

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	593.9 cd per klm.
(Luminaire orientation as tested.)	15.0 degrees vertical
	-5.0 degrees horizontal

Beam Spread	At 10% of I <sub>max</sub>	122.9V x 121.3H
	At 50% of I <sub>max</sub>	81.4V x 80.7H
	At 90% of I <sub>max</sub>	61.8V x 63.1H

Beam Flux	Total	999.2 lumens per klm.
	To 10% of I <sub>max</sub>	940.7 lumens per klm.
	To 50% of I <sub>max</sub>	694.1 lumens per klm.
	To 90% of I <sub>max</sub>	350.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

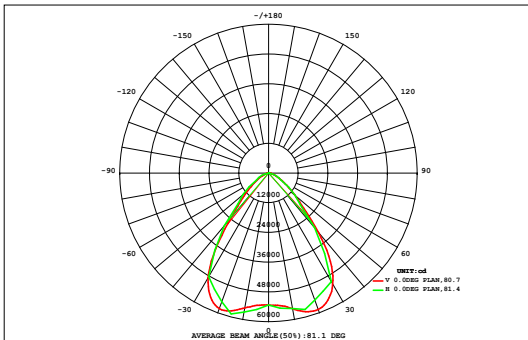
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:276.59V I:2.1796A P:602.85W PF:0.9653 Freq:49.98Hz		
Lamp Flux:99196.8x1 lm		
NAME: ASD-UHB2-HE-600D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:164.55lm/W	
MOD:ASD-UHB2-HE-600D50-BK		Imax (cd)	58918
NOMINAL POWER (W)	600	AVAILABILITY (%)	94.2
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	93401
NOMINAL FLUX (lm)	99196.8	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	99197
TEST VOLTAGE (V)	277	θ @50% (H, V)	81,81DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
80	0.03	0.30	2.46	6.77	13.1	19.9	26.2	32.0	35.3	35.3	33.1	28.1	21.5	14.8	8.15	3.12	0.55	0.04	281	0.00	
70	0.10	2.45	10.4	23.8	44.1	70.4	93.7	119	134	132	123	97.7	70.2	46.9	25.1	10.8	2.71	0.15	1007	0.00	
60	0.22	4.63	17.5	40.1	76.5	128	182	239	272	272	248	191	132	83.1	42.5	18.1	4.75	0.29	1952	1328	
50	0.47	7.04	25.3	61.9	123	218	336	447	516	521	458	349	229	133	63.5	25.7	7.07	0.49	3523	3221	
40	0.69	8.91	33.4	88.2	189	362	646	958	1128	1138	997	706	400	206	92.1	35.2	9.16	0.72	6998	6784	
30	0.90	10.6	41.0	113	258	541	1001	1413	1604	1603	1421	1041	602	280	120	43.5	10.9	0.91	10104	9938	
	1.07	11.8	46.9	136	333	792	1377	1693	1788	1778	1676	1405	866	358	145	50.5	12.2	1.05	12473	12328	
	1.15	12.3	48.7	144	371	910	1464	1706	1703	1674	1656	1494	976	406	154	51.2	12.5	1.11	12786	12643	
	1.18	12.5	49.5	148	387	940	1481	1696	1665	1636	1672	1542	1016	408	153	50.5	12.4	1.10	12871	12725	
	1.15	12.2	48.6	140	344	818	1381	1677	1741	1726	1714	1472	878	345	138	46.6	11.6	1.03	12496	12346	
	1.02	11.0	42.5	117	271	592	1019	1389	1565	1594	1477	1108	583	264	114	40.8	10.3	0.87	10200	10027	
-30	0.86	9.56	35.4	91.3	198	377	686	1034	1233	1258	1087	713	358	190	89.7	33.8	8.83	0.68	7405	7185	
-40	0.66	7.79	27.0	65.0	134	237	368	480	544	539	457	326	212	121	60.0	24.6	6.86	0.46	3609	3259	
-50	0.46	5.60	19.5	44.3	86.0	143	209	273	304	301	263	197	134	79.0	40.8	17.7	4.72	0.29	2121	1616	
-60	0.25	3.45	12.2	25.9	46.7	69.5	93.2	117	121	122	110	85.5	66.3	42.8	23.6	10.8	2.65	0.17	953	0.00	
-70	0.13	1.48	5.44	12.6	22.6	32.3	42.8	49.6	51.2	51.6	46.1	38.6	29.8	19.7	10.7	4.13	0.77	0.09	419	0.00	
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	10.3	122	466	1259	2897	6250	10406	13324	14405	14380	13437	10793	6574	2999	1280	467	118	9.45	99197	---	
Φ a	0.00	0.00	48.6	725	2490	5884	10029	12963	14063	14023	13088	10466	6221	2580	763	57.9	0.00	0.00	---	93401	

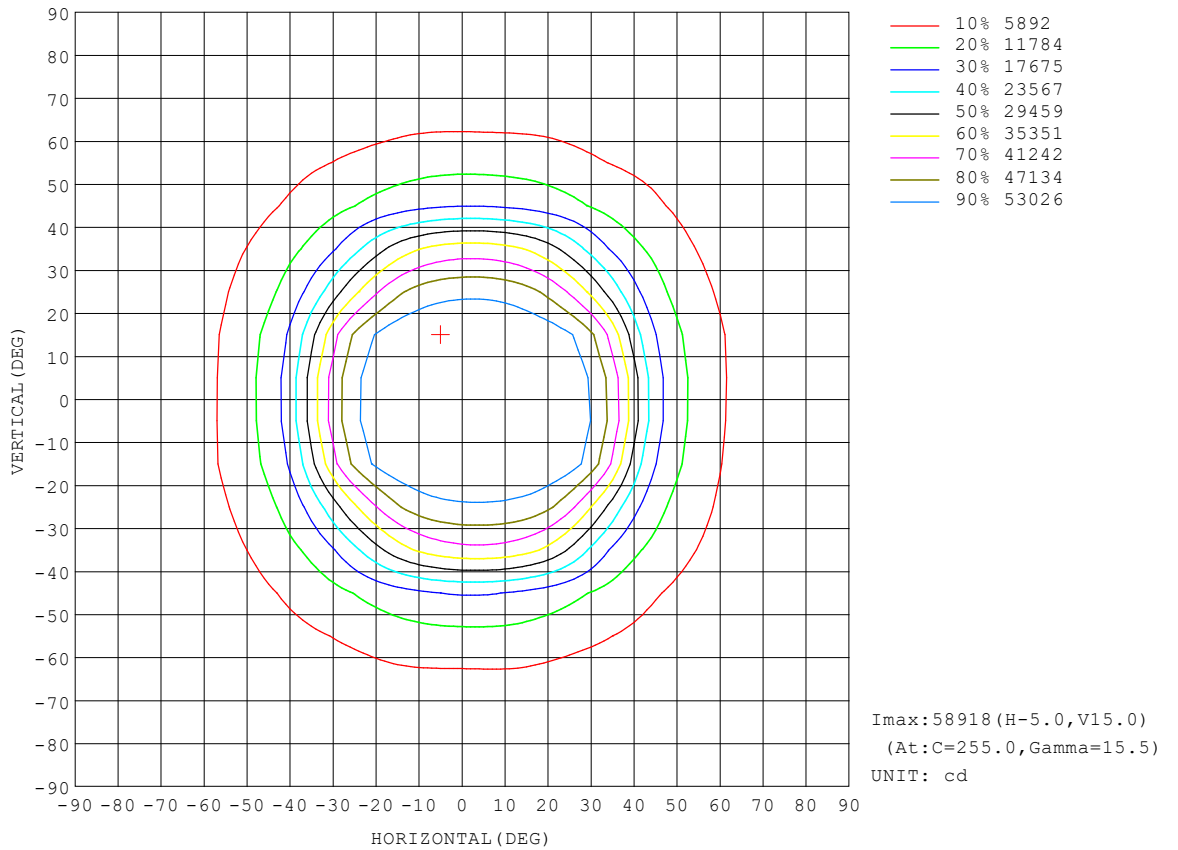
one-half-peak spread: U:26.1,D:25.6 , L:23.0,R:19.9 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:276.59V I:2.1796A P:602.85W PF:0.9653 Freq:49.98Hz		
Lamp Flux:99196.8x1 lm		
NAME: ASD-UHB2-HE-600D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		

