



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-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-4-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	5536
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	48.7
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)	4.00 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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-FB-HO-30.IES**

**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>	170.900	170.900	170.900	170.900	170.900	170.900	170.900	170.900	170.900	170.900
<b>10</b>	169.595	170.574	171.238	170.464	169.516	167.993	166.270	165.326	164.250	163.290
<b>20</b>	163.189	164.397	163.971	161.640	158.368	155.481	153.014	150.800	149.398	148.023
<b>30</b>	148.391	150.493	147.076	141.836	138.150	135.773	133.384	131.145	128.838	126.904
<b>40</b>	126.957	128.663	123.240	115.570	111.280	107.842	105.333	102.680	99.553	96.344
<b>50</b>	97.343	97.707	92.351	84.275	77.854	72.080	66.111	61.139	56.082	52.001
<b>60</b>	63.598	62.476	57.066	50.332	41.022	32.089	23.870	17.885	14.394	11.836
<b>70</b>	33.715	32.454	27.607	19.683	13.544	10.739	8.748	6.244	4.158	2.575
<b>80</b>	13.330	14.243	13.836	13.677	12.489	11.051	9.608	7.065	4.410	2.207
<b>90</b>	9.846	9.759	9.336	8.949	8.156	7.357	6.291	5.200	4.003	3.443
<b>100</b>	266.674	257.340	249.467	245.826	228.168	204.159	180.477	152.670	112.940	94.974
<b>110</b>	1025.577	1002.654	964.526	907.052	840.258	760.928	658.865	520.497	367.146	292.172
<b>120</b>	1395.151	1379.431	1333.105	1255.412	1164.656	1037.731	892.958	736.222	577.287	507.694
<b>130</b>	1479.974	1450.216	1403.896	1335.917	1252.610	1149.971	1023.490	883.972	747.759	702.345
<b>140</b>	1459.166	1444.386	1414.996	1363.887	1292.751	1204.038	1103.087	989.163	878.818	853.163
<b>150</b>	1417.545	1405.238	1380.321	1339.564	1287.851	1216.240	1134.154	1045.543	986.905	975.775
<b>160</b>	1328.397	1318.724	1300.522	1270.862	1231.567	1182.772	1131.410	1090.500	1067.224	1066.603
<b>170</b>	1196.834	1190.471	1182.918	1171.785	1158.571	1146.437	1133.569	1123.641	1121.138	1122.496
<b>180</b>	1144.548	1144.548	1144.548	1144.548	1144.548	1144.548	1144.548	1144.548	1144.548	1144.548

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-FB-HO-30.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	62.23	N.A.	1.10
0-30	130.56	N.A.	2.40
0-40	209.09	N.A.	3.80
0-60	332.51	N.A.	6.00
0-80	372.72	N.A.	6.70
0-90	382.41	N.A.	6.90
10-90	366.24	N.A.	6.60
20-40	146.85	N.A.	2.70
20-50	219.48	N.A.	4.00
40-70	149.79	N.A.	2.70
60-80	40.21	N.A.	0.70
70-80	13.84	N.A.	0.30
80-90	9.69	N.A.	0.20
90-110	612.95	N.A.	11.10
90-120	1495.77	N.A.	27.00
90-130	2476.03	N.A.	44.70
90-150	4149.77	N.A.	75.00
90-180	5153.18	N.A.	93.10
110-180	4540.23	N.A.	82.00
0-180	5535.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	16.18
10-20	46.06
20-30	68.32
30-40	78.53
40-50	72.63
50-60	50.80
60-70	26.37
70-80	13.84
80-90	9.69
90-100	113.81
100-110	499.14
110-120	882.82
120-130	980.26
130-140	911.53
140-150	762.21
150-160	560.16
160-170	333.53
170-180	109.72

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-FB-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	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

