



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-3070-FB-HO-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L445 HO NW 30 70  
 [TESTLAB] Dekko  
 [TESTDATE] 04-05-2017  
 [ISSUEDATE] 9/2/2020  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] CURV-8-LED-3070-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	3936
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	96.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.20
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	2015	1739	1612
55	1542	1099	850
65	840	428	243
75	200	78	49
85	0	22	0

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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>	1490.099	1490.099	1490.099	1490.099	1490.099	1490.099	1490.099	1490.099	1490.099	1490.099
<b>10</b>	1458.936	1453.592	1451.981	1451.616	1447.808	1443.627	1439.497	1435.260	1433.510	1430.963
<b>20</b>	1355.819	1353.935	1346.834	1336.230	1323.380	1303.911	1294.428	1287.021	1283.760	1282.354
<b>30</b>	1180.628	1178.833	1160.684	1135.328	1116.665	1108.238	1103.045	1100.989	1096.193	1096.924
<b>40</b>	941.659	934.240	901.039	871.070	854.637	844.748	839.244	834.008	830.460	828.566
<b>50</b>	648.557	634.870	594.235	562.191	535.586	509.737	477.139	459.041	447.619	443.636
<b>60</b>	338.247	325.873	283.441	245.434	203.457	158.279	128.290	112.276	103.484	100.570
<b>70</b>	57.689	56.513	47.362	27.670	21.982	19.922	17.688	15.780	14.785	14.240
<b>80</b>	0.000	0.489	1.097	1.423	1.657	1.224	0.700	0.230	0.000	0.000
<b>90</b>	0.000	0.433	0.810	1.039	0.923	0.385	0.000	0.000	0.000	0.000
<b>100</b>	71.533	58.544	54.371	79.497	63.565	65.938	59.324	49.789	38.705	33.410
<b>110</b>	192.710	181.518	161.499	151.757	150.508	162.978	148.320	139.935	121.248	117.287
<b>120</b>	265.668	260.050	245.423	229.318	212.202	203.956	196.454	185.579	174.749	176.114
<b>130</b>	298.482	297.513	293.916	280.968	270.375	261.951	242.999	231.055	227.808	227.875
<b>140</b>	318.864	323.810	322.883	315.408	301.681	281.503	275.810	274.017	273.760	273.941
<b>150</b>	314.996	314.822	311.691	311.388	305.626	305.344	305.564	305.266	305.938	306.214
<b>160</b>	315.544	316.375	323.315	324.707	324.833	325.171	325.554	326.506	327.409	328.153
<b>170</b>	328.828	328.714	330.697	334.456	338.380	339.216	340.194	339.672	339.440	338.874
<b>180</b>	334.557	334.557	334.557	334.557	334.557	334.557	334.557	334.557	334.557	334.557

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	531.42	N.A.	13.50
0-30	1096.82	N.A.	27.90
0-40	1722.69	N.A.	43.80
0-60	2589.41	N.A.	65.80
0-80	2717.32	N.A.	69.00
0-90	2717.95	N.A.	69.10
10-90	2577.89	N.A.	65.50
20-40	1191.27	N.A.	30.30
20-50	1731.71	N.A.	44.00
40-70	979.09	N.A.	24.90
60-80	127.91	N.A.	3.20
70-80	15.54	N.A.	0.40
80-90	0.63	N.A.	0.00
90-110	143.24	N.A.	3.60
90-120	325.30	N.A.	8.30
90-130	539.54	N.A.	13.70
90-150	946.08	N.A.	24.00
90-180	1218.00	N.A.	30.90
110-180	1074.76	N.A.	27.30
0-180	3935.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	140.07
10-20	391.35
20-30	565.40
30-40	625.87
40-50	540.44
50-60	326.29
60-70	112.36
70-80	15.54
80-90	0.63
90-100	31.87
100-110	111.37
110-120	182.06
120-130	214.24
130-140	216.63
140-150	189.91
150-160	146.37
160-170	93.55
170-180	32.01

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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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	74	74	74	69
1	104	100	97	94	98	95	92	90	85	83	81	76	75	73	68	67	66	62
2	96	90	84	80	91	85	80	76	77	73	70	69	66	64	62	60	58	55
3	89	80	74	68	84	76	71	66	69	65	61	63	59	56	56	54	52	48
4	82	72	65	59	78	69	62	57	63	58	53	57	53	50	52	48	46	43
5	76	65	58	52	72	62	56	50	57	51	47	52	47	44	47	44	41	38
6	70	59	52	46	67	57	50	45	52	46	42	47	43	39	43	40	37	34
7	66	54	46	41	62	52	45	40	47	42	38	44	39	35	40	36	33	31
8	61	49	42	37	58	47	41	36	44	38	34	40	35	32	37	33	30	28
9	57	45	38	33	54	44	37	32	40	35	31	37	32	29	34	30	27	25
10	54	42	35	30	51	40	34	30	37	32	28	35	30	27	32	28	25	23

