



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FB-HO-30.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-30
 [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	11071
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	569	468	376
55	503	348	199
65	413	207	61
75	326	166	33
85	477	402	116

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	341.800	341.800	341.800	341.800	341.800	341.800	341.800	341.800	341.800	341.800
10	339.190	341.149	342.477	340.927	339.033	335.986	332.540	330.653	328.501	326.580
20	326.377	328.793	327.942	323.280	316.736	310.962	306.028	301.601	298.796	296.046
30	296.781	300.985	294.151	283.672	276.299	271.545	266.767	262.289	257.676	253.808
40	253.915	257.325	246.480	231.140	222.559	215.684	210.665	205.360	199.106	192.688
50	194.686	195.414	184.702	168.549	155.708	144.159	132.222	122.278	112.164	104.002
60	127.197	124.953	114.132	100.664	82.043	64.178	47.740	35.770	28.787	23.671
70	67.431	64.908	55.214	39.366	27.088	21.478	17.496	12.489	8.316	5.150
80	26.660	28.485	27.673	27.354	24.979	22.101	19.216	14.130	8.819	4.414
90	19.692	19.518	18.672	17.899	16.312	14.713	12.582	10.401	8.007	6.887
100	533.349	514.681	498.933	491.653	456.335	408.319	360.954	305.340	225.880	189.949
110	2051.155	2005.307	1929.051	1814.103	1680.515	1521.856	1317.731	1040.994	734.293	584.344
120	2790.302	2758.863	2666.211	2510.823	2329.313	2075.462	1785.916	1472.444	1154.575	1015.389
130	2959.947	2900.431	2807.792	2671.833	2505.220	2299.942	2046.981	1767.944	1495.517	1404.691
140	2918.332	2888.772	2829.993	2727.773	2585.501	2408.077	2206.174	1978.326	1757.636	1706.325
150	2835.090	2810.475	2760.643	2679.129	2575.701	2432.480	2268.307	2091.085	1973.809	1951.550
160	2656.793	2637.448	2601.044	2541.725	2463.134	2365.544	2262.820	2181.000	2134.447	2133.205
170	2393.667	2380.942	2365.837	2343.571	2317.141	2292.874	2267.139	2247.283	2242.276	2244.992
180	2289.095	2289.095	2289.095	2289.095	2289.095	2289.095	2289.095	2289.095	2289.095	2289.095

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	124.47	N.A.	1.10
0-30	261.12	N.A.	2.40
0-40	418.18	N.A.	3.80
0-60	665.03	N.A.	6.00
0-80	745.44	N.A.	6.70
0-90	764.82	N.A.	6.90
10-90	732.47	N.A.	6.60
20-40	293.71	N.A.	2.70
20-50	438.97	N.A.	4.00
40-70	299.59	N.A.	2.70
60-80	80.42	N.A.	0.70
70-80	27.68	N.A.	0.30
80-90	19.38	N.A.	0.20
90-110	1225.89	N.A.	11.10
90-120	2991.54	N.A.	27.00
90-130	4952.06	N.A.	44.70
90-150	8299.54	N.A.	75.00
90-180	10306.36	N.A.	93.10
110-180	9080.46	N.A.	82.00
0-180	11071.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	32.35
10-20	92.12
20-30	136.65
30-40	157.06
40-50	145.26
50-60	101.59
60-70	52.74
70-80	27.68
80-90	19.38
90-100	227.62
100-110	998.28
110-120	1765.65
120-130	1960.52
130-140	1823.07
140-150	1524.41
150-160	1120.32
160-170	667.07
170-180	219.43

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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

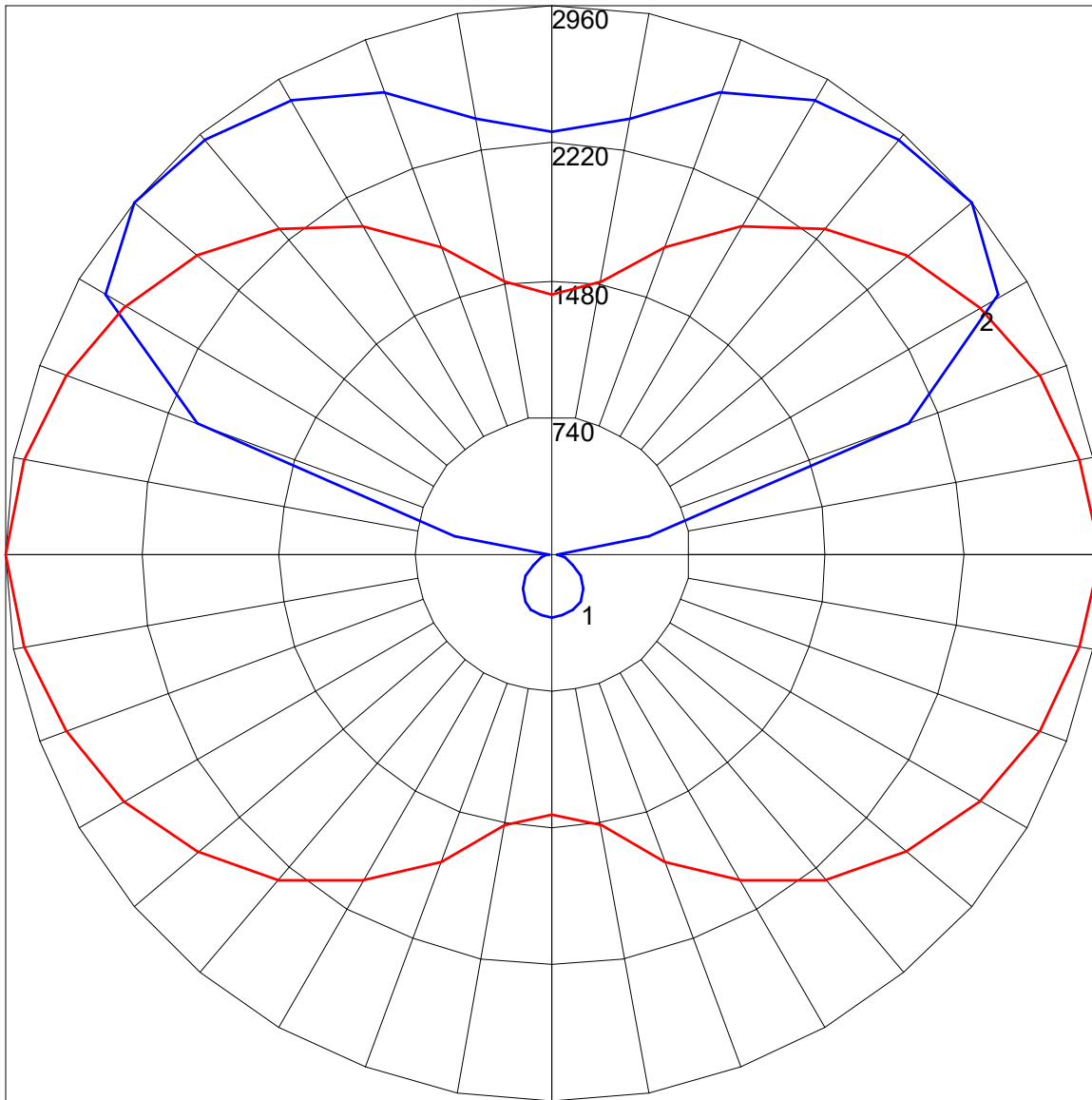
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UGR TABLE - CORRECTED

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	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	3H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	4H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	6H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	8H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	12H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
4H	2H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	3H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	4H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	6H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	8H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	12H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
8H	4H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	6H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	8H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	12H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
12H	4H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	6H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
	8H	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4

Maximum UGR = 8.4

POLAR GRAPH



Maximum Candela = 2959.947 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.)