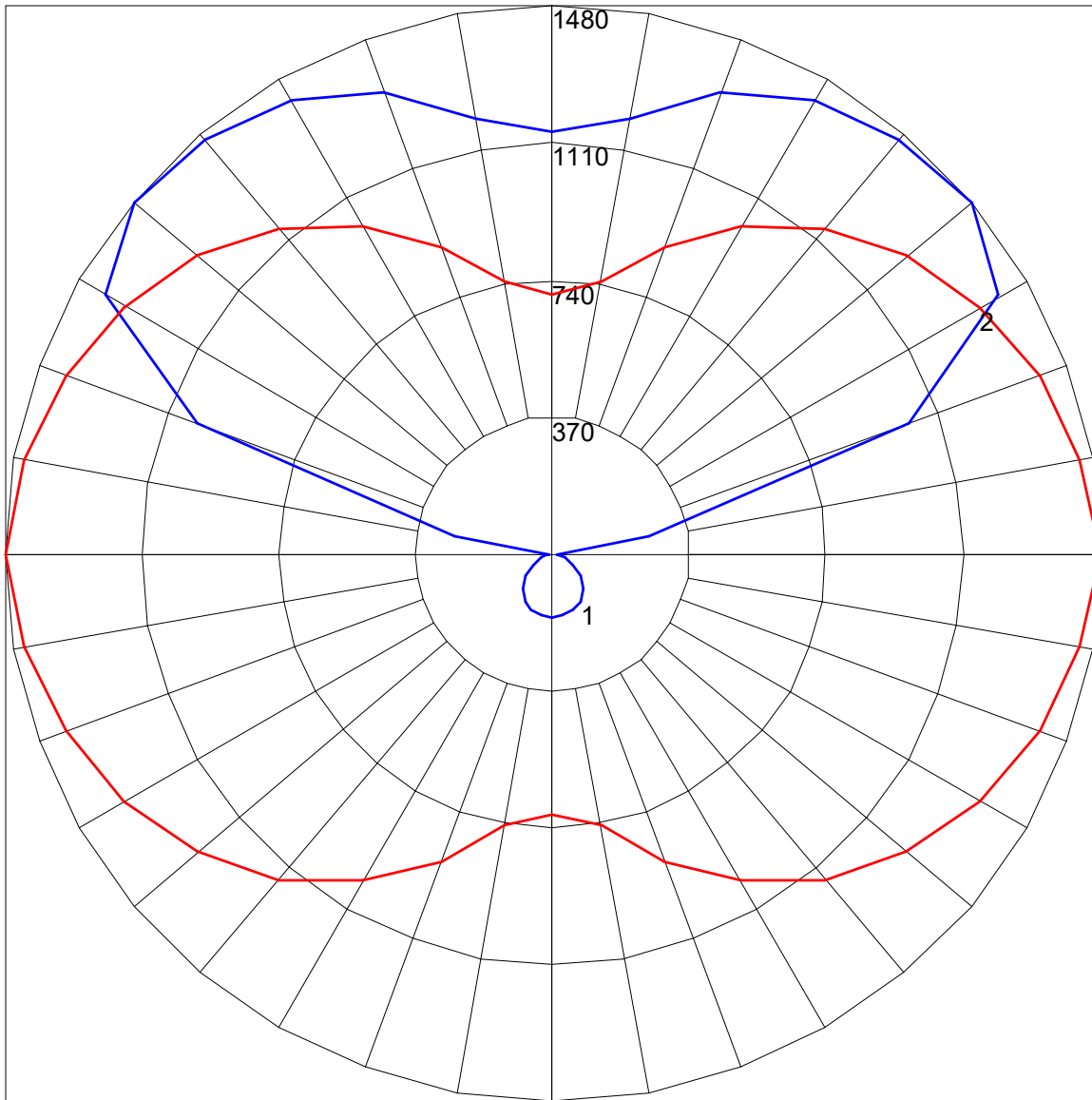
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-4-LED-FB-HO-30.IES**

**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	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	3H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	4H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	6H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	8H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	12H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
4H	2H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	3H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	4H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	6H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	8H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	12H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
8H	4H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	6H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	8H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	12H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
12H	4H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	6H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
	8H	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9

Maximum UGR = 5.9

POLAR GRAPH



Maximum Candela = 1479.974 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.)