

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

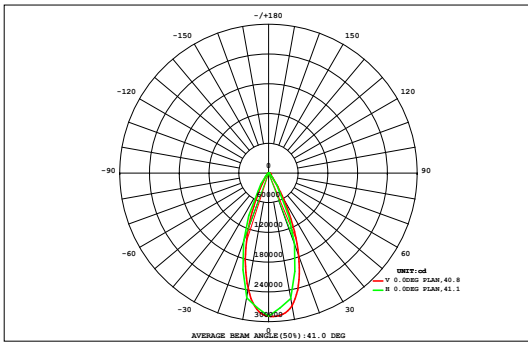
Maximum Intensity (Luminaire orientation as tested.)		1926.6 cd per klm. 0.0 degrees vertical -2.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	68.9V x 65.3H 41.1V x 40.8H 18.7V x 19.2H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	999.3 lumens per klm. 866.0 lumens per klm. 553.5 lumens per klm. 128.7 lumens per klm.
	Upward LOR Downward LOR	0.0 % 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:2023-9-25

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:480.33V I:2.0962A P:1006.9W PF:0.9955 Freq:49.96Hz		
Lamp Flux:150198x1 lm		
NAME: ASD-SPFL5-HV-1000D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:149.17lm/W	
<b>MSDESPFL5-HV-1000D50-L40</b>		Imax (cd)	289371
NOMINAL POWER (W)	1000	AVAILABILITY (%)	87.5
RATED VOLTAGE (V)	480	Avai. FLUX (lm)	131424
NOMINAL FLUX (lm)	150198	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	150198
TEST VOLTAGE (V)	480	θ @50% (H, V)	41,41DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm				Φ t	Φ a
	15.2	19.4	24.5	30.8	38.7	48.0	57.6	66.0	71.8	73.7	71.2	64.9	56.1	46.4	37.4	29.9	23.9	19.0	795	0.00		
45	22.2	28.4	36.5	47.3	60.6	74.9	87.6	96.6	99.7	96.2	86.9	73.9	59.7	46.7	36.1	28.2	22.2	17.2	1021	0.00		
40	19.9	27.2	38.6	56.0	80.9	117	165	216	255	268	251	210	160	115	80.2	55.3	38.1	26.9	2180	851		
35	31.1	46.4	70.9	106	158	229	308	370	392	366	302	223	154	104	69.3	45.6	30.8	22.1	3029	2066		
30	25.4	38.9	63.4	112	204	354	548	746	886	934	880	731	526	334	192	108	63.9	38.9	6785	6138		
25	47.5	81.9	148	283	509	801	1092	1286	1342	1254	1033	732	451	243	125	71.4	42.7	26.8	9569	9008		
20	29.3	49.5	89.9	187	391	716	1084	1426	1671	1772	1715	1499	1159	765	417	202	101	55.0	13329	12848		
15	63.9	122	269	571	1029	1505	1883	2123	2187	2069	1782	1377	906	473	215	98.7	54.1	31.4	16758	16310		
10	30.7	52.6	96.7	222	503	948	1419	1815	2065	2169	2144	1926	1550	1086	606	284	127	65.4	17109	16677		
5	71.5	149	344	728	1255	1733	2104	2276	2284	2207	1939	1489	990	516	217	90.5	51.5	30.0	18474	18074		
0	27.1	41.0	65.3	155	399	825	1280	1689	1952	2040	2008	1815	1460	1027	580	275	123	63.8	15825	15410		
-5	60.8	115	254	532	942	1346	1673	1876	1927	1811	1530	1139	707	325	132	63.0	41.6	26.3	14502	14064		
-10	22.6	33.4	43.2	81.0	190	438	758	1071	1298	1401	1368	1205	944	646	364	181	90.7	50.5	10184	9725		
-15	44.0	73.5	131	246	425	647	864	988	1000	898	695	431	208	91.1	45.8	34.0	27.2	20.1	6869	6344		
-20	18.8	24.9	32.8	43.5	73.2	135	249	395	514	581	582	519	399	267	161	91.9	55.6	35.0	4177	3529		
-25	28.0	40.1	58.2	80.3	106	138	164	172	159	130	91.6	59.6	38.8	29.6	26.2	24.3	20.3	17.0	1382	379		
-30	16.1	19.8	24.9	32.2	41.3	54.4	77.1	108	140	160	164	148	119	87.5	62.9	45.5	32.7	23.8	1357	0.00		
-35	19.6	24.4	29.7	35.9	42.2	45.1	41.8	34.9	29.6	26.2	23.4	21.5	20.4	19.9	19.3	18.1	16.3	13.7	482	0.00		
-40	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45					
Φ t	594	987	1821	3549	6449	10154	13855	16754	18272	18256	16667	13664	9909	6222	3386	1745	961	583	143828	---		
Φ a	0.00	56.9	859	2685	5688	9552	13268	16251	17840	17793	16219	13092	9255	5648	2436	766	14.8	0.00	---	131424		

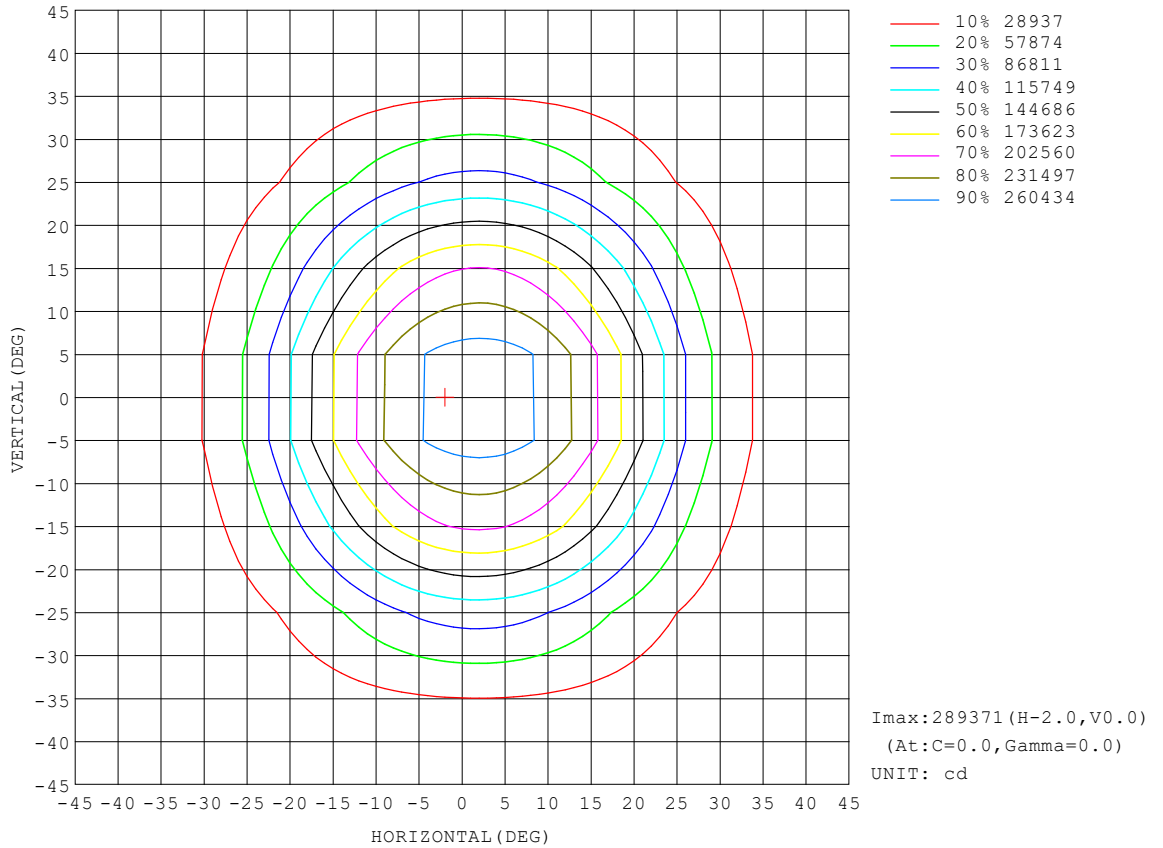
one-half-peak spread: U:21.0,D:20.4 , L:20.8,R:20.2 NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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:480.33V I:2.0962A P:1006.9W PF:0.9955 Freq:49.96Hz Lamp Flux:150198x1 lm		
NAME: ASD-SPFL5-HV-1000D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP		

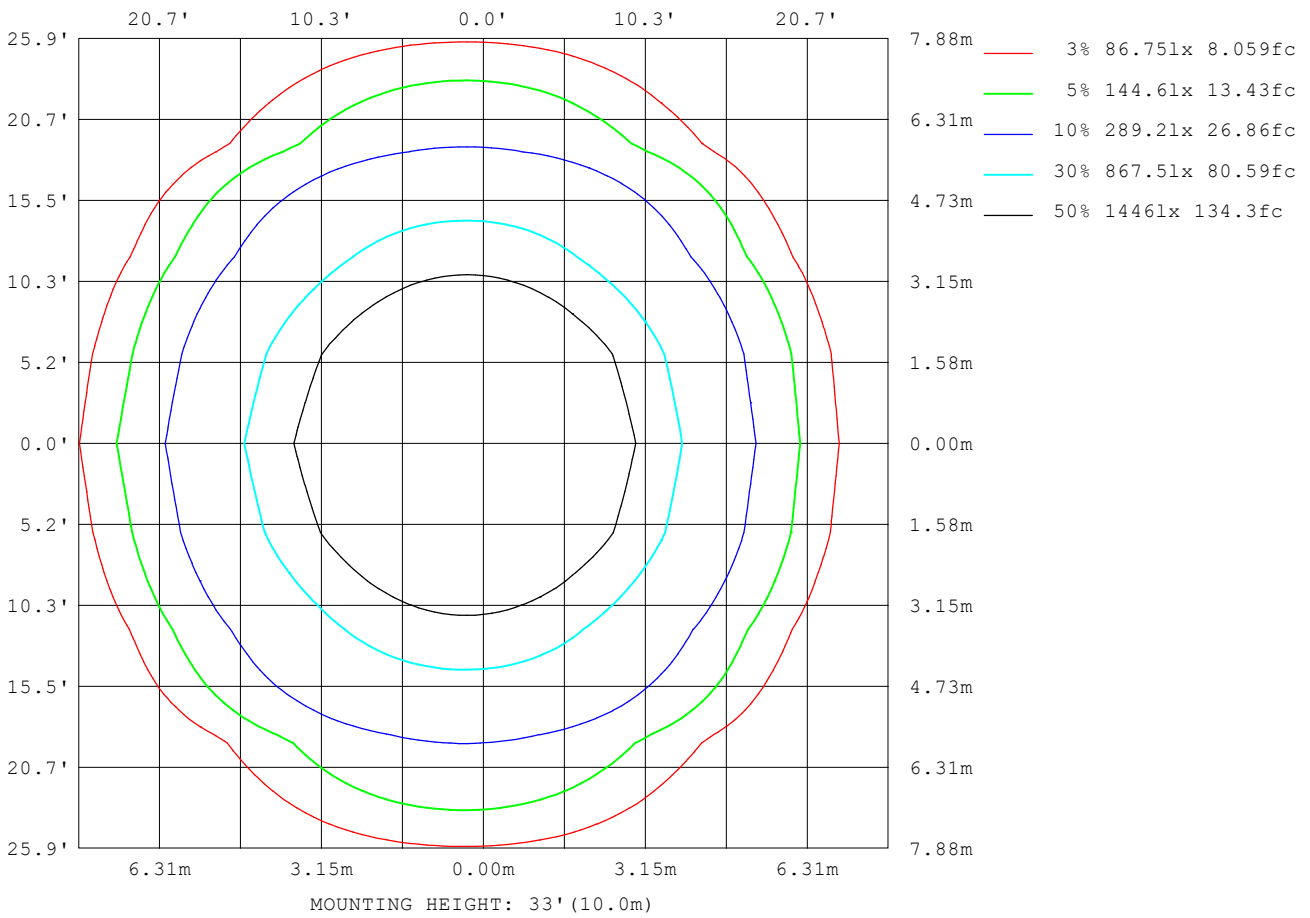


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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**

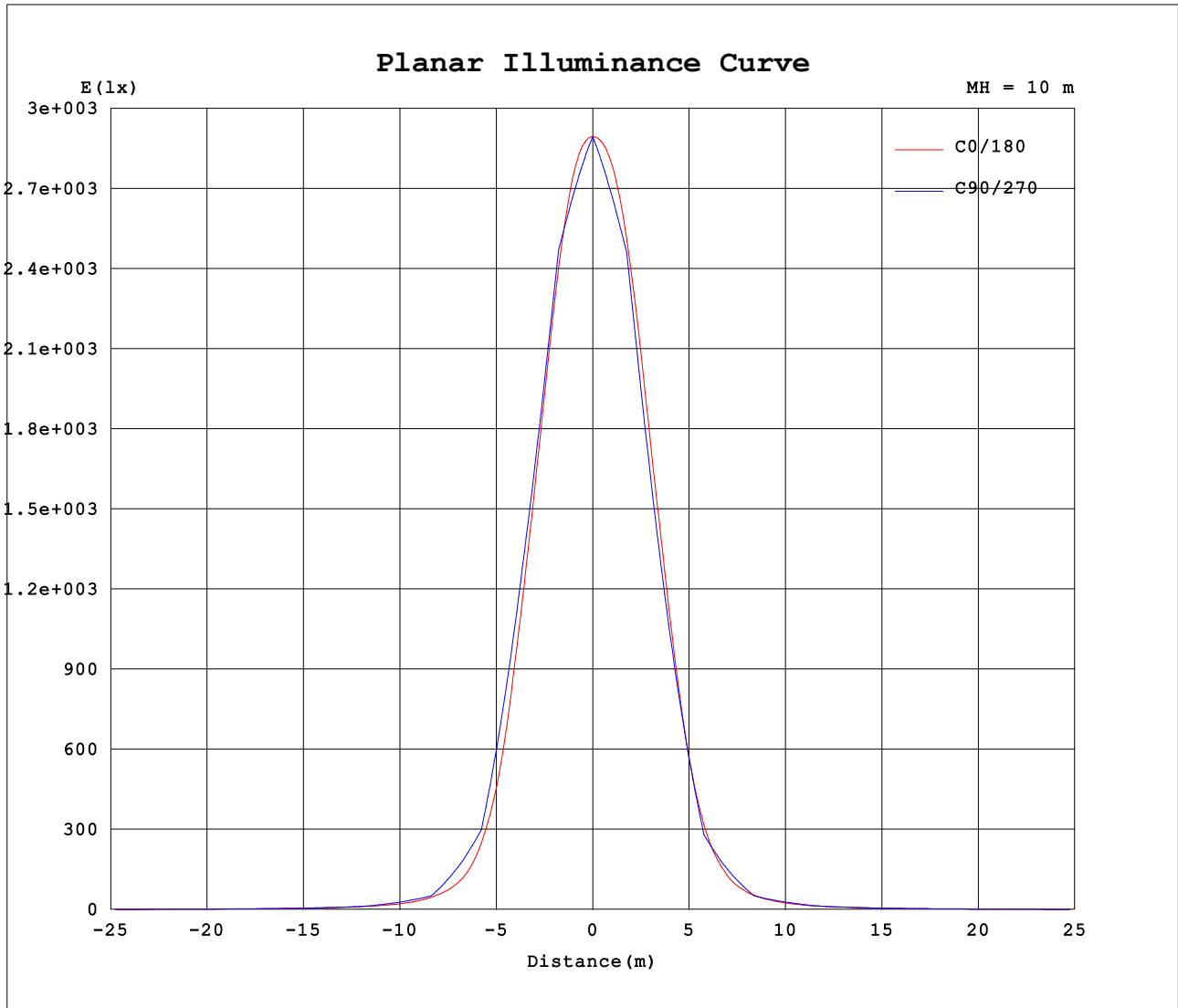
<b>Test:U:480.33V I:2.0962A P:1006.9W PF:0.9955 Freq:49.96Hz</b> <b>Lamp Flux:150198x1 lm</b>		
<b>NAME: ASD-SPFL5-HV-1000D50-L40</b>	<b>TYPE:</b>	
<b>MFR.: ASD LIGHTING CORP</b>		



**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:S**  
**Test Date:2023-9-25**

**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**



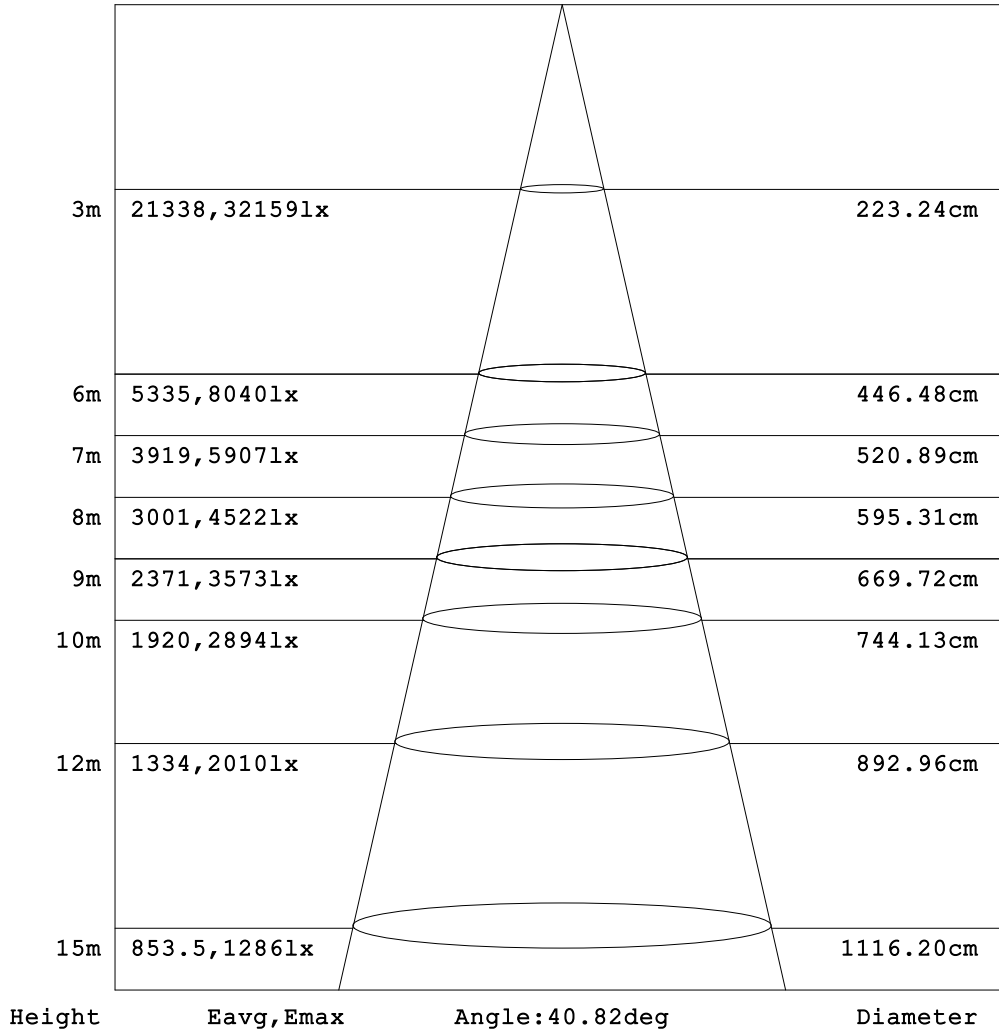
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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:480.33V I:2.0962A P:1006.9W PF:0.9955 Freq:49.96Hz Lamp Flux:150198lx1 lm		
NAME: ASD-SPFL5-HV-1000D50-L40	TYPE:	
MFR.: ASD LIGHTING CORP		

Flux out:84338 lm



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:S  
Test Date:2023-9-25

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	289435	289435	289435	289435	289435	289435	289435	289435	289435	289435
2.5	287841	287204	286596	286021	285483	284986	284533	284128	283724	283337
5.0	282119	280908	279818	278857	278029	277341	276794	276394	275994	275642
7.5	269895	268443	267334	266558	266101	265735	265560	265610	265638	265271
10.0	251611	250181	249345	249065	249302	250019	250755	250064	249792	250053
12.5	227202	226113	225972	226721	228183	229054	228296	228344	229094	230552
15.0	200012	199520	200230	202014	203797	202431	202194	202853	204521	205348
17.5	170424	170543	172248	175442	174685	173979	174651	175964	176157	176881
20.0	139636	140529	143227	145748	143574	143074	144267	145988	147822	149519
22.5	109229	110743	114282	114365	112398	112538	114805	117332	120410	118748
25.0	79128	81308	85698	83958	82269	84018	88125	92043	89643	87469
27.5	55889	58148	61701	59373	58174	61201	65488	65071	62564	60574
30.0	38448	40515	42433	40398	40899	44111	45314	43339	41677	45755
32.5	25879	27728	28586	27270	28569	31347	29868	27406	30945	34241
35.0	18161	19419	19575	18804	20460	20998	19430	20342	22979	24073
37.5	13409	14322	14120	13935	15069	14485	13984	15503	16446	15893
40.0	10199	10957	10574	10685	11142	10411	10969	11791	11478	10954
42.5	7860	8467	8075	8381	8310	8083	8807	8673	8333	8965
45.0	6187	6698	6285	6693	6345	6562	6819	6438	6896	7314
47.5	5052	5368	5145	5388	5086	5472	5317	5391	5772	5675
50.0	4280	4478	4369	4422	4372	4500	4377	4636	4646	4385
52.5	3711	3843	3811	3745	3839	3775	3775	3923	3764	3909
55.0	3253	3349	3367	3245	3358	3280	3396	3307	3366	3475
57.5	2860	2929	2974	2882	2891	2925	2901	2913	3003	2989
60.0	2499	2547	2558	2559	2490	2549	2493	2595	2576	2574
62.5	2163	2191	2172	2202	2186	2135	2205	2207	2207	2269
65.0	1859	1883	1831	1833	1868	1835	1878	1863	1929	1942
67.5	1586	1624	1588	1555	1511	1586	1548	1616	1620	1597
70.0	1341	1393	1357	1321	1289	1276	1328	1330	1318	1359
72.5	1122	1172	1059	1015	1046	1062	1068	1070	1111	1129
75.0	922.3	912.5	850.8	833.2	815.9	835.2	840.4	883.0	882.7	877.6
77.5	739.3	698.7	624.0	598.9	628.2	632.2	661.0	655.9	665.4	687.4
80.0	576.0	529.0	451.5	444.2	444.7	461.6	459.2	484.8	504.4	511.5
82.5	435.9	306.0	243.0	263.6	281.7	303.1	322.4	325.4	326.5	323.8
85.0	323.2	130.6	120.0	134.6	168.1	169.2	163.7	152.5	138.3	120.2
87.5	241.4	45.33	54.63	51.51	39.96	22.48	0	0	0	0
90.0	228.4	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	289435	289435	289435	289435	289435	289435	289435	289435	289435	289435
2.5	282997	282707	282470	282286	282085	281908	281786	281721	281714	281664
5.0	275421	275216	274941	274779	274564	274394	274261	274070	273994	273790
7.5	264947	264831	264917	265200	265460	265839	265997	266155	266316	266217
10.0	250469	251225	252153	253105	254471	255960	257224	258054	258638	258785
12.5	232523	233441	233060	232593	232257	232405	232578	232585	232674	232797
15.0	205974	206481	206823	207000	206953	207109	207125	206909	206710	206309
17.5	178343	179926	180317	179765	179540	179605	180097	180287	180625	180632
20.0	149589	149058	149173	149488	150186	151290	152429	153529	154540	155149
22.5	117327	116818	117515	120396	123007	124945	126230	126993	127496	127769
25.0	85865	89370	93602	97002	99009	100146	100604	100584	100452	100222
27.5	65205	69662	73065	75024	74876	74308	73776	73353	73289	73425
30.0	49602	52387	52399	51435	49981	48247	46936	46138	46127	46793
32.5	35634	34830	32978	29812	32378	34528	36077	37032	37438	37303
35.0	23132	20445	21986	24085	25946	27395	28303	28704	28749	28497
37.5	14600	16030	17542	18998	19741	20100	20165	20093	20039	20023
40.0	11844	12835	13404	13614	13365	12782	12061	11496	11330	11608
42.5	9564	9636	9405	8737	8780	9129	9398	9568	9645	9618
45.0	7214	6821	6792	7190	7506	7728	7878	7949	7960	7918
47.5	5272	5550	5867	6128	6251	6288	6293	6282	6273	6270
50.0	4609	4838	4975	4998	4943	4829	4709	4616	4586	4631
52.5	4071	4105	4062	3924	3938	4007	4065	4099	4111	4103
55.0	3474	3411	3407	3472	3530	3580	3616	3634	3635	3624
57.5	2950	3002	3046	3092	3116	3136	3150	3157	3159	3157
60.0	2622	2663	2668	2675	2680	2683	2681	2680	2684	2691
62.5	2291	2283	2272	2269	2303	2331	2349	2360	2365	2365
65.0	1927	1921	1957	1990	2014	2032	2042	2046	2046	2044
67.5	1631	1667	1693	1710	1717	1723	1726	1727	1727	1728
70.0	1394	1407	1410	1411	1410	1410	1410	1408	1408	1412
72.5	1131	1129	1124	1143	1159	1172	1181	1186	1186	1187
75.0	886.5	909.0	926.9	940.6	951.5	959.2	964.3	966.3	964.9	965.2
77.5	705.8	721.2	729.2	734.4	738.8	741.4	743.3	744.5	743.4	744.8
80.0	515.9	519.7	522.0	522.8	523.3	522.4	521.9	522.7	522.0	524.5
82.5	319.3	310.7	300.7	290.3	280.8	272.2	265.9	262.6	261.0	263.6
85.0	101.2	82.15	63.25	45.60	30.08	17.28	7.804	1.974	0	1.981

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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	0
90.0	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	289435	289435	289435	289435	289435	289435	289435	289435	289435	289435	
2.5	281674	281745	281879	282050	282225	282466	282772	283142	283573	284040	
5.0	273709	273594	273548	273587	273624	273838	274099	274475	275050	275754	
7.5	266073	265852	265409	264982	264440	263880	263349	262788	262565	263108	
10.0	258549	257970	257109	256036	254811	253281	251660	250091	248449	247098	
12.5	233051	233519	234309	235469	236976	238837	238182	235108	232137	229345	
15.0	206004	205920	206097	206390	207019	208209	210130	212733	214085	209479	
17.5	180546	180060	179416	178232	176876	176843	177908	179653	182374	186296	
20.0	155346	155125	154381	153005	151219	149093	146640	146125	148489	151940	
22.5	127868	127935	127854	127410	126432	123703	120446	117300	115139	118315	
25.0	100056	100015	99884	99685	99247	97950	95422	92484	89610	86591	
27.5	73761	74057	73964	73414	72974	72324	71482	70125	67234	64163	
30.0	48081	49522	50919	51807	51555	50544	50481	49985	48937	46574	
32.5	36715	35636	34072	32164	34110	34890	34407	34053	34061	33095	
35.0	28009	27266	26236	24900	23318	22059	23356	23274	22861	23067	
37.5	19975	19747	19201	18332	17533	16595	15639	16156	15984	15685	
40.0	12225	12905	13349	13358	12922	12375	12043	11621	11660	11267	
42.5	9513	9332	9079	9081	9473	9411	9082	9047	8864	8717	
45.0	7843	7730	7573	7384	7106	7079	7145	6984	6997	6874	
47.5	6269	6245	6174	6059	5928	5749	5567	5655	5517	5543	
50.0	4735	4853	4946	4967	4907	4805	4721	4619	4629	4529	
52.5	4077	4036	3985	3979	4080	4077	3996	3979	3955	3888	
55.0	3601	3570	3533	3492	3457	3468	3479	3421	3425	3431	
57.5	3148	3129	3100	3063	3045	3032	3025	3014	2956	2993	
60.0	2701	2707	2704	2688	2665	2639	2639	2642	2614	2560	
62.5	2361	2353	2342	2327	2320	2306	2282	2273	2279	2243	
65.0	2040	2033	2025	2014	2001	1988	1978	1950	1929	1940	
67.5	1728	1725	1718	1708	1697	1684	1684	1672	1644	1616	
70.0	1418	1423	1425	1425	1420	1411	1397	1394	1394	1364	
72.5	1186	1181	1173	1163	1152	1155	1148	1134	1128	1132	
75.0	963.4	959.0	953.4	946.3	938.5	929.3	917.1	909.6	900.1	880.2	
77.5	745.1	743.2	740.6	735.7	729.1	719.9	711.8	703.6	696.1	686.2	
80.0	527.3	529.2	531.7	532.4	531.5	528.2	521.2	510.7	501.3	497.0	
82.5	268.9	276.3	286.8	298.5	311.4	324.4	335.9	335.8	331.7	324.8	
85.0	7.890	17.55	30.73	46.91	65.53	85.80	106.5	125.8	144.1	159.4	
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	289435	289435	289435	289435	289435	289435	289435	289435	289435	289435	
2.5	284532	285082	285683	286330	287015	287731	288470	289271	289957	290644	
5.0	276548	277541	278718	280061	281551	283164	284875	283087	281399	279837	
7.5	263910	265178	266844	268782	271118	273806	276793	273669	270846	268381	
10.0	245921	247110	248868	251380	254595	258454	262887	258254	254194	250776	
12.5	226794	224672	225442	228414	232296	237193	243020	236956	231826	227720	
15.0	205333	201747	198935	201033	205463	211244	218328	210991	204946	200233	
17.5	182598	177113	172531	170652	175392	181731	189667	181411	174770	169759	
20.0	156296	151818	145896	141133	144323	151332	160327	150919	143497	139897	
22.5	122216	126261	118335	112085	111929	119178	128542	118808	111185	110903	
25.0	89900	93379	91849	85068	81845	88542	97313	88341	81365	84007	
27.5	62392	65456	68587	62366	57669	62769	70008	62574	57275	61819	
30.0	43706	44104	46682	44734	40511	43092	48884	43018	40278	44157	
32.5	31158	28772	30923	31466	28028	29174	33460	29146	27953	31282	
35.0	22048	20341	20456	21829	19668	19819	22898	19862	19699	21765	
37.5	15785	14987	14025	15090	14395	14125	16024	14144	14460	15205	
40.0	11478	11566	10689	11158	11123	10492	11839	10525	11175	11206	
42.5	8472	8881	8444	8319	8647	8044	9102	8065	8704	8373	
45.0	6681	6787	6818	6379	6887	6270	7073	6285	6928	6412	
47.5	5456	5290	5559	5182	5476	5128	5655	5144	5506	5209	
50.0	4570	4446	4527	4426	4493	4346	4671	4357	4516	4450	
52.5	3867	3875	3795	3878	3814	3771	3996	3781	3830	3897	
55.0	3328	3391	3299	3439	3289	3321	3476	3328	3298	3450	
57.5	2977	2920	2948	2958	2864	2936	3051	2940	2866	2960	
60.0	2631	2544	2604	2522	2539	2584	2668	2585	2537	2516	
62.5	2221	2262	2198	2178	2239	2253	2303	2253	2235	2167	
65.0	1898	1919	1868	1910	1945	1919	1965	1918	1939	1896	
67.5	1634	1576	1640	1593	1584	1585	1657	1584	1577	1579	
70.0	1334	1347	1323	1282	1273	1284	1376	1281	1263	1267	
72.5	1106	1084	1073	1104	1084	1022	1121	1016	1072	1087	
75.0	890.7	868.1	859.1	828.8	831.0	846.0	886.8	840.2	819.8	813.4	
77.5	665.9	667.6	645.8	655.4	639.7	648.9	676.4	643.4	629.2	638.9	

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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	490.6	470.4	466.0	430.5	403.4	412.4	482.5	416.7	413.7	420.8
82.5	313.7	308.5	297.7	273.3	240.8	222.8	310.2	254.9	264.2	269.6
85.0	170.7	166.6	154.4	141.6	114.5	83.77	166.5	115.1	131.1	137.6
87.5	0	23.06	40.91	51.77	39.19	31.41	60.22	41.12	42.19	45.98
90.0	0	0	0	0	0	0	7.778	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	289435	289435	289435	289435	289435	289435	289435	289435	289435	289435
2.5	285570	284944	284370	283857	283369	282921	282536	282217	281965	281782
5.0	278426	277186	276137	275295	274550	273943	273544	273268	273044	273003
7.5	266324	264543	263168	262270	261653	261838	262383	262914	263489	264056
10.0	248061	246098	244759	245846	247119	248691	250223	251847	253416	254707
12.5	224529	223539	225404	227671	230275	233175	236237	236768	234782	233193
15.0	197819	200351	203706	207640	211941	210143	207211	205100	203719	202904
17.5	171407	175687	180725	184050	179748	176583	174335	172804	172539	173692
20.0	144352	150089	154436	149709	145708	142641	142464	144341	146026	147496
22.5	116584	123966	119863	115809	112298	113811	115879	118224	120358	121475
25.0	90244	91512	87841	84201	86659	88888	90820	92757	94034	94664
27.5	67621	64160	60830	62185	64608	66809	68045	68674	69073	69428
30.0	45947	43379	42758	45033	46886	47813	48228	48166	48855	48859
32.5	30640	28410	30432	31949	32850	32836	33095	33384	32370	30240
35.0	20401	20248	21707	22515	22268	22656	22709	21298	22286	23618
37.5	14104	15003	15723	15534	15763	15921	15424	16222	16965	17610
40.0	10731	11604	11493	11255	11614	11581	11954	12218	12673	13030
42.5	8483	8913	8491	8712	8858	9042	9062	9349	9403	9046
45.0	6840	6806	6695	6865	6993	6990	7149	7066	7107	7385
47.5	5581	5308	5467	5546	5520	5668	5579	5754	5926	6068
50.0	4548	4462	4582	4538	4638	4638	4731	4812	4911	4980
52.5	3809	3886	3876	3898	3966	3987	4000	4082	4090	3995
55.0	3305	3394	3329	3438	3424	3414	3474	3470	3460	3490
57.5	2945	2915	2970	2987	2942	2997	3010	3019	3027	3042
60.0	2594	2530	2615	2541	2587	2613	2610	2607	2629	2649
62.5	2182	2244	2199	2216	2244	2234	2239	2259	2267	2270
65.0	1850	1898	1873	1906	1889	1904	1926	1931	1941	1954
67.5	1620	1553	1605	1580	1601	1621	1629	1633	1635	1644
70.0	1303	1324	1302	1325	1347	1343	1341	1350	1356	1358
72.5	1053	1056	1071	1090	1081	1082	1091	1093	1087	1095
75.0	838.4	837.2	853.2	837.6	851.1	856.5	860.1	867.8	874.3	879.5
77.5	621.9	636.6	628.6	641.2	647.2	652.9	657.1	660.6	666.0	669.9
80.0	442.0	440.3	453.4	456.6	457.9	463.0	467.6	469.4	469.2	466.9
82.5	272.9	281.4	282.9	290.5	292.4	289.9	285.3	276.1	266.2	255.9
85.0	138.1	144.2	143.9	136.8	123.5	107.3	90.49	73.01	56.01	40.22
87.5	34.68	19.26	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	289435	289435	289435	289435	289435	289435	289435	289435	289435	289435
2.5	281605	281468	281395	281386	281439	281450	281521	281650	281837	282049
5.0	272963	273012	273134	273224	273442	273533	273741	273892	274082	274318
7.5	264507	264977	265222	265390	265516	265377	265239	265097	264763	264562
10.0	255851	256776	257408	257693	257589	257038	256215	255028	253690	252407
12.5	232002	231192	230693	230439	230367	230361	230452	230478	230585	230863
15.0	202520	202338	202388	202671	203145	203472	203811	203997	204122	204141
17.5	174692	175313	175727	175786	175885	175680	175601	175421	175631	175895
20.0	148603	149292	149366	149088	148624	147742	146798	146082	145207	144600
22.5	122068	122363	122474	122407	122291	121891	121154	120012	117913	115071
25.0	95048	95259	95438	95637	95958	96231	96278	95949	94728	92679
27.5	70055	70169	69916	69627	69584	69800	70272	70988	71503	71661
30.0	47939	46514	45026	43773	43211	43391	44271	45856	47626	49233
32.5	31969	33403	34450	35042	35249	34971	34109	32839	30886	28673
35.0	24812	25776	26511	26997	27288	27323	26962	26230	24920	23320
37.5	18395	18928	19188	19274	19330	19421	19486	19476	19144	18528
40.0	13050	12690	12127	11609	11371	11529	12038	12687	13199	13445
42.5	9100	9346	9533	9649	9684	9625	9477	9224	8872	8808
45.0	7589	7747	7864	7947	7997	7998	7944	7808	7584	7275
47.5	6184	6265	6293	6300	6310	6326	6348	6353	6317	6200
50.0	4958	4875	4761	4663	4623	4657	4753	4879	4995	5055
52.5	3995	4046	4088	4115	4126	4118	4088	4036	3975	3964
55.0	3525	3561	3593	3615	3629	3631	3617	3587	3545	3491
57.5	3075	3102	3120	3129	3133	3133	3129	3121	3108	3091
60.0	2661	2662	2654	2643	2636	2634	2639	2645	2650	2653
62.5	2286	2298	2306	2310	2311	2307	2298	2282	2258	2228
65.0	1964	1973	1979	1983	1985	1986	1985	1977	1962	1943
67.5	1653	1659	1661	1661	1660	1661	1663	1662	1661	1659
70.0	1356	1352	1345	1338	1334	1336	1340	1344	1350	1357

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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	1103	1109	1113	1114	1113	1114	1111	1105	1096	1086
75.0	884.5	888.3	891.1	892.5	892.2	894.2	894.3	892.0	888.1	883.0
77.5	672.3	672.9	673.2	672.7	671.4	673.1	673.9	674.7	675.4	676.5
80.0	463.8	459.3	455.9	452.9	450.6	451.9	453.3	456.4	460.3	465.1
82.5	246.4	237.7	231.5	227.4	225.3	226.8	230.1	235.8	243.4	252.6
85.0	26.40	15.10	6.795	1.709	0	1.705	6.752	14.97	26.08	39.69
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	289435	289435	289435	289435	289435	289435	289435	289435	289435	289435
2.5	282244	282495	282800	283156	283560	283983	284406	284878	285396	285955
5.0	274498	274796	275036	275299	275693	276137	276585	277173	277900	278763
7.5	264365	264324	264491	264824	265177	265126	265071	265273	265699	266250
10.0	251294	250147	249321	248907	248729	249100	249907	249293	248708	248611
12.5	231183	231681	230886	229003	227681	227091	227219	228149	227464	226188
15.0	204030	203861	203615	203389	202951	201481	201014	201441	202998	201412
17.5	176599	176450	175373	174484	174199	174400	173351	172926	173844	174817
20.0	144638	145188	146331	146691	145455	144213	142935	141957	142683	145071
22.5	112731	112688	113657	115772	118137	115646	113419	111375	111480	113687
25.0	89640	85269	82457	85112	87749	90408	86821	83078	81677	83566
27.5	69946	66638	62924	58504	60935	63804	64543	60683	57877	59171
30.0	50224	50375	48080	44383	40583	42575	44796	43776	40720	40325
32.5	31862	33902	34753	33469	30375	26959	29620	31201	28594	27358
35.0	21507	20282	22883	23787	22734	20214	19476	21103	20583	18950
37.5	17287	16025	14726	15945	16433	15565	14129	14649	15240	14102
40.0	13322	12886	11984	11137	11593	11935	11134	10579	11134	10835
42.5	9449	9725	9698	9113	8475	8802	8949	8249	8453	8497
45.0	6873	6918	7325	7435	7010	6546	6945	6684	6443	6781
47.5	5937	5631	5358	5767	5863	5481	5408	5561	5152	5449
50.0	5032	4903	4679	4450	4716	4709	4443	4564	4426	4467
52.5	4105	4152	4123	3958	3814	3975	3906	3825	3881	3772
55.0	3433	3440	3504	3508	3400	3342	3436	3317	3388	3261
57.5	3053	3013	2961	3004	3023	2936	2925	2951	2910	2893
60.0	2656	2659	2620	2574	2581	2608	2506	2566	2501	2564
62.5	2241	2263	2277	2259	2202	2211	2212	2144	2193	2202
65.0	1917	1887	1901	1924	1919	1861	1883	1842	1842	1828
67.5	1648	1629	1599	1573	1605	1609	1550	1591	1514	1547
70.0	1362	1365	1359	1331	1299	1319	1323	1278	1289	1316
72.5	1073	1086	1094	1098	1088	1054	1058	1060	1046	1007
75.0	875.0	863.4	847.8	844.1	855.9	863.0	826.8	829.9	815.0	829.0
77.5	676.2	673.9	665.1	652.1	635.9	633.9	645.2	623.9	625.6	597.8
80.0	468.9	472.2	474.0	474.6	473.2	461.1	441.8	450.0	439.6	448.1
82.5	261.9	271.3	278.9	286.5	295.0	300.7	302.8	289.1	277.1	277.9
85.0	55.11	71.73	88.43	104.9	121.0	134.3	143.5	153.6	160.7	143.3
87.5	0	0	0	0	0	0	0	19.71	36.46	47.90
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	289435	289435								
2.5	286552	287182								
5.0	279757	280878								
7.5	267126	268338								
10.0	249038	250027								
12.5	225617	225935								
15.0	199828	199320								
17.5	171837	170338								
20.0	142778	140306								
22.5	113824	110521								
25.0	85432	81193								
27.5	61562	58083								
30.0	42386	40494								
32.5	28648	27759								
35.0	19681	19472								
37.5	14243	14385								
40.0	10678	11011								
42.5	8161	8511								
45.0	6348	6732								
47.5	5192	5394								
50.0	4402	4496								
52.5	3831	3854								
55.0	3380	3354								
57.5	2980	2929								
60.0	2554	2541								
62.5	2160	2180								

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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	1811	1867
67.5	1566	1602
70.0	1331	1363
72.5	1031	1136
75.0	827.8	870.3
77.5	607.3	651.0
80.0	448.4	486.1
82.5	273.3	300.5
85.0	144.3	156.4
87.5	56.32	49.43
90.0	0	0

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:2023-9-25

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 : 150198 lm

LOR : 100.0%

AVAILABILITY FLUX : 131424 lm

AVAILABILITY : 87.5%

