



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L445 HO SS 30 70  
 [TESTLAB] Dekko  
 [TESTDATE] 03-31-2017  
 [ISSUE DATE] 9/2/2020  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] CURV-8-LED-3070-FB-SS-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	3279
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	81.2
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	1679	1449	1343
55	1284	916	708
65	699	356	203
75	166	65	41
85	0	18	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>	1241.252	1241.252	1241.252	1241.252	1241.252	1241.252	1241.252	1241.252	1241.252	1241.252
<b>10</b>	1215.294	1210.843	1209.501	1209.196	1206.024	1202.541	1199.101	1195.572	1194.114	1191.992
<b>20</b>	1129.397	1127.828	1121.912	1113.079	1102.376	1086.157	1078.259	1072.088	1069.372	1068.201
<b>30</b>	983.463	981.968	966.850	945.728	930.182	923.162	918.837	917.124	913.129	913.738
<b>40</b>	784.402	778.222	750.565	725.601	711.912	703.675	699.090	694.729	691.773	690.196
<b>50</b>	540.248	528.847	494.998	468.305	446.144	424.611	397.457	382.381	372.866	369.549
<b>60</b>	281.760	271.452	236.107	204.447	169.480	131.846	106.866	93.526	86.203	83.775
<b>70</b>	48.055	47.076	39.452	23.049	18.311	16.595	14.734	13.144	12.316	11.862
<b>80</b>	0.000	0.408	0.913	1.186	1.381	1.020	0.583	0.192	0.000	0.000
<b>90</b>	0.000	0.361	0.675	0.865	0.768	0.321	0.000	0.000	0.000	0.000
<b>100</b>	59.587	48.767	45.291	66.221	52.949	54.926	49.416	41.474	32.241	27.830
<b>110</b>	160.527	151.204	134.528	126.414	125.373	135.761	123.551	116.565	101.000	97.700
<b>120</b>	221.301	216.621	204.437	191.022	176.765	169.895	163.646	154.587	145.566	146.703
<b>130</b>	248.635	247.828	244.832	234.046	225.222	218.205	202.418	192.469	189.764	189.820
<b>140</b>	265.614	269.733	268.962	262.735	251.300	234.492	229.749	228.256	228.042	228.193
<b>150</b>	262.392	262.247	259.639	259.386	254.587	254.351	254.535	254.287	254.846	255.076
<b>160</b>	262.848	263.541	269.321	270.481	270.586	270.868	271.187	271.979	272.732	273.352
<b>170</b>	273.914	273.819	275.470	278.602	281.871	282.567	283.382	282.947	282.754	282.282
<b>180</b>	278.686	278.686	278.686	278.686	278.686	278.686	278.686	278.686	278.686	278.686

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	442.67	N.A.	13.50
0-30	913.65	N.A.	27.90
0-40	1435.00	N.A.	43.80
0-60	2156.98	N.A.	65.80
0-80	2263.53	N.A.	69.00
0-90	2264.06	N.A.	69.10
10-90	2147.38	N.A.	65.50
20-40	992.33	N.A.	30.30
20-50	1442.51	N.A.	44.00
40-70	815.58	N.A.	24.90
60-80	106.55	N.A.	3.20
70-80	12.95	N.A.	0.40
80-90	0.53	N.A.	0.00
90-110	119.32	N.A.	3.60
90-120	270.97	N.A.	8.30
90-130	449.44	N.A.	13.70
90-150	788.08	N.A.	24.00
90-180	1014.6	N.A.	30.90
110-180	895.28	N.A.	27.30
0-180	3278.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	116.68
10-20	325.99
20-30	470.98
30-40	521.35
40-50	450.18
50-60	271.80
60-70	93.60
70-80	12.95
80-90	0.53
90-100	26.55
100-110	92.77
110-120	151.65
120-130	178.46
130-140	180.45
140-150	158.19
150-160	121.92
160-170	77.93
170-180	26.66

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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	34	30	27	32	28	25	23

