

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		348.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-64.0 degrees horizontal

Beam Spread	At 10% of I <sub>max</sub>	142.9V x 162.2H
	At 50% of I <sub>max</sub>	115.6V x 153.8H
	At 90% of I <sub>max</sub>	47.6V x 147.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of I <sub>max</sub>	953.6 lumens per klm.
	To 50% of I <sub>max</sub>	798.4 lumens per klm.
	To 90% of I <sub>max</sub>	66.4 lumens per klm.

Upward LOR	2.6 %
Downward LOR	97.4 %

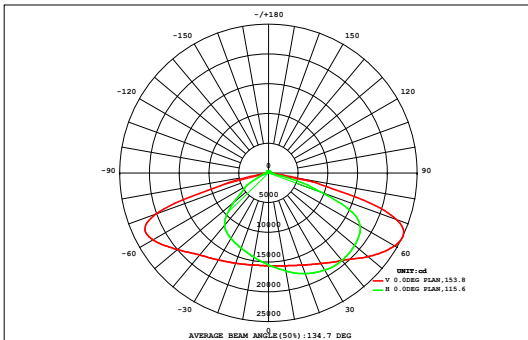
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

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=0.7688]  
 Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:278.60V I:1.8100A P:504.40W PF:0.9830 Freq:50.00Hz Lamp Flux:71706.7x1 lm		
NAME: ASD-LSB2-500D50B-PRM	TYPE:LED	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:142.16lm/W	
MODEASD-LSB2-500D50B-PRM		Imax (cd)	24988
NOMINAL POWER (W)	500	AVAILABILITY (%)	95.5
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	68479
NOMINAL FLUX (lm)	71706.7	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	71707
TEST VOLTAGE (V)	278.6	θ @50% (H,V)	154,116DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.85	2.65	4.51	6.52	8.84	11.2	12.9	13.4	12.9	12.3	11.7	10.6	9.39	7.75	5.81	3.81	2.02	0.61		
90	0.85	2.65	4.51	6.52	8.84	11.2	12.9	13.4	12.9	12.3	11.7	10.6	9.39	7.75	5.81	3.81	2.02	0.61	138	0.00
80	0.99	3.93	9.46	16.5	24.7	32.0	35.8	34.9	31.3	28.4	26.5	23.0	20.7	18.1	13.2	6.98	2.71	0.65	330	0.00
70	1.18	7.29	26.3	31.1	57.0	71.5	69.9	78.3	78.6	74.0	65.1	51.1	41.0	31.3	23.9	15.9	4.32	0.74	728	317
60	1.41	17.5	60.0	90.6	129	148	154	172	176	168	152	125	98.0	64.0	42.7	39.6	8.14	0.86	1646	1581
50	1.72	33.7	119	165	192	237	267	294	304	295	266	216	167	114	99.2	82.8	17.6	1.02	2871	2860
40	2.28	54.0	179	230	267	316	348	366	375	368	346	308	249	179	168	137	31.3	1.20	3925	3917
30	3.00	76.9	225	290	332	359	385	401	404	394	376	347	302	263	232	187	48.9	1.39	4625	4619
	3.72	97.4	264	339	378	398	415	430	429	418	403	379	355	328	290	230	66.8	1.56	5226	5220
	4.27	113	299	383	418	437	451	457	457	448	440	429	408	381	344	269	80.7	1.68	5821	5816
	4.31	117	311	402	446	474	488	493	492	489	484	471	450	417	372	286	84.9	1.76	6283	6277
	3.80	107	298	396	460	511	534	533	532	527	520	513	488	440	377	279	78.5	1.77	6598	6593
	3.08	91.4	280	388	468	535	558	561	563	561	556	546	522	461	380	265	65.9	1.66	6806	6800
-30	2.31	70.2	251	371	458	526	558	572	582	584	577	558	527	467	373	239	49.6	1.45	6766	6759
-40	1.77	47.2	202	339	430	504	545	571	582	584	577	556	518	449	349	191	32.8	1.18	6482	6472
-50	1.50	24.4	135	273	375	457	513	550	564	568	561	533	484	406	293	125	17.4	0.97	5881	5866
-60	1.28	8.11	62.5	160	240	302	358	418	445	457	457	429	372	289	177	57.8	7.79	0.83	4242	4216
-70	1.06	4.67	11.7	38.4	67.9	81.3	95.0	120	130	149	172	171	143	95.1	49.7	15.6	3.58	0.71	1350	1165
-80	0.86	2.95	5.84	8.46	9.90	10.8	11.7	12.9	13.5	14.0	14.1	13.0	12.2	10.4	7.83	4.95	2.25	0.60	156	0.00
-90	0.86	2.95	5.84	8.46	9.90	10.8	11.7	12.9	13.5	14.0	14.1	13.0	12.2	10.4	7.83	4.95	2.25	0.60	156	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	39.4	879	2742	3927	4761	5409	5799	6077	6171	6139	6005	5680	5166	4420	3598	2435	605	20.6	69874	---
Φ a	7.44	830	2691	3855	4685	5319	5692	5975	6067	6037	5907	5584	5070	4324	3513	2379	543	0.00	---	68479

