

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		272.1 cd per klm.
(Luminaire orientation as tested.)		55.5 degrees vertical
		-55.0 degrees horizontal

Beam Spread	At 10% of I _{max}	170.2V x 173.7H
	At 50% of I _{max}	156.4V x 159.9H
	At 90% of I _{max}	143.9V x 153.4H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of I _{max}	969.3 lumens per klm.
	To 50% of I _{max}	776.1 lumens per klm.
	To 90% of I _{max}	157.5 lumens per klm.

Upward LOR	2.4 %
Downward LOR	97.6 %

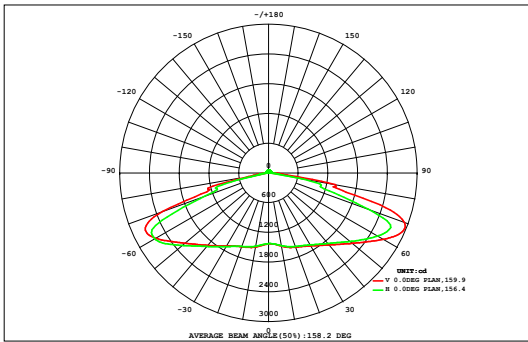
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7287]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.05V I:0.3620A P:100.30W PF:0.9900 Freq:50.00Hz Lamp Flux:13277.4x1 lm		
NAME: ASD-LSB2-100D50B-PC-PRM-SF	TYPE:LED	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:137.38lm/W	
MODEL	LSB2-100D50B-PC-PRM-SF	SEmax (cd)	3749
NOMINAL POWER (W)	100	AVAILABILITY (%)	97.1
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	13277
NOMINAL FLUX (lm)	13277.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	13779
TEST VOLTAGE (V)	277	θ @50% (H, V)	160,156DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.31	1.20	3.53	9.72	20.4	32.0	34.6	25.0	11.1	8.30	16.6	20.6	15.5	7.14	2.54	1.06	0.48	0.13	210	183
90	0.31	1.20	3.53	9.72	20.4	32.0	34.6	25.0	11.1	8.30	16.6	20.6	15.5	7.14	2.54	1.06	0.48	0.13	210	183
80	0.46	4.42	24.6	49.0	62.2	71.1	70.5	55.9	36.9	36.2	54.2	68.2	66.4	51.3	32.8	10.8	1.16	0.15	696	693
70	0.68	10.9	32.0	55.8	75.0	88.6	93.2	85.6	76.0	75.4	83.7	90.0	84.5	68.6	45.3	22.8	4.99	0.20	993	992
60	1.00	13.5	36.5	63.7	76.4	83.6	86.6	83.2	78.4	77.9	81.7	84.0	80.8	73.9	59.3	28.3	7.96	0.31	1017	1016
50	1.35	14.7	41.1	60.7	69.4	72.1	71.4	68.2	65.1	65.1	68.0	70.5	70.1	67.1	58.2	34.1	9.25	0.51	907	906
40	1.58	16.1	41.9	55.5	61.5	60.7	59.0	57.7	56.1	56.2	57.8	59.0	60.1	59.7	53.7	36.3	10.6	0.68	804	804
30	1.72	17.2	40.7	50.6	53.6	53.0	52.2	51.6	50.5	50.6	51.7	52.1	52.8	52.8	49.2	36.7	11.1	0.76	729	728
-30	1.76	17.5	39.1	46.4	48.0	48.1	48.5	48.4	47.4	47.6	48.2	48.1	48.1	47.8	45.6	36.1	11.2	0.72	678	678
-40	1.69	17.3	37.5	43.4	44.8	45.4	46.0	46.4	44.9	45.1	46.3	45.8	45.6	44.9	42.9	34.9	10.7	0.61	644	643
-50	1.71	17.3	37.4	43.1	44.4	45.0	45.7	46.1	44.6	45.0	46.2	45.6	45.3	44.6	42.7	34.8	10.8	0.65	641	640
-60	1.80	17.5	38.7	45.6	46.8	47.0	47.6	48.0	47.3	47.6	48.2	47.4	47.2	46.9	44.8	35.7	11.4	0.82	670	670
-70	1.80	17.2	40.2	49.3	51.3	50.8	50.6	50.7	50.0	50.1	50.8	50.6	51.2	51.1	48.0	36.3	11.5	0.92	712	712
-80	1.75	16.2	41.3	53.9	58.5	57.5	56.5	55.7	54.3	54.3	55.5	56.5	57.5	57.3	52.1	36.0	11.4	0.91	777	777
-90	1.66	14.9	40.7	59.0	66.4	68.1	67.3	64.7	61.9	61.9	64.6	67.1	67.0	64.4	56.6	34.6	10.7	0.72	872	872
-100	1.40	13.8	37.0	62.5	74.2	79.9	81.8	78.4	73.8	73.6	77.6	80.3	77.8	72.0	59.1	30.9	10.0	0.43	985	984
-110	0.94	12.6	32.2	57.3	76.6	89.5	93.8	89.1	82.8	82.4	87.9	91.7	86.4	71.8	50.5	27.8	7.65	0.24	1041	1040
-120	0.54	7.37	30.6	49.7	58.4	69.0	73.3	63.4	47.7	46.4	59.4	67.3	63.4	54.2	42.5	17.7	1.94	0.17	753	750
-130	0.35	1.66	6.63	18.9	32.3	41.7	40.5	28.4	13.8	12.6	24.8	34.4	31.5	18.1	6.10	1.49	0.54	0.13	314	292
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	22.5	231	602	874	1021	1103	1119	1046	943	936	1023	1079	1051	954	792	497	143	9.07	13446	---
Φ a	17.1	228	599	871	1018	1101	1116	1044	937	930	1020	1076	1049	950	788	493	139	4.08	---	13382

one-half-peak spread: U:2.7,D:2.8 , L:3.0,R:3.0

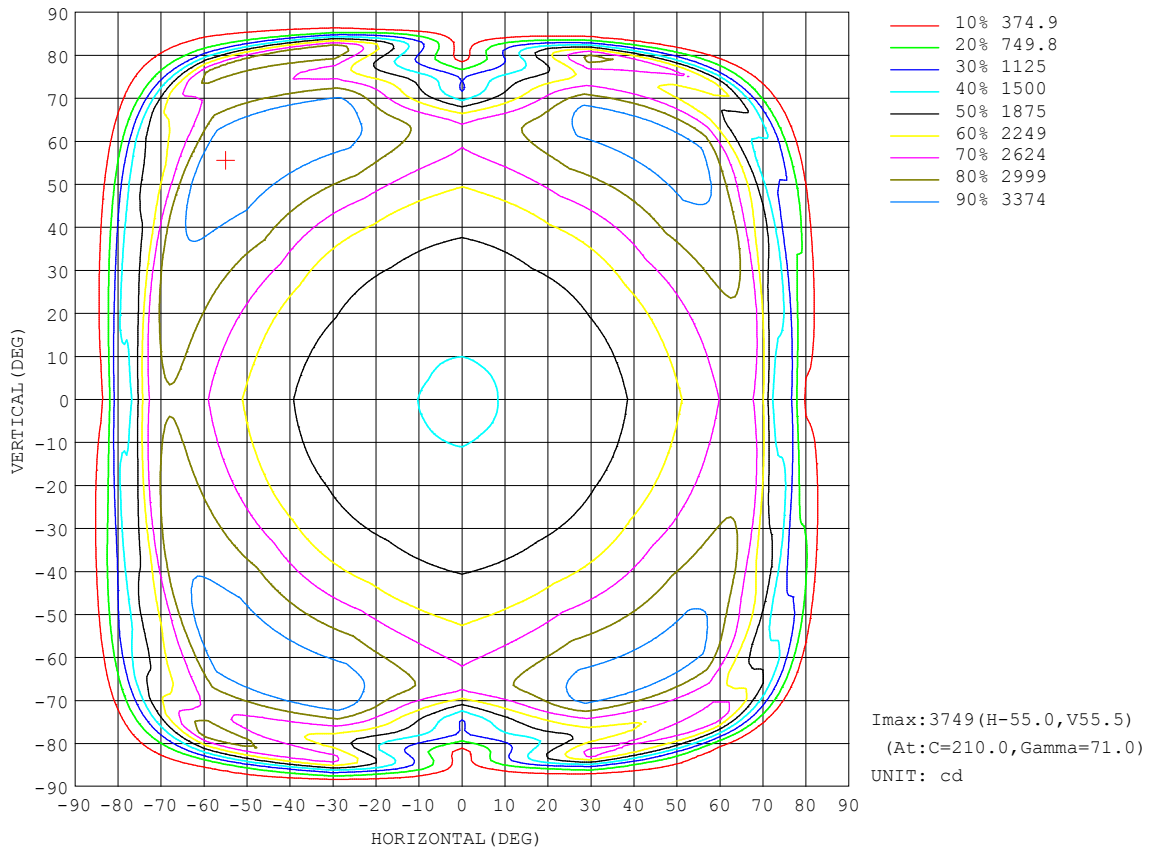
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7287]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.05V I:0.3620A P:100.30W PF:0.9900 Freq:50.00Hz Lamp Flux:13277.4x1 lm		
NAME: ASD-LSB2-100D50B-PC-PRM-SF	TYPE:LED	
MFR.: ASD LIGHTING CORP		

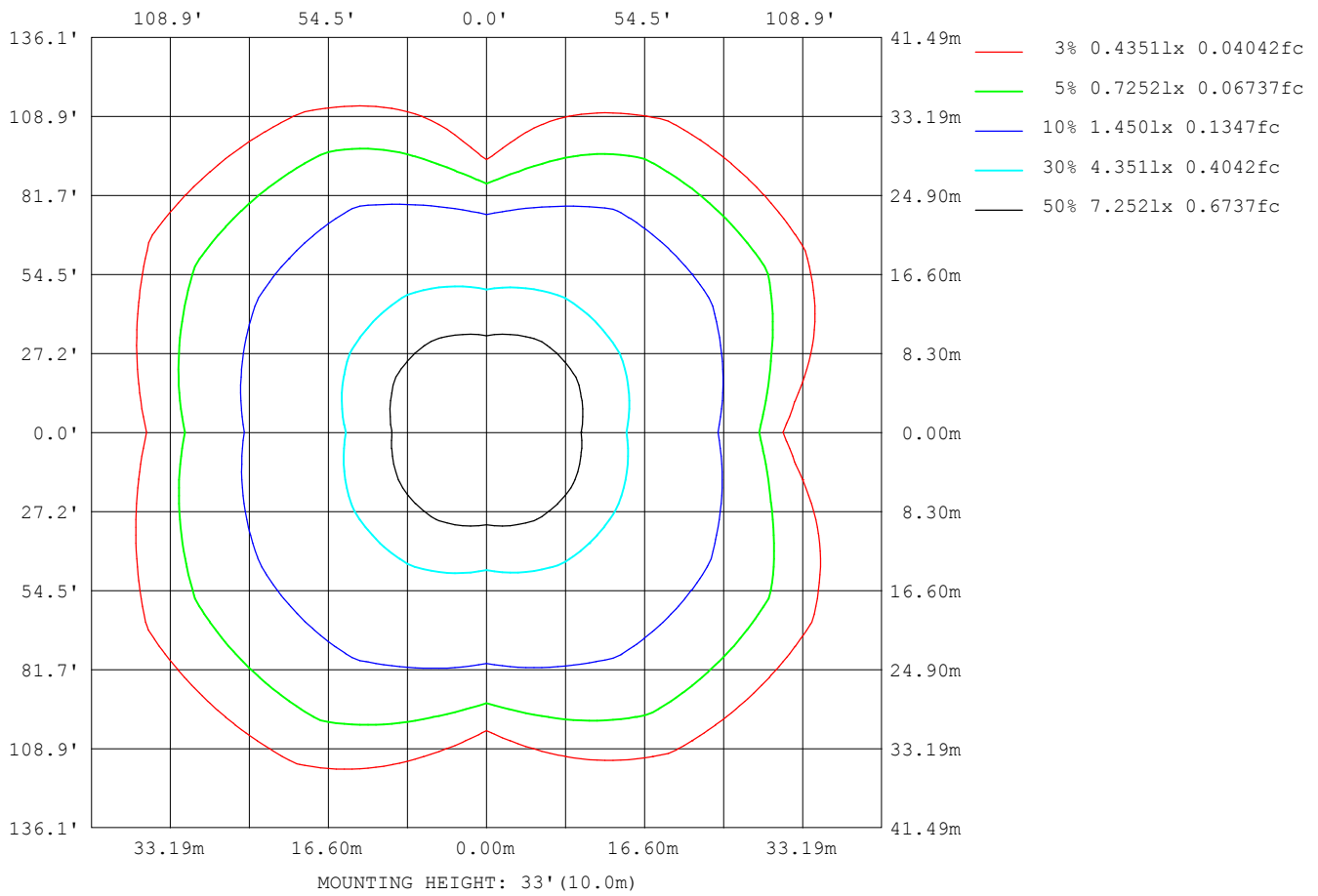


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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7287]
 Remarks:

ISOLUX DIAGRAM

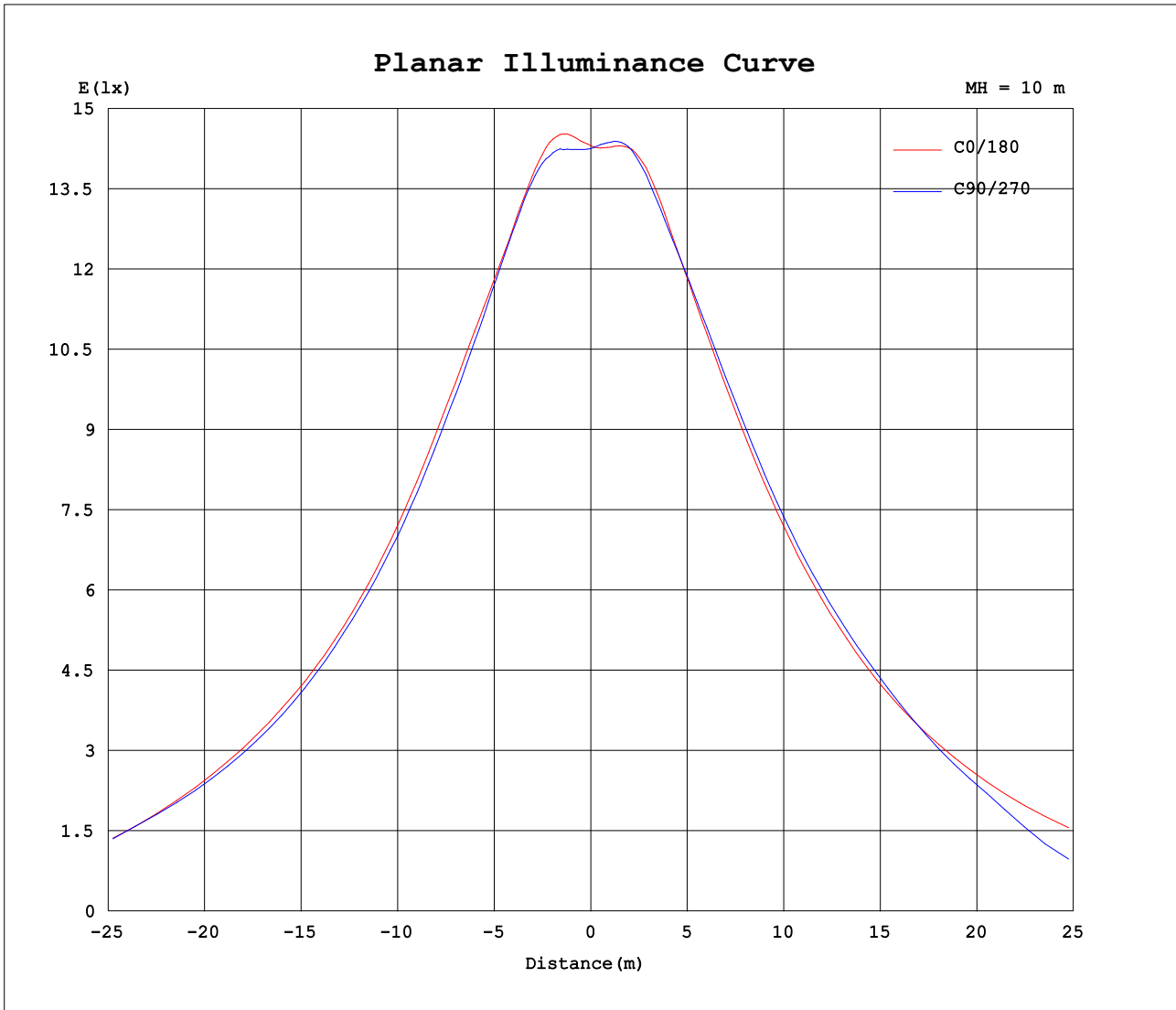
Test:U:277.05V I:0.3620A P:100.30W PF:0.9900 Freq:50.00Hz Lamp Flux:13277.4x1 lm		
NAME: ASD-LSB2-100D50B-PC-PRM-SF	TYPE:LED	
MFR.: ASD LIGHTING CORP		



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 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7287]
 Remarks:

Planar Illuminance Curve

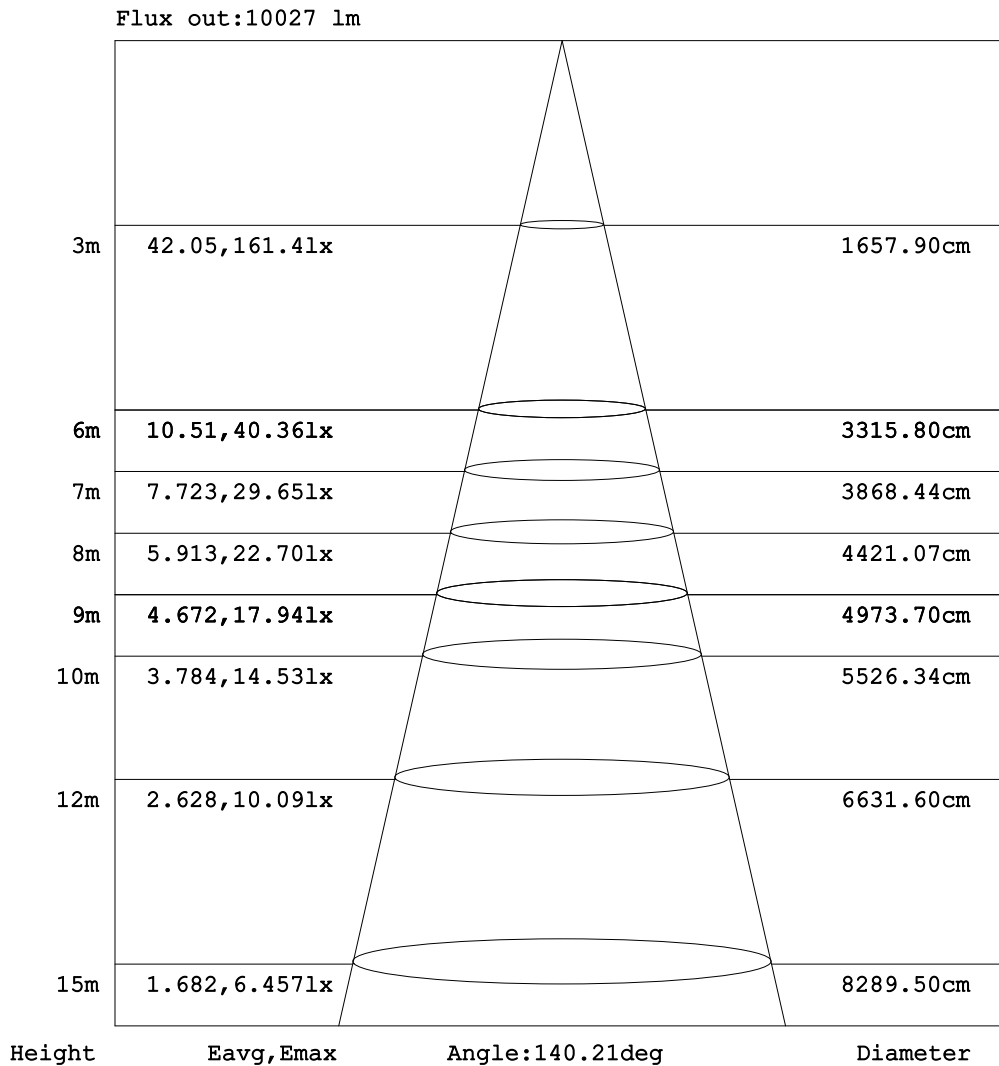


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7287]
 Remarks:

AAI Figure

Test:U:277.05V I:0.3620A P:100.30W PF:0.9900 Freq:50.00Hz Lamp Flux:13277.4x1 lm		
NAME: ASD-LSB2-100D50B-PC-PRM-SF	TYPE:LED	
MFR.: ASD LIGHTING CORP		



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7287]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.05V I:0.3620A P:100.30W PF:0.9900 Freq:50.00Hz Lamp Flux:13277.4x1 lm		
NAME: ASD-LSB2-100D50B-PC-PRM-SF	TYPE:LED	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	102	48.5	50.5	50.9	50.9	51.1	51.7	52.1	52.8	54.1	55.8	57.6	59.1	60.0	60.4	60.5	60.0	58.7	57.7
-170	102	48.5	50.3	50.5	50.6	50.5	50.8	51.0	51.4	52.5	54.0	55.4	56.1	56.4	56.6	57.0	57.9	58.6	58.2
-160	102	48.8	49.9	50.1	50.3	49.9	49.9	49.9	49.9	50.6	51.6	52.8	53.4	54.3	55.3	56.5	57.5	57.4	57.1
-150	102	49.4	49.4	49.8	50.1	49.6	49.0	48.9	48.6	48.5	49.0	50.4	52.0	53.2	54.2	54.9	55.0	55.0	54.9
-140	102	50.4	48.7	49.5	49.5	49.4	48.5	48.0	47.6	47.4	47.6	48.1	49.0	50.0	51.1	51.8	52.1	52.1	52.0
-130	102	52.2	47.9	48.9	49.0	49.0	48.7	47.9	47.3	47.5	47.5	47.4	47.3	47.3	47.8	48.3	48.8	49.2	49.5
-120	102	55.7	47.0	47.6	48.2	48.3	48.1	48.0	48.4	48.6	48.5	48.2	48.2	48.2	48.2	48.3	48.4	48.6	48.8
-110	102	63.2	49.9	46.0	46.3	46.6	46.8	47.4	47.8	48.1	48.4	48.8	49.2	49.1	48.8	48.6	48.3	48.1	47.8
-100	102	77.8	62.3	52.7	46.7	44.1	43.3	43.9	44.6	45.2	45.7	46.2	46.6	46.0	45.3	44.6	43.8	43.0	42.2
-90	102	103	104	105	106	107	108	103	97.4	92.0	86.7	81.4	76.1	72.5	68.9	65.4	61.8	58.2	54.7
-80	102	144	199	350	749	1459	2365	2926	3030	2866	2552	2302	2133	1829	1579	1342	1109	874	628
-70	102	183	480	1317	2200	2434	2672	2845	3029	3239	3406	3543	3646	3440	3130	2864	2625	2394	2146
-60	102	239	897	1677	2152	2596	3238	3623	3664	3610	3527	3439	3349	3232	3061	2906	2771	2651	2544
-50	102	306	1103	1826	2315	3113	3486	3533	3434	3275	3117	2972	2838	2713	2554	2411	2301	2216	2150
-40	102	374	1139	1873	2692	3290	3348	3249	3104	2914	2702	2493	2328	2206	2116	2015	1944	1893	1859
-30	102	398	1264	1901	2967	3230	3143	2959	2761	2548	2326	2144	2011	1915	1847	1793	1742	1703	1676
-20	102	386	1374	1941	3012	3116	2945	2715	2485	2258	2080	1942	1846	1768	1711	1671	1639	1602	1577
-10	102	346	1407	2036	2981	3003	2786	2536	2300	2104	1950	1834	1747	1683	1642	1600	1551	1508	1489
0	102	289	1366	1983	2915	2914	2679	2424	2208	2036	1896	1786	1699	1636	1595	1554	1496	1444	1431
10	102	313	1406	2031	2993	3019	2811	2569	2342	2139	1983	1862	1771	1703	1657	1616	1562	1516	1501
20	102	324	1379	1925	3033	3149	2992	2777	2564	2340	2150	2011	1903	1811	1739	1685	1638	1603	1579
30	102	316	1287	1873	2986	3278	3204	3043	2868	2679	2459	2246	2097	1988	1906	1841	1783	1742	1715
40	102	288	1148	1841	2678	3340	3424	3344	3225	3056	2857	2651	2466	2315	2215	2102	2028	1973	1936
50	102	254	931	1833	2257	3113	3555	3637	3543	3408	3271	3135	3007	2889	2725	2569	2444	2349	2276
60	102	210	563	1651	2143	2511	3176	3644	3704	3675	3610	3543	3488	3391	3206	3045	2901	2773	2654
70	102	164	315	779	1911	2573	2657	2778	2885	3015	3160	3276	3370	3183	2831	2468	2108	1741	1355
80	102	130	160	246	402	673	1225	1992	2634	3157	3255	3279	3205	2654	2095	1581	1101	644	199
90	102	98.5	95.0	91.6	88.2	84.7	81.3	77.2	73.2	69.1	65.1	61.0	57.0	54.9	52.8	50.7	48.6	46.5	44.4
100	102	76.6	62.1	55.8	54.1	54.3	55.4	55.3	55.1	54.9	54.7	54.5	54.3	53.3	52.3	51.3	50.4	49.4	48.4
110	102	63.1	53.4	51.8	53.4	54.8	55.9	55.8	55.4	55.2	55.2	55.1	55.1	54.4	53.5	52.6	51.9	51.3	50.7
120	102	56.5	50.5	52.4	53.8	54.4	54.9	55.2	55.2	53.5	51.9	51.2	50.8	50.7	51.0	51.3	51.7	52.1	52.4
130	102	53.5	50.8	52.6	53.2	53.8	54.4	52.9	52.3	52.3	52.2	52.0	52.1	52.3	52.8	53.3	53.6	53.8	53.9
140	102	51.7	51.1	52.3	52.8	53.3	52.1	52.4	53.1	53.3	53.6	54.1	54.7	55.6	56.5	56.8	56.9	56.7	56.3
150	102	50.4	51.1	51.8	52.6	52.0	51.9	52.7	53.3	54.2	55.3	56.3	57.5	58.6	59.5	60.1	59.8	59.2	58.5
160	102	49.5	51.0	51.5	52.0	51.4	52.0	52.6	53.3	54.5	56.0	57.8	59.3	60.3	61.1	61.6	61.6	60.6	59.4
170	102	48.8	50.8	51.2	51.4	51.3	52.0	52.5	53.2	54.5	56.3	58.1	59.5	60.6	61.2	61.4	61.3	60.9	58.6
180	102	48.5	50.5	50.9	50.9	51.1	51.7	52.1	52.8	54.1	55.8	57.6	59.1	60.0	60.4	60.5	60.0	58.7	57.6

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
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 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7287]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.05V I:0.3620A P:100.30W PF:0.9900 Freq:50.00Hz Lamp Flux:13277.4x1 lm		
NAME: ASD-LSB2-100D50B-PC-PRM-SF	TYPE:LED	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	58.6	58.7	58.0	57.1	56.2	55.4	54.2	53.3	51.8	50.3	49.4	49.3	49.3	49.2	48.7	47.1	44.4	42.8	
-170	59.3	59.9	60.1	59.0	57.8	56.4	55.2	54.0	52.2	50.5	49.5	49.4	49.3	49.4	48.9	47.3	44.5	42.8	
-160	57.9	58.5	58.4	58.0	57.3	56.8	55.6	53.8	51.8	50.3	49.5	49.5	49.4	49.8	49.1	47.3	44.4	42.8	
-150	55.5	55.9	56.2	56.1	55.8	55.2	54.0	52.5	50.8	49.8	49.5	49.5	49.7	50.1	49.1	47.3	44.3	42.8	
-140	52.7	53.3	53.7	54.0	53.5	52.8	51.8	50.9	50.0	49.6	49.6	49.8	50.5	50.1	48.9	47.1	44.0	42.8	
-130	50.1	50.7	51.3	51.7	51.9	51.4	50.8	50.4	50.1	50.0	50.2	51.1	50.8	50.0	48.6	46.6	43.5	42.8	
-120	49.4	49.9	50.4	50.9	51.4	51.4	51.1	51.1	51.4	51.8	51.8	51.3	50.6	49.5	47.9	45.7	43.0	42.8	
-110	48.7	49.5	50.2	51.0	51.7	52.0	51.6	51.4	51.2	51.2	51.3	51.1	49.9	48.4	46.6	44.5	42.4	42.8	
-100	43.4	44.5	45.5	46.6	47.6	48.6	48.7	48.9	49.0	49.0	49.0	48.9	47.6	46.2	44.7	43.3	42.4	42.8	
-90	55.6	56.5	57.5	58.4	59.4	60.3	59.2	58.2	57.1	56.1	55.0	53.9	52.1	50.2	48.3	46.5	44.6	42.8	
-80	860	1091	1338	1616	1943	2349	2561	2635	2506	2044	1332	482	240	144	95.8	62.8	49.5	42.8	
-70	2379	2592	2810	3048	3313	3435	3284	3060	2814	2574	2454	2567	2362	1338	337	111	56.0	42.8	
-60	2640	2748	2870	3011	3169	3272	3352	3435	3509	3519	3377	2816	2079	1699	1242	235	70.9	42.8	
-50	2216	2301	2409	2541	2682	2783	2897	3027	3173	3324	3407	3165	2563	1824	1260	591	88.2	42.8	
-40	1892	1941	2012	2112	2206	2330	2484	2653	2826	2997	3131	3170	2791	2096	1216	774	102	42.8	
-30	1704	1741	1790	1842	1916	2021	2156	2331	2518	2694	2872	3013	2944	2076	1453	729	123	42.8	
-20	1610	1652	1677	1708	1763	1849	1959	2094	2261	2457	2661	2853	2901	2232	1551	595	138	42.8	
-10	1523	1565	1604	1635	1675	1747	1844	1964	2110	2295	2505	2721	2823	2328	1427	456	141	42.8	
0	1464	1516	1556	1586	1629	1704	1798	1908	2041	2206	2407	2633	2741	2275	1269	321	134	42.8	
10	1525	1564	1607	1642	1690	1765	1866	1988	2137	2325	2533	2746	2840	2334	1405	432	132	42.8	
20	1607	1646	1685	1732	1800	1894	2009	2148	2321	2516	2717	2902	2933	2236	1493	546	125	42.8	
30	1744	1787	1848	1907	1988	2097	2240	2429	2613	2788	2956	3078	2981	2058	1341	629	110	42.8	
40	1975	2032	2108	2219	2313	2447	2601	2774	2952	3121	3230	3238	2804	2002	1055	565	93.1	42.8	
50	2344	2431	2541	2676	2816	2916	3031	3162	3297	3431	3490	3179	2460	1589	1098	370	80.3	42.8	
60	2752	2859	2979	3118	3277	3368	3429	3497	3537	3489	3278	2561	1730	1459	803	150	65.4	42.8	
70	1716	2055	2382	2702	2999	3128	2977	2787	2528	2251	2076	2175	1771	718	181	89.5	53.5	42.8	
80	682	1168	1658	2156	2662	2971	2666	2158	1520	999	568	189	131	98.8	75.7	57.6	49.2	42.8	
90	46.0	47.7	49.3	50.9	52.5	54.1	54.7	55.2	55.8	56.3	56.8	57.4	55.0	52.5	50.1	47.6	45.2	42.8	
100	49.6	50.8	52.0	53.2	54.5	55.8	56.2	56.6	56.9	57.3	57.8	58.1	55.5	52.8	49.8	46.7	43.8	42.8	
110	51.2	51.8	52.5	53.4	54.6	55.6	55.9	56.1	56.4	56.9	57.6	57.6	55.8	53.6	51.0	47.7	44.0	42.8	
120	52.8	53.2	53.5	53.7	53.9	53.7	53.4	53.3	53.8	55.3	56.6	55.9	55.0	53.5	51.4	48.4	44.5	42.8	
130	54.5	54.9	55.3	55.6	55.7	55.0	54.4	53.9	53.5	53.4	53.4	54.2	54.0	53.0	51.3	48.8	44.8	42.8	
140	57.0	57.5	57.9	58.0	57.6	56.9	56.0	55.0	54.0	53.2	52.6	52.1	52.6	52.2	51.0	48.8	45.0	42.8	
150	59.2	59.8	60.4	60.5	60.1	59.4	58.3	57.0	54.8	53.0	51.9	51.5	51.2	51.7	50.6	48.5	45.1	42.8	
160	60.1	60.8	61.5	62.0	62.0	61.5	59.4	57.0	54.7	52.6	51.4	50.8	50.5	50.7	50.0	48.2	45.0	42.8	
170	59.7	60.8	61.8	61.7	60.6	59.1	57.4	55.7	53.7	51.8	50.5	50.1	49.9	49.8	49.4	47.7	44.8	42.8	
180	58.6	58.7	58.0	57.1	56.2	55.4	54.2	53.3	51.8	50.3	49.4	49.3	49.3	49.2	48.7	47.1	44.4	42.8	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7287]
 Remarks: