

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

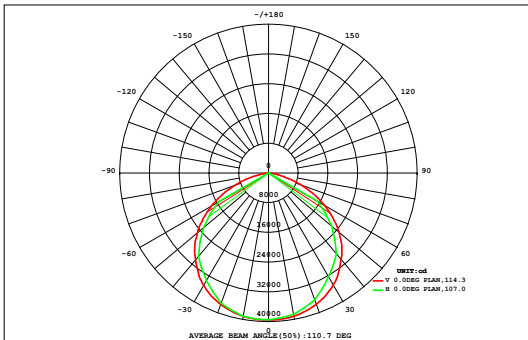
Maximum Intensity		388.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		1.0 degrees horizontal
Beam Spread	At 10% of Imax	127.1V x 153.7H
	At 50% of Imax	107.0V x 114.3H
	At 90% of Imax	46.5V x 55.7H
Beam Flux	Total	990.8 lumens per klm.
	To 10% of Imax	984.6 lumens per klm.
	To 50% of Imax	798.0 lumens per klm.
	To 90% of Imax	224.2 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.1 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-3-25

V(B) Range:-60 - 60DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.00V I:3.4874A P:755.31W PF:0.9886 Freq:49.99Hz Lamp Flux:99025x1 lm		
NAME: ASD-LMAL-HV-750D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:134.68lm/W	
MOB&D-LMAL-HV-750D50-MRN		Imax (cd)	39549
NOMINAL POWER (W)	750	AVAILABILITY (%)	99.6
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	99025
NOMINAL FLUX (lm)	99025	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	101724
TEST VOLTAGE (V)	277	θ @50% (H,V)	114,107DEG

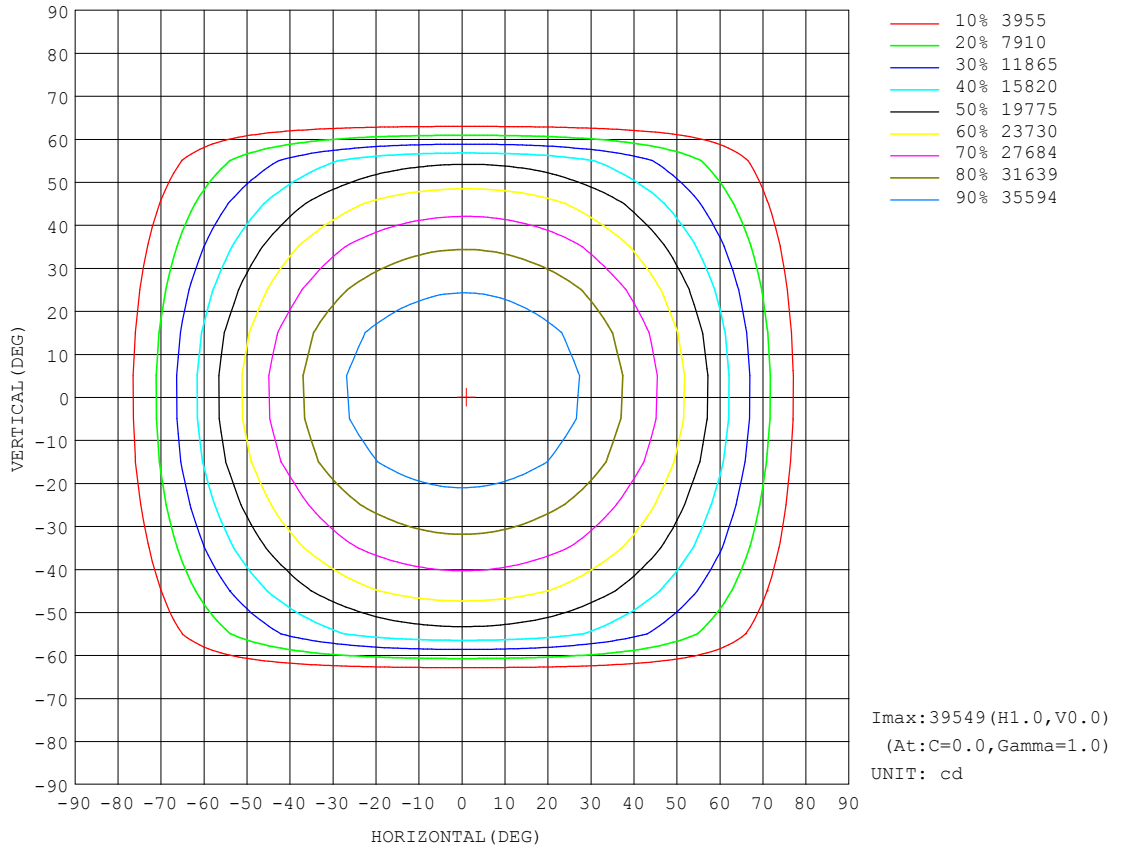
VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT: lm		Φ t	Φ a	
	0.00	0.01	0.03	0.06	0.10	0.16	0.23	0.30	0.38	0.45	0.51	0.54	0.54	0.50	0.44	0.34	0.21			0.07
90	0.00	0.01	0.03	0.06	0.10	0.16	0.23	0.30	0.38	0.45	0.51	0.54	0.54	0.50	0.44	0.34	0.21	0.07	4.88	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	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
60	0.48	11.9	58.5	148	270	404	526	617	664	667	624	536	417	283	160	65.7	14.2	0.62	5467	5416
50	0.77	18.6	84.7	203	351	507	642	740	790	793	746	651	519	364	214	91.9	21.3	0.99	6738	6702
40	1.17	26.8	116	265	446	629	786	896	954	956	899	791	634	454	273	123	30.0	1.47	8281	8255
30	1.57	34.1	141	312	515	714	884	1003	1067	1069	1009	893	724	528	324	150	38.2	1.93	9409	9388
	1.89	40.4	162	353	575	789	970	1097	1162	1163	1099	975	794	582	361	169	43.7	2.28	10338	10321
	2.05	43.3	171	369	597	815	999	1128	1194	1195	1130	1004	821	604	377	178	46.7	2.45	10678	10661
	2.02	43.3	172	368	594	812	994	1121	1186	1186	1123	997	815	599	374	177	46.4	2.44	10613	10597
	1.60	39.9	160	348	565	774	951	1073	1137	1138	1075	953	777	570	354	166	42.8	2.13	10129	10111
-30	1.08	33.5	141	310	509	703	868	982	1042	1042	982	868	703	512	313	144	36.2	1.57	9194	9174
-40	0.81	24.6	114	258	433	607	757	861	917	917	863	761	612	441	266	120	28.9	1.05	7982	7958
-50	0.62	16.3	85.7	203	349	500	631	724	772	773	726	634	504	354	208	90.2	19.8	0.70	6590	6556
-60	0.41	8.75	51.8	132	236	350	451	527	565	566	529	456	356	244	138	56.5	10.9	0.44	4678	4622
-70	0.14	2.31	15.1	41.4	78.3	119	158	188	203	203	189	160	122	80.7	43.6	16.7	2.62	0.13	1622	1575
-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
-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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	14.6	344	1474	3311	5519	7722	9618	10958	11654	11668	10996	9679	7799	5615	3406	1548	382	18.31	101724	---
Φ a	0.00	221	1420	3304	5519	7722	9618	10957	11654	11667	10995	9678	7798	5615	3401	1505	261	0.00	---	101336

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-3-25

V(B) Range:-60 - 60DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:7.890m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:3.4874A P:755.31W PF:0.9886 Freq:49.99Hz Lamp Flux:99025x1 lm		
NAME: ASD-LMAL-HV-750D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		

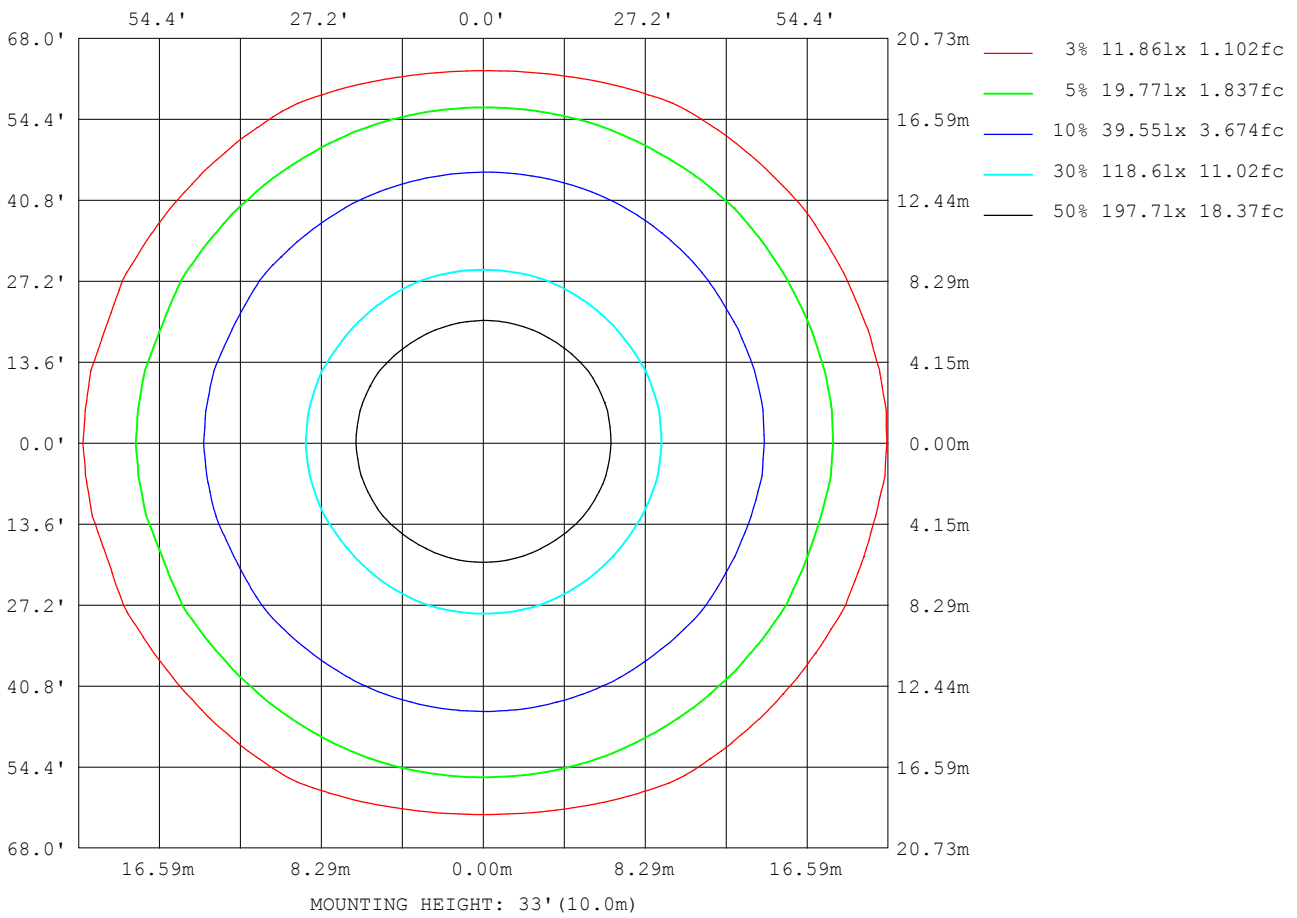


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Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-3-25

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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

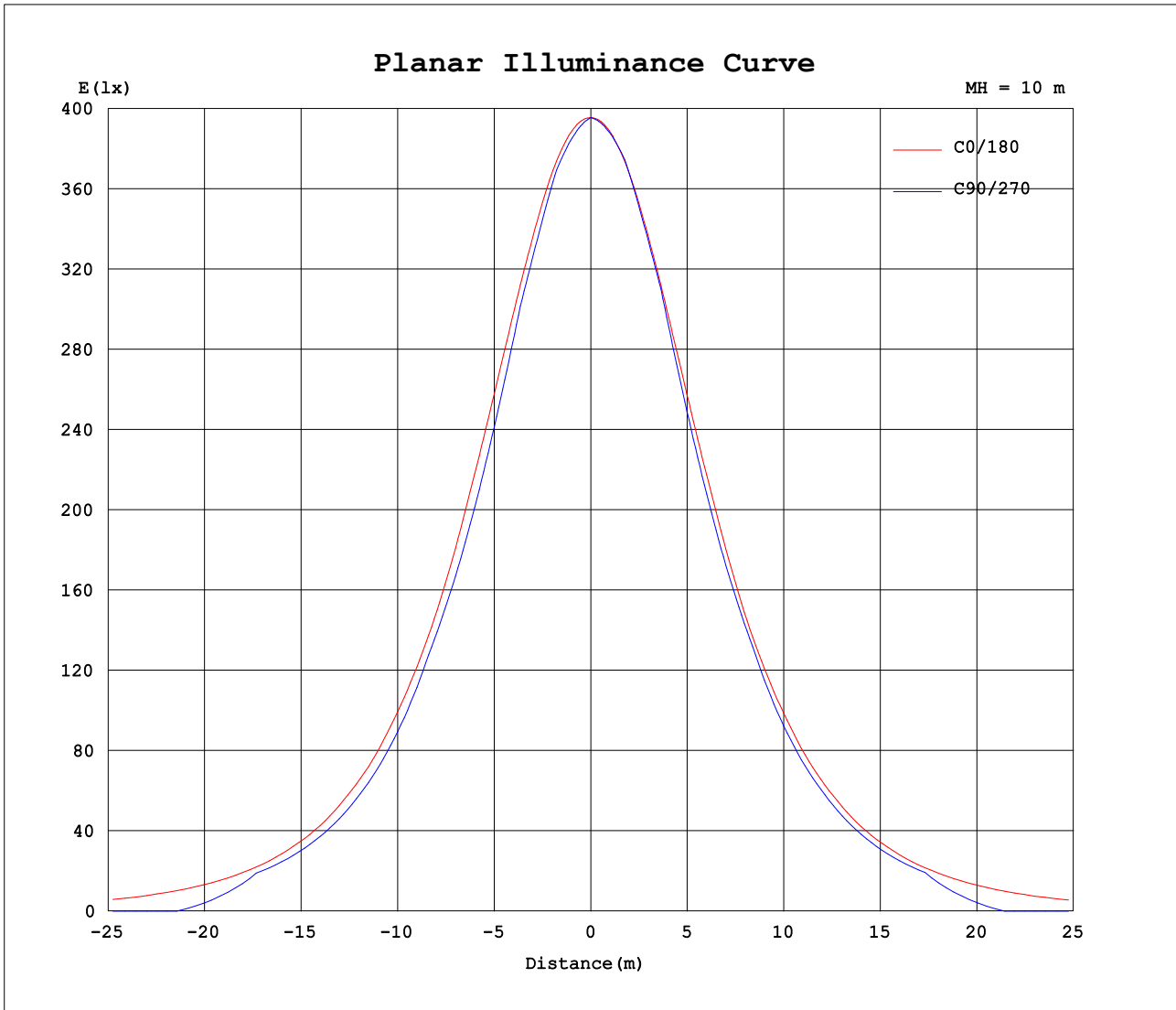
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Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2020-3-25

V(B) Range:-60 - 60DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

Planar Illuminance Curve



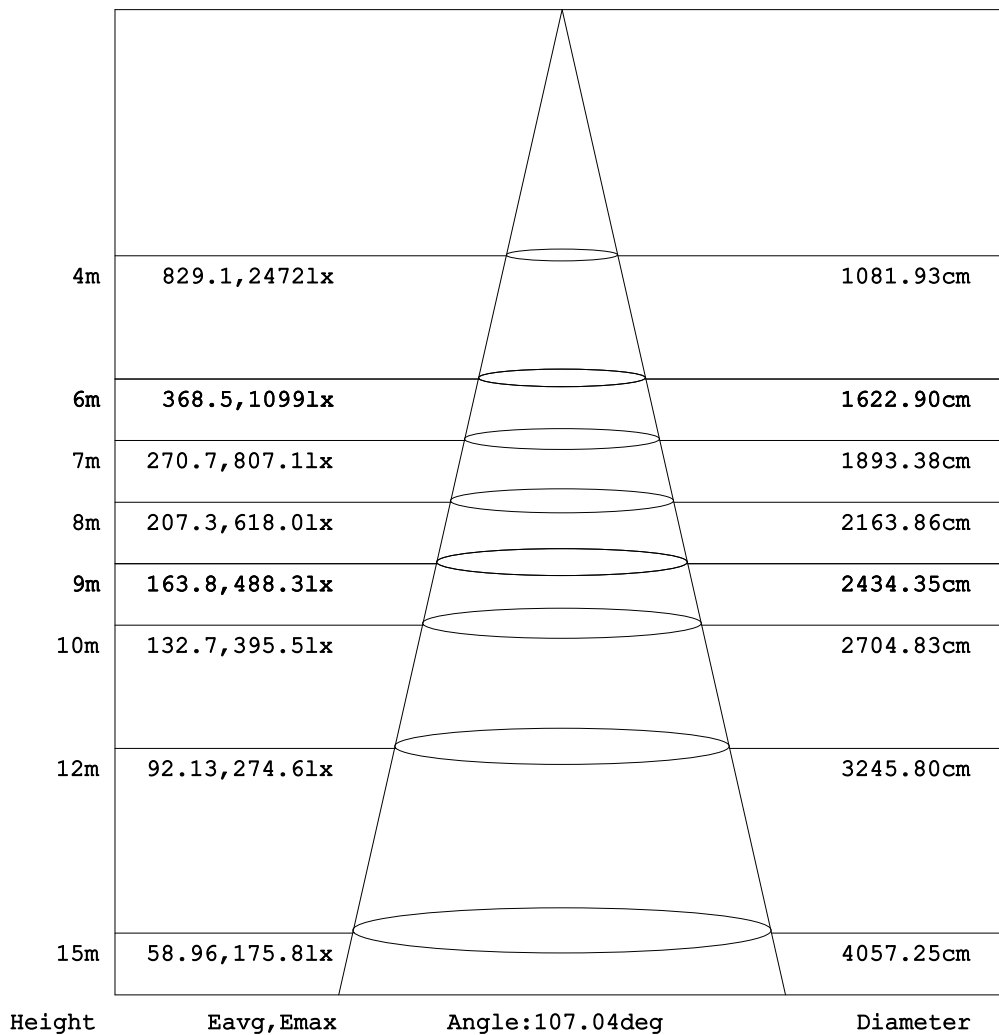
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-3-25

V(B) Range:-60 - 60DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

AAI Figure

Test:U:277.00V I:3.4874A P:755.31W PF:0.9886 Freq:49.99Hz Lamp Flux:99025x1 lm		
NAME: ASD-LMAL-HV-750D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		

Flux out:78954 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:2020-3-25

V(B) Range:-60 - 60DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:3.4874A P:755.31W PF:0.9886 Freq:49.99Hz Lamp Flux:99025x1 lm		
NAME: ASD-LMAL-HV-750D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: ×10cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-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
-85	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
-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
-75	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
-70	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
-65	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
-60	4.29	7.48	23.2	62.1	154	284	422	562	708	850	982	1103	1216	1312	1389	1450	1487	1512	1520
-55	4.27	8.47	31.9	92.9	227	397	572	750	927	1098	1256	1399	1526	1633	1724	1788	1830	1858	1867
-50	4.24	9.47	40.7	124	299	510	723	938	1146	1346	1531	1695	1835	1954	2059	2126	2174	2204	2214
-45	4.20	10.5	52.1	172	393	642	893	1139	1375	1599	1800	1980	2130	2260	2363	2436	2488	2520	2530
-40	4.15	11.5	63.5	220	487	775	1064	1340	1605	1853	2069	2265	2425	2566	2667	2746	2802	2836	2846
-35	3.98	12.5	76.2	272	561	869	1181	1471	1751	2010	2242	2437	2610	2752	2855	2936	2995	3030	3040
-30	3.81	13.5	88.8	323	635	962	1298	1602	1897	2167	2416	2609	2796	2937	3043	3126	3188	3223	3234
-25	3.65	14.7	113	378	707	1064	1418	1752	2064	2341	2591	2796	2989	3131	3241	3325	3387	3423	3434
-20	3.49	15.9	138	433	778	1166	1538	1901	2231	2515	2765	2984	3182	3325	3438	3525	3586	3622	3634
-15	3.37	16.8	160	458	821	1219	1609	1975	2314	2615	2863	3091	3289	3436	3552	3639	3701	3738	3751
-10	3.26	17.8	183	483	865	1271	1679	2048	2398	2715	2961	3199	3397	3546	3665	3754	3817	3854	3868
-5	3.19	24.3	189	495	883	1295	1709	2081	2436	2753	3001	3241	3441	3592	3711	3801	3864	3900	3912
0	3.12	30.9	194	507	901	1320	1738	2114	2474	2791	3040	3284	3484	3639	3757	3848	3912	3946	3955
5	3.11	28.3	188	496	885	1299	1713	2089	2445	2766	3016	3259	3459	3611	3732	3825	3889	3926	3938
10	3.10	25.7	183	485	869	1279	1688	2064	2417	2740	2991	3233	3433	3584	3707	3803	3867	3906	3921
15	3.11	25.9	173	459	827	1228	1624	1996	2342	2653	2906	3140	3343	3493	3615	3710	3773	3814	3828
20	3.12	26.1	163	433	786	1178	1560	1928	2266	2566	2821	3047	3254	3403	3524	3617	3680	3721	3734
25	3.12	22.1	145	390	712	1074	1437	1779	2101	2389	2646	2860	3062	3209	3326	3419	3482	3524	3537
30	3.11	18.0	127	348	639	970	1313	1630	1936	2212	2472	2673	2871	3016	3129	3221	3283	3328	3341
35	3.12	15.6	109	304	568	871	1189	1492	1781	2048	2294	2492	2677	2825	2935	3023	3084	3124	3137
40	3.12	13.1	91.2	260	496	771	1064	1354	1626	1884	2115	2311	2484	2634	2742	2824	2885	2920	2934
45	3.11	10.6	73.2	210	409	644	897	1153	1399	1629	1842	2026	2183	2323	2429	2507	2564	2598	2612
50	3.09	8.00	55.1	161	322	517	730	952	1171	1373	1569	1741	1883	2011	2116	2189	2244	2276	2290
55	3.08	6.12	41.0	121	245	400	571	753	936	1107	1273	1424	1552	1666	1760	1826	1873	1904	1917
60	3.06	4.23	27.0	80.4	168	283	412	553	701	841	977	1108	1220	1320	1403	1463	1503	1533	1543
65	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
70	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
75	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
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
85	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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-3-25

V(B) Range:-60 - 60DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.00V I:3.4874A P:755.31W PF:0.9886 Freq:49.99Hz Lamp Flux:99025x1 lm		
NAME: ASD-LMAL-HV-750D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: ×10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-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	
-85	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	
-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	
-75	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	
-70	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	
-65	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	
-60	1514	1492	1456	1400	1324	1236	1125	1004	875	733	590	447	311	179	73.2	26.1	5.79	2.60	
-55	1861	1836	1796	1736	1650	1546	1425	1284	1128	959	786	604	429	264	117	37.4	7.64	2.65	
-50	2209	2181	2135	2072	1976	1856	1725	1564	1381	1185	981	761	547	348	162	48.6	9.49	2.70	
-45	2523	2493	2443	2372	2275	2144	1999	1828	1628	1406	1175	927	677	440	220	64.6	11.7	2.75	
-40	2837	2805	2751	2673	2575	2433	2274	2092	1875	1628	1370	1094	806	531	278	80.6	13.9	2.80	
-35	3031	2998	2942	2863	2762	2622	2452	2269	2040	1786	1510	1219	907	604	329	105	14.6	2.84	
-30	3225	3192	3132	3052	2949	2811	2630	2446	2205	1944	1651	1343	1008	678	381	128	15.2	2.89	
-25	3424	3387	3326	3244	3135	2994	2804	2605	2365	2087	1779	1451	1094	740	418	153	17.7	2.92	
-20	3622	3583	3521	3435	3321	3177	2978	2764	2525	2231	1907	1559	1181	802	455	178	20.2	2.95	
-15	3740	3703	3643	3556	3441	3295	3098	2876	2635	2334	1999	1642	1251	857	489	195	27.2	2.96	
-10	3858	3823	3764	3676	3561	3414	3217	2988	2745	2438	2091	1725	1320	912	524	211	34.2	2.97	
-5	3902	3869	3809	3719	3604	3454	3256	3025	2778	2467	2117	1748	1341	928	534	216	34.8	2.96	
0	3946	3915	3853	3763	3647	3495	3294	3061	2811	2496	2143	1771	1362	943	545	221	35.3	2.95	
5	3928	3894	3832	3742	3626	3476	3276	3043	2793	2481	2131	1758	1350	933	537	218	34.4	2.95	
10	3910	3874	3810	3722	3604	3457	3257	3024	2776	2466	2120	1745	1338	923	530	214	33.5	2.95	
15	3817	3781	3719	3630	3513	3366	3163	2938	2688	2385	2046	1676	1281	879	503	202	31.5	2.94	
20	3724	3689	3627	3539	3422	3275	3069	2852	2600	2304	1972	1607	1224	835	476	189	29.6	2.93	
25	3529	3494	3433	3349	3238	3090	2896	2690	2441	2156	1840	1501	1137	771	437	171	27.8	2.93	
30	3333	3299	3239	3159	3053	2905	2723	2528	2282	2009	1709	1395	1049	707	398	154	26.0	2.93	
35	3127	3095	3037	2957	2850	2700	2527	2331	2096	1832	1550	1251	932	622	346	133	21.3	2.93	
40	2922	2891	2835	2754	2647	2494	2332	2135	1910	1655	1392	1107	816	536	293	112	16.5	2.92	
45	2605	2577	2527	2454	2348	2217	2067	1885	1679	1450	1209	953	695	452	243	91.1	13.5	2.92	
50	2289	2263	2219	2154	2050	1939	1801	1635	1448	1245	1027	800	575	367	192	70.0	10.4	2.92	
55	1913	1889	1850	1787	1698	1594	1471	1324	1165	994	814	629	448	282	146	52.5	8.03	2.90	
60	1537	1515	1481	1421	1345	1249	1140	1012	881	743	602	458	320	197	98.9	35.0	5.63	2.88	
65	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	
70	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	
75	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	
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	
85	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	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-3-25

V(B) Range:-60 - 60DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:7.890m [K=1.0000]
Remarks: