IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FB-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 HO NW
[TESTLAB] DEKKO
[TESTDATE] 04-05-2017
[ISSUEDATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-8-LED-FB-HO-35
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	97.4
Ballast Factor	1.00
CIE Type	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	586	482	388
55	518	359	206
65	425	213	63
75	336	171	34
85	491	414	120

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	352.367	352.367	352.367	352.367	352.367	352.367	352.367	352.367	352.367	352.367
10	349.677	351.696	353.065	351.468	349.514	346.374	342.821	340.875	338.657	336.677
20	336.468	338.959	338.081	333.275	326.529	320.576	315.490	310.925	308.034	305.199
30	305.957	310.291	303.245	292.442	284.841	279.941	275.015	270.398	265.643	261.655
40	261.765	265.281	254.101	238.286	229.440	222.352	217.179	211.709	205.261	198.645
50	200.705	201.455	190.412	173.760	160.522	148.616	136.310	126.058	115.632	107.217
60	131.129	128.816	117.661	103.777	84.580	66.162	49.216	36.876	29.677	24.403
70	69.516	66.914	56.921	40.583	27.925	22.142	18.036	12.875	8.573	5.309
80	27.484	29.366	28.528	28.200	25.751	22.784	19.810	14.567	9.092	4.551
90	20.301	20.121	19.249	18.452	16.816	15.168	12.971	10.722	8.254	7.100
100	549.838	530.593	514.359	506.853	470.444	420.943	372.113	314.780	232.863	195.821
110	2114.570	2067.305	1988.692	1870.190	1732.471	1568.907	1358.471	1073.179	756.995	602.410
120	2876.570	2844.158	2748.641	2588.450	2401.328	2139.629	1841.131	1517.968	1190.271	1046.781
130	3051.459	2990.103	2894.600	2754.438	2582.673	2371.049	2110.267	1822.604	1541.754	1448.119
140	3008.557	2978.083	2917.487	2812.108	2665.437	2482.527	2274.382	2039.490	1811.976	1759.079
150	2922.742	2897.366	2845.993	2761.959	2655.334	2507.684	2338.436	2155.735	2034.833	2011.886
160	2738.933	2718.989	2681.460	2620.307	2539.286	2438.679	2332.779	2248.430	2200.438	2199.157
170	2467.672	2454.554	2438.981	2416.026	2388.780	2363.762	2337.231	2316.762	2311.600	2314.400
180	2359.867	2359.867	2359.867	2359.867	2359.867	2359.867	2359.867	2359.867	2359.867	2359.867

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	128.32	N.A.	1.10
0-30	269.19	N.A.	2.40
0-40	431.11	N.A.	3.80
0-60	685.59	N.A.	6.00
0-80	768.49	N.A.	6.70
0-90	788.47	N.A.	6.90
10-90	755.12	N.A.	6.60
20-40	302.79	N.A.	2.70
20-50	452.54	N.A.	4.00
40-70	308.85	N.A.	2.70
60-80	82.90	N.A.	0.70
70-80	28.53	N.A.	0.20
80-90	19.98	N.A.	0.20
90-110	1263.79	N.A.	11.10
90-120	3084.03	N.A.	27.00
90-130	5105.16	N.A.	44.70
90-150	8556.14	N.A.	75.00
90-180	10625.00	N.A.	93.10
110-180	9361.2	N.A.	82.00
0-180	11413.47	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	33.35
10-20	94.97
20-30	140.87
30-40	161.92
40-50	149.75
50-60	104.73
60-70	54.37
70-80	28.53
80-90	19.98
90-100	234.65
100-110	1029.14
110-120	1820.24
120-130	2021.13
130-140	1879.43
140-150	1571.54
150-160	1154.95
160-170	687.69
170-180	226.22

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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	97	97	97	97	84	84	84	84	59	59	59	37	37	37	17	17	17	7
1	88	84	81	77	76	73	70	67	52	50	48	32	32	31	15	14	14	6
2	80	74	68	63	69	64	59	55	45	43	40	29	27	26	13	12	12	5
3	73	65	58	52	63	56	51	46	40	37	34	25	23	22	12	11	10	4
4	67	57	50	44	58	50	44	39	35	32	29	22	20	19	10	9	9	4
5	61	51	43	38	53	44	38	33	32	28	24	20	18	16	9	8	8	3
6	56	45	38	32	48	39	33	29	28	24	21	18	16	14	8	7	7	3
7	52	40	33	28	45	35	29	25	25	21	18	16	14	12	8	7	6	3
8	48	36	29	24	41	32	26	22	23	19	16	15	12	11	7	6	5	2
9	44	33	26	21	38	29	23	19	21	17	14	13	11	9	6	5	5	2
10	41	30	23	19	36	26	21	17	19	15	13	12	10	8	6	5	4	2

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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	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	3H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	4H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	6H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	8H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	12H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
4H	2H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	3H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	4H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	6H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	8H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	12H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
8H	4H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	6H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	8H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	12H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
12H	4H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	6H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	8H	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5

Maximum UGR = 8.5

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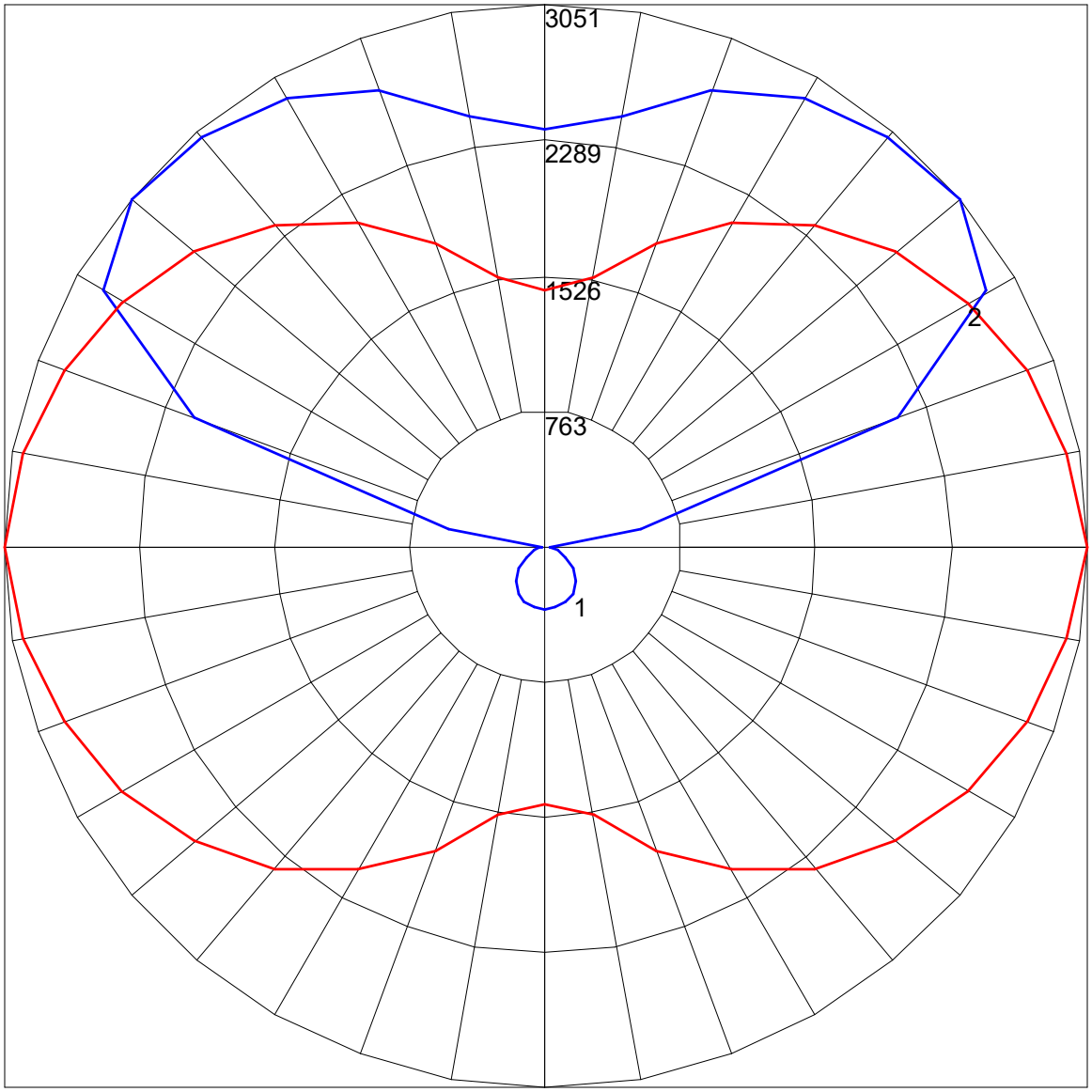
POLAR GRAPH



Maximum Candela = 3051.459 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.)