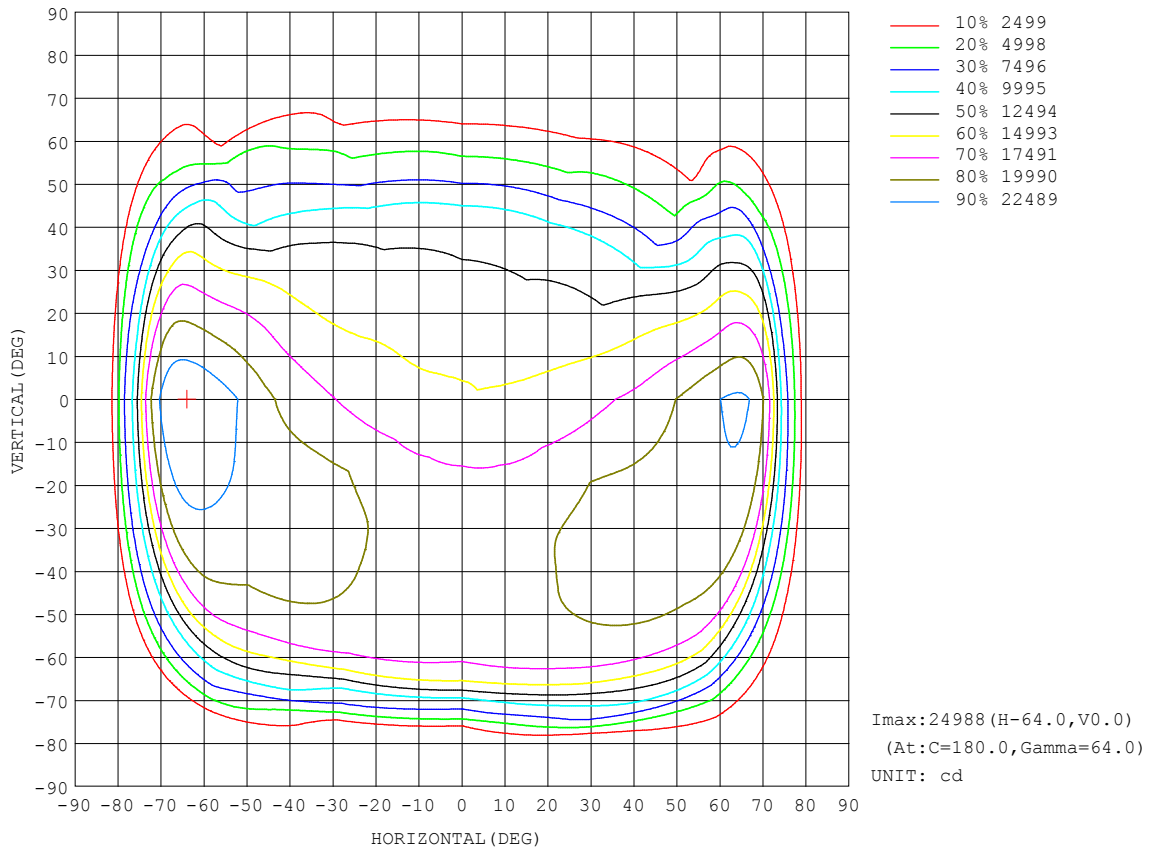
one-half-peak spread: U:31.8,D:46.1 , L:14.3,R:11.6 NEMA Beam Type: Type 7

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=0.7688]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:278.60V I:1.8100A P:504.40W PF:0.9830 Freq:50.00Hz Lamp Flux:71706.7x1 lm		
NAME: ASD-LSB2-500D50B-PRM	TYPE:LED	
MFR.: ASD LIGHTING CORP		

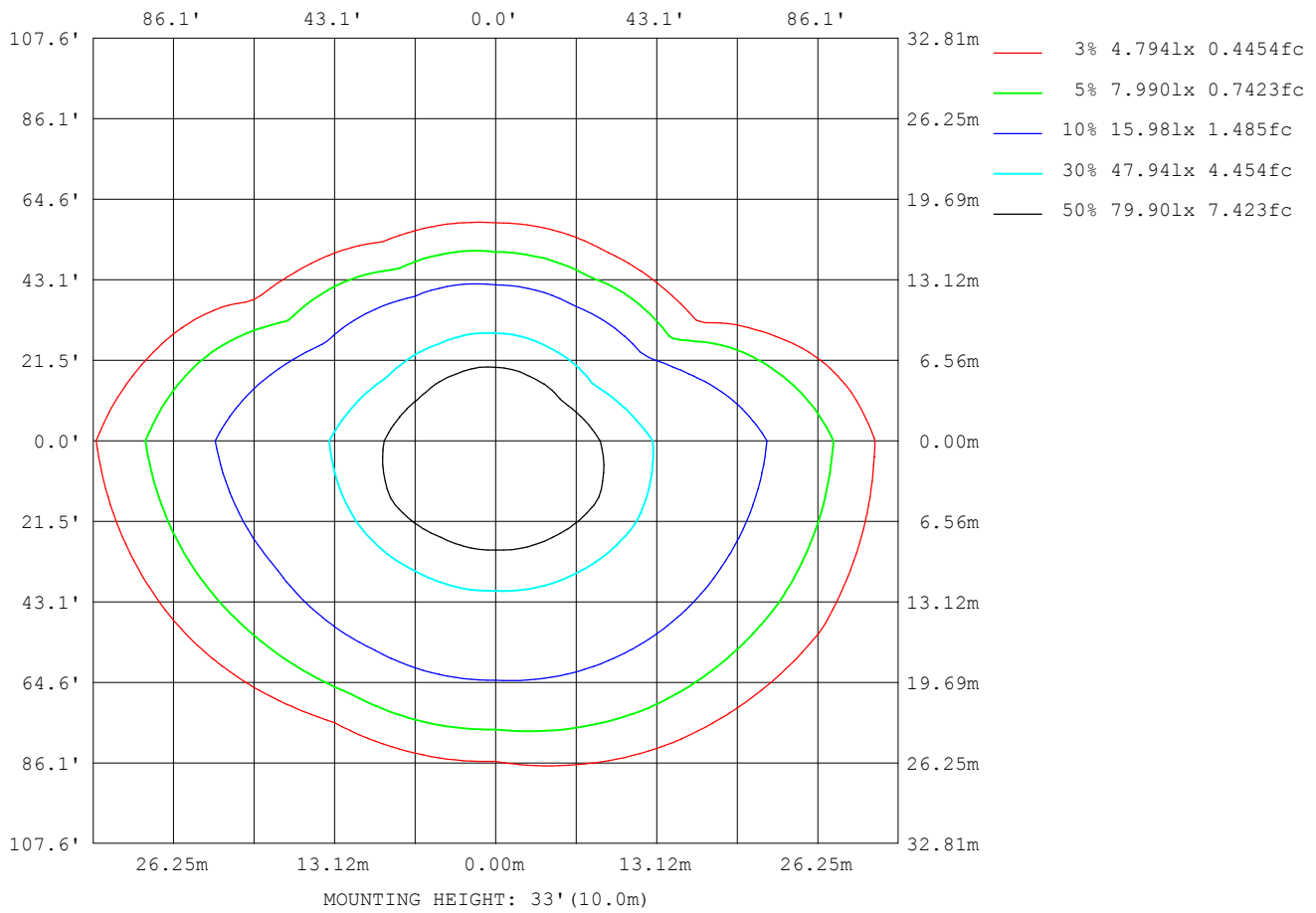


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
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 Test Date:2020-4-28

