



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-FB-HO-40.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-40  
 [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	11803
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	606	499	401
55	536	372	213
65	440	220	65
75	347	177	35
85	508	428	124

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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>
<b>0</b>	364.392	364.392	364.392	364.392	364.392	364.392	364.392	364.392	364.392	364.392
<b>10</b>	361.610	363.698	365.114	363.462	361.442	358.194	354.520	352.508	350.214	348.166
<b>20</b>	347.950	350.526	349.618	344.648	337.672	331.516	326.256	321.536	318.546	315.614
<b>30</b>	316.398	320.880	313.594	302.422	294.562	289.494	284.400	279.626	274.708	270.584
<b>40</b>	270.698	274.334	262.772	246.418	237.270	229.940	224.590	218.934	212.266	205.424
<b>50</b>	207.554	208.330	196.910	179.690	166.000	153.688	140.962	130.360	119.578	110.876
<b>60</b>	135.604	133.212	121.676	107.318	87.466	68.420	50.896	38.134	30.690	25.236
<b>70</b>	71.888	69.198	58.864	41.968	28.878	22.898	18.652	13.314	8.866	5.490
<b>80</b>	28.422	30.368	29.502	29.162	26.630	23.562	20.486	15.064	9.402	4.706
<b>90</b>	20.994	20.808	19.906	19.082	17.390	15.686	13.414	11.088	8.536	7.342
<b>100</b>	568.602	548.700	531.912	524.150	486.498	435.308	384.812	325.522	240.810	202.504
<b>110</b>	2186.732	2137.854	2056.558	1934.012	1791.594	1622.448	1404.830	1109.802	782.828	622.968
<b>120</b>	2974.736	2941.218	2842.442	2676.784	2483.276	2212.646	1903.962	1569.770	1230.890	1082.504
<b>130</b>	3155.594	3092.144	2993.382	2848.436	2670.810	2451.964	2182.282	1884.802	1594.368	1497.538
<b>140</b>	3111.228	3079.714	3017.050	2908.074	2756.398	2567.246	2351.998	2109.090	1873.812	1819.110
<b>150</b>	3022.484	2996.242	2943.116	2856.214	2745.950	2593.262	2418.238	2229.302	2104.274	2080.544
<b>160</b>	2832.402	2811.778	2772.968	2709.728	2625.942	2521.902	2412.388	2325.160	2275.530	2274.206
<b>170</b>	2551.884	2538.318	2522.214	2498.476	2470.300	2444.428	2416.992	2395.824	2390.486	2393.382
<b>180</b>	2440.400	2440.400	2440.400	2440.400	2440.400	2440.400	2440.400	2440.400	2440.400	2440.400

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	132.70	N.A.	1.10
0-30	278.38	N.A.	2.40
0-40	445.82	N.A.	3.80
0-60	708.98	N.A.	6.00
0-80	794.72	N.A.	6.70
0-90	815.37	N.A.	6.90
10-90	780.89	N.A.	6.60
20-40	313.12	N.A.	2.70
20-50	467.98	N.A.	4.00
40-70	319.39	N.A.	2.70
60-80	85.73	N.A.	0.70
70-80	29.51	N.A.	0.30
80-90	20.66	N.A.	0.20
90-110	1306.92	N.A.	11.10
90-120	3189.28	N.A.	27.00
90-130	5279.38	N.A.	44.70
90-150	8848.13	N.A.	75.00
90-180	10987.59	N.A.	93.10
110-180	9680.67	N.A.	82.00
0-180	11802.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	34.49
10-20	98.21
20-30	145.68
30-40	167.44
40-50	154.86
50-60	108.31
60-70	56.22
70-80	29.51
80-90	20.66
90-100	242.66
100-110	1064.26
110-120	1882.35
120-130	2090.1
130-140	1943.57
140-150	1625.17
150-160	1194.37
160-170	711.16
170-180	233.94

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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

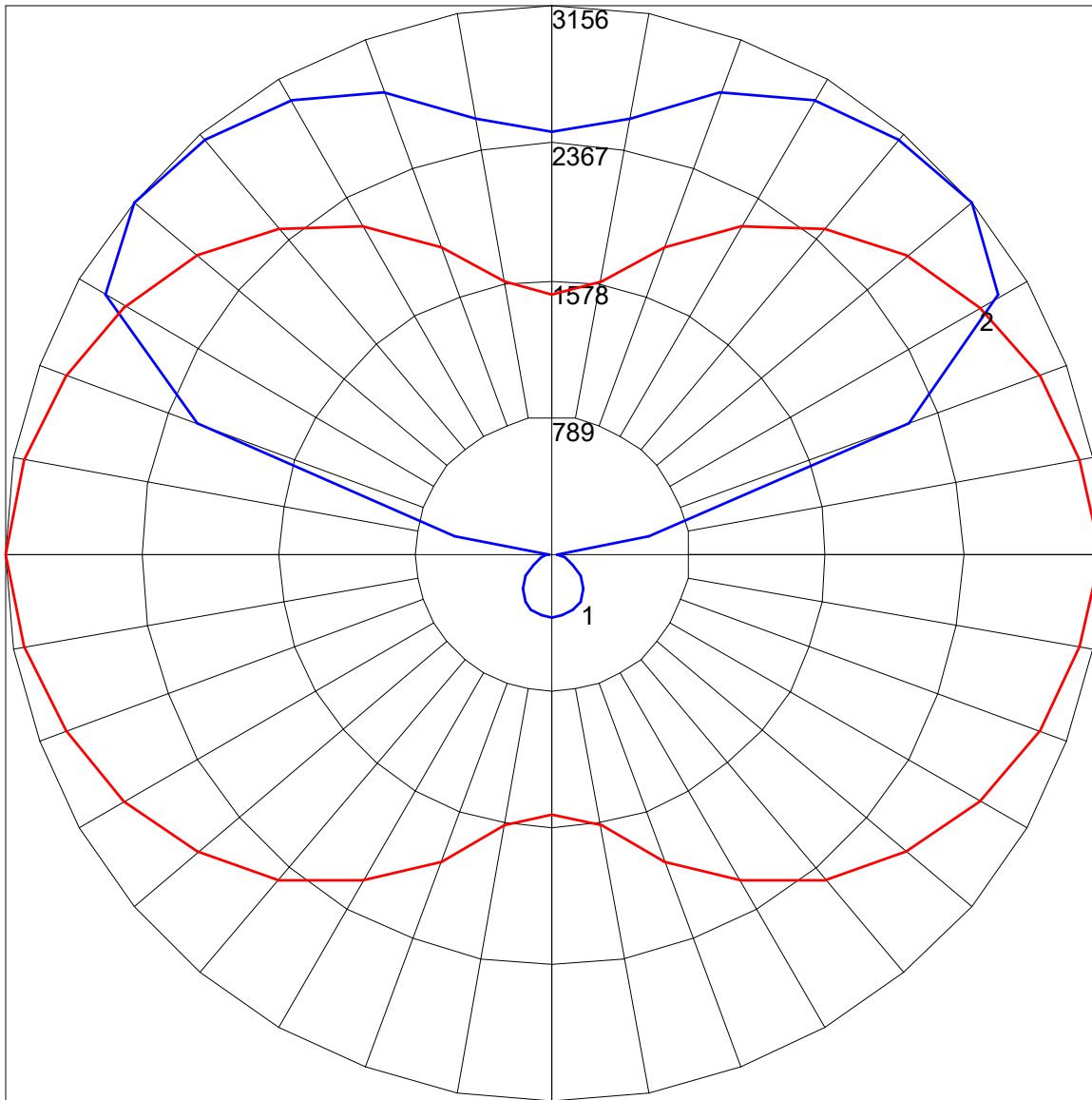
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**UGR TABLE - CORRECTED**

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	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	3H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	4H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	6H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	8H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	12H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
4H	2H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	3H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	4H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	6H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	8H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	12H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
8H	4H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	6H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	8H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	12H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
12H	4H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	6H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	8H	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6

Maximum UGR = 8.6

POLAR GRAPH



Maximum Candela = 3155.594 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.)