

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

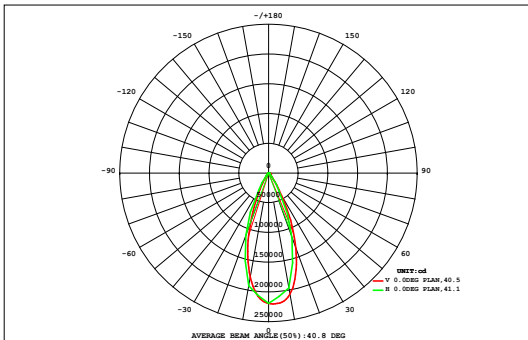
Maximum Intensity		1939.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-2.0 degrees horizontal
Beam Spread	At 10% of Imax	68.9V x 64.9H
	At 50% of Imax	41.1V x 40.5H
	At 90% of Imax	18.5V x 18.8H
Beam Flux	Total	999.4 lumens per klm.
	To 10% of Imax	865.3 lumens per klm.
	To 50% of Imax	551.8 lumens per klm.
	To 90% of Imax	124.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:13 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:277.63V I:2.7093A P:752.19W PF:0.9920 Freq:50.01Hz		
Lamp Flux:113489x1 lm		
NAME: ASD-SPFL5-750D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP	DIM.:	
	SUR.:	



DATA OF LAMP		Eff:150.88lm/W	
MODEASD-SPFL5-750D50-L40	Imax (cd)	220108	
NOMINAL POWER (W)	750	AVAILABILITY (%)	87.5
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	99279
NOMINAL FLUX (lm)	113489	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	113489
TEST VOLTAGE (V)	277	θ @50% (H, V)	40, 41DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40		
45	11.6	14.8	18.6	23.3	29.1	35.9	42.9	48.9	53.0	54.2	52.2	47.6	41.2	34.1	27.6	22.1	17.8	14.2	589	0.00
40	16.9	21.5	27.5	35.5	45.4	55.7	64.8	71.1	73.2	70.4	63.5	54.1	43.7	34.2	26.6	20.9	16.5	12.9	754	0.00
35	15.2	20.7	29.3	42.3	60.9	88.2	125	165	195	204	190	158	119	83.7	58.1	40.2	27.9	19.8	1644	648
30	23.6	35.2	53.5	80.1	119	175	237	284	300	279	228	166	112	74.9	50.2	33.3	22.6	16.4	2290	1570
25	19.3	29.5	48.0	84.1	156	270	421	572	676	711	668	554	395	247	140	77.8	46.1	28.3	5144	4658
20	36.1	61.8	111	216	390	617	838	981	1020	950	782	549	335	177	89.6	51.5	31.0	19.7	7256	6823
15	22.3	37.5	68.0	140	296	544	824	1083	1266	1337	1289	1125	865	568	305	147	72.1	39.7	10029	9663
10	47.9	92.2	203	432	783	1140	1425	1602	1644	1549	1330	1022	670	344	158	69.8	39.0	22.9	12572	12237
5	23.5	39.7	72.1	166	379	717	1072	1380	1574	1647	1618	1447	1159	807	443	207	91.4	47.1	12890	12566
0	54.3	111	259	549	946	1308	1599	1739	1740	1669	1456	1113	736	374	155	65.8	37.3	22.2	13934	13639
-5	20.9	32.4	50.0	117	304	628	970	1286	1494	1560	1527	1369	1095	767	427	201	89.8	46.4	11984	11668
-10	46.6	88.9	193	405	720	1029	1281	1439	1473	1377	1152	853	526	238	97.7	46.4	30.8	19.7	11016	10681
-15	17.6	25.8	34.5	62.3	146	334	578	815	991	1069	1041	910	710	483	269	134	67.1	37.4	7725	7377
-20	34.3	57.6	101	191	325	496	658	751	757	677	520	322	153	66.9	34.5	25.9	20.6	15.2	5207	4802
-25	14.4	19.3	26.1	33.8	58.2	104	191	301	391	441	441	391	300	200	120	68.8	41.7	26.3	3169	2668
-30	21.7	31.4	45.7	63.4	82.4	105	123	129	118	96.0	68.2	44.7	29.5	22.8	20.3	18.5	15.4	12.9	1049	279
-35	12.3	15.2	19.2	25.1	32.8	43.2	60.3	83.9	107	123	124	112	89.9	66.3	47.7	34.5	24.7	17.9	1039	0.00
-40	15.1	18.9	23.1	28.0	32.9	35.5	33.5	28.2	23.8	20.8	18.5	16.8	16.0	15.3	14.7	13.7	12.3	10.4	378	0.00
-45	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45	
Φ t	454	753	1383	2694	4905	7725	10545	12761	13897	13835	12570	10255	7394	4603	2485	1278	704	430	10866	9
Φ a	0.00	41.7	642	2036	4322	7265	10097	12380	13571	13481	12235	9815	6910	4155	1776	545	5.50	0.00	---	99279

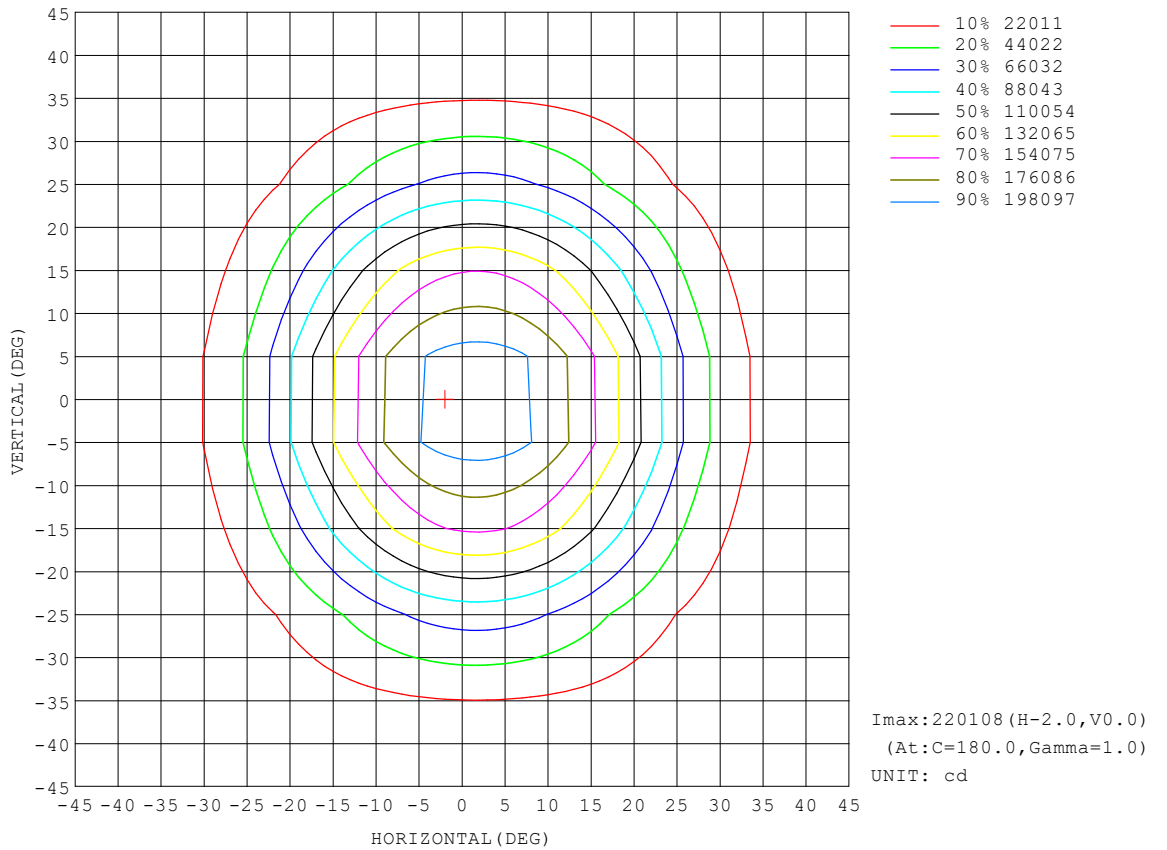
one-half-peak spread: U:21.0,D:20.4 , L:20.7,R:20.0 NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:13 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:277.63V I:2.7093A P:752.19W PF:0.9920 Freq:50.01Hz		
Lamp Flux:113489x1 lm		
NAME: ASD-SPFL5-750D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP	DIM.:	
	SUR.:	

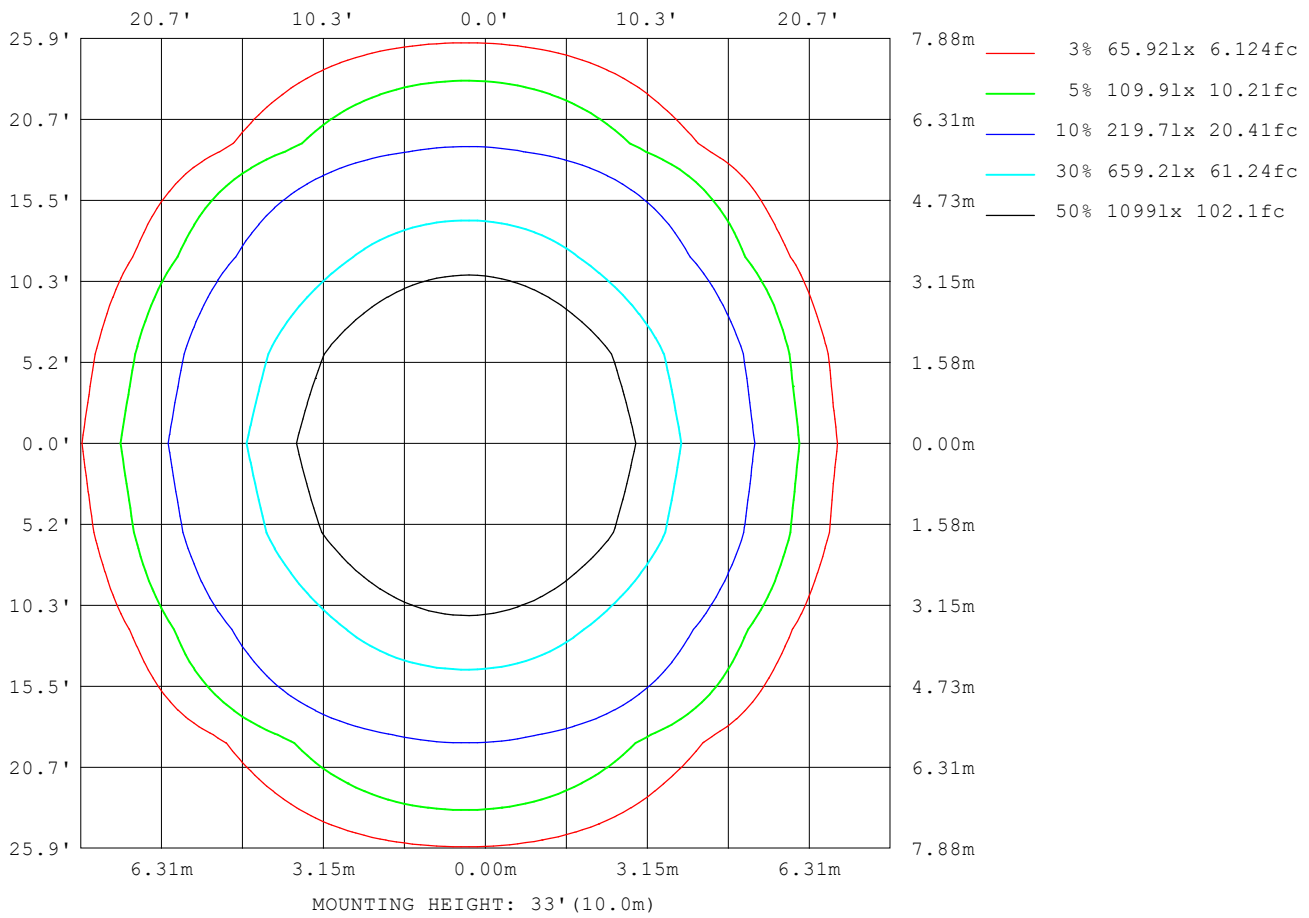


H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:13 December 2022

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**

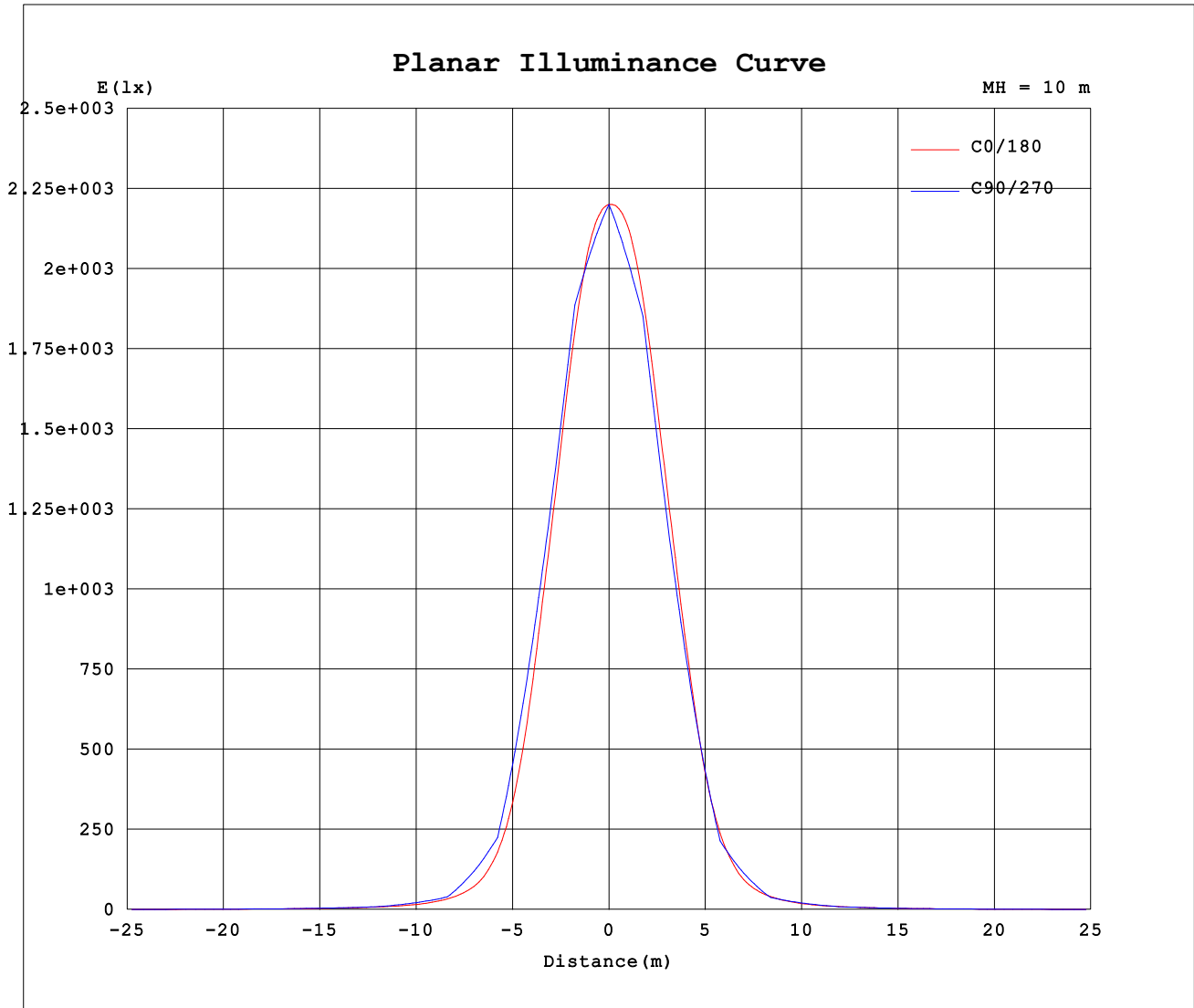
Test:U:277.63V I:2.7093A P:752.19W PF:0.9920 Freq:50.01Hz		
Lamp Flux:113489x1 lm		
NAME: ASD-SPFL5-750D50-L40	TYPE:	
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Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:13 December 2022

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**

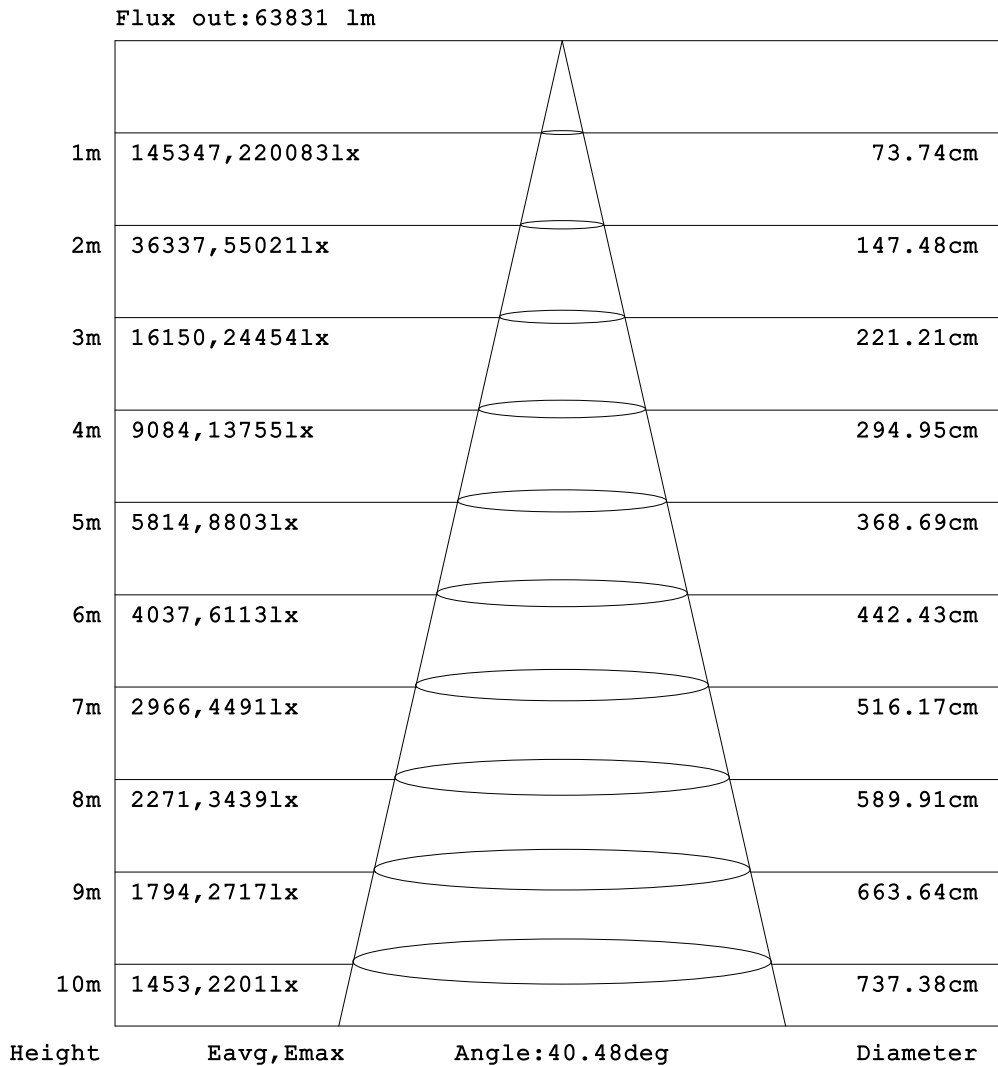


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:13 December 2022

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:277.63V I:2.7093A P:752.19W PF:0.9920 Freq:50.01Hz		
Lamp Flux:113489x1 lm		
NAME: ASD-SPFL5-750D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP	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:S  
Test Date:13 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	220047	220047	220047	220047	220047	220047	220047	220047	220047	220047
2.5	218152	217706	217289	216901	216547	216228	215946	215704	215460	215227
5.0	213130	212304	211577	210954	210437	210029	209731	209544	209361	209214
7.5	203202	202202	201477	201018	200812	200700	200754	201001	201272	201232
10.0	188771	187807	187305	187240	187585	188314	189091	188725	188672	189025
12.5	170565	169824	169808	170455	171585	172270	171784	171964	172699	173972
15.0	149284	149062	149780	151355	152963	152062	152011	152596	154000	154764
17.5	127328	127435	128729	131143	130625	130188	130836	132006	132390	133111
20.0	103924	104706	106857	108852	107244	106917	107885	109273	110816	112400
22.5	79727	81181	84251	84769	83549	83747	85638	87716	90122	88959
25.0	58150	59773	63010	61801	60762	62260	65476	68597	66949	65451
27.5	40649	42490	45301	43632	42799	45192	48532	48331	46533	45110
30.0	27728	29410	30995	29711	30051	32471	33472	32099	30955	34059
32.5	18897	20236	20845	19920	21120	23117	22065	20292	22976	25531
35.0	13132	14130	14309	13781	15029	15579	14432	15124	17095	17989
37.5	9717	10436	10318	10223	11116	10743	10459	11564	12293	11939
40.0	7374	7943	7738	7867	8238	7749	8204	8835	8617	8287
42.5	5731	6201	5940	6191	6171	6038	6585	6515	6279	6781
45.0	4541	4919	4643	4962	4731	4911	5114	4846	5202	5532
47.5	3733	3971	3819	4007	3804	4103	3997	4063	4358	4295
50.0	3174	3327	3257	3302	3276	3381	3297	3497	3511	3325
52.5	2764	2866	2848	2806	2884	2847	2904	2959	2959	2961
55.0	2427	2506	2523	2433	2525	2475	2560	2493	2543	2631
57.5	2139	2195	2231	2164	2174	2204	2186	2196	2267	2260
60.0	1872	1909	1921	1923	1872	1920	1876	1956	1942	1942
62.5	1622	1644	1630	1656	1645	1607	1660	1663	1662	1708
65.0	1396	1415	1377	1379	1407	1381	1415	1404	1452	1460
67.5	1196	1221	1197	1172	1144	1195	1167	1217	1218	1199
70.0	1014	1049	1023	998.1	974.3	962.5	999.6	999.8	989.6	1018
72.5	845.8	882.0	797.8	765.0	790.3	800.2	804.3	802.3	832.9	844.7
75.0	695.3	687.4	641.0	628.6	615.1	626.9	631.6	660.8	660.1	654.8
77.5	558.2	525.5	470.1	451.5	473.1	473.4	495.5	489.8	495.7	511.5
80.0	434.3	397.3	340.1	335.3	333.3	345.0	342.6	360.8	374.6	379.0
82.5	326.5	229.6	182.9	200.2	210.7	225.0	239.0	240.8	240.6	237.8
85.0	236.7	95.54	87.42	98.90	123.6	123.0	118.6	111.8	101.2	88.07
87.5	178.5	28.58	36.67	35.17	28.23	16.07	0	0	0	0
90.0	171.6	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	220047	220047	220047	220047	220047	220047	220047	220047	220047	220047
2.5	215031	214873	214755	214677	214580	214499	214458	214458	214501	214503
5.0	209161	209126	209052	209061	209010	208983	208978	208926	208955	208867
7.5	201183	201265	201495	201812	202115	202502	202760	203007	203246	203277
10.0	189535	190373	191484	192699	193941	195117	196141	196955	197538	197796
12.5	175632	176523	176445	176568	176838	177071	177233	177386	177604	177841
15.0	155377	155954	156430	156842	157311	157622	157692	157671	157671	157477
17.5	134322	135675	136229	136026	136141	136424	136860	137141	137520	137647
20.0	112606	112224	112355	112857	113664	114594	115551	116513	117370	117967
22.5	88082	87937	88385	90601	92945	94534	95604	96326	96802	97108
25.0	64263	67055	70456	72936	74731	75698	76142	76249	76234	76125
27.5	48804	52185	54998	56388	56428	56115	55722	55506	55517	55686
30.0	37092	39226	39389	38705	37579	36345	35298	34776	34800	35363
32.5	26647	26130	24733	22454	24348	25992	27165	27965	28316	28246
35.0	17362	15423	16507	18157	19565	20679	21378	21757	21831	21657
37.5	11030	12118	13215	14351	14939	15234	15311	15315	15308	15312
40.0	8962	9720	10143	10316	10176	9775	9272	8884	8784	9012
42.5	7249	7312	7154	6675	6731	7026	7248	7396	7471	7468
45.0	5472	5192	5183	5499	5748	5940	6068	6136	6158	6139
47.5	4004	4226	4472	4683	4781	4824	4836	4837	4839	4847
50.0	3500	3681	3788	3813	3773	3693	3604	3539	3521	3560
52.5	3090	3120	3090	2985	2997	3052	3098	3129	3142	3140
55.0	2633	2590	2588	2632	2676	2715	2743	2760	2764	2758
57.5	2233	2273	2306	2335	2351	2365	2375	2382	2385	2385
60.0	1981	2010	2011	2010	2010	2008	2004	2003	2006	2013
62.5	1726	1716	1703	1694	1718	1737	1750	1759	1763	1764
65.0	1446	1438	1462	1484	1500	1511	1517	1520	1521	1520
67.5	1221	1246	1262	1273	1276	1277	1278	1278	1278	1279
70.0	1042	1050	1049	1048	1045	1041	1038	1035	1034	1038
72.5	844.4	841.1	834.4	846.9	856.8	863.2	867.5	869.8	870.1	871.0
75.0	660.4	675.4	686.9	695.7	701.8	704.9	706.4	706.8	705.7	706.1
77.5	524.4	534.4	538.7	541.5	543.1	543.1	542.7	542.3	541.3	542.4
80.0	381.7	383.3	383.6	383.4	382.6	380.5	378.7	377.8	376.8	378.8
82.5	234.3	227.7	219.9	212.2	204.8	198.0	192.9	189.8	188.4	190.3
85.0	74.30	60.20	46.27	33.34	21.95	12.58	5.660	1.426	0	1.430

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:13 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	220047	220047	220047	220047	220047	220047	220047	220047	220047	220047
2.5	214548	214637	214770	214927	215079	215278	215525	215817	216153	216512
5.0	208868	208823	208819	208873	208914	209086	209287	209572	210007	210538
7.5	203255	203151	202846	202540	202129	201689	201261	200794	200573	200929
10.0	197721	197335	196694	195860	194880	193681	192387	191087	189645	188410
12.5	178134	178561	179194	180091	181296	182786	182185	179548	177049	174767
15.0	157323	157320	157484	157760	158261	159088	160402	162327	163401	159745
17.5	137674	137401	136969	136083	135004	134903	135768	137152	139181	142004
20.0	118232	118220	117675	116702	115373	113736	111807	111400	113325	116032
22.5	97287	97417	97390	97204	96380	94268	91848	89765	87987	90247
25.0	76088	76124	76129	75989	75613	74651	73127	70767	68333	66153
27.5	55997	56331	56352	55905	55655	55389	54785	53538	51380	49025
30.0	36357	37620	38719	39449	39439	38733	38601	38284	37601	35708
32.5	27814	27093	25890	24516	26088	26753	26449	26235	26291	25837
35.0	21325	20791	20011	19064	17864	17017	18082	18065	17779	17649
37.5	15307	15134	14738	14073	13530	12869	12194	12645	12362	12176
40.0	9484	9994	10331	10322	10024	9648	9424	9113	9111	8804
42.5	7400	7274	7090	7082	7383	7349	7116	7083	6944	6814
45.0	6090	6012	5901	5756	5552	5531	5587	5456	5470	5368
47.5	4853	4842	4793	4709	4617	4479	4342	4407	4294	4312
50.0	3644	3743	3820	3844	3803	3731	3663	3586	3591	3507
52.5	3123	3094	3059	3058	3143	3148	3085	3075	3057	3002
55.0	2743	2722	2698	2670	2647	2660	2672	2630	2635	2643
57.5	2381	2370	2353	2329	2319	2314	2311	2305	2264	2295
60.0	2023	2032	2035	2029	2018	2003	2007	2010	1991	1952
62.5	1762	1757	1751	1741	1743	1740	1726	1722	1727	1702
65.0	1517	1514	1510	1504	1497	1490	1488	1471	1457	1466
67.5	1280	1280	1277	1272	1267	1266	1262	1255	1238	1219
70.0	1044	1050	1055	1058	1057	1053	1045	1045	1046	1027
72.5	870.5	868.8	865.4	860.5	854.6	859.2	856.4	848.4	845.4	850.0
75.0	705.4	704.4	702.3	699.0	694.8	689.2	681.9	678.0	672.6	659.1
77.5	543.2	544.0	543.7	541.8	538.1	532.6	528.3	523.7	518.7	512.2
80.0	381.4	384.8	387.8	389.7	390.1	388.7	385.2	379.8	374.5	371.8
82.5	194.4	200.6	208.6	217.7	227.4	237.1	246.1	248.9	248.7	245.0
85.0	5.704	12.74	22.36	34.21	47.85	62.70	78.09	93.27	108.4	121.5
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	220047	220047	220047	220047	220047	220047	220047	220047	220047	220047
2.5	216883	217296	217746	218228	218736	219265	219809	219185	218577	217991
5.0	211134	211882	212771	213786	214911	216128	217416	215973	214602	213325
7.5	201458	202350	203550	204954	206675	208678	210924	208466	206249	204311
10.0	187323	188119	189399	191245	193622	196489	199799	196227	193100	190469
12.5	172704	170890	171257	173339	176106	179667	183976	179376	175519	172443
15.0	156240	153130	150700	152184	155348	159471	164545	159162	154735	151274
17.5	138955	134853	131303	129659	133051	137700	143605	137382	132400	128648
20.0	119453	115708	110756	106856	109076	114090	120576	113723	108362	105834
22.5	93146	96240	90131	85165	84858	90258	97307	89990	84301	84148
25.0	68638	71123	69707	64375	61860	66831	73350	66571	61339	63583
27.5	47544	49861	52186	47313	43520	47260	52641	47104	43172	46578
30.0	33601	33523	35369	33813	30589	32433	36666	32286	30302	33371
32.5	23761	22001	23587	23953	21189	21934	25165	21857	20974	23501
35.0	16992	15666	15655	16614	14931	14944	16965	14870	14786	16391
37.5	12291	11628	10893	11744	11150	10737	12113	10690	11026	11539
40.0	8959	9027	8286	8562	8462	8012	8989	7975	8374	8438
42.5	6609	6926	6547	6424	6658	6151	6918	6125	6595	6337
45.0	5201	5276	5291	4926	5307	4794	5383	4778	5252	4866
47.5	4234	4099	4306	3991	4205	3920	4303	3909	4180	3956
50.0	3534	3433	3491	3406	3446	3317	3555	3313	3431	3382
52.5	2981	2981	2917	2979	2916	2875	3040	2874	2912	2964
55.0	2554	2601	2527	2641	2512	2530	2648	2527	2507	2630
57.5	2277	2228	2250	2260	2178	2230	2318	2229	2175	2255
60.0	2003	1934	1978	1914	1928	1959	2019	1958	1926	1914
62.5	1685	1715	1662	1650	1697	1705	1739	1704	1697	1651
65.0	1437	1453	1413	1442	1472	1451	1483	1451	1473	1446
67.5	1235	1194	1239	1203	1198	1199	1249	1201	1201	1207
70.0	1008	1023	999.4	969.1	960.4	971.0	1036	971.4	963.9	972.3
72.5	832.7	819.1	811.6	833.0	816.1	770.2	843.2	769.5	819.2	835.7
75.0	668.5	653.5	650.9	626.6	625.9	636.2	667.0	637.5	628.3	627.5
77.5	499.7	503.1	488.4	497.0	482.7	489.2	508.6	491.7	485.1	495.8

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:13 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	368.1	356.8	355.0	333.2	316.1	319.2	365.6	322.8	324.4	332.2
82.5	237.5	236.3	231.1	217.4	195.3	181.0	240.6	204.5	213.5	219.2
85.0	131.0	128.6	121.4	114.5	92.87	68.25	131.5	96.04	110.3	117.1
87.5	0	17.86	32.00	38.30	28.67	23.17	46.47	31.35	32.05	36.01
90.0	0	0	0	0	0	0	5.428	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	220047	220047	220047	220047	220047	220047	220047	220047	220047	220047
2.5	217433	216909	216424	215984	215560	215165	214818	214521	214277	214087
5.0	212162	211129	210243	209516	208858	208300	207901	207595	207330	207206
7.5	202688	201268	200157	199406	198855	198905	199212	199488	199782	200058
10.0	188377	186861	185810	186601	187514	188627	189672	190760	191790	192582
12.5	170040	169333	170825	172620	174613	176764	178959	179241	177672	176413
15.0	149496	151538	154201	157228	160498	159282	157218	155682	154604	153914
17.5	129895	133095	136906	139563	136426	134077	132441	131418	131363	132166
20.0	109407	113881	117146	113603	110733	108583	108592	110093	111505	112615
22.5	88545	94347	91229	88130	85548	86888	88620	90552	92303	93128
25.0	68545	69568	66870	64191	66118	68045	69860	71264	72179	72640
27.5	51065	48659	46270	47479	49377	51098	52221	52789	53029	53277
30.0	34721	32716	32419	34338	35956	36563	36804	36863	37489	37481
32.5	23092	21452	22972	24462	25086	25066	25209	25412	24737	23145
35.0	15354	15236	16373	16941	16907	17218	17200	16106	16919	18001
37.5	10663	11310	11862	11724	11866	12031	11602	12209	12817	13344
40.0	8122	8772	8679	8506	8763	8718	8991	9186	9529	9807
42.5	6418	6749	6432	6598	6697	6815	6824	7032	7046	6752
45.0	5195	5166	5079	5212	5300	5279	5386	5313	5326	5512
47.5	4242	4033	4151	4213	4187	4284	4209	4327	4452	4535
50.0	3456	3391	3481	3447	3519	3506	3570	3626	3690	3726
52.5	2898	2954	2947	2964	3009	3020	3024	3078	3072	2990
55.0	2517	2583	2535	2618	2604	2594	2632	2616	2602	2622
57.5	2243	2220	2265	2279	2245	2281	2285	2285	2287	2296
60.0	1977	1930	1997	1943	1979	1995	1990	1984	1997	2009
62.5	1665	1715	1682	1698	1721	1713	1716	1728	1732	1732
65.0	1415	1454	1436	1465	1455	1467	1483	1485	1490	1497
67.5	1242	1195	1235	1219	1237	1254	1260	1262	1262	1268
70.0	1001	1024	1008	1026	1046	1044	1043	1050	1054	1055
72.5	811.6	818.4	832.2	849.5	844.0	846.8	854.7	856.7	852.5	858.2
75.0	648.7	651.0	666.0	656.9	669.9	675.8	679.8	685.8	690.6	694.6
77.5	484.6	498.7	494.8	508.0	514.7	520.0	524.2	527.6	532.1	535.5
80.0	349.9	350.7	361.7	365.7	368.5	374.3	379.1	381.7	382.4	381.5
82.5	224.9	229.2	230.5	237.6	241.3	241.7	238.6	230.1	221.1	211.9
85.0	116.0	121.8	123.3	115.6	104.0	90.19	75.68	60.85	46.52	33.30
87.5	29.40	16.64	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	220047	220047	220047	220047	220047	220047	220047	220047	220047	220047
2.5	213900	213744	213639	213585	213581	213545	213558	213619	213727	213856
5.0	207085	207036	207045	207029	207115	207106	207191	207239	207320	207439
7.5	200253	200472	200529	200534	200516	200308	200113	199929	199640	199454
10.0	193253	193768	194078	194138	193917	193377	192652	191753	190740	189696
12.5	175444	174737	174250	173944	173756	173601	173519	173449	173358	173257
15.0	153557	153349	153268	153365	153595	153689	153780	153803	153683	153395
17.5	132835	133223	133411	133342	133293	132999	132781	132514	132434	132434
20.0	113357	113832	113758	113452	112991	112205	111345	110632	109817	109196
22.5	93354	93458	93416	93236	93039	92623	91950	90991	89357	87167
25.0	72830	72847	72909	72938	73088	73177	73100	72758	71760	70148
27.5	53759	53735	53481	53170	53054	53095	53370	53797	54116	54189
30.0	36785	35677	34520	33514	33019	33030	33644	34685	35979	37122
32.5	24502	25596	26361	26764	26861	26553	25852	24761	23255	21462
35.0	18939	19666	20194	20528	20703	20660	20354	19712	18699	17385
37.5	13946	14336	14494	14521	14528	14559	14597	14548	14297	13765
40.0	9795	9480	8995	8557	8352	8468	8862	9367	9766	9930
42.5	6753	6921	7040	7111	7123	7068	6949	6758	6496	6461
45.0	5643	5745	5819	5868	5894	5885	5837	5732	5565	5339
47.5	4609	4653	4665	4662	4661	4668	4678	4677	4649	4561
50.0	3700	3629	3539	3463	3429	3451	3520	3609	3692	3732
52.5	2986	3020	3048	3065	3070	3062	3039	3000	2954	2946
55.0	2645	2668	2688	2703	2710	2710	2699	2676	2644	2606
57.5	2317	2334	2345	2350	2351	2350	2347	2340	2331	2318
60.0	2015	2013	2006	1998	1991	1989	1992	1998	2001	2003
62.5	1740	1746	1750	1752	1752	1748	1743	1733	1717	1697
65.0	1502	1506	1509	1511	1512	1513	1512	1508	1499	1486
67.5	1272	1275	1275	1274	1273	1273	1275	1276	1276	1275
70.0	1052	1047	1041	1036	1033	1034	1037	1042	1046	1051

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:13 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	862.7	865.6	867.1	867.6	866.6	866.7	865.5	862.6	856.8	848.7
75.0	697.6	699.1	700.1	700.6	700.1	701.6	702.4	701.9	699.4	695.0
77.5	537.2	536.7	535.9	534.9	533.7	535.1	536.5	537.8	538.4	538.5
80.0	379.4	375.6	372.1	369.3	367.4	368.7	370.5	372.9	375.7	378.1
82.5	203.4	195.4	189.4	185.5	183.7	185.2	188.5	193.7	200.4	208.2
85.0	21.79	12.41	5.558	1.394	0	1.392	5.531	12.30	21.48	32.71
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	220047	220047	220047	220047	220047	220047	220047	220047	220047	220047
2.5	213972	214134	214341	214591	214883	215190	215499	215851	216242	216671
5.0	207512	207678	207816	207982	208248	208557	208878	209313	209861	210520
7.5	199274	199196	199277	199494	199715	199631	199567	199701	200008	200412
10.0	188701	187778	187139	186837	186712	186994	187595	187071	186595	186500
12.5	173254	173454	172809	171452	170490	170054	170161	170916	170511	169659
15.0	153115	152827	152505	152171	151665	150565	150273	150616	151796	150486
17.5	132793	132523	131513	130554	130018	129870	129020	128711	129450	130262
20.0	109032	109210	109772	109702	108444	107248	106142	105479	106120	108003
22.5	85219	84794	85183	86438	87943	85904	84106	82397	82505	83997
25.0	67661	64119	61674	63361	65227	67093	64167	61165	59922	61200
27.5	52694	49944	46872	43552	45125	47042	47420	44370	42175	43186
30.0	37685	37592	35709	32833	29747	31133	32736	31894	29821	29720
32.5	23707	25090	25689	24580	22156	19707	21499	22776	20912	19694
35.0	15865	14814	16747	17334	16578	14616	14065	15352	14818	13595
37.5	12714	11674	10681	11568	11938	11210	10278	10565	10946	10106
40.0	9773	9393	8695	8068	8389	8664	8057	7614	8133	7798
42.5	6924	7100	7051	6626	6159	6408	6472	5972	6122	6149
45.0	5053	5070	5354	5425	5121	4782	5054	4874	4693	4930
47.5	4374	4146	3947	4234	4305	4023	3968	4074	3775	3988
50.0	3721	3624	3460	3300	3482	3471	3283	3364	3266	3293
52.5	3053	3086	3062	2947	2833	2947	2899	2844	2879	2797
55.0	2570	2576	2620	2624	2537	2493	2562	2477	2524	2429
57.5	2294	2267	2231	2259	2267	2203	2192	2210	2177	2161
60.0	2007	2009	1983	1947	1949	1965	1886	1929	1878	1920
62.5	1705	1720	1731	1715	1673	1675	1672	1618	1651	1654
65.0	1467	1446	1454	1468	1463	1417	1429	1394	1414	1377
67.5	1267	1253	1229	1208	1230	1229	1182	1208	1152	1170
70.0	1054	1056	1049	1027	999.8	1011	1013	975.6	983.5	997.9
72.5	838.7	846.5	850.5	852.2	841.1	813.7	813.1	811.8	799.3	765.6
75.0	688.5	678.7	665.1	661.0	666.4	669.6	638.2	638.7	623.6	631.6
77.5	537.7	534.7	526.2	514.8	500.1	495.8	501.4	482.8	480.1	457.4
80.0	380.0	380.9	380.6	379.1	375.7	363.6	347.5	351.1	339.9	343.8
82.5	216.3	224.0	230.8	234.7	238.6	240.3	240.0	227.6	215.8	213.3
85.0	45.50	59.23	73.17	86.56	99.45	109.7	115.7	121.7	124.5	109.5
87.5	0	0	0	0	0	0	0	15.62	27.60	33.07
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	220047	220047								
2.5	217134	217629								
5.0	211287	212159								
7.5	201072	201998								
10.0	186813	187562								
12.5	169280	169560								
15.0	149205	148776								
17.5	128152	127150								
20.0	106301	104432								
22.5	83734	80930								
25.0	62603	59580								
27.5	44996	42343								
30.0	30976	29424								
32.5	20694	20158								
35.0	14188	14067								
37.5	10245	10398								
40.0	7691	7919								
42.5	5912	6186								
45.0	4627	4911								
47.5	3806	3964								
50.0	3249	3322								
52.5	2842	2864								
55.0	2520	2502								
57.5	2225	2190								
60.0	1912	1902								
62.5	1620	1634								

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:S

Test Date:13 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	1361	1401
67.5	1181	1204
70.0	1007	1028
72.5	780.6	856.9
75.0	627.4	657.8
77.5	462.0	494.0
80.0	341.8	368.9
82.5	207.4	226.4
85.0	107.8	116.8
87.5	37.76	31.66
90.0	0	0

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:13 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 : 40°-H X 41°-V

one-half-peak spread: U:21.0,D:20.4 , L:20.7,R:20.0

TOTAL FLUX : 113489 lm

LOR : 100.0%

AVAILABILITY FLUX : 99279 lm

AVAILABILITY : 87.5%

