IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FL-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW_Scaled
[TESTLAB] Dekko
[ISSUEDATE] 6/29/2017
[TESTDATE] 04-3-2017
[LUMCAT] CURV-8-LED-FL-HO-30
[MANUFAC] LSI INDUSTRIES, INC.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12033
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	98
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.75 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1812	1400	927
55	1929	1537	985
65	1886	1583	1022
75	1806	1608	1072
85	2508	2392	1794

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FL-HO-30.IES

CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	397.699	397.699	397.699	397.699	397.699	397.699	397.699	397.699	397.699	397.699
10	435.218	437.094	433.342	427.714	420.211	412.707	407.079	401.451	397.699	399.575
20	530.891	530.891	517.759	499.000	476.489	452.102	431.466	414.583	403.327	403.327
30	662.207	652.827	626.564	590.921	547.774	500.876	459.605	427.714	407.079	401.451
40	735.368	729.741	701.602	649.075	594.673	534.643	472.737	425.838	395.823	384.568
50	694.098	692.222	667.835	626.564	570.286	510.256	446.474	395.823	360.180	347.049
60	540.271	542.147	530.891	506.504	465.233	422.086	371.436	328.289	296.399	283.267
70	348.925	350.801	347.049	335.793	315.158	290.771	260.756	232.617	210.105	198.850
80	172.586	176.338	176.338	172.586	166.959	155.703	144.447	131.316	118.184	110.680
90	71.286	71.286	71.286	71.286	71.286	71.286	69.410	67.534	65.658	63.782
100	695.974	671.587	671.587	654.703	598.425	519.635	440.846	360.180	273.887	230.741
110	2168.587	2132.944	2063.534	1934.094	1780.267	1575.790	1337.545	1041.147	729.741	572.162
120	2714.485	2669.463	2588.797	2461.233	2266.135	2033.519	1725.865	1382.568	1067.410	915.459
130	2858.933	2821.414	2727.617	2586.921	2399.327	2153.579	1866.560	1583.293	1301.902	1202.478
140	2729.493	2695.726	2616.936	2491.248	2328.041	2155.455	1939.722	1697.726	1481.993	1420.087
150	2502.504	2478.117	2434.970	2374.940	2237.996	2078.541	1920.963	1725.865	1618.936	1579.541
160	2239.872	2219.237	2183.594	2129.192	2054.154	1954.729	1847.801	1772.763	1727.741	1695.850
170	1930.342	1924.714	1909.707	1885.320	1866.560	1844.049	1827.166	1802.778	1784.019	1778.391
180	1812.158	1812.158	1812.158	1812.158	1812.158	1812.158	1812.158	1812.158	1812.158	1812.158

Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FL-HO-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	164.05	N.A.	1.40
0-30	393.89	N.A.	3.30
0-40	736.23	N.A.	6.10
0-60	1592.09	N.A.	13.20
0-80	2185.19	N.A.	18.20
0-90	2307.03	N.A.	19.20
10-90	2268.14	N.A.	18.80
20-40	572.18	N.A.	4.80
20-50	996.16	N.A.	8.30
40-70	1213.85	N.A.	10.10
60-80	593.10	N.A.	4.90
70-80	235.12	N.A.	2.00
80-90	121.84	N.A.	1.00
90-110	1414.42	N.A.	11.80
90-120	3177.72	N.A.	26.40
90-130	5045.87	N.A.	41.90
90-150	8061.72	N.A.	67.00
90-180	9726.45	N.A.	80.80
110-180	8312.03	N.A.	69.10
0-180	12033.48	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.89
10-20	125.16
20-30	229.84
30-40	342.34
40-50	423.98
50-60	431.88
60-70	357.99
70-80	235.12
80-90	121.84
90-100	320.09
100-110	1094.33
110-120	1763.3
120-130	1868.15
130-140	1675.94
140-150	1339.91
150-160	945.49
160-170	544.19
170-180	175.05

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FL-HO-30.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	90	86	82	79	79	76	73	70	57	55	53	40	38	37	24	23	22	15
2	82	75	69	63	72	66	61	57	49	46	43	34	32	30	20	19	18	12
3	74	65	58	52	65	58	51	47	43	39	36	30	27	25	18	16	15	10
4	68	57	49	44	59	51	44	39	38	33	30	26	23	21	16	14	13	8
5	62	51	43	37	54	45	38	33	34	29	25	23	20	18	14	12	11	7
6	57	45	37	32	50	40	33	28	30	25	22	21	18	15	12	11	9	6
7	52	40	33	27	46	36	29	24	27	22	19	19	16	13	11	9	8	5
8	48	36	29	24	42	32	26	21	24	20	16	17	14	12	10	8	7	4
9	45	33	26	21	39	29	23	19	22	18	14	15	12	10	9	7	6	4
10	42	30	23	18	36	27	20	16	20	16	13	14	11	9	8	7	5	3

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FL-HO-30.IES

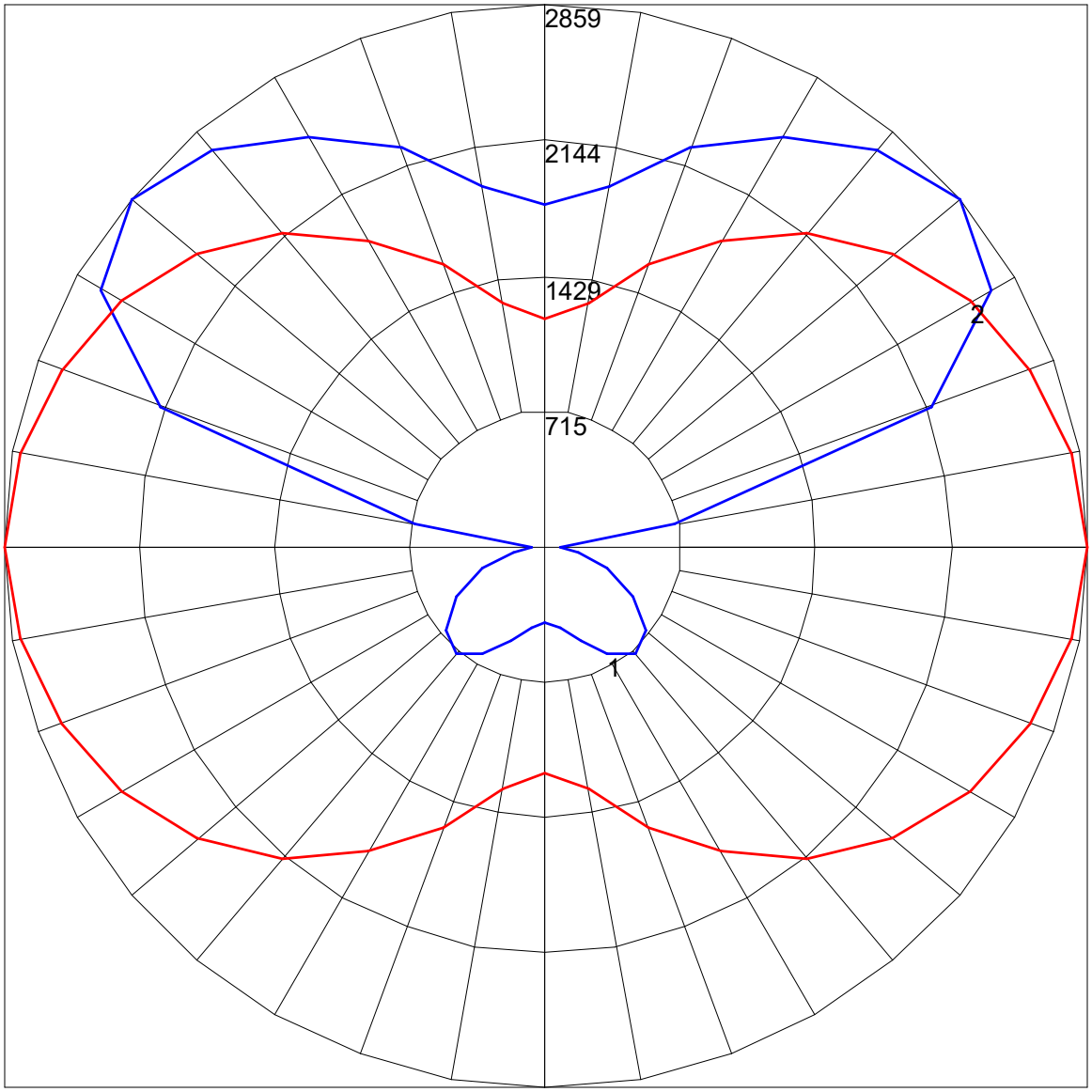
UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	8.6	8.6	9.1	9.8	11.4	8.6	8.6	8.6	8.6	8.6
	3H	9.9	10.5	11.1	11.7	13.3	8.6	8.6	8.6	8.6	9.8
	4H	10.7	11.2	11.9	12.4	14.1	8.6	8.6	8.6	8.9	10.6
	6H	11.3	11.8	12.5	13.0	14.7	8.6	8.6	9.1	9.6	11.2
	8H	11.6	12.1	12.8	13.3	14.9	8.6	8.7	9.4	9.9	11.6
	12H	11.9	12.4	13.1	13.5	15.2	8.6	9.1	9.8	10.3	12.0
4H	2H	8.6	8.9	9.5	10.0	11.7	8.6	8.6	8.6	8.6	9.1
	3H	10.5	11.0	11.7	12.2	13.9	8.6	8.6	9.0	9.5	11.1
	4H	11.5	11.9	12.7	13.1	14.8	8.7	9.2	9.9	10.3	12.0
	6H	12.3	12.7	13.5	13.9	15.6	9.5	9.9	10.7	11.1	12.8
	8H	12.7	13.0	13.9	14.2	15.9	9.9	10.3	11.1	11.5	13.2
	12H	13.1	13.4	14.3	14.6	16.3	10.4	10.7	11.6	11.9	13.6
8H	4H	11.7	12.1	12.9	13.3	15.0	9.4	9.7	10.6	10.9	12.6
	6H	12.7	13.0	14.0	14.3	16.0	10.4	10.7	11.6	12.0	13.7
	8H	13.3	13.5	14.5	14.7	16.5	11.0	11.2	12.2	12.4	14.2
	12H	13.8	14.1	15.1	15.3	17.0	11.6	11.8	12.8	13.0	14.8
12H	4H	11.7	12.0	12.9	13.2	14.9	9.5	9.8	10.7	11.0	12.7
	6H	12.8	13.0	14.0	14.3	16.0	10.6	10.9	11.9	12.1	13.8
	8H	13.4	13.6	14.6	14.8	16.6	11.3	11.5	12.5	12.7	14.5

Maximum UGR = 17.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FL-HO-30.IES

POLAR GRAPH



Maximum Candela = 2858.933 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)