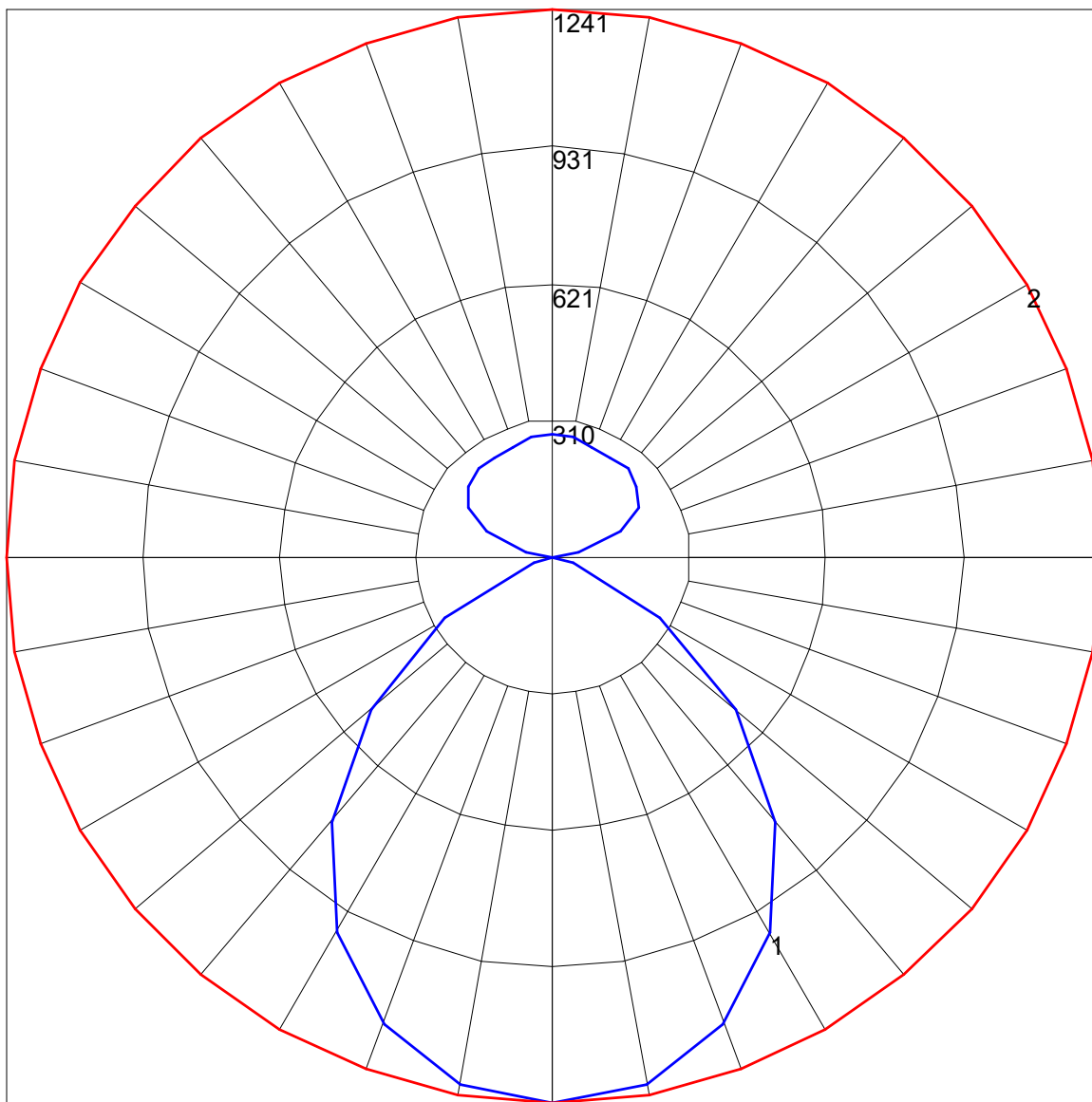
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**UGR TABLE - CORRECTED**

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	9.5	10.4	10.3	11.2	12.2	5.0	5.9	5.8	6.7	7.7
	3H	9.7	10.5	10.5	11.3	12.3	5.0	5.8	5.8	6.6	7.6
	4H	9.7	10.4	10.5	11.3	12.3	4.9	5.7	5.7	6.5	7.5
	6H	9.6	10.3	10.4	11.1	12.1	4.8	5.5	5.6	6.3	7.4
	8H	9.5	10.2	10.4	11.0	12.1	4.8	5.4	5.6	6.3	7.3
	12H	9.5	10.1	10.3	10.9	12.0	4.7	5.3	5.6	6.2	7.2
4H	2H	9.3	10.1	10.2	10.9	11.9	5.2	6.0	6.0	6.8	7.8
	3H	9.6	10.2	10.4	11.1	12.1	5.2	5.8	6.0	6.7	7.7
	4H	9.5	10.1	10.4	11.0	12.0	5.1	5.7	5.9	6.5	7.6
	6H	9.5	9.9	10.3	10.8	11.9	5.0	5.5	5.9	6.4	7.4
	8H	9.4	9.9	10.3	10.7	11.8	5.0	5.4	5.8	6.3	7.4
	12H	9.3	9.7	10.2	10.6	11.7	4.9	5.3	5.8	6.2	7.3
8H	4H	9.4	9.8	10.3	10.7	11.8	5.0	5.4	5.9	6.3	7.4
	6H	9.3	9.7	10.2	10.6	11.7	4.9	5.2	5.8	6.2	7.2
	8H	9.2	9.6	10.2	10.5	11.6	4.8	5.1	5.7	6.0	7.1
	12H	9.2	9.5	10.1	10.4	11.5	4.8	5.0	5.7	5.9	7.1
12H	4H	9.3	9.7	10.2	10.6	11.7	4.9	5.3	5.8	6.2	7.3
	6H	9.2	9.6	10.1	10.5	11.6	4.8	5.1	5.7	6.0	7.2
	8H	9.2	9.5	10.1	10.4	11.5	4.8	5.0	5.7	5.9	7.1

Maximum UGR = 12.3

POLAR GRAPH



Maximum Candela = 1241.252 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.)