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**UGR TABLE - CORRECTED**

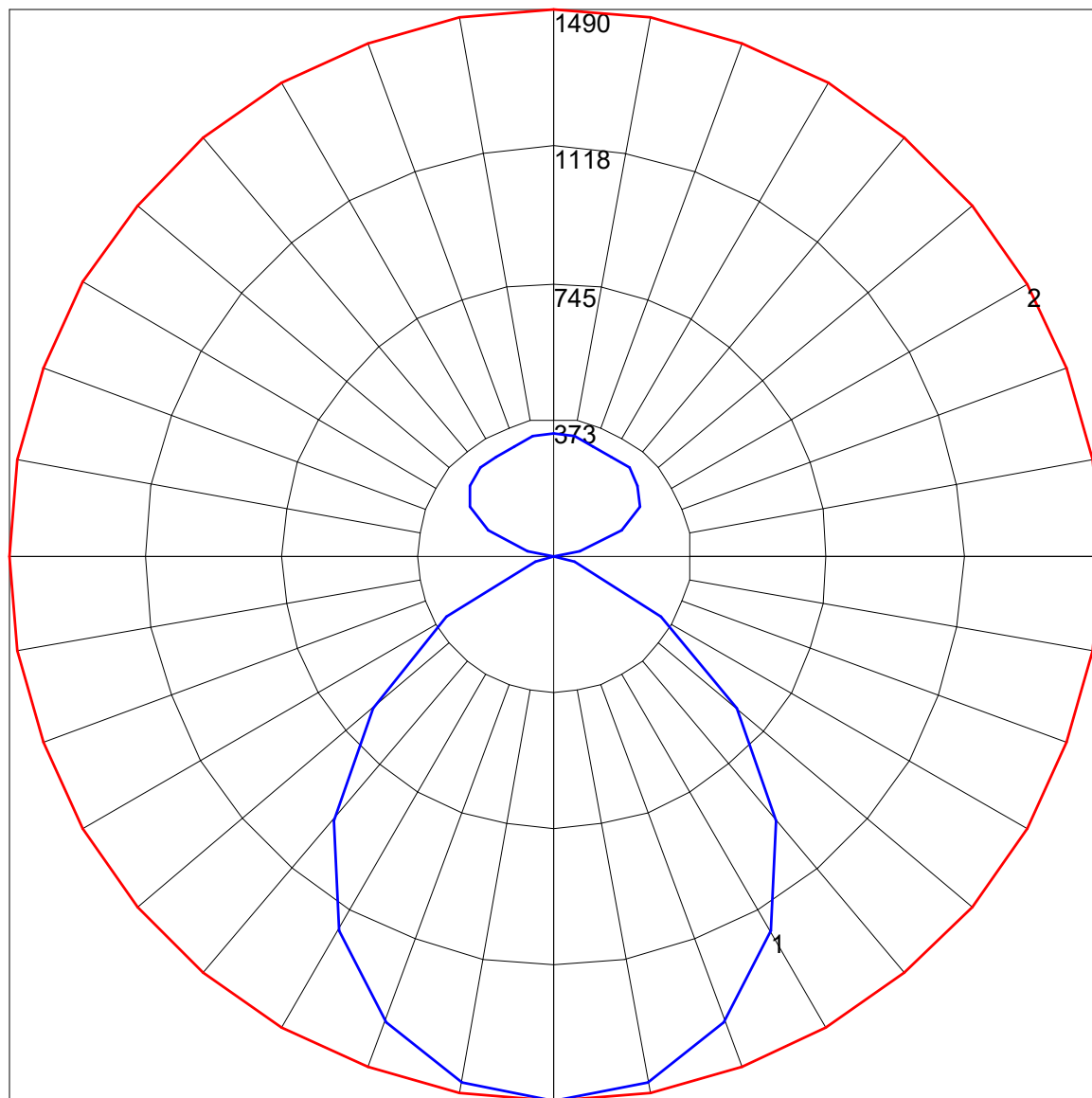
Reflectances

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	10.1	11.0	10.9	11.8	12.8	5.6	6.5	6.4	7.3	8.3
	3H	10.3	11.1	11.1	11.9	12.9	5.6	6.4	6.4	7.2	8.2
	4H	10.3	11.0	11.1	11.9	12.9	5.5	6.3	6.3	7.1	8.1
	6H	10.2	10.9	11.0	11.7	12.7	5.4	6.1	6.2	6.9	8.0
	8H	10.1	10.8	11.0	11.6	12.7	5.4	6.0	6.2	6.9	7.9
	12H	10.1	10.7	10.9	11.5	12.6	5.3	5.9	6.2	6.8	7.8
4H	2H	9.9	10.7	10.8	11.5	12.5	5.8	6.6	6.6	7.4	8.4
	3H	10.2	10.8	11.0	11.7	12.7	5.8	6.4	6.6	7.3	8.3
	4H	10.1	10.7	11.0	11.6	12.6	5.7	6.3	6.5	7.1	8.2
	6H	10.1	10.5	10.9	11.4	12.5	5.6	6.1	6.5	7.0	8.0
	8H	10.0	10.5	10.9	11.3	12.4	5.6	6.0	6.4	6.9	8.0
	12H	9.9	10.3	10.8	11.2	12.3	5.5	5.9	6.4	6.8	7.9
8H	4H	10.0	10.4	10.9	11.3	12.4	5.6	6.0	6.5	6.9	8.0
	6H	9.9	10.3	10.8	11.2	12.3	5.5	5.8	6.4	6.8	7.8
	8H	9.8	10.2	10.8	11.1	12.2	5.4	5.7	6.3	6.6	7.7
	12H	9.8	10.1	10.7	11.0	12.1	5.4	5.6	6.3	6.5	7.7
12H	4H	9.9	10.3	10.8	11.2	12.3	5.5	5.9	6.4	6.8	7.9
	6H	9.8	10.2	10.7	11.1	12.2	5.4	5.7	6.3	6.6	7.8
	8H	9.8	10.1	10.7	11.0	12.1	5.4	5.6	6.3	6.5	7.7

Maximum UGR = 12.9

POLAR GRAPH



Maximum Candela = 1490.099 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)