

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		324.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-68.0 degrees horizontal

Beam Spread	At 10% of Imax	140.1V x 162.5H
	At 50% of Imax	115.3V x 154.2H
	At 90% of Imax	50.0V x 148.5H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	954.9 lumens per klm.
	To 50% of Imax	827.5 lumens per klm.
	To 90% of Imax	163.8 lumens per klm.

Upward LOR	2.7 %
Downward LOR	97.4 %

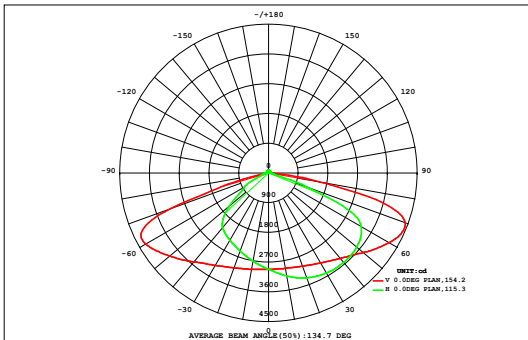
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

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=0.7250]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.65V I:0.3738A P:103.80W PF:0.9900 Freq:50.00Hz Lamp Flux:13675.2x1 lm	
NAME: ASD-LSB2-100D30B-PRM	TYPE:LED
MFR.: ASD LIGHTING CORP	



DATA OF LAMP		Eff:131.75lm/W	
MODEASD-LSB2-100D30B-PRM		Imax (cd)	4442
NOMINAL POWER (W)	102	AVAILABILITY (%)	95.6
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	13069
NOMINAL FLUX (lm)	13675.2	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	13675
TEST VOLTAGE (V)	277	θ @50% (H, V)	154,115DEG

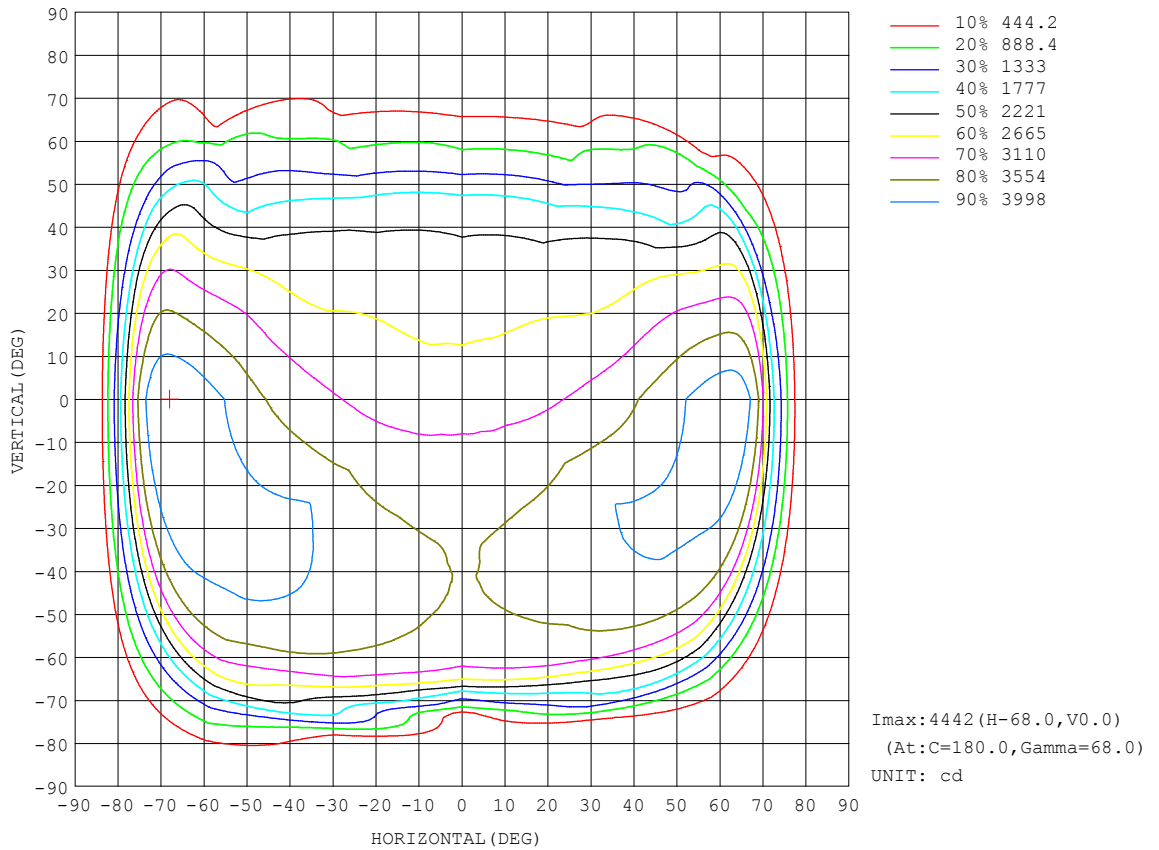
VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm				Φ t	Φ a
	0.25	0.79	1.37	2.00	2.64	3.13	3.42	3.50	3.37	3.17	2.93	2.54	2.04	1.55	1.10	0.71	0.38	0.12	35.0		
80	0.30	1.30	3.20	4.14	5.62	7.03	7.26	7.03	6.31	6.12	6.48	6.36	5.44	4.01	2.47	1.16	0.44	0.12	74.8	0.00	
70	0.37	2.99	7.67	8.92	14.6	15.8	15.5	17.0	16.9	16.2	15.0	12.4	12.3	9.11	4.67	2.35	0.64	0.12	173	124	
60	0.48	6.19	16.8	21.2	25.9	30.1	31.2	34.7	35.1	34.0	31.7	27.4	26.4	23.0	14.1	5.50	1.00	0.13	365	359	
50	0.69	10.6	27.6	31.6	38.4	46.5	52.2	57.2	59.0	58.2	54.7	48.3	42.8	34.3	28.6	13.9	1.94	0.15	607	605	
40	1.04	15.5	35.4	43.1	50.6	58.6	64.5	67.9	69.4	69.1	66.7	63.0	57.4	48.4	40.5	25.5	3.71	0.16	780	779	
30	1.40	20.0	41.9	52.4	59.7	64.9	70.7	73.5	74.5	74.7	73.4	70.1	64.9	60.0	51.4	35.4	5.90	0.18	895	894	
	1.69	23.8	47.8	59.6	66.5	71.5	76.3	78.9	79.6	80.1	79.5	76.4	72.4	68.4	60.2	43.4	8.28	0.19	995	994	
	1.89	26.7	53.4	66.1	72.8	77.8	81.8	84.1	85.4	85.6	85.0	83.1	79.8	75.8	67.9	49.9	10.2	0.20	1088	1087	
	1.92	27.5	55.8	70.0	78.3	84.1	87.7	90.2	91.8	92.4	91.7	89.9	86.6	81.1	71.6	52.1	10.7	0.20	1163	1163	
	1.79	26.2	55.0	71.3	83.0	91.5	95.4	97.2	99.1	99.6	98.8	98.2	93.4	84.2	71.6	49.8	9.63	0.19	1226	1225	
	1.54	23.8	53.8	72.4	87.5	98.5	101	103	105	105	105	103	98.4	86.7	71.0	45.5	7.76	0.18	1269	1268	
-30	1.19	20.2	51.5	72.1	89.3	99.7	104	107	108	108	106	103	97.8	86.3	68.3	38.1	5.45	0.17	1265	1264	
-40	0.82	15.2	46.6	69.3	86.6	98.1	104	107	108	108	106	101	94.6	81.5	61.3	27.0	3.04	0.15	1218	1216	
-50	0.55	9.70	36.7	62.0	79.5	92.6	100	104	105	104	102	95.7	85.9	69.3	44.8	14.5	1.36	0.13	1108	1105	
-60	0.40	4.92	21.5	44.9	61.1	72.3	80.2	82.3	79.3	76.9	74.6	66.8	56.0	39.9	20.0	4.76	0.68	0.11	787	782	
-70	0.32	1.81	8.13	18.0	26.3	31.9	32.4	27.5	17.7	14.1	17.4	17.1	12.6	7.33	3.49	1.25	0.41	0.10	238	205	
-80	0.26	0.88	1.79	3.05	3.78	3.12	2.24	2.23	1.94	1.67	1.52	1.30	1.17	1.03	0.78	0.49	0.29	0.10	27.6	0.00	
-90																					
	Φ t	16.9	238	566	772	932	1047	1111	1145	1144	1136	1118	1066	990	862	684	411	71.8	2.70	13313	---
	Φ a	10.7	230	558	760	919	1032	1092	1127	1125	1117	1098	1047	974	848	671	400	59.9	0.00	---	13069

one-half-peak spread: U:26.9,D:84.6 , L:12.5,R:11.8 NEMA Beam Type: Type 7

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Temperature:25.3DEG	Humidity:65.0%
Operators:S	Test Distance:8.000m [K=0.7250]
Test Date:2020-4-28	Remarks:

ISOCANDELA DIAGRAM

Test:U:277.65V I:0.3738A P:103.80W PF:0.9900 Freq:50.00Hz Lamp Flux:13675.2x1 lm		
NAME: ASD-LSB2-100D30B-PRM	TYPE:LED	
MFR.: ASD LIGHTING CORP		

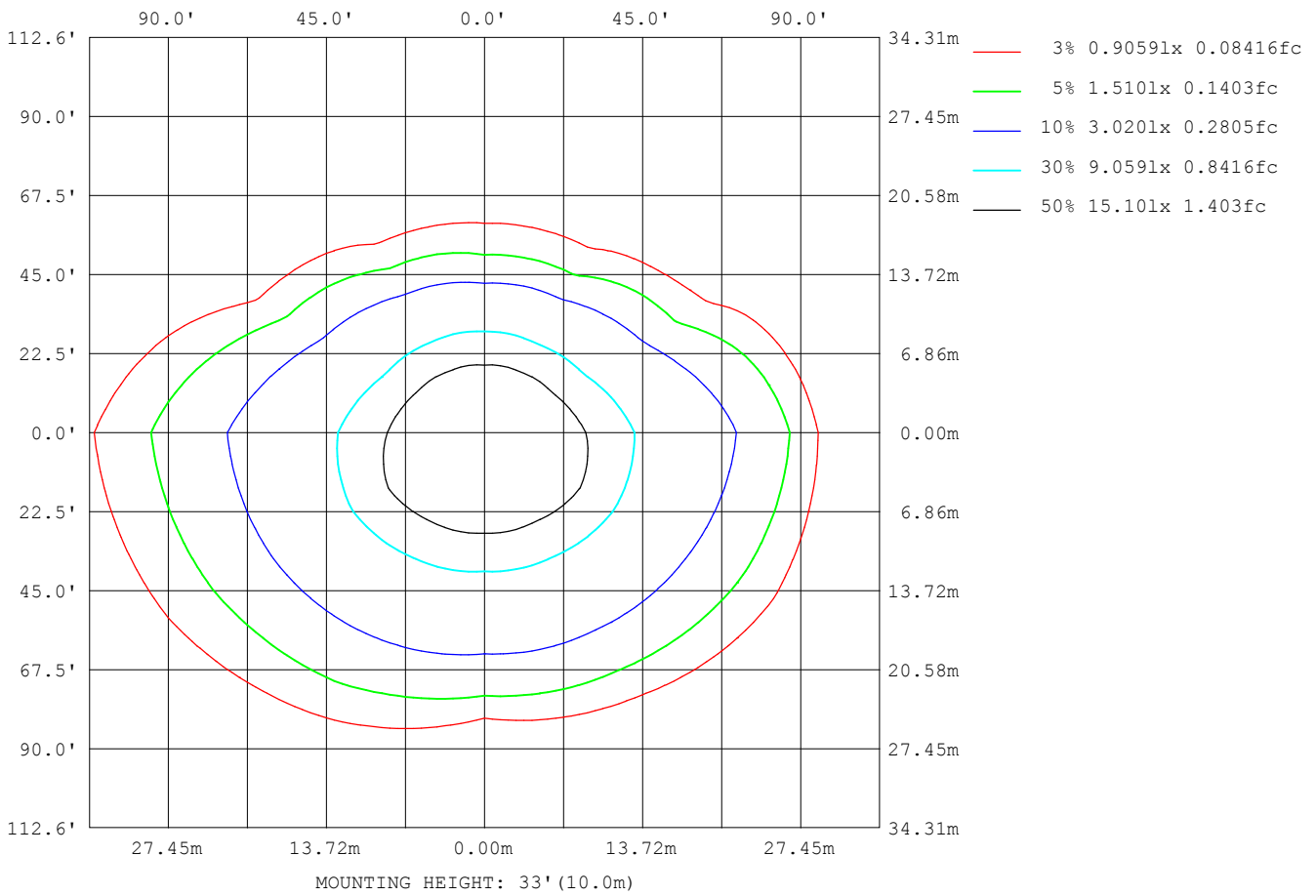


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 2020-4-28

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=0.7250]
 Remarks:

ISOLUX DIAGRAM

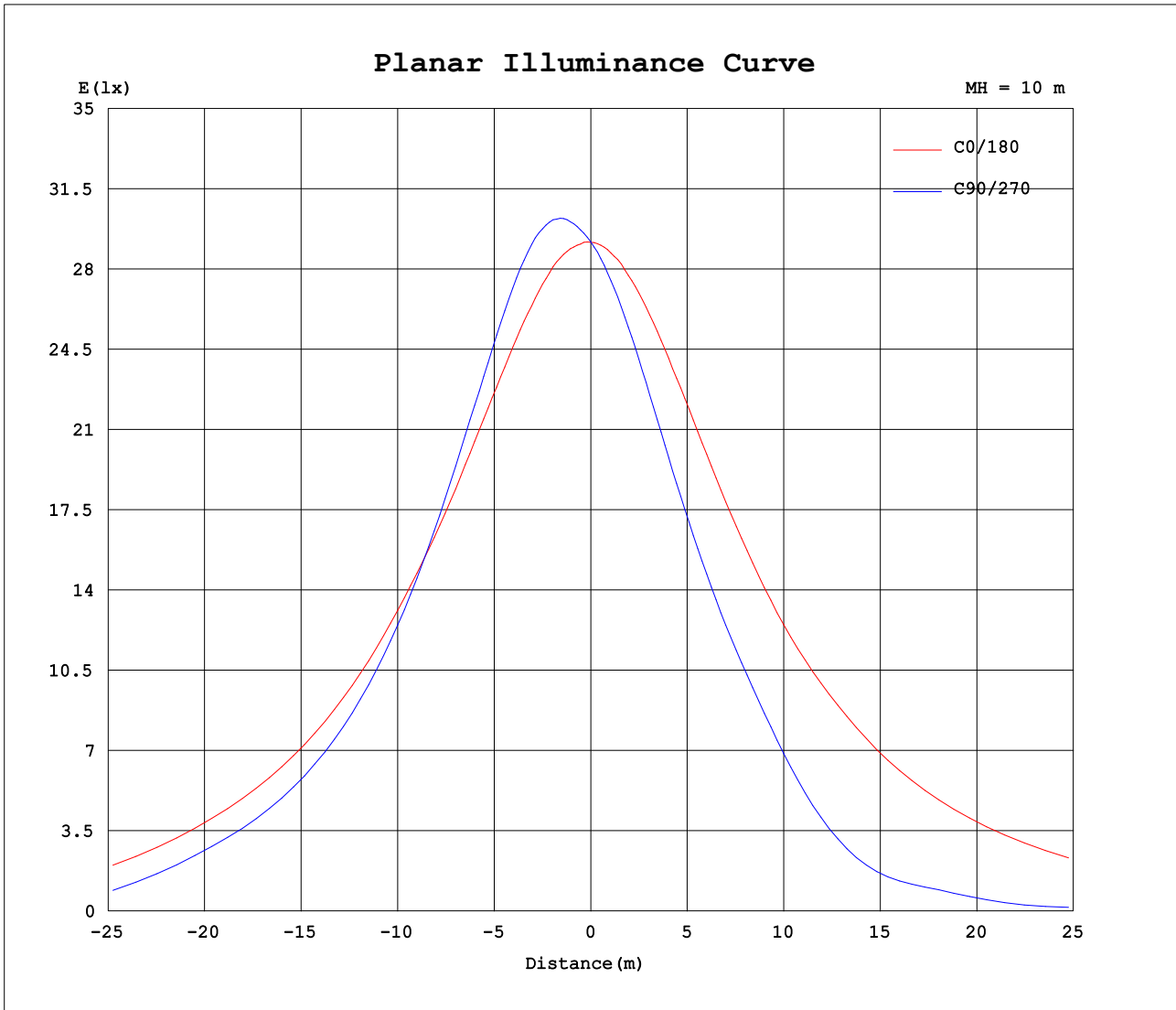
Test:U:277.65V I:0.3738A P:103.80W PF:0.9900 Freq:50.00Hz Lamp Flux:13675.2x1 lm		
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7250]
 Remarks:

Planar Illuminance Curve

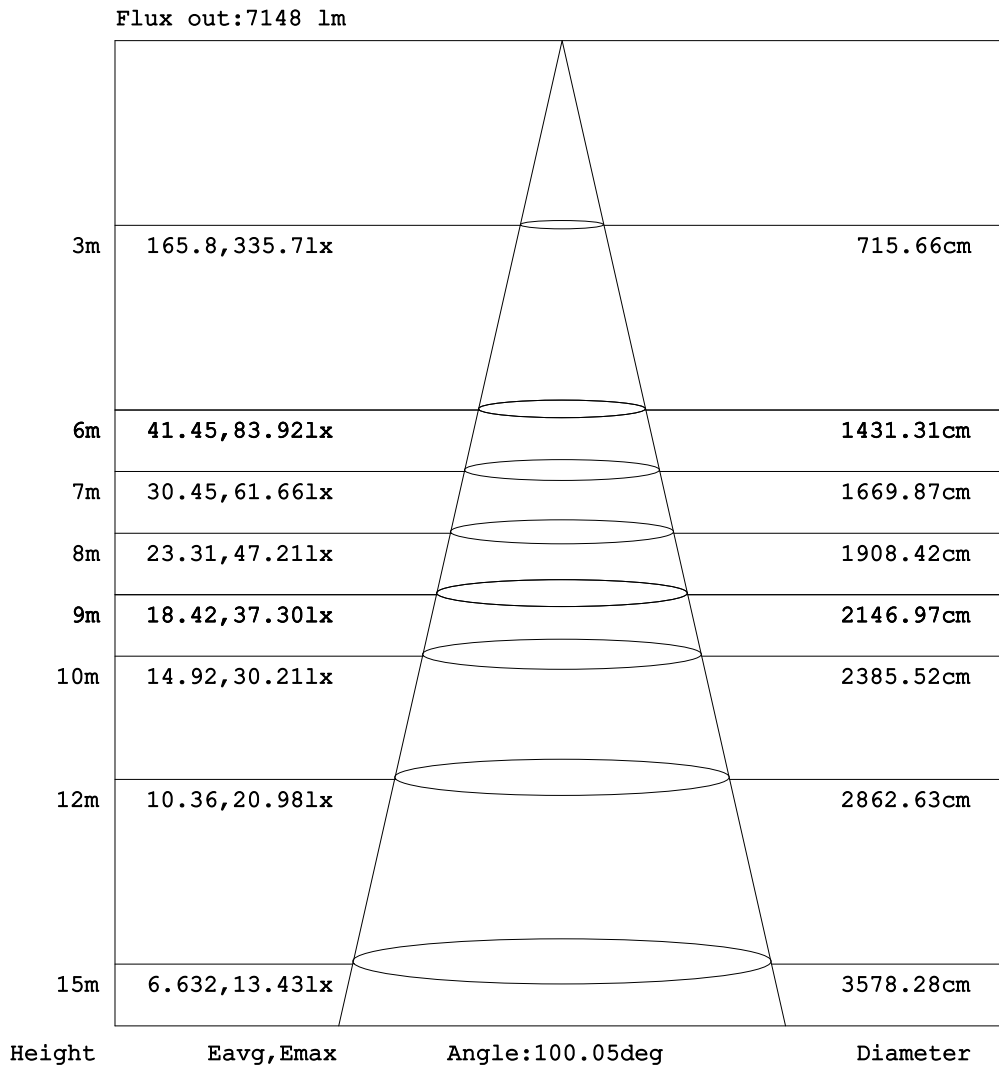


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-4-28

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=0.7250]
 Remarks:

AAI Figure

Test:U:277.65V I:0.3738A P:103.80W PF:0.9900 Freq:50.00Hz Lamp Flux:13675.2x1 lm		
NAME: ASD-LSB2-100D30B-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=0.7250]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.65V I:0.3738A P:103.80W PF:0.9900 Freq:50.00Hz Lamp Flux:13675.2x1 lm		
NAME: ASD-LSB2-100D30B-PRM	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	87.9	53.0	56.6	58.4	59.5	60.9	63.7	66.0	68.0	70.4	73.8	77.3	80.6	83.3	85.2	86.4	87.3	87.5	83.8
-170	87.9	52.4	55.1	56.5	57.1	57.9	59.9	61.2	62.2	63.3	65.1	66.9	68.4	69.1	68.6	68.8	71.3	73.6	77.2
-160	87.9	51.8	53.5	54.5	54.6	54.6	55.7	56.3	56.3	56.1	56.2	56.3	56.4	58.8	61.0	62.9	64.9	67.6	69.6
-150	87.9	51.3	51.6	52.4	51.9	51.3	51.4	51.4	50.7	49.5	48.6	50.0	51.6	53.0	54.2	55.6	57.8	59.7	60.9
-140	87.9	51.6	49.7	50.0	49.0	48.1	47.1	46.6	45.6	45.2	45.6	46.2	46.9	47.8	48.4	49.9	51.3	52.4	53.2
-130	87.9	53.6	47.7	47.3	46.3	44.7	43.2	41.7	41.4	41.6	41.8	41.9	42.1	42.3	43.2	44.4	45.3	46.0	46.5
-120	87.9	58.7	46.3	44.4	43.0	41.2	39.1	37.5	37.2	36.9	36.6	36.3	35.9	35.9	36.8	37.6	38.2	38.5	38.7
-110	87.9	66.2	48.1	42.0	39.4	37.0	34.5	33.4	32.9	32.1	31.2	30.2	29.2	29.3	29.8	30.3	30.6	30.8	31.0
-100	87.9	75.6	62.2	49.3	39.5	33.6	29.9	29.0	28.2	27.3	26.3	25.2	24.0	24.0	24.1	24.1	24.1	24.0	23.9
-90	87.9	87.5	87.2	86.8	86.5	86.1	85.8	76.9	68.0	59.1	50.2	41.3	32.4	30.4	28.4	26.4	24.4	22.4	20.4
-80	87.9	102	118	141	175	232	357	456	491	475	411	320	206	204	213	204	182	150	112
-70	87.9	119	168	302	667	1066	1464	1782	2064	2277	2281	2184	2092	2009	1943	1839	1677	1478	1248
-60	87.9	138	262	836	1490	2281	2920	3201	3310	3385	3460	3504	3502	3480	3451	3411	3361	3303	3234
-50	87.9	158	518	1429	2552	3360	3709	3826	3884	3916	3904	3868	3810	3738	3682	3632	3584	3536	3486
-40	87.9	178	896	2066	3402	3907	4032	4084	4119	4124	4071	3989	3888	3780	3681	3641	3605	3571	3536
-30	87.9	200	1197	2784	3864	4148	4177	4156	4145	4148	4136	4005	3871	3748	3650	3588	3545	3514	3493
-20	87.9	216	1400	3269	4135	4268	4219	4125	4049	3971	3912	3853	3751	3582	3477	3420	3393	3370	3378
-10	87.9	224	1527	3538	4292	4340	4214	4053	3892	3738	3628	3512	3400	3307	3234	3183	3155	3155	3160
0	87.9	223	1572	3673	4399	4404	4215	3986	3748	3532	3379	3246	3144	3067	3000	2959	2929	2918	2918
10	87.9	218	1457	3328	3995	3960	3796	3612	3420	3232	3097	2995	2926	2872	2818	2765	2732	2718	2713
20	87.9	207	1278	2864	3562	3514	3365	3229	3096	2946	2818	2727	2676	2669	2642	2596	2552	2543	2519
30	87.9	190	1050	2250	3049	3051	2876	2760	2678	2588	2501	2492	2480	2461	2433	2402	2398	2381	2351
40	87.9	170	749	1524	2361	2557	2331	2140	2050	2092	2141	2168	2180	2192	2179	2200	2202	2192	2169
50	87.9	151	396	997	1498	1804	1783	1467	1403	1487	1519	1523	1520	1507	1559	1603	1615	1595	1544
60	87.9	133	205	553	794	892	845	862	975	935	924	934	901	840	854	871	877	868	847
70	87.9	116	150	201	334	428	330	286	309	359	429	428	362	324	314	306	297	283	265
80	87.9	98.7	111	123	136	151	164	176	186	193	196	197	197	194	189	180	170	159	146
90	87.9	85.5	83.2	80.8	78.4	76.1	73.7	72.6	71.5	70.4	69.3	68.1	67.0	63.9	60.7	57.6	54.5	51.3	48.2
100	87.9	76.3	66.3	58.1	52.6	49.7	48.3	47.7	47.4	47.3	47.1	46.9	46.7	47.6	48.7	49.6	50.5	51.3	51.9
110	87.9	68.1	54.4	50.8	51.0	51.9	52.8	53.6	54.1	54.5	54.9	55.4	55.8	57.0	58.3	59.5	60.6	61.5	62.4
120	87.9	61.2	51.6	52.5	54.2	55.6	56.6	57.7	58.8	59.8	60.7	61.5	62.1	62.8	64.3	65.7	66.9	68.1	69.1
130	87.9	56.2	52.5	54.8	56.6	57.7	59.3	61.1	62.8	64.1	65.0	65.6	66.2	66.7	68.0	69.5	70.8	72.1	73.3
140	87.9	53.7	53.7	56.4	57.8	59.4	61.1	63.6	65.6	66.6	67.2	67.9	68.7	69.6	70.5	72.3	73.8	75.0	76.1
150	87.9	52.9	54.8	57.5	58.7	60.3	62.7	65.1	66.6	67.7	68.7	70.2	72.0	73.6	75.0	76.2	77.9	79.2	80.2
160	87.9	52.9	55.7	57.9	59.4	60.8	63.6	65.7	67.3	68.7	70.7	73.3	75.7	78.0	79.8	80.9	81.6	82.7	83.3
170	87.9	52.9	56.3	58.2	59.6	61.1	63.9	66.1	67.8	69.8	72.8	75.9	78.9	81.6	83.6	84.7	84.8	84.3	84.5
180	87.9	53.0	56.6	58.4	59.5	60.9	63.7	66.0	68.0	70.4	73.8	77.3	80.6	83.3	85.2	86.4	87.3	87.5	83.6

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NAME: ASD-LSB2-100D30B-PRM	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	86.3	85.4	83.6	81.6	79.1	76.8	74.9	72.8	70.0	66.9	64.5	62.6	60.5	57.9	55.4	52.9	48.9	42.7	
-170	77.7	78.1	77.3	75.7	74.0	72.5	71.1	69.4	67.2	64.7	62.6	60.7	58.7	56.3	54.1	52.0	48.4	42.7	
-160	70.1	69.6	69.3	68.7	68.0	67.3	66.5	65.3	63.7	61.8	60.1	58.3	56.4	54.3	52.6	50.8	47.8	42.7	
-150	61.6	61.6	61.1	61.2	61.4	61.4	61.3	60.9	59.8	58.3	56.9	55.4	53.7	52.1	50.9	49.5	47.0	42.7	
-140	53.9	54.2	54.2	53.8	54.5	55.0	55.3	55.2	54.8	54.1	52.9	51.7	50.6	49.7	49.1	48.1	46.1	42.7	
-130	47.1	47.5	47.6	47.4	47.3	48.1	48.6	48.8	48.8	48.7	48.2	47.6	47.2	47.1	47.0	46.5	45.0	42.7	
-120	39.4	39.8	40.0	40.0	39.8	40.4	41.3	41.9	42.5	42.7	42.9	43.3	43.9	44.4	44.7	44.7	43.9	42.7	
-110	31.5	31.9	32.1	32.3	32.2	32.6	33.8	35.0	36.1	37.1	38.2	39.1	40.2	41.3	42.1	42.7	42.8	42.7	
-100	24.4	24.8	25.2	25.5	25.8	26.1	27.7	29.2	30.7	32.1	33.4	34.6	36.3	37.8	39.3	40.5	41.6	42.7	
-90	20.5	20.7	20.8	20.9	21.1	21.2	22.7	24.2	25.6	27.1	28.6	30.0	32.1	34.2	36.3	38.5	40.6	42.7	
-80	111	109	105	99.0	91.2	84.2	88.0	90.7	90.4	89.0	85.1	77.0	57.1	44.0	38.4	38.0	39.8	42.7	
-70	1352	1432	1490	1523	1575	1615	1466	1193	912	666	495	265	134	92.2	63.5	42.7	39.6	42.7	
-60	3267	3286	3292	3280	3237	3168	3051	2880	2657	2366	1904	1235	610	210	96.4	57.0	40.1	42.7	
-50	3516	3543	3566	3586	3611	3663	3691	3675	3615	3483	3210	2503	1540	646	163	72.5	41.4	42.7	
-40	3560	3583	3605	3629	3721	3809	3882	3930	3945	3883	3799	3510	2540	1309	331	89.1	43.4	42.7	
-30	3525	3566	3611	3669	3752	3854	3961	4058	4051	4047	4026	3942	3446	1849	617	106	46.1	42.7	
-20	3386	3422	3469	3549	3682	3836	3888	3932	3985	4042	4111	4126	3873	2455	878	124	48.3	42.7	
-10	3170	3192	3244	3317	3397	3506	3605	3718	3844	3975	4115	4221	4105	2946	1073	131	49.2	42.7	
0	2931	2964	3002	3057	3131	3232	3349	3512	3711	3911	4118	4296	4244	3153	1122	126	48.9	42.7	
10	2730	2754	2790	2840	2894	2957	3050	3186	3354	3526	3682	3809	3765	2716	977	125	49.1	42.7	
20	2558	2579	2613	2640	2651	2664	2742	2865	3005	3130	3219	3300	3237	2008	721	117	48.3	42.7	
30	2377	2387	2376	2398	2432	2455	2475	2491	2561	2599	2644	2735	2591	1255	460	103	46.6	42.7	
40	2176	2170	2143	2093	2101	2092	2078	2027	1920	1842	1975	2136	1481	780	217	86.4	44.7	42.7	
50	1560	1544	1491	1401	1315	1328	1341	1350	1308	1276	1366	1001	646	349	134	69.9	43.6	42.7	
60	847	842	830	808	761	742	749	813	809	569	312	344	259	150	91.3	55.8	43.3	42.7	
70	275	282	287	293	299	302	288	272	254	234	207	167	123	86.0	61.2	47.8	43.3	42.7	
80	151	156	158	158	156	150	138	125	110	96.4	83.8	72.9	63.2	54.6	48.9	45.7	43.7	42.7	
90	48.4	48.5	48.7	48.8	49.0	49.1	49.8	50.4	51.1	51.7	52.4	53.1	51.3	49.6	47.9	46.1	44.4	42.7	
100	53.0	53.9	54.8	55.6	56.3	57.0	57.1	57.3	57.5	57.6	57.8	57.8	55.5	53.1	50.6	48.0	45.4	42.7	
110	63.0	63.5	63.9	64.2	64.5	64.5	64.0	63.4	62.8	62.3	61.8	61.0	58.7	56.1	53.2	49.9	46.4	42.7	
120	69.7	70.1	70.4	70.6	70.5	69.9	69.0	68.2	67.2	66.1	65.0	62.8	60.3	57.8	55.0	51.5	47.3	42.7	
130	73.8	74.3	74.7	75.0	74.9	73.8	72.7	71.6	70.5	69.4	67.5	64.5	61.5	58.7	56.0	52.5	48.0	42.7	
140	76.7	77.1	77.3	77.4	76.5	75.4	74.2	73.1	72.1	70.6	68.3	65.5	62.4	59.3	56.5	53.1	48.6	42.7	
150	80.6	80.8	80.8	79.8	78.5	77.0	75.4	73.8	72.0	70.1	68.1	65.7	62.7	59.5	56.6	53.4	49.0	42.7	
160	83.5	83.6	82.8	81.5	80.1	78.4	76.4	74.1	71.6	69.3	67.3	65.1	62.5	59.4	56.4	53.5	49.1	42.7	
170	83.5	82.6	82.1	81.6	80.2	78.2	76.2	73.9	71.2	68.4	66.1	64.1	61.7	58.8	56.0	53.3	49.1	42.7	
180	86.3	85.4	83.6	81.6	79.1	76.8	74.9	72.8	70.0	66.9	64.5	62.6	60.5	57.9	55.4	52.9	48.9	42.7	

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=0.7250]
 Remarks: