

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

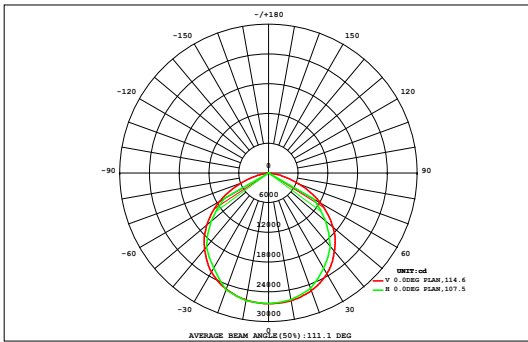
Maximum Intensity (Luminaire orientation as tested.)		384.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	127.1V x 153.7H 107.5V x 114.6H 49.1V x 56.1H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	990.7 lumens per klm. 984.6 lumens per klm. 802.6 lumens per klm. 242.5 lumens per klm.
	Upward LOR Downward LOR	0.0 % 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:2.3160A P:500W PF:0.9884 Freq:49.99Hz Lamp Flux:65893x1 lm		
NAME: ASD-LMAL-HV-500D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:136.10lm/W	
MOE&D-LMAL-HV-500D50-MRN		Imax (cd)	26352
NOMINAL POWER (W)	500	AVAILABILITY (%)	99.6
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	65893
NOMINAL FLUX (lm)	65893	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	68472
TEST VOLTAGE (V)	277	θ @50% (H,V)	115,108DEG

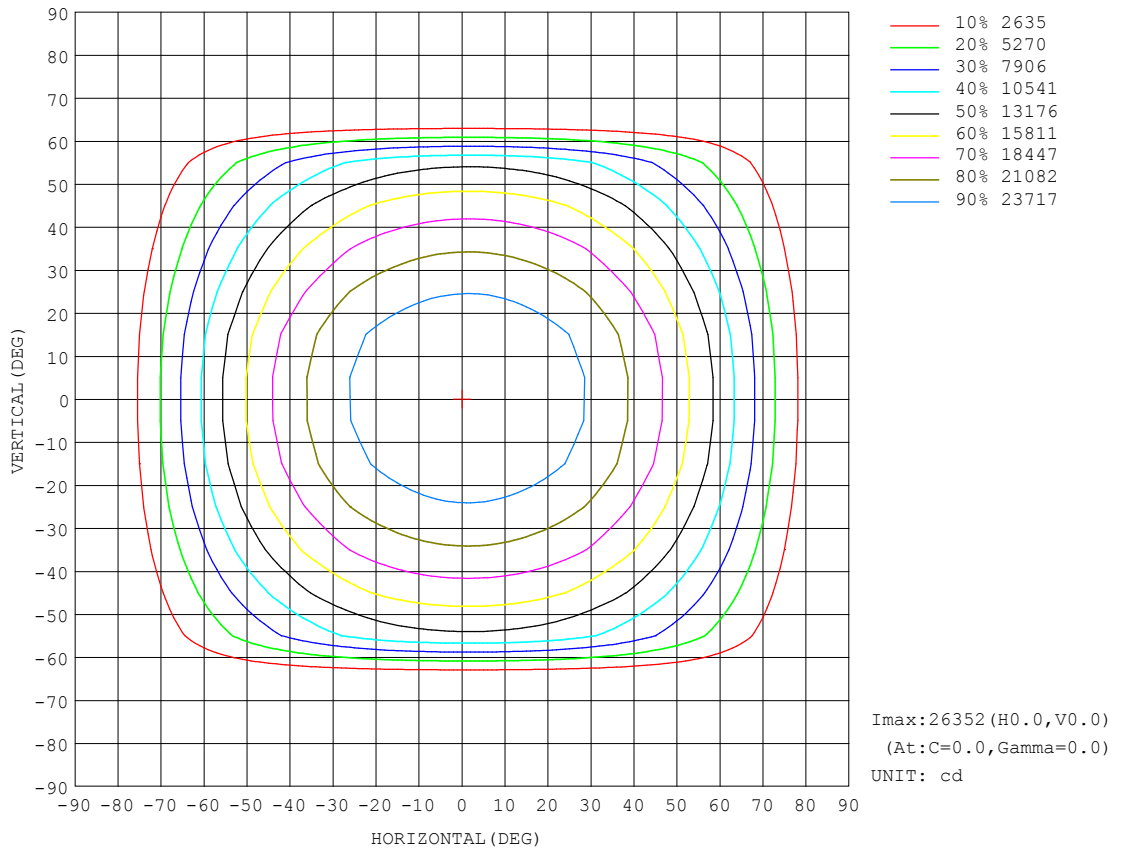
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.00	0.00	0.01	0.02	0.04	0.07	0.11	0.15	0.20	0.25	0.28	0.30	0.30	0.28	0.25	0.19	0.12	0.04	2.61	0.00	
90	0.00	0.00	0.01	0.02	0.04	0.07	0.11	0.15	0.20	0.25	0.28	0.30	0.30	0.28	0.25	0.19	0.12	0.04	2.61	0.00	
80	0.00	0.00	0.00	0.00	0.00	0.00	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	0.26	6.98	36.4	94.7	175	264	346	409	441	443	413	354	274	185	104	43.2	9.72	0.49	3601	3566	
50	0.46	11.7	54.6	132	231	334	425	491	524	525	493	430	341	238	141	61.3	14.7	0.75	4448	4424	
40	0.73	17.3	76.0	175	296	418	523	597	636	636	599	527	423	303	182	82.2	20.4	1.10	5514	5496	
30	1.00	22.3	93.0	207	343	475	590	669	711	712	672	594	482	351	216	100	25.9	1.43	6266	6253	
	1.27	27.0	109	237	386	530	652	736	780	780	737	653	533	391	243	115	30.1	1.67	6942	6930	
	1.40	28.8	114	246	398	543	667	752	796	796	754	670	548	403	253	120	31.8	1.78	7125	7115	
	1.42	29.1	115	247	398	544	666	751	793	793	751	667	546	401	252	119	31.4	1.75	7106	7095	
	1.29	27.2	109	235	382	523	643	726	770	771	729	647	529	388	242	113	29.4	1.55	6865	6854	
-30	1.03	23.6	96.7	213	349	482	595	674	715	716	675	597	484	353	217	99.7	25.1	1.21	6318	6306	
-40	0.72	18.5	78.8	178	298	417	520	592	630	630	594	523	421	303	183	82.0	19.8	0.81	5488	5472	
-50	0.45	12.9	58.9	138	237	340	429	493	525	526	494	432	344	241	142	61.4	13.8	0.48	4489	4467	
-60	0.25	7.43	36.8	91.1	162	238	307	358	384	385	360	311	243	166	94.4	38.7	7.94	0.27	3192	3155	
-70	0.11	2.69	12.7	31.5	57.4	85.8	112	131	140	139	128	107	79.7	51.1	26.0	8.92	1.17	0.02	1115	1084	
-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	10.4	235	991	2226	3712	5193	6474	7380	7846	7854	7402	6512	5247	3775	2295	1045	261	13.4	68472	---	
Φ a	0.00	156	952	2225	3712	5193	6474	7380	7846	7853	7402	6512	5247	3775	2288	1017	186	0.00	---	68217	

one-half-peak spread: U:54.1,D:54.1 , L:58.3,R:56.2 NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG	V(B) Range:-60 - 60DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Temperature:25.3DEG	Humidity:65.0%
Operators:S	Test Distance:7.890m [K=1.0000]
Test Date:2020-3-25	Remarks:

ISOCANDELA DIAGRAM

Test:U:277.00V I:2.3160A P:500W PF:0.9884 Freq:49.99Hz Lamp Flux:65893x1 lm		
NAME: ASD-LMAL-HV-500D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		

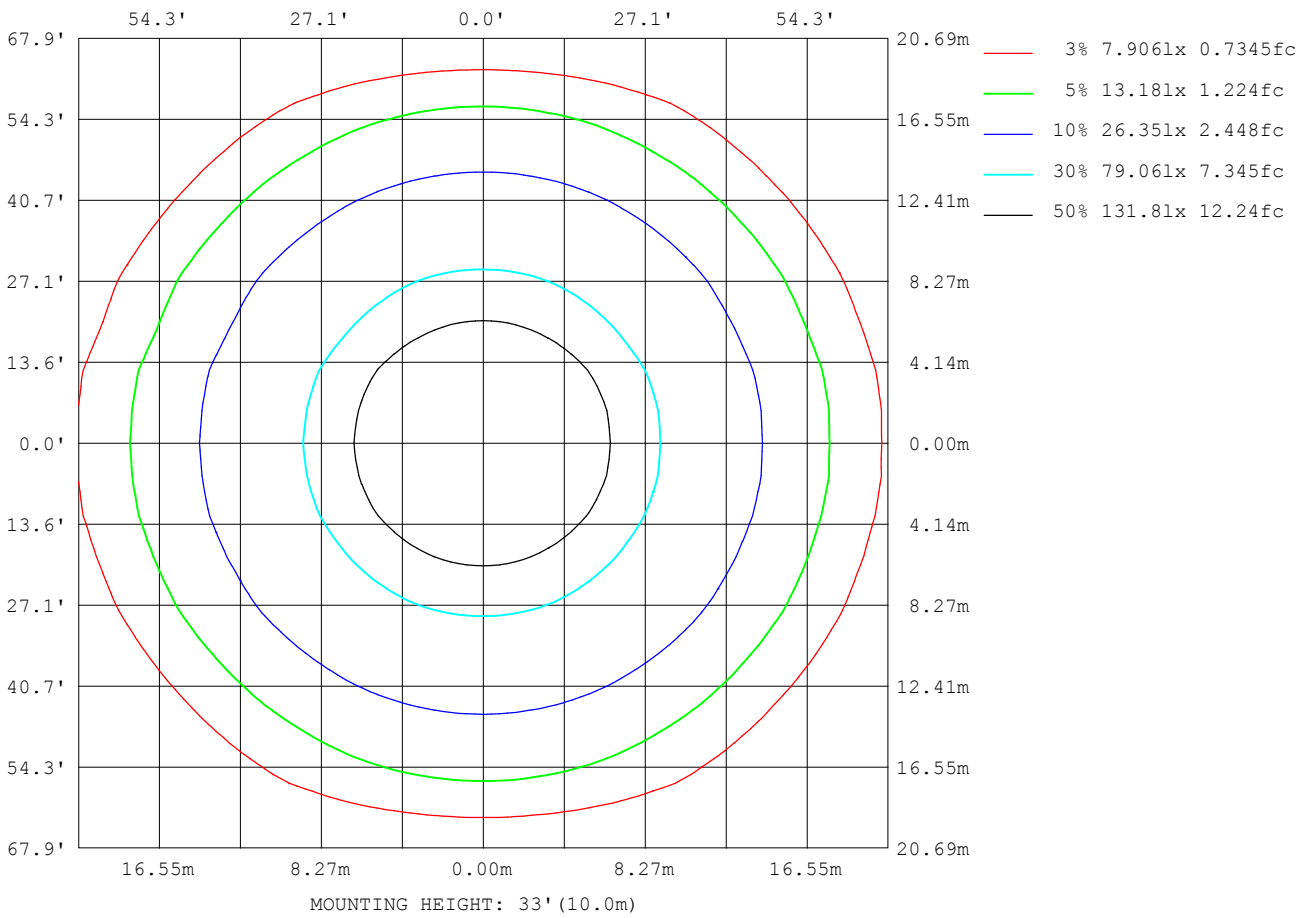


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-3-25

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:

ISOLUX DIAGRAM

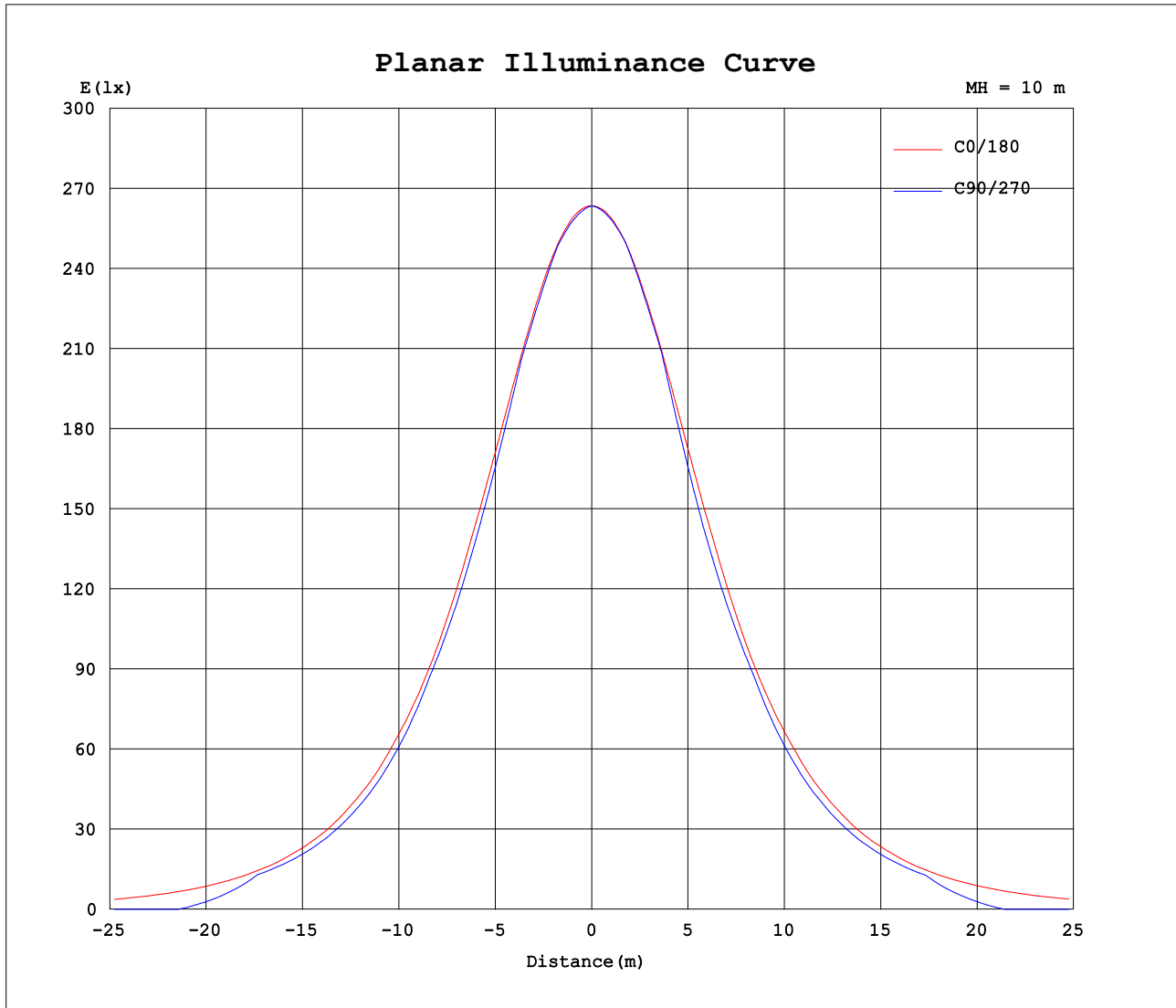
Test:U:277.00V I:2.3160A P:500W PF:0.9884 Freq:49.99Hz Lamp Flux:65893x1 lm		
NAME: ASD-LMAL-HV-500D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		



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:

Planar Illuminance Curve



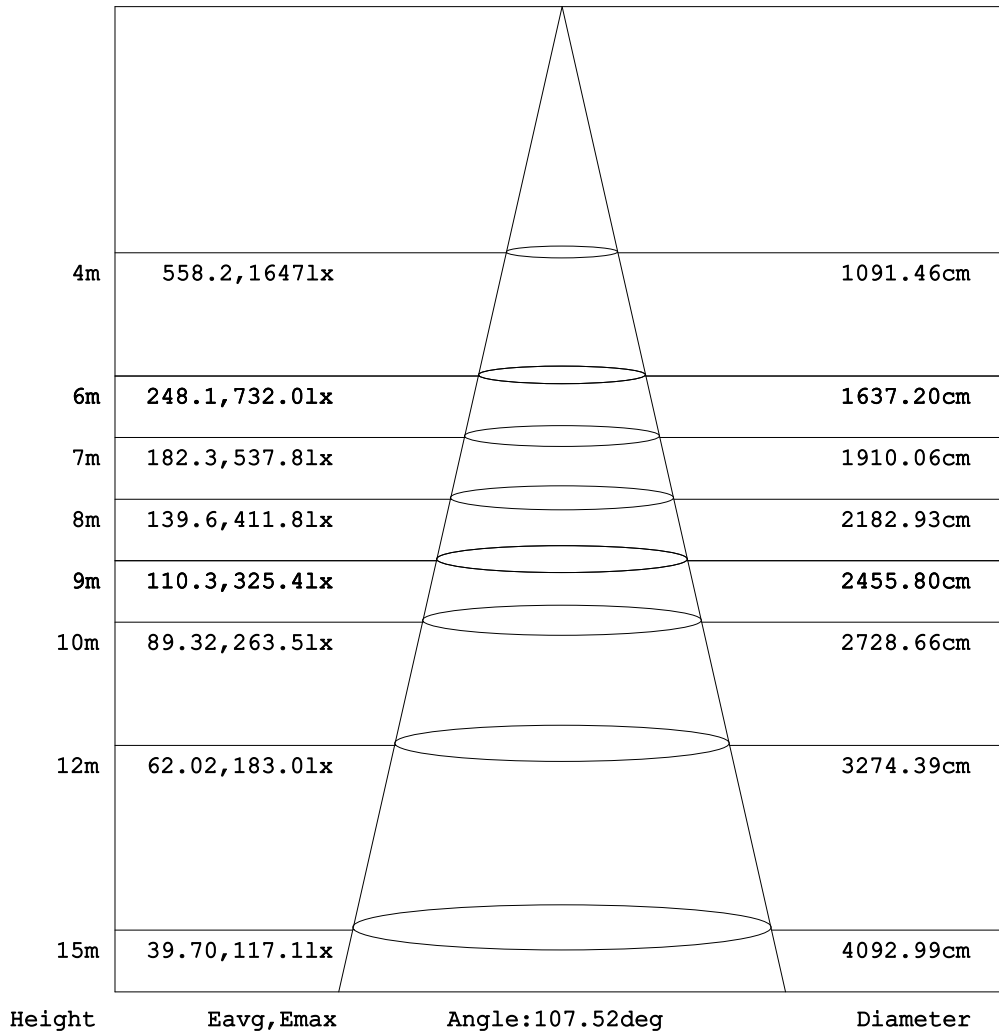
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-3-25

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:2.3160A P:500W PF:0.9884 Freq:49.99Hz Lamp Flux:65893x1 lm		
NAME: ASD-LMAL-HV-500D50-MRN	TYPE:	
MFR.: ASD LIGHTING CORP		

Flux out:53157 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:2.3160A P:500W PF:0.9884 Freq:49.99Hz Lamp Flux:65893x1 lm		
NAME: ASD-LMAL-HV-500D50-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	2.16	3.67	17.5	60.8	128	211	303	401	501	596	686	771	845	907	962	1000	1023	1040	1045
-55	2.32	2.72	13.8	62.8	147	252	367	489	609	725	832	933	1024	1097	1162	1211	1243	1265	1274
-50	2.20	5.60	38.1	126	245	382	526	674	811	941	1063	1175	1264	1344	1407	1451	1483	1500	1504
-45	2.36	3.24	26.5	115	249	405	573	744	904	1057	1196	1323	1429	1521	1596	1650	1689	1713	1723
-40	2.20	8.42	68.9	204	374	560	757	946	1122	1290	1441	1562	1670	1764	1832	1883	1918	1938	1943
-35	2.36	3.94	44.3	173	350	551	764	969	1162	1343	1507	1644	1762	1868	1944	2004	2047	2073	2084
-30	2.18	13.5	105	274	484	709	938	1152	1353	1532	1692	1821	1946	2038	2108	2163	2200	2221	2227
-25	2.34	4.73	65.8	225	439	677	923	1154	1373	1570	1745	1887	2022	2127	2208	2270	2314	2343	2354
-20	2.15	18.9	137	337	582	842	1098	1338	1559	1756	1915	2064	2192	2286	2362	2416	2455	2477	2483
-15	2.32	6.33	84.0	264	504	768	1035	1289	1522	1728	1906	2059	2203	2307	2391	2455	2501	2529	2541
-10	2.11	28.0	155	374	637	911	1180	1424	1651	1857	2021	2177	2304	2401	2477	2534	2574	2595	2600
-5	2.30	8.43	92.9	284	536	813	1089	1351	1590	1804	1981	2139	2282	2389	2473	2537	2582	2608	2617
0	2.08	31.6	162	387	656	939	1212	1461	1693	1902	2067	2226	2351	2449	2526	2579	2616	2632	2635
5	2.27	9.30	93.0	283	535	812	1089	1350	1591	1807	1984	2142	2286	2393	2479	2543	2588	2615	2625
10	2.11	29.1	154	371	634	909	1181	1424	1655	1864	2026	2185	2313	2411	2490	2548	2586	2609	2615
15	2.25	8.75	85.4	263	502	769	1037	1290	1526	1737	1917	2071	2217	2324	2409	2474	2520	2549	2561
20	2.13	26.4	138	338	582	844	1101	1343	1569	1769	1932	2081	2213	2310	2385	2441	2481	2503	2509
25	2.23	7.41	70.3	221	428	665	910	1140	1360	1561	1739	1883	2020	2129	2211	2273	2320	2349	2362
30	2.14	19.3	104	261	461	683	909	1116	1321	1503	1665	1797	1923	2019	2091	2147	2187	2209	2216
35	2.23	5.71	52.0	168	335	532	743	947	1139	1324	1492	1631	1752	1861	1940	2001	2046	2074	2085
40	2.15	13.4	75.2	198	362	548	747	934	1113	1285	1437	1564	1676	1772	1842	1894	1931	1952	1957
45	2.22	4.03	34.3	114	238	388	555	726	887	1042	1186	1318	1428	1524	1602	1658	1699	1724	1735
50	2.13	8.40	44.2	121	230	359	503	649	790	925	1050	1167	1260	1344	1410	1458	1491	1509	1514
55	2.20	2.69	18.3	62.7	137	234	345	465	584	701	811	914	1010	1085	1153	1205	1239	1261	1271
60	2.12	4.04	20.4	57.7	118	196	282	377	473	569	658	744	821	884	943	982	1008	1026	1030
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:2.3160A P:500W PF:0.9884 Freq:49.99Hz Lamp Flux:65893x1 lm		
NAME: ASD-LMAL-HV-500D50-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	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	1039	1020	994	953	898	833	757	669	580	484	384	287	195	115	50.5	12.4	3.09	1.84	
-55	1273	1258	1233	1196	1140	1071	994	897	791	681	565	441	321	209	110	35.9	6.26	2.17	
-50	1498	1478	1445	1398	1328	1249	1157	1043	919	789	647	498	355	219	103	25.5	3.85	1.90	
-45	1721	1704	1674	1629	1567	1483	1388	1275	1139	994	840	672	501	337	186	66.7	9.89	2.17	
-40	1933	1911	1871	1814	1744	1641	1534	1400	1249	1082	901	710	512	327	166	43.3	4.81	2.01	
-35	2081	2062	2028	1978	1911	1823	1709	1586	1436	1266	1081	878	667	458	264	106	15.1	2.16	
-30	2217	2191	2148	2091	2014	1916	1789	1656	1487	1303	1097	883	650	426	226	71.3	5.87	2.11	
-25	2350	2330	2293	2240	2169	2079	1958	1819	1665	1480	1274	1047	807	563	332	143	23.4	2.12	
-20	2471	2444	2400	2338	2256	2155	2015	1868	1694	1496	1273	1026	765	509	273	95.0	8.27	2.17	
-15	2537	2517	2482	2428	2354	2260	2139	1988	1830	1632	1413	1173	913	644	385	170	33.5	2.08	
-10	2591	2565	2526	2464	2381	2279	2143	1986	1816	1607	1374	1119	843	567	310	110	10.4	2.20	
-5	2615	2596	2561	2507	2433	2337	2217	2061	1899	1698	1475	1232	964	684	412	185	39.7	2.06	
0	2628	2603	2559	2496	2412	2308	2169	2009	1839	1629	1392	1138	858	578	317	117	14.4	2.17	
5	2621	2603	2568	2514	2438	2342	2220	2064	1903	1699	1475	1233	965	686	414	186	40.6	2.07	
10	2605	2579	2539	2476	2392	2288	2149	1993	1821	1609	1376	1119	846	570	314	112	13.6	2.15	
15	2558	2537	2500	2445	2370	2274	2150	1999	1840	1638	1418	1179	919	650	391	173	37.5	2.06	
20	2498	2469	2422	2359	2275	2171	2031	1883	1704	1504	1279	1034	776	518	280	99.1	12.7	2.11	
25	2359	2339	2301	2247	2175	2083	1959	1822	1665	1479	1271	1047	809	566	337	147	31.9	2.02	
30	2208	2183	2140	2083	2005	1905	1779	1646	1478	1289	1086	876	648	426	228	79.7	9.38	2.09	
35	2083	2064	2029	1978	1911	1819	1703	1579	1427	1255	1067	870	660	453	264	113	24.2	1.99	
40	1947	1921	1881	1824	1750	1643	1532	1395	1240	1067	891	701	505	324	168	56.9	7.34	2.07	
45	1732	1715	1683	1636	1571	1484	1384	1267	1132	983	827	663	493	331	188	77.2	15.7	1.98	
50	1508	1487	1451	1402	1326	1247	1144	1028	904	773	635	487	347	218	109	36.5	4.46	2.05	
55	1269	1255	1228	1188	1129	1058	978	880	775	663	548	427	311	203	111	44.7	8.73	1.98	
60	1023	1003	978	930	877	811	730	649	557	462	365	273	186	111	53.0	17.0	2.58	2.00	
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
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: