IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FL-VHO-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-VHO-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	17749
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	144
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	2672	2065	1368
55	2845	2267	1453
65	2781	2335	1508
75	2663	2371	1581
85	3699	3528	2646

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

CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	586.600	586.600	586.600	586.600	586.600	586.600	586.600	586.600	586.600	586.600
10	641.939	644.706	639.172	630.871	619.804	608.736	600.435	592.134	586.600	589.367
20	783.055	783.055	763.686	736.017	702.813	666.842	636.405	611.503	594.901	594.901
30	976.744	962.909	924.171	871.599	807.958	738.784	677.910	630.871	600.435	592.134
40	1084.656	1076.355	1034.850	957.375	877.133	788.589	697.279	628.104	583.833	567.231
50	1023.783	1021.016	985.045	924.171	841.162	752.619	658.541	583.833	531.260	511.891
60	796.890	799.657	783.055	747.085	686.211	622.570	547.862	484.221	437.183	417.814
70	514.658	517.425	511.891	495.289	464.853	428.882	384.610	343.106	309.902	293.300
80	254.562	260.096	260.096	254.562	246.261	229.659	213.057	193.689	174.320	163.252
90	105.145	105.145	105.145	105.145	105.145	105.145	102.378	99.611	96.844	94.077
100	1026.550	990.579	990.579	965.676	882.667	766.453	650.240	531.260	403.979	340.339
110	3198.629	3146.056	3043.678	2852.756	2625.864	2324.263	1972.857	1535.674	1076.355	843.929
120	4003.820	3937.412	3818.432	3630.278	3342.512	2999.406	2545.622	2039.264	1574.412	1350.286
130	4216.877	4161.538	4023.189	3815.665	3538.967	3176.493	2753.145	2335.331	1920.284	1773.634
140	4025.956	3976.150	3859.937	3674.549	3433.822	3179.260	2861.057	2504.117	2185.914	2094.604
150	3691.151	3655.180	3591.540	3502.997	3301.007	3065.814	2833.387	2545.622	2387.904	2329.797
160	3303.774	3273.337	3220.765	3140.522	3029.843	2883.193	2725.475	2614.796	2548.389	2501.350
170	2847.222	2838.921	2816.786	2780.815	2753.145	2719.941	2695.038	2659.068	2631.398	2623.097
180	2672.903	2672.903	2672.903	2672.903	2672.903	2672.903	2672.903	2672.903	2672.903	2672.903

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	241.97	N.A.	1.40
0-30	580.98	N.A.	3.30
0-40	1085.93	N.A.	6.10
0-60	2348.31	N.A.	13.20
0-80	3223.13	N.A.	18.20
0-90	3402.84	N.A.	19.20
10-90	3345.47	N.A.	18.80
20-40	843.96	N.A.	4.80
20-50	1469.32	N.A.	8.30
40-70	1790.4	N.A.	10.10
60-80	874.82	N.A.	4.90
70-80	346.79	N.A.	2.00
80-90	179.71	N.A.	1.00
90-110	2086.25	N.A.	11.80
90-120	4687.08	N.A.	26.40
90-130	7442.57	N.A.	41.90
90-150	11890.91	N.A.	67.00
90-180	14346.35	N.A.	80.80
110-180	12260.1	N.A.	69.10
0-180	17749.18	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	57.37
10-20	184.60
20-30	339.00
30-40	504.95
40-50	625.36
50-60	637.02
60-70	528.02
70-80	346.79
80-90	179.71
90-100	472.13
100-110	1614.12
110-120	2600.83
120-130	2755.49
130-140	2471.99
140-150	1976.35
150-160	1394.58
160-170	802.67
170-180	258.19

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

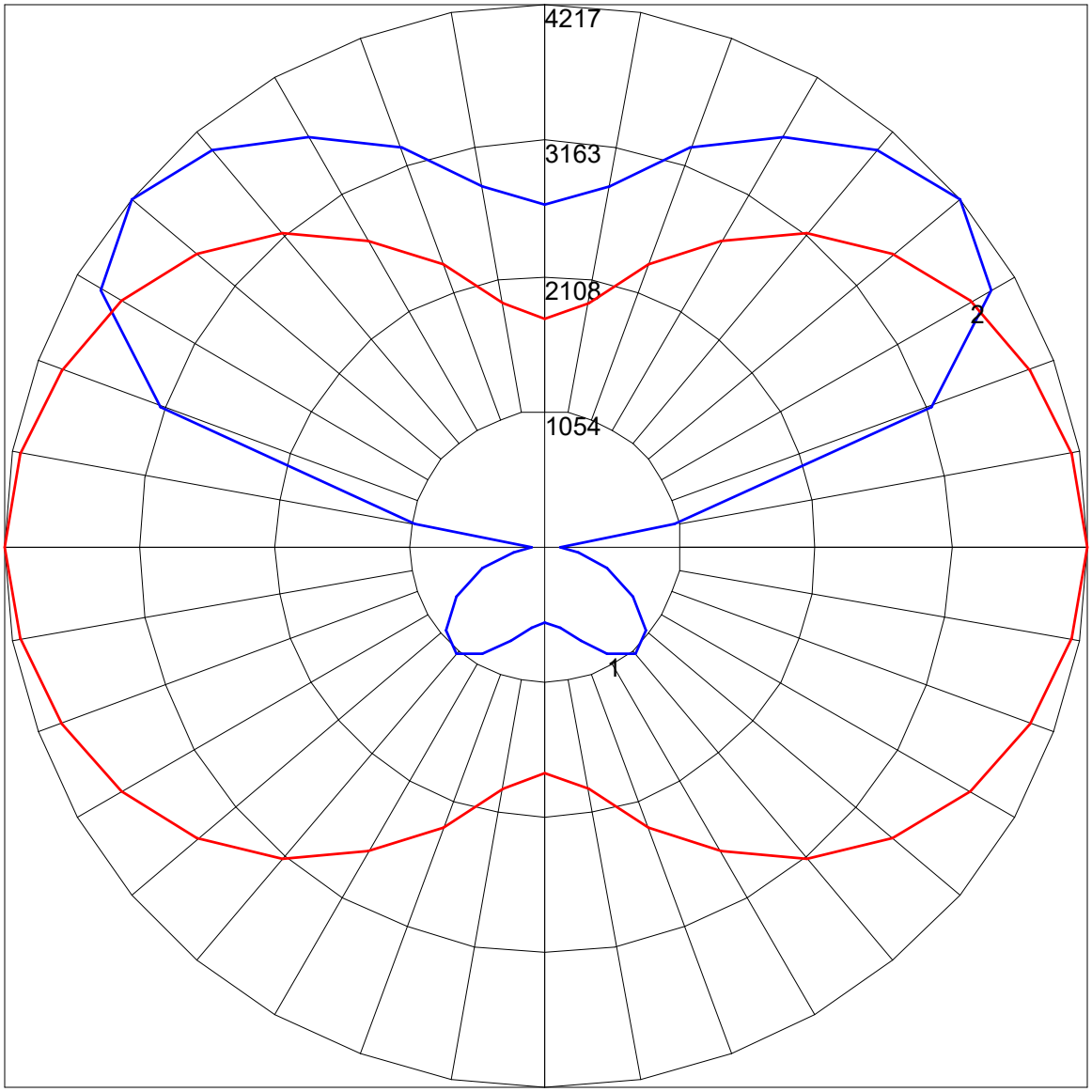
UGR TABLE - CORRECTED

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	10.0	10.0	10.5	11.2	12.8	10.0	10.0	10.0	10.0	10.0
	3H	11.3	11.9	12.5	13.1	14.7	10.0	10.0	10.0	10.0	11.2
	4H	12.1	12.6	13.3	13.8	15.5	10.0	10.0	10.0	10.3	12.0
	6H	12.7	13.2	13.9	14.4	16.1	10.0	10.0	10.5	11.0	12.6
	8H	13.0	13.5	14.2	14.7	16.3	10.0	10.1	10.8	11.3	13.0
	12H	13.3	13.8	14.5	14.9	16.6	10.0	10.5	11.2	11.7	13.4
4H	2H	10.0	10.3	10.9	11.4	13.1	10.0	10.0	10.0	10.0	10.5
	3H	11.9	12.4	13.1	13.6	15.3	10.0	10.0	10.4	10.9	12.5
	4H	12.9	13.3	14.1	14.5	16.2	10.1	10.6	11.3	11.7	13.4
	6H	13.7	14.1	14.9	15.3	17.0	10.9	11.3	12.1	12.5	14.2
	8H	14.1	14.4	15.3	15.6	17.3	11.3	11.7	12.5	12.9	14.6
	12H	14.5	14.8	15.7	16.0	17.7	11.8	12.1	13.0	13.3	15.0
8H	4H	13.1	13.5	14.3	14.7	16.4	10.8	11.1	12.0	12.3	14.0
	6H	14.1	14.4	15.4	15.7	17.4	11.8	12.1	13.0	13.4	15.1
	8H	14.7	14.9	15.9	16.1	17.9	12.4	12.6	13.6	13.8	15.6
	12H	15.2	15.5	16.5	16.7	18.4	13.0	13.2	14.2	14.4	16.2
12H	4H	13.1	13.4	14.3	14.6	16.3	10.9	11.2	12.1	12.4	14.1
	6H	14.2	14.4	15.4	15.7	17.4	12.0	12.3	13.3	13.5	15.2
	8H	14.8	15.0	16.0	16.2	18.0	12.7	12.9	13.9	14.1	15.9

Maximum UGR = 18.4

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

POLAR GRAPH



Maximum Candela = 4216.877 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.)