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=0.7688]  
 Remarks:

**ISOLUX DIAGRAM**

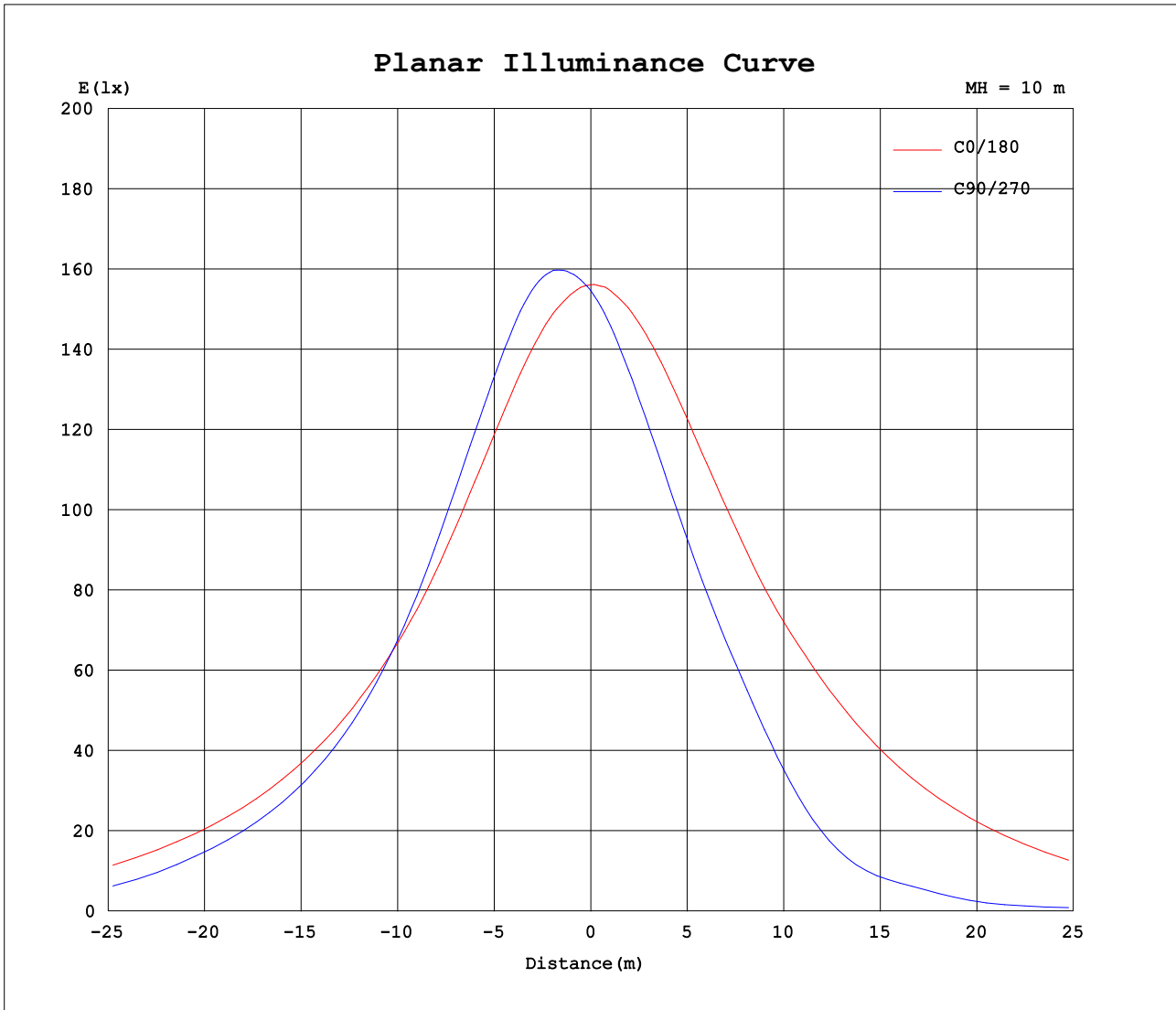
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 Humidity:65.0%  
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 Remarks:

**Planar Illuminance Curve**

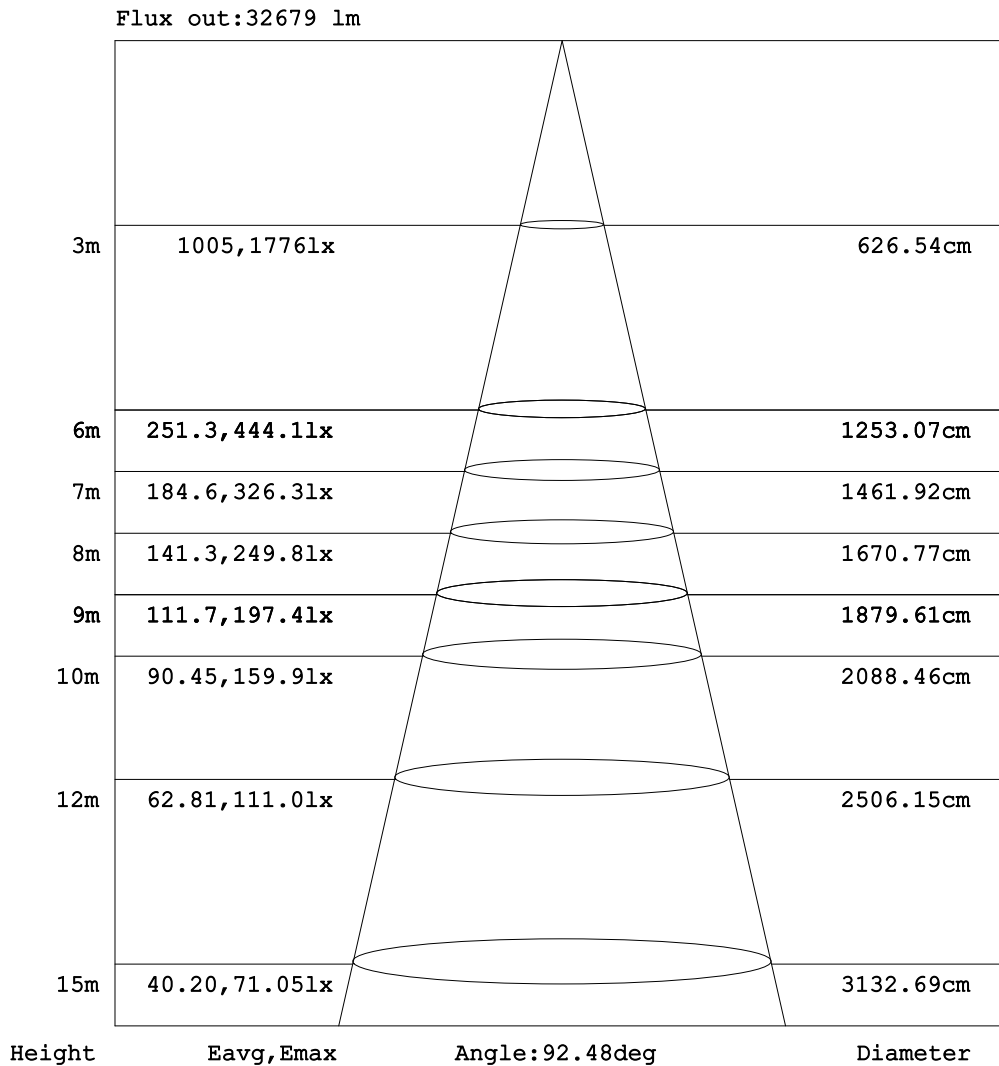


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.267  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7688]  
 Remarks:

**AAI Figure**

Test:U:278.60V I:1.8100A P:504.40W PF:0.9830 Freq:50.00Hz Lamp Flux:71706.7x1 lm		
NAME: ASD-LSB2-500D50B-PRM	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=0.7688]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:278.60V I:1.8100A P:504.40W PF:0.9830 Freq:50.00Hz Lamp Flux:71706.7x1 lm		
NAME: ASD-LSB2-500D50B-PRM	TYPE:LED	
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
-180	31.1	29.2	30.6	30.9	30.7	32.0	33.3	34.2	35.1	36.6	38.3	40.0	41.6	42.8	43.7	44.4	44.9	45.0	41.9
-170	31.1	28.7	29.7	29.6	29.1	29.9	30.7	31.1	31.4	32.1	32.8	33.4	33.8	33.9	33.5	33.7	35.5	37.1	38.5
-160	31.1	28.1	28.7	28.2	27.4	27.6	28.0	28.0	27.8	27.6	27.3	26.9	26.4	27.9	29.5	31.0	32.3	33.7	34.6
-150	31.1	27.5	27.7	26.9	25.8	25.3	25.2	24.9	24.3	23.5	22.8	23.7	24.6	25.6	26.6	27.6	28.8	29.9	30.7
-140	31.1	26.9	26.7	25.6	24.4	23.1	22.5	21.8	20.9	20.8	21.4	22.0	22.6	23.2	23.8	24.8	25.7	26.4	27.0
-130	31.1	26.4	25.6	24.4	22.8	21.2	19.8	18.8	18.7	19.1	19.5	19.9	20.2	20.6	21.2	22.0	22.6	23.1	23.5
-120	31.1	26.0	24.5	23.1	21.3	19.4	17.6	16.3	16.5	16.8	17.1	17.3	17.4	17.6	18.2	18.7	19.2	19.5	19.8
-110	31.1	26.1	23.5	21.7	19.7	17.6	15.4	14.7	14.6	14.6	14.5	14.4	14.3	14.5	14.9	15.2	15.5	15.7	15.9
-100	31.1	27.1	23.6	20.6	18.2	15.8	13.5	13.1	12.9	12.7	12.4	12.1	11.8	11.9	12.0	12.2	12.3	12.4	12.4
-90	31.1	29.5	27.9	26.3	24.6	23.0	21.4	20.7	20.1	19.4	18.7	18.0	17.4	17.2	17.1	16.9	16.7	16.6	16.4
-80	31.1	34.0	40.1	48.4	57.2	64.0	67.4	65.6	64.9	65.1	68.8	74.1	68.4	69.0	70.7	72.1	73.0	73.5	73.6
-70	31.1	39.4	53.7	67.6	81.4	156	377	576	631	680	751	796	809	820	853	888	916	928	923
-60	31.1	45.0	66.7	116	397	778	1047	1274	1411	1490	1562	1633	1685	1723	1760	1779	1787	1786	1778
-50	31.1	50.2	84.8	364	857	1321	1668	1817	1864	1914	1946	1962	1960	1941	1933	1926	1916	1905	1892
-40	31.1	55.1	146	712	1292	1828	2025	2054	2055	2076	2088	2077	2048	2007	1960	1949	1939	1929	1919
-30	31.1	59.7	243	913	1731	2123	2197	2186	2170	2169	2175	2144	2094	2035	1978	1934	1914	1898	1887
-20	31.1	63.4	347	1109	2002	2289	2302	2255	2207	2166	2139	2125	2097	1995	1918	1865	1832	1811	1802
-10	31.1	65.8	426	1299	2179	2402	2377	2293	2197	2104	2030	1975	1909	1850	1799	1750	1711	1690	1672
0	31.1	66.6	455	1385	2288	2498	2449	2329	2186	2041	1922	1836	1757	1697	1649	1612	1584	1569	1561
10	31.1	65.3	411	1220	2045	2226	2171	2076	1968	1850	1749	1673	1613	1570	1536	1504	1478	1456	1437
20	31.1	62.3	324	967	1738	1947	1887	1811	1744	1666	1580	1513	1462	1449	1436	1419	1397	1377	1348
30	31.1	57.9	228	738	1356	1637	1582	1495	1446	1412	1374	1369	1359	1342	1322	1305	1302	1290	1270
40	31.1	52.7	145	542	883	1206	1263	1130	1033	1061	1114	1144	1153	1159	1152	1170	1174	1169	1154
50	31.1	47.5	83.5	278	513	674	779	773	714	736	757	756	747	734	763	791	800	788	758
60	31.1	42.5	61.5	116	246	331	287	236	378	462	451	428	416	409	425	433	437	436	428
70	31.1	37.8	46.9	59.6	80.0	120	131	131	142	151	163	175	176	169	163	159	154	148	140
80	31.1	33.5	36.5	39.6	42.9	46.5	49.7	56.9	64.1	72.0	79.2	84.9	88.3	86.9	84.2	80.3	75.6	70.0	63.9
90	31.1	30.3	29.6	28.8	28.1	27.3	26.6	26.0	25.4	24.8	24.1	23.5	22.9	22.7	22.6	22.4	22.2	22.0	21.9
100	31.1	28.5	27.4	27.0	27.0	27.0	27.1	27.1	27.1	27.0	27.0	26.9	26.7	26.9	27.0	27.2	27.3	27.3	27.4
110	31.1	27.9	27.7	28.2	28.7	29.1	29.4	29.5	29.6	29.7	29.9	30.0	30.1	30.3	30.6	30.8	31.0	31.1	31.2
120	31.1	27.9	28.6	29.4	29.8	30.1	30.5	31.0	31.3	31.7	32.0	32.2	32.4	32.5	32.8	33.0	33.2	33.4	33.5
130	31.1	28.1	29.3	30.1	30.4	30.8	31.3	32.2	32.9	33.3	33.5	33.6	33.7	33.8	34.1	34.4	34.7	35.0	35.1
140	31.1	28.4	29.8	30.4	30.8	31.1	32.1	33.1	33.8	34.0	34.2	34.4	34.8	35.3	35.8	36.4	36.9	37.3	37.6
150	31.1	28.7	30.2	30.6	30.8	31.6	32.8	33.6	34.1	34.5	35.0	35.9	36.8	37.6	38.3	38.9	39.6	40.0	40.3
160	31.1	28.9	30.4	30.8	30.8	31.9	33.1	33.9	34.5	35.2	36.4	37.6	38.8	40.0	40.8	41.4	41.8	42.2	42.3
170	31.1	29.1	30.5	30.9	30.8	32.0	33.3	34.1	34.8	36.1	37.6	39.2	40.6	41.8	42.6	43.1	43.2	43.1	43.0
180	31.1	29.2	30.6	30.9	30.7	32.0	33.3	34.2	35.1	36.6	38.3	40.0	41.6	42.8	43.7	44.4	44.9	45.0	41.8

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 Test Speed: HIGH  
 Temperature:25.3DEG  
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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=0.7688]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:278.60V I:1.8100A P:504.40W PF:0.9830 Freq:50.00Hz Lamp Flux:71706.7x1 lm		
NAME: ASD-LSB2-500D50B-PRM	TYPE:LED	
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	
-180	44.5	44.2	43.2	41.8	40.4	39.2	37.9	36.4	34.7	33.2	32.2	31.4	30.4	29.3	28.5	27.4	25.1	21.7	
-170	39.2	39.7	39.6	38.9	38.0	37.1	36.1	34.9	33.5	32.2	31.3	30.5	29.5	28.5	27.9	26.9	24.8	21.7	
-160	35.3	35.5	35.5	35.4	35.0	34.5	33.8	32.9	31.9	30.9	30.1	29.3	28.4	27.6	27.2	26.3	24.4	21.7	
-150	31.3	31.6	31.7	31.7	31.7	31.5	31.2	30.8	30.1	29.3	28.6	27.9	27.1	26.6	26.4	25.7	24.0	21.7	
-140	27.6	28.0	28.2	28.2	28.4	28.4	28.3	28.1	27.7	27.3	26.7	26.1	25.7	25.5	25.4	24.9	23.5	21.7	
-130	24.1	24.5	24.7	24.8	24.9	25.1	25.1	25.1	25.0	24.7	24.4	24.2	24.2	24.4	24.3	24.0	22.9	21.7	
-120	20.3	20.7	21.0	21.1	21.2	21.4	21.7	21.8	21.9	21.9	22.0	22.3	22.7	22.9	23.1	22.9	22.3	21.7	
-110	16.3	16.7	17.0	17.2	17.3	17.5	18.0	18.6	19.0	19.5	19.8	20.2	20.8	21.3	21.6	21.7	21.7	21.7	
-100	12.8	13.1	13.5	13.8	14.0	14.3	15.0	15.6	16.2	16.8	17.3	17.8	18.6	19.3	20.0	20.6	21.2	21.7	
-90	16.1	15.8	15.5	15.2	14.9	14.7	15.6	16.5	17.4	18.3	19.3	20.2	20.5	20.7	21.0	21.2	21.5	21.7	
-80	87.5	99.0	106	107	99.6	98.8	117	124	118	97.3	73.8	64.4	54.3	44.5	35.6	27.9	22.8	21.7	
-70	999	1056	1094	1115	1114	1099	1079	1039	944	766	588	409	223	104	51.1	36.2	25.2	21.7	
-60	1802	1820	1833	1840	1841	1835	1816	1774	1703	1596	1418	1077	664	303	118	44.9	27.9	21.7	
-50	1914	1935	1955	1974	1993	2019	2035	2038	2019	1973	1902	1711	1207	674	226	65.2	30.7	21.7	
-40	1935	1952	1968	1985	2025	2069	2110	2138	2150	2134	2094	2021	1763	1036	414	96.9	33.3	21.7	
-30	1898	1918	1946	1976	2015	2062	2119	2174	2176	2172	2174	2154	2031	1461	633	121	35.4	21.7	
-20	1798	1810	1830	1867	1928	2009	2044	2069	2100	2135	2180	2211	2167	1785	788	142	36.8	21.7	
-10	1672	1685	1709	1739	1778	1827	1880	1927	1992	2068	2153	2231	2241	1941	848	151	37.3	21.7	
0	1561	1571	1590	1615	1648	1689	1741	1801	1891	2006	2128	2246	2292	2010	846	141	36.9	21.7	
10	1423	1415	1415	1437	1465	1493	1531	1584	1653	1729	1817	1924	1991	1751	757	132	36.7	21.7	
20	1340	1322	1324	1324	1309	1280	1311	1354	1392	1428	1494	1612	1668	1429	630	109	35.5	21.7	
30	1263	1251	1233	1226	1210	1179	1127	1044	1027	1052	1143	1293	1306	998	447	85.2	33.6	21.7	
40	1146	1127	1094	1037	993	926	847	746	634	617	800	890	918	562	244	67.4	31.0	21.7	
50	752	726	681	619	567	551	527	479	427	353	340	512	447	313	109	50.3	28.4	21.7	
60	425	412	389	348	294	265	247	216	182	166	157	215	205	111	64.0	38.4	25.8	21.7	
70	139	137	132	126	119	113	113	114	115	113	107	96.3	76.5	55.1	40.1	30.1	23.8	21.7	
80	63.3	62.2	60.7	58.8	56.4	54.8	56.7	56.7	54.6	51.7	47.5	42.1	36.2	31.7	28.1	24.9	22.7	21.7	
90	22.2	22.6	22.9	23.2	23.6	23.9	24.3	24.8	25.2	25.6	26.0	26.5	25.7	24.9	24.1	23.3	22.5	21.7	
100	27.7	27.9	28.2	28.4	28.5	28.7	28.8	28.9	28.9	28.9	28.9	28.8	27.7	26.6	25.4	24.1	22.9	21.7	
110	31.5	31.7	31.9	32.1	32.2	32.2	32.1	32.0	31.9	31.7	31.5	31.0	29.8	28.4	26.9	25.2	23.4	21.7	
120	33.8	34.2	34.4	34.6	34.7	34.6	34.4	34.1	33.9	33.5	33.1	32.1	30.9	29.6	28.1	26.1	23.9	21.7	
130	35.5	35.8	36.1	36.3	36.5	36.3	36.1	35.8	35.5	35.1	34.2	32.8	31.4	30.2	28.7	26.9	24.3	21.7	
140	37.8	37.9	37.9	37.9	37.6	37.2	36.9	36.6	36.4	35.8	34.6	33.2	31.7	30.4	29.1	27.4	24.7	21.7	
150	40.5	40.5	40.4	39.8	39.2	38.5	37.8	37.3	36.3	35.4	34.4	33.2	31.7	30.4	29.2	27.6	24.9	21.7	
160	42.5	42.6	42.2	41.5	40.7	39.8	38.6	37.2	35.9	34.8	33.9	32.8	31.5	30.2	29.1	27.6	25.1	21.7	
170	43.0	42.8	42.6	42.1	41.1	39.9	38.6	37.1	35.5	34.1	33.1	32.2	31.1	29.8	28.8	27.5	25.1	21.7	
180	44.5	44.2	43.2	41.8	40.4	39.2	37.9	36.4	34.7	33.2	32.2	31.4	30.4	29.3	28.5	27.4	25.1	21.7	

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=0.7688]  
 Remarks: