85.0	145.8	158.1
87.5	56.91	49.95
90.0	0	0

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
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:

50% Beam Angle : 41°-H X 41°-V

one-half-peak spread: U:21.0,D:20.4 , L:20.8,R:20.2

TOTAL FLUX : 151762 lm

LOR : 97.0%

AVAILABILITY FLUX : 132793 lm

AVAILABILITY : 84.9%