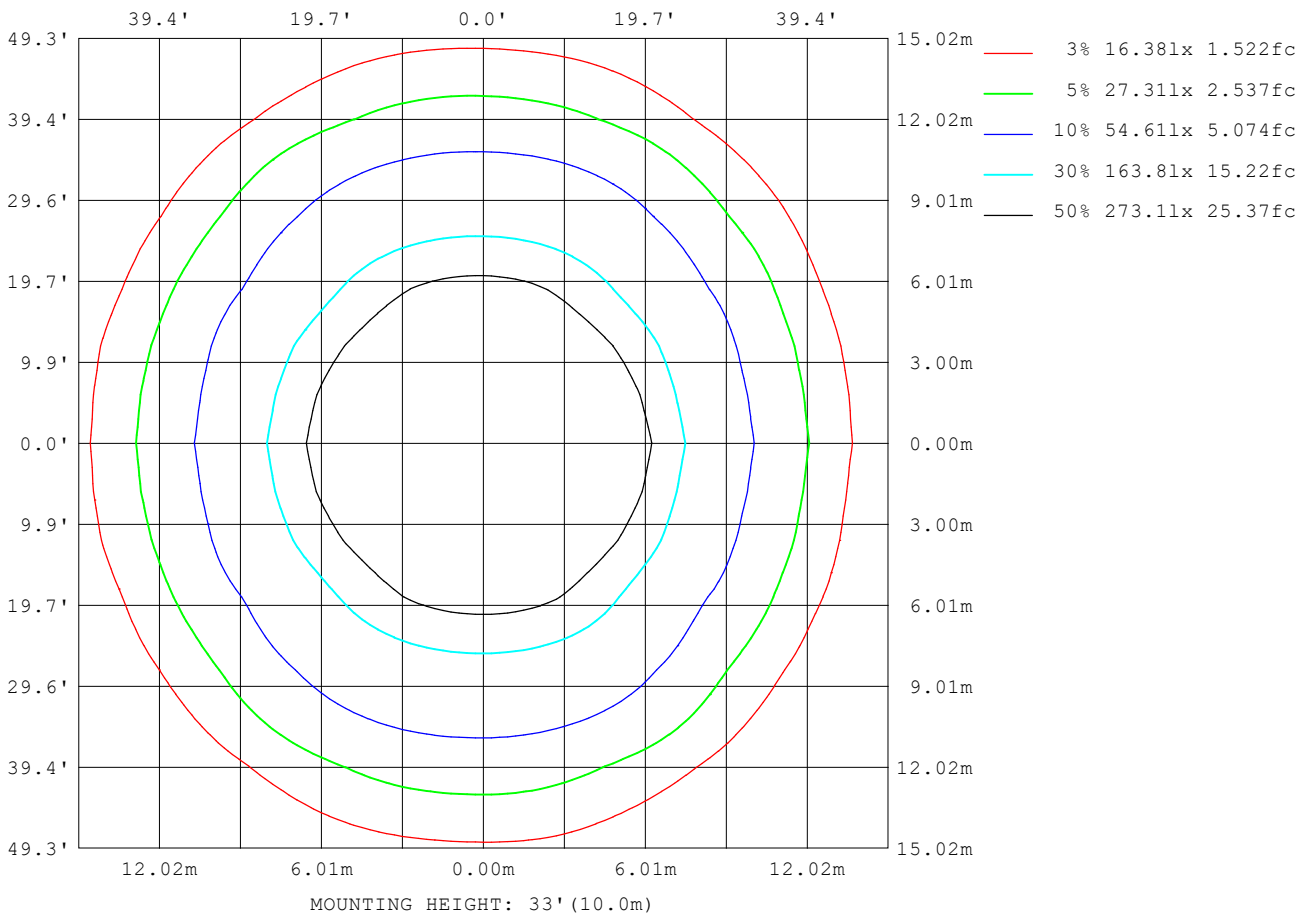


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.850m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

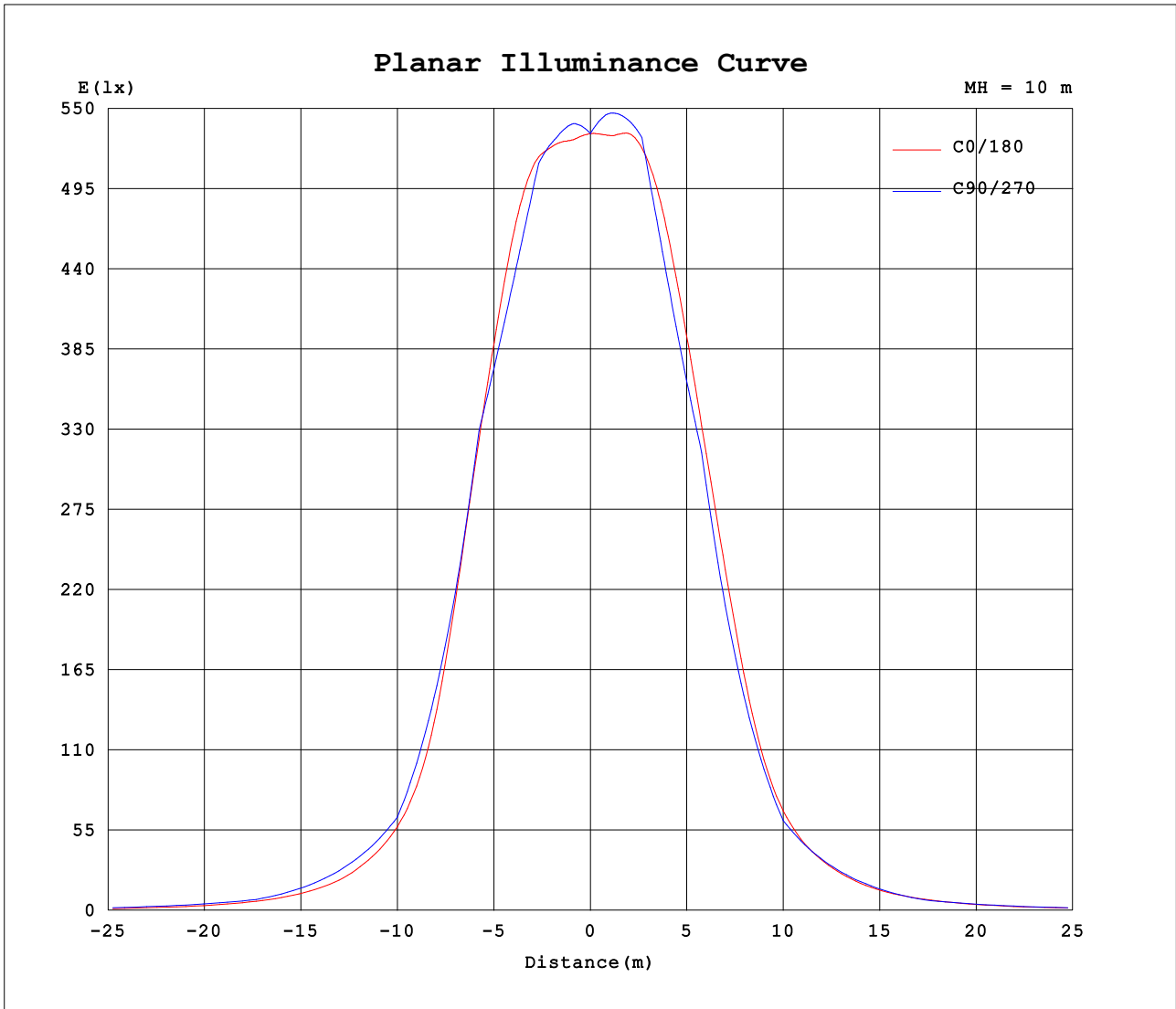
<b>Test:U:276.59V I:2.1796A P:602.85W PF:0.9653 Freq:49.98Hz</b> <b>Lamp Flux:99196.8x1 lm</b>		
<b>NAME: ASD-UHB2-HE-600D50-BK</b>	<b>TYPE:</b>	
<b>MFR.: ASD LIGHTING CORP</b>		



**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:27 July 2023**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446**  
**Humidity:65.0%**  
**Test Distance:7.850m [K=1.0000]**  
**Remarks:**

**Planar Illuminance Curve**

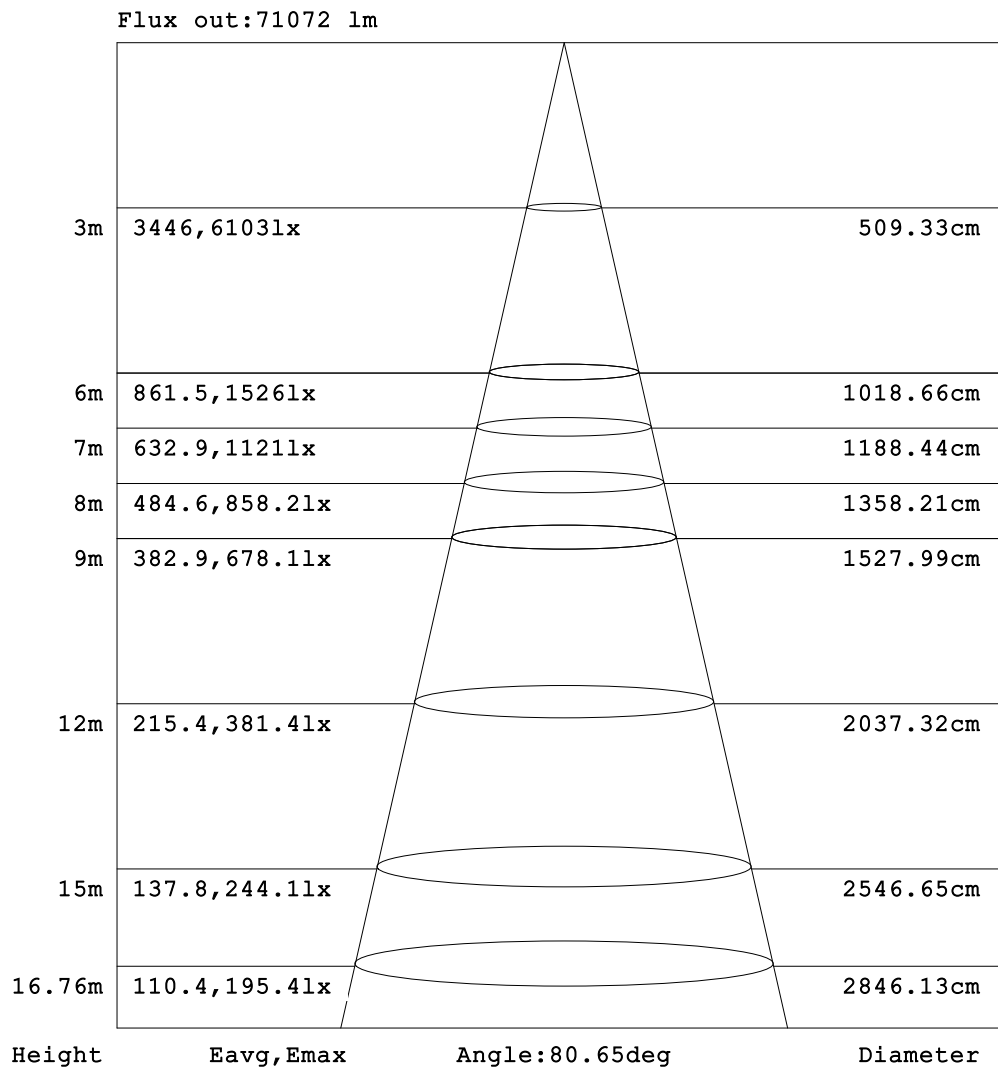


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

**AAI Figure**

Test:U:276.59V I:2.1796A P:602.85W PF:0.9653 Freq:49.98Hz		
Lamp Flux:99196.8x1 lm		
NAME: ASD-UHB2-HE-600D50-BK	TYPE:	
MFR.: ASD LIGHTING CORP		



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:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [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	53278	53278	53278	53278	53278	53278	53278	53278	53278	53278
2.5	53282	53330	53378	53424	53470	53514	53556	53597	53638	53679
5.0	53480	53555	53627	53695	53759	53821	53880	53936	53998	54061
7.5	54138	54187	54221	54243	54259	54281	54308	54339	54385	54480
10.0	55033	55033	55008	54964	54905	54835	54791	54972	55130	55251
12.5	56075	56012	55912	55786	55650	55639	55860	56049	56201	56307
15.0	57343	57145	56906	56644	56470	56703	56938	57156	57351	57256
17.5	58142	57931	57683	57381	57361	57504	57727	57946	57907	57768
20.0	58260	58162	58043	57873	57734	57758	57938	58155	58277	58252
22.5	57520	57683	57868	57587	57204	57087	57637	58087	58420	57150
25.0	55787	56391	57059	56219	55459	55984	57036	57803	55939	54630
27.5	53235	54290	55298	53556	52545	54523	56207	54288	52363	51362
30.0	49688	51378	52017	49560	49919	52733	52331	49399	47965	48801
32.5	44801	47460	47393	43984	46748	50434	46206	43327	44691	45954
35.0	38606	42463	41170	37430	43074	43170	38846	39330	41173	40694
37.5	31514	36477	33781	32255	38979	34790	32721	35292	35100	33407
40.0	24926	30200	26383	27351	31037	26169	28419	30048	27331	27033
42.5	19935	24477	20270	23089	23193	21226	24804	22761	20865	24218
45.0	16277	19953	15854	19641	17256	18442	19456	16515	18719	21578
47.5	13649	16082	13630	16036	13630	16351	14765	14682	16910	16558
50.0	11365	13177	11890	12692	12142	12965	11850	13299	13093	12329
52.5	9227	10709	10330	9878	10830	9924	10654	10921	9967	10626
55.0	7594	8532	8957	7698	9112	8163	9375	8372	8676	9176
57.5	6253	6801	7690	6878	7066	7372	7111	6979	7515	7399
60.0	5087	5367	5963	6227	5590	6214	5529	6121	5943	5973
62.5	4120	4133	4480	5065	5033	4623	4877	4817	4784	5292
65.0	3303	3337	3382	3693	4201	3815	3951	3782	4245	4338
67.5	2643	2867	3053	3069	2919	3309	2959	3364	3352	3154
70.0	2076	2483	2668	2743	2533	2390	2642	2587	2433	2726
72.5	1611	2075	1766	1773	1989	2032	1997	1928	2166	2320
75.0	1243	1398	1488	1577	1479	1567	1496	1703	1698	1705
77.5	901.3	999.6	1062	1018	1187	1150	1224	1181	1210	1289
80.0	558.3	832.8	879.9	865.3	809.7	835.9	774.3	847.5	908.7	830.6
82.5	258.4	457.0	424.6	475.2	464.9	484.7	525.3	416.8	273.9	112.2
85.0	62.82	212.8	183.3	168.9	223.8	131.9	0	0	0	0
87.5	39.59	41.03	46.93	0	0	0	0	0	0	0
90.0	40.94	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	53278	53278	53278	53278	53278	53278	53278	53278	53278	53278
2.5	53717	53752	53785	53815	53845	53874	53898	53919	53934	53953
5.0	54123	54185	54249	54310	54372	54429	54484	54542	54591	54653
7.5	54582	54668	54741	54802	54856	54897	54940	54984	55030	55095
10.0	55346	55404	55430	55445	55448	55443	55437	55442	55469	55514
12.5	56367	56311	56172	56064	55999	55984	56012	56071	56164	56281
15.0	57058	56858	56679	56540	56456	56456	56546	56684	56860	57083
17.5	57559	57336	56982	56468	56089	55832	55688	55656	55726	55921
20.0	57609	56738	56093	55591	55223	54949	54742	54612	54592	54679
22.5	56123	55410	54934	54537	54209	53956	53758	53627	53564	53553
25.0	53812	53644	53494	53260	53050	52880	52744	52644	52536	52403
27.5	51664	51856	51895	51743	51562	51543	51591	51627	51592	51437
30.0	49451	49672	49274	49276	49552	49954	50355	50589	50648	50476
32.5	45772	45382	45674	46354	46308	46062	45719	45377	45135	45011
35.0	39905	40223	41345	41676	41488	41065	40534	40021	39621	39353
37.5	33726	35993	37089	37225	36384	35585	34975	34545	34292	34189
40.0	30203	32373	32198	31249	30387	29723	29291	29040	28963	29070
42.5	27204	26702	25930	24694	24341	23987	23681	23539	23622	23622
45.0	21259	20563	20447	20341	19875	19327	18795	18339	18115	18154
47.5	15813	16447	16515	15977	15857	16022	16127	16139	16111	16072
50.0	13187	13432	13373	13473	13614	13807	13986	14079	14108	14156
52.5	11127	11144	11160	11232	11592	11935	12111	12123	12086	12108
55.0	9148	9084	9348	9742	10087	10307	10312	10179	10065	10052
57.5	7350	7792	8107	8378	8431	8453	8370	8201	8073	8076
60.0	6465	6768	6651	6512	6435	6452	6400	6222	6081	6107
62.5	5507	5305	4974	4727	5016	5349	5484	5420	5335	5332
65.0	4168	3983	4067	4227	4482	4730	4761	4664	4590	4604
67.5	3350	3518	3582	3699	3838	3978	4000	3935	3874	3880
70.0	2966	2998	2959	2984	3058	3165	3230	3206	3157	3155
72.5	2352	2351	2314	2326	2381	2456	2493	2462	2424	2430
75.0	1755	1802	1794	1779	1788	1788	1762	1717	1690	1704
77.5	1333	1321	1215	1111	1035	969.4	912.6	866.4	845.2	859.8
80.0	698.1	555.0	418.5	298.5	198.0	114.3	51.31	12.73	0	12.64
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [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	53278	53278	53278	53278	53278	53278	53278	53278	53278	53278
2.5	53966	53974	53975	53972	53965	53951	53930	53901	53866	53827
5.0	54703	54752	54789	54815	54834	54834	54826	54805	54762	54702
7.5	55160	55229	55316	55412	55531	55665	55814	55970	56061	55989
10.0	55565	55635	55734	55863	56021	56208	56416	56637	56861	57072
12.5	56392	56494	56581	56645	56686	56721	56891	57164	57409	57617
15.0	57300	57485	57621	57693	57708	57694	57680	57702	57802	57958
17.5	56221	56630	57131	57676	58223	58272	58069	57960	57940	58013
20.0	54881	55209	55643	56135	56625	57058	57491	57629	57492	57525
22.5	53603	53735	53991	54402	54936	55284	55622	56012	56400	56280
25.0	52254	52113	52050	52093	52341	52850	53527	53755	53958	54147
27.5	51161	50757	50217	49485	49127	49236	49834	51070	51221	51171
30.0	50098	49516	48768	47844	46683	45273	45094	46035	47767	47891
32.5	45032	45227	45594	46143	44708	42941	40977	40266	41873	44400
35.0	39229	39299	39524	39890	40332	40478	38120	35950	35337	37799
37.5	34158	34123	33931	33541	33769	34073	34387	36226	30462	30739
40.0	29285	29481	29543	29247	28365	27554	27987	28403	26933	24827
42.5	23896	24340	24939	25398	24870	23708	22045	22605	23155	21534
45.0	18390	18825	19492	20297	21010	20894	19483	17662	18213	18760
47.5	15940	15650	15212	15124	16136	16945	17338	15719	14030	15012
50.0	14170	14045	13744	13291	12688	12721	13552	14010	12573	11824
52.5	12161	12176	12131	11995	11461	10800	10038	10878	11353	10221
55.0	10099	10122	10096	10025	9958	9745	9041	8321	8915	9229
57.5	8184	8276	8230	7993	7994	8055	8095	7531	6852	7471
60.0	6312	6574	6707	6597	6393	6266	6465	6618	6206	5551
62.5	5409	5488	5469	5291	5167	5127	5095	5190	5385	4957
65.0	4674	4702	4613	4419	4228	4134	4209	4155	4088	4312
67.5	3943	3974	3862	3616	3466	3442	3465	3475	3310	3190
70.0	3215	3281	3254	3095	2933	2844	2790	2788	2766	2600
72.5	2479	2548	2578	2529	2460	2389	2335	2199	2114	2140
75.0	1741	1797	1837	1840	1832	1850	1892	1854	1708	1546
77.5	900.7	965.1	1034	1100	1177	1266	1325	1360	1368	1301
80.0	50.65	113.8	197.7	295.4	405.3	528.9	661.3	782.7	875.8	899.8
82.5	0	0	0	0	0	0	0	105.7	257.9	385.8
85.0	0	0	0	0	0	0	0	0	0	0
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	53278	53278	53278	53278	53278	53278	53278	53278	53278	53278
2.5	53783	53733	53678	53617	53552	53484	53414	53506	53596	53683
5.0	54627	54531	54413	54276	54124	53958	53782	53987	54183	54366
7.5	55880	55735	55555	55353	55122	54863	54579	54885	55167	55423
10.0	57256	57086	56868	56640	56393	56122	55818	56131	56412	56672
12.5	57779	57902	57814	57637	57461	57279	57074	57277	57458	57637
15.0	58064	58132	58194	58123	58072	58046	58013	58024	58031	58068
17.5	58061	58042	57970	57912	58059	58300	58587	58255	57970	57784
20.0	57751	57650	57320	56921	57196	57830	58567	57765	57071	56748
22.5	56495	56974	56277	55506	55473	56535	57783	56461	55322	55291
25.0	54308	54878	54865	53655	52841	54434	56308	54371	52711	53424
27.5	51160	51771	53023	51316	49461	51457	54147	51394	49329	51086
30.0	47408	47561	49032	48494	45791	47493	51187	47438	45672	48281
32.5	43500	42014	43723	45134	41484	42457	47345	42379	41343	44936
35.0	39653	37342	37203	40582	36572	36399	42514	36338	36420	40360
37.5	33928	32940	29929	33637	31411	29721	36560	29720	31287	33418
40.0	26787	29055	24792	26545	26479	23489	30055	23542	26442	26510
42.5	20141	23352	21204	20381	22100	18549	24110	18589	22178	20509
45.0	16856	17702	18397	15831	18589	15004	19319	15035	18699	15944
47.5	14878	13355	15588	13457	15152	12875	15919	12911	15226	13551
50.0	12928	11678	12206	11882	12386	11021	13346	11044	12447	11966
52.5	10220	10564	9507	10506	9987	9324	11178	9331	10017	10578
55.0	8011	8866	7851	9157	7942	7942	9082	7923	7895	9228
57.5	7235	6789	7082	7112	6413	6818	7468	6770	6290	7156
60.0	6232	5528	6210	5422	5612	5874	6178	5802	5518	5418
62.5	4629	5017	4686	4523	4941	5044	5069	4975	4866	4531
65.0	3846	3976	3702	4135	4232	4102	4105	4042	4169	4161
67.5	3449	2941	3402	3241	3069	3127	3324	3084	3025	3237
70.0	2505	2689	2479	2263	2200	2312	2692	2280	2179	2238
72.5	2024	2020	1976	2132	2066	1690	2139	1666	2050	2106
75.0	1617	1582	1632	1477	1492	1529	1669	1505	1462	1424
77.5	1167	1231	1178	1293	1190	1213	1317	1188	1147	1228

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:



**Photometric Data Table [cd]**

80.0	922.3	858.1	870.1	760.5	714.0	708.0	987.3	683.4	664.6	680.5
82.5	478.6	547.8	576.5	511.8	484.6	389.8	659.5	386.7	439.1	436.5
85.0	0	122.3	189.8	261.8	197.2	64.29	324.3	68.98	165.1	201.9
87.5	0	0	0	0	29.14	30.14	80.55	23.24	16.95	0
90.0	0	0	0	0	0	0	12.37	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	53278	53278	53278	53278	53278	53278	53278	53278	53278	53278
2.5	53766	53843	53915	53980	54041	54097	54145	54185	54217	54242
5.0	54534	54686	54818	54929	55029	55113	55177	55228	55272	55296
7.5	55654	55867	56052	56206	56332	56328	56274	56228	56193	56171
10.0	56917	57156	57362	57279	57182	57084	57002	56940	56903	56890
12.5	57820	57935	57878	57804	57713	57615	57520	57495	57570	57662
15.0	58142	58122	58106	58070	58020	57995	58044	58157	58307	58469
17.5	57855	57968	58042	58039	57968	58023	58187	58450	58517	58145
20.0	57137	57482	57608	57351	57317	57489	57411	57023	56668	56324
22.5	56019	56689	56159	55909	55983	55669	55345	55040	54754	54295
25.0	54540	54493	53843	53607	53461	53299	53125	52426	51864	51582
27.5	52675	51378	50698	50623	50679	50541	49305	48642	48434	48680
30.0	48749	47200	46983	47365	47206	45470	44501	44577	45807	46786
32.5	43451	41730	43107	43900	41349	39725	40336	42141	43677	44885
35.0	36892	36992	39261	37383	34882	35437	37474	39631	39363	38854
37.5	29669	32623	33622	30408	30041	32119	33755	33413	33039	32720
40.0	24728	28784	26576	24569	26515	27929	27494	27041	27768	28504
42.5	21265	23226	20091	21326	22756	22202	21642	23253	24299	24703
45.0	18506	17747	16890	18637	18003	17384	19117	20459	20508	19728
47.5	15709	13417	14940	14995	13982	15470	17004	16593	15748	14689
50.0	12275	11712	12961	11805	12507	13760	13276	12451	12360	12858
52.5	9588	10577	10198	10167	11273	10724	9842	10542	11110	11530
55.0	7934	8891	7972	9128	8793	8207	8867	9500	9627	9593
57.5	7182	6851	7162	7328	6657	7428	7951	7884	7740	7618
60.0	6334	5593	6150	5400	6040	6528	6382	6178	6168	6193
62.5	4762	5055	4596	4814	5222	5070	5046	5054	4913	4840
65.0	3735	4020	3817	4181	3949	4036	4188	4084	4017	4073
67.5	3429	2961	3401	3103	3189	3381	3427	3403	3344	3359
70.0	2476	2691	2468	2517	2652	2672	2696	2783	2798	2835
72.5	1948	1985	1963	2043	2005	2074	2230	2297	2283	2279
75.0	1580	1518	1541	1448	1594	1725	1780	1736	1669	1634
77.5	1095	1150	1085	1192	1245	1228	1192	1129	1041	963.2
80.0	781.5	769.0	825.5	784.9	749.1	678.0	578.5	469.5	358.6	258.8
82.5	489.3	460.0	388.8	317.4	218.3	91.47	0	0	0	0
85.0	0	92.64	0	0	0	0	0	0	0	0
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	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	53278	53278	53278	53278	53278	53278	53278	53278	53278	53278
2.5	54260	54272	54276	54273	54261	54249	54229	54203	54169	54131
5.0	55312	55313	55300	55280	55244	55211	55164	55110	55046	54971
7.5	56163	56155	56148	56133	56105	56075	56029	55969	55892	55797
10.0	56899	56922	56948	56966	56967	56949	56914	56858	56778	56674
12.5	57745	57814	57866	57892	57893	57871	57824	57753	57660	57548
15.0	58619	58723	58794	58822	58820	58793	58731	58637	58518	58376
17.5	57801	57502	57278	57135	57074	57096	57199	57386	57671	58068
20.0	55995	55714	55506	55382	55329	55334	55406	55541	55738	56039
22.5	53930	53706	53593	53552	53569	53621	53702	53788	53863	53910
25.0	51491	51519	51608	51699	51810	51916	52010	52086	52123	52096
27.5	49262	49670	49914	50039	50087	50060	49996	49945	49969	50138
30.0	47511	48010	48286	48397	48364	48170	47862	47480	47134	46904
32.5	44249	43770	43414	43222	43190	43262	43400	43531	43539	43304
35.0	38411	38091	37922	37891	38015	38260	38589	38907	39117	39039
37.5	32990	33060	32985	32893	32878	33006	33299	33770	34420	35041
40.0	28669	28503	28208	27926	27740	27722	27880	28252	28808	29478
42.5	24164	23499	22995	22687	22589	22663	22890	23211	23511	23767
45.0	18888	18160	17672	17431	17437	17630	18024	18537	19088	19469
47.5	14722	15084	15324	15451	15493	15484	15465	15440	15407	15563
50.0	13259	13517	13634	13630	13548	13465	13395	13345	13288	13214
52.5	11651	11692	11704	11676	11626	11584	11558	11510	11345	11084
55.0	9618	9684	9717	9713	9703	9713	9784	9862	9837	9636
57.5	7766	7903	7901	7818	7746	7759	7891	8076	8240	8314
60.0	6276	6283	6135	5932	5789	5802	5978	6202	6391	6477
62.5	5050	5201	5227	5174	5100	5066	5103	5125	5030	4701
65.0	4218	4385	4465	4459	4412	4378	4412	4467	4439	4198
67.5	3512	3692	3759	3738	3691	3667	3700	3754	3769	3666
70.0	2952	3061	3065	3017	2971	2955	2984	3013	2994	2904

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

**Photometric Data Table [cd]**

72.5	2317	2351	2333	2295	2267	2261	2287	2317	2296	2212
75.0	1622	1615	1595	1572	1562	1568	1592	1639	1668	1659
77.5	903.3	860.3	821.9	792.3	781.1	790.6	822.8	881.4	949.4	1021
80.0	172.7	101.4	46.20	11.64	0	11.62	46.26	103.9	181.6	274.4
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
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	53278	53278	53278	53278	53278	53278	53278	53278	53278	53278
2.5	54090	54043	53990	53933	53871	53806	53739	53669	53595	53520
5.0	54889	54796	54698	54595	54485	54371	54258	54140	54017	53889
7.5	55684	55555	55409	55249	55088	54956	54835	54719	54608	54503
10.0	56545	56397	56225	56029	55819	55593	55366	55299	55261	55222
12.5	57420	57278	57092	56854	56605	56364	56141	55935	55891	55943
15.0	58209	58007	57766	57492	57202	56942	56730	56551	56399	56572
17.5	58593	58622	58280	57913	57569	57283	57073	56949	56930	57082
20.0	56459	57048	57840	58097	57656	57283	56931	56831	56991	57361
22.5	53995	54437	55137	56151	57423	56910	56348	55769	56153	56822
25.0	52012	51893	51988	52911	54336	56291	55441	54497	54239	55292
27.5	50057	49786	49476	49116	50286	52322	54248	52841	51191	52531
30.0	46874	47262	46985	46368	45772	47394	50332	50905	48466	48467
32.5	42710	42569	43106	43398	42494	41522	44424	48433	45183	42903
35.0	38409	37227	37289	38310	39054	37686	37397	41486	41469	36568
37.5	34614	33425	31493	31625	33501	33894	31697	33625	37433	31562
40.0	30172	30194	28355	25904	26576	29189	27773	25652	30107	26846
42.5	24458	25118	25623	23321	20825	22648	24533	21069	22841	22803
45.0	19532	19665	20349	20835	18724	16850	19486	18450	17257	19544
47.5	16026	15986	15470	16313	16929	14961	14958	16450	13698	16074
50.0	13169	13261	13019	12408	13297	13569	12078	13104	12217	12726
52.5	11032	11020	11002	10651	10217	11209	10881	10002	10896	9943
55.0	9248	8919	9010	9136	8882	8643	9597	8178	9111	7806
57.5	8030	7620	7242	7453	7736	7248	7241	7398	6987	6971
60.0	6555	6590	6309	6081	6193	6424	5610	6207	5470	6262
62.5	4808	5060	5305	5313	4959	5005	4994	4556	4935	5083
65.0	3888	3703	4021	4338	4374	3880	4010	3772	4121	3709
67.5	3446	3270	3217	3153	3430	3451	2939	3267	2892	3079
70.0	2807	2774	2798	2691	2472	2630	2638	2347	2502	2748
72.5	2137	2164	2223	2263	2163	1928	1981	1996	1960	1782
75.0	1643	1647	1653	1646	1670	1689	1465	1521	1442	1565
77.5	1103	1181	1211	1204	1151	1129	1179	1095	1137	990.0
80.0	379.5	494.7	621.2	744.7	817.5	769.5	703.8	770.8	750.3	821.0
82.5	0	0	0	100.6	244.3	364.7	444.1	410.7	400.5	420.0
85.0	0	0	0	0	0	0	0	105.7	162.8	121.9
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	350.0	355.0
0.0	53278	53278
2.5	53442	53362
5.0	53757	53621
7.5	54393	54273
10.0	55176	55115
12.5	56002	56053
15.0	56838	57105
17.5	57468	57819
20.0	57702	57986
22.5	57361	57424
25.0	56425	56072
27.5	54609	53943
30.0	51265	50997
32.5	46645	47058
35.0	40550	42088
37.5	33399	36203
40.0	26220	30042
42.5	20263	24418
45.0	15876	19961
47.5	13665	16095
50.0	11950	13209
52.5	10434	10781
55.0	9134	8659
57.5	7950	6962
60.0	6238	5528
62.5	4694	4288

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

**Photometric Data Table [cd]**

65.0	3531	3479
67.5	3164	3001
70.0	2756	2608
72.5	1815	2170
75.0	1514	1434
77.5	1059	1009
80.0	858.9	838.1
82.5	403.3	467.8
85.0	155.1	225.4
87.5	19.07	24.53
90.0	0	0

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:27 July 2023

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.850m [K=1.0000]  
Remarks:

50% Beam Angle : 81°-H X 81°-V

one-half-peak spread: U:26.1,D:25.6 , L:23.0,R:19.9

TOTAL FLUX : 99197 lm

LOR : 100.0%

AVAILABILITY FLUX : 93401 lm

AVAILABILITY : 94.2%

