



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-3070-FB-HO-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L445 HO NW 30 70  
[TESTLAB] Dekko  
[TESTDATE] 04-05-2017  
[ISSUE DATE] 9/2/2020  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CURV-8-LED-3070-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	4070
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
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	2084	1799	1667
55	1594	1137	879
65	868	443	252
75	207	80	51
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>	1540.950	1540.950	1540.950	1540.950	1540.950	1540.950	1540.950	1540.950	1540.950	1540.950
<b>10</b>	1508.724	1503.198	1501.532	1501.154	1497.216	1492.892	1488.622	1484.240	1482.430	1479.796
<b>20</b>	1402.088	1400.140	1392.796	1381.830	1368.542	1348.408	1338.602	1330.942	1327.570	1326.116
<b>30</b>	1220.918	1219.062	1200.294	1174.072	1154.772	1146.058	1140.688	1138.562	1133.602	1134.358
<b>40</b>	973.794	966.122	931.788	900.796	883.802	873.576	867.884	862.470	858.800	856.842
<b>50</b>	670.690	656.536	614.514	581.376	553.864	527.132	493.422	474.706	462.894	458.776
<b>60</b>	349.790	336.994	293.114	253.810	210.400	163.680	132.668	116.108	107.016	104.002
<b>70</b>	59.658	58.442	48.978	28.614	22.732	20.602	18.292	16.318	15.290	14.726
<b>80</b>	0.000	0.506	1.134	1.472	1.714	1.266	0.724	0.238	0.000	0.000
<b>90</b>	0.000	0.448	0.838	1.074	0.954	0.398	0.000	0.000	0.000	0.000
<b>100</b>	73.974	60.542	56.226	82.210	65.734	68.188	61.348	51.488	40.026	34.550
<b>110</b>	199.286	187.712	167.010	156.936	155.644	168.540	153.382	144.710	125.386	121.290
<b>120</b>	274.734	268.924	253.798	237.144	219.444	210.916	203.158	191.912	180.712	182.124
<b>130</b>	308.668	307.666	303.946	290.556	279.602	270.890	251.292	238.940	235.582	235.652
<b>140</b>	329.746	334.860	333.902	326.172	311.976	291.110	285.222	283.368	283.102	283.290
<b>150</b>	325.746	325.566	322.328	322.014	316.056	315.764	315.992	315.684	316.378	316.664
<b>160</b>	326.312	327.172	334.348	335.788	335.918	336.268	336.664	337.648	338.582	339.352
<b>170</b>	340.050	339.932	341.982	345.870	349.928	350.792	351.804	351.264	351.024	350.438
<b>180</b>	345.974	345.974	345.974	345.974	345.974	345.974	345.974	345.974	345.974	345.974

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	549.55	N.A.	13.50
0-30	1134.25	N.A.	27.90
0-40	1781.48	N.A.	43.80
0-60	2677.78	N.A.	65.80
0-80	2810.06	N.A.	69.00
0-90	2810.71	N.A.	69.10
10-90	2665.86	N.A.	65.50
20-40	1231.92	N.A.	30.30
20-50	1790.8	N.A.	44.00
40-70	1012.5	N.A.	24.90
60-80	132.27	N.A.	3.20
70-80	16.08	N.A.	0.40
80-90	0.65	N.A.	0.00
90-110	148.13	N.A.	3.60
90-120	336.40	N.A.	8.30
90-130	557.95	N.A.	13.70
90-150	978.37	N.A.	24.00
90-180	1259.57	N.A.	30.90
110-180	1111.44	N.A.	27.30
0-180	4070.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	144.85
10-20	404.70
20-30	584.69
30-40	647.23
40-50	558.88
50-60	337.43
60-70	116.20
70-80	16.08
80-90	0.65
90-100	32.96
100-110	115.17
110-120	188.27
120-130	221.55
130-140	224.02
140-150	196.39
150-160	151.36
160-170	96.74
170-180	33.10

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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	69	84	77	71	66	69	65	61	63	59	56	57	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

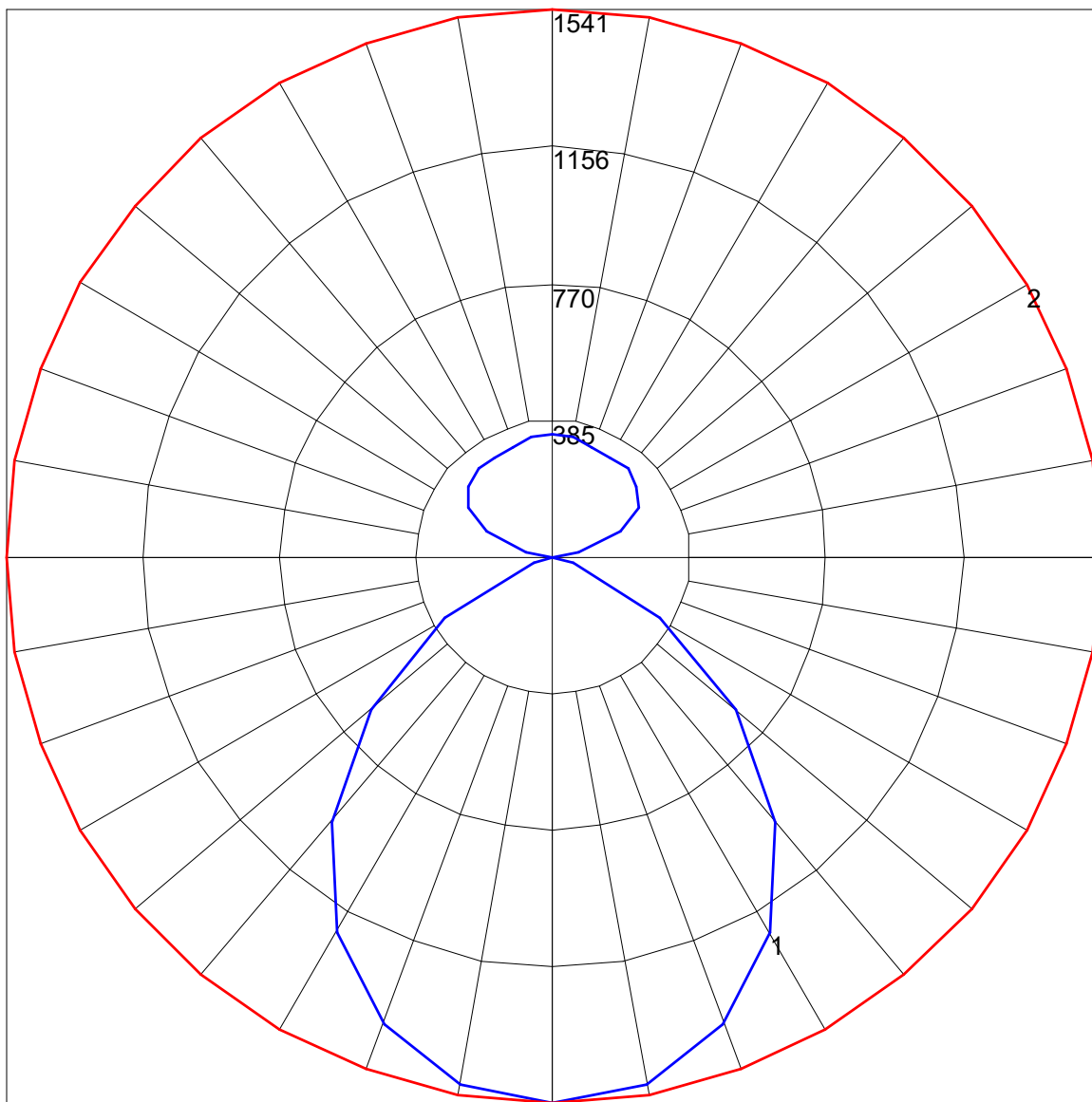
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**UGR TABLE - CORRECTED**

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	10.3	11.2	11.1	12.0	13.0	5.8	6.7	6.6	7.5	8.5
	3H	10.5	11.3	11.3	12.1	13.1	5.8	6.6	6.6	7.4	8.4
	4H	10.5	11.2	11.3	12.1	13.1	5.7	6.5	6.5	7.3	8.3
	6H	10.4	11.1	11.2	11.9	12.9	5.6	6.3	6.4	7.1	8.2
	8H	10.3	11.0	11.2	11.8	12.9	5.6	6.2	6.4	7.1	8.1
	12H	10.3	10.9	11.1	11.7	12.8	5.5	6.1	6.4	7.0	8.0
4H	2H	10.1	10.9	11.0	11.7	12.7	6.0	6.8	6.8	7.6	8.6
	3H	10.4	11.0	11.2	11.9	12.9	6.0	6.6	6.8	7.5	8.5
	4H	10.3	10.9	11.2	11.8	12.8	5.9	6.5	6.7	7.3	8.4
	6H	10.3	10.7	11.1	11.6	12.7	5.8	6.3	6.7	7.2	8.2
	8H	10.2	10.7	11.1	11.5	12.6	5.8	6.2	6.6	7.1	8.2
	12H	10.1	10.5	11.0	11.4	12.5	5.7	6.1	6.6	7.0	8.1
8H	4H	10.2	10.6	11.1	11.5	12.6	5.8	6.2	6.7	7.1	8.2
	6H	10.1	10.5	11.0	11.4	12.5	5.7	6.0	6.6	7.0	8.0
	8H	10.0	10.4	11.0	11.3	12.4	5.6	5.9	6.5	6.8	7.9
	12H	10.0	10.3	10.9	11.2	12.3	5.6	5.8	6.5	6.7	7.9
12H	4H	10.1	10.5	11.0	11.4	12.5	5.7	6.1	6.6	7.0	8.1
	6H	10.0	10.4	10.9	11.3	12.4	5.6	5.9	6.5	6.8	8.0
	8H	10.0	10.3	10.9	11.2	12.3	5.6	5.8	6.5	6.7	7.9

Maximum UGR = 13.1

POLAR GRAPH



Maximum Candela = 1540.95 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.)