



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-2080-FB-SS-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L445 HO SS 20 80  
 [TESTLAB] Dekko  
 [TESTDATE] 04-10-2017  
 [ISSUE DATE] 9/2/2020  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] CURV-8-LED-2080-FB-SS-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	3650
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	81.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.26
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	1900	1701	1656
55	1559	1211	1043
65	1061	639	470
75	558	335	301
85	652	712	704

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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>	1311.320	1311.320	1311.320	1311.320	1311.320	1311.320	1311.320	1311.320	1311.320	1311.320
<b>10</b>	1296.605	1293.710	1291.073	1289.583	1288.368	1283.874	1281.181	1278.444	1277.400	1276.872
<b>20</b>	1213.269	1212.144	1210.288	1204.707	1197.261	1187.824	1180.798	1172.828	1168.910	1168.071
<b>30</b>	1069.563	1068.014	1058.472	1039.990	1029.645	1019.562	1019.789	1016.265	1013.691	1013.755
<b>40</b>	871.629	865.082	842.573	820.873	809.267	804.521	804.996	809.483	808.140	807.312
<b>50</b>	627.251	617.506	588.417	563.167	542.280	527.802	513.400	504.783	501.420	499.199
<b>60</b>	370.834	356.729	319.010	288.874	257.395	222.937	193.102	176.120	171.249	168.627
<b>70</b>	129.502	121.633	103.703	79.507	63.844	58.689	55.325	53.729	52.884	52.902
<b>80</b>	31.671	33.209	33.598	34.651	35.297	35.419	35.284	34.658	34.359	34.125
<b>90</b>	31.726	33.015	33.787	34.126	34.056	33.794	33.717	33.631	34.078	34.376
<b>100</b>	87.923	75.966	67.287	66.224	66.267	67.620	65.166	62.532	59.161	58.714
<b>110</b>	165.469	156.032	134.784	115.583	111.576	101.562	95.081	89.099	85.844	84.472
<b>120</b>	207.717	204.862	186.619	169.465	146.559	134.224	127.344	124.254	117.856	116.837
<b>130</b>	228.609	229.356	215.132	202.614	190.752	182.356	172.825	161.401	150.032	150.345
<b>140</b>	240.327	243.078	240.087	229.048	219.921	213.847	208.511	193.265	190.397	191.210
<b>150</b>	250.124	252.109	251.712	251.069	239.904	231.479	217.054	212.741	212.733	213.474
<b>160</b>	242.185	245.228	243.928	240.354	235.824	232.576	230.793	230.928	230.992	231.346
<b>170</b>	232.211	233.836	234.845	236.799	237.527	238.436	239.612	240.076	240.448	240.260
<b>180</b>	237.950	237.950	237.950	237.950	237.950	237.950	237.950	237.950	237.950	237.950

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	475.06	N.A.	13.00
0-30	990.19	N.A.	27.10
0-40	1573.42	N.A.	43.10
0-60	2461.49	N.A.	67.40
0-80	2681.56	N.A.	73.50
0-90	2718.69	N.A.	74.50
10-90	2594.75	N.A.	71.10
20-40	1098.36	N.A.	30.10
20-50	1628.7	N.A.	44.60
40-70	1049.95	N.A.	28.80
60-80	220.07	N.A.	6.00
70-80	58.18	N.A.	1.60
80-90	37.13	N.A.	1.00
90-110	150.06	N.A.	4.10
90-120	281.75	N.A.	7.70
90-130	434.64	N.A.	11.90
90-150	733.09	N.A.	20.10
90-180	931.67	N.A.	25.50
110-180	781.61	N.A.	21.40
0-180	3650.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	123.95
10-20	351.12
20-30	515.13
30-40	583.23
40-50	530.34
50-60	357.73
60-70	161.89
70-80	58.18
80-90	37.13
90-100	54.97
100-110	95.10
110-120	131.69
120-130	152.89
130-140	156.95
140-150	141.50
150-160	108.72
160-170	67.17
170-180	22.69

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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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79	74
1	105	101	97	94	99	96	93	90	87	85	82	79	77	75	71	70	69	65
2	96	89	84	79	91	85	80	76	78	74	70	71	68	65	64	62	60	57
3	89	80	73	67	84	76	70	65	70	65	61	64	60	57	58	55	53	50
4	82	71	64	58	78	68	62	56	63	57	53	58	53	50	53	49	46	44
5	76	64	56	51	72	62	55	49	57	51	46	52	48	44	48	44	41	38
6	70	58	50	45	67	56	49	43	52	46	41	48	43	39	44	40	37	34
7	65	53	45	40	62	51	44	39	47	41	37	44	39	35	40	36	33	31
8	61	48	41	36	58	47	40	35	43	37	33	40	35	31	37	33	30	28
9	57	45	37	32	54	43	36	31	40	34	30	37	32	29	35	30	27	25
10	53	41	34	29	51	40	33	29	37	31	27	35	30	26	32	28	25	23

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**UGR TABLE - CORRECTED**

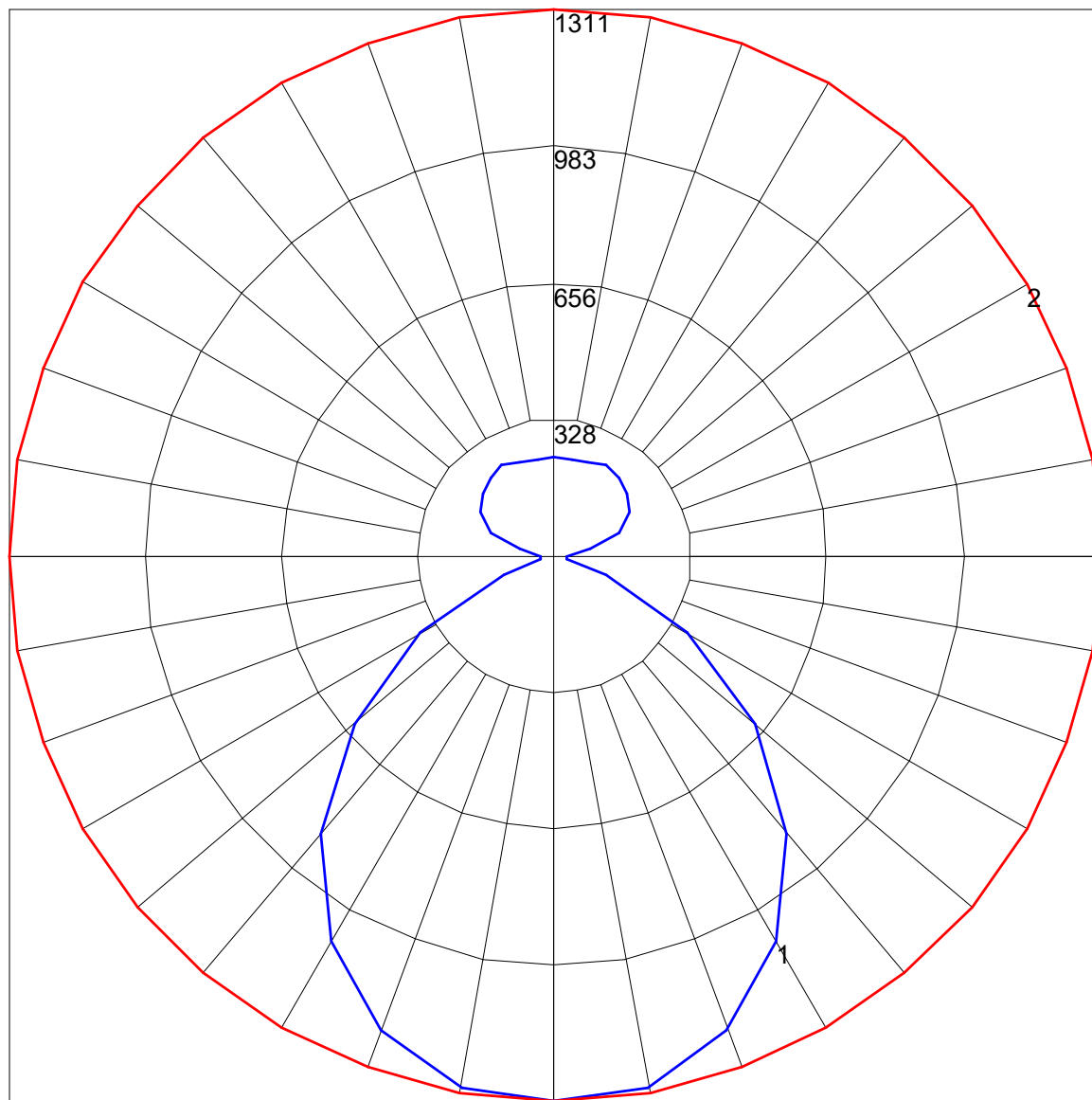
Reflectances

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	11.0	12.0	11.7	12.7	13.6	8.0	9.0	8.7	9.7	10.6
	3H	11.7	12.6	12.4	13.4	14.3	8.3	9.2	9.0	10.0	10.9
	4H	11.9	12.8	12.6	13.5	14.4	8.4	9.3	9.2	10.0	10.9
	6H	12.0	12.8	12.7	13.5	14.5	8.6	9.4	9.4	10.1	11.1
	8H	12.0	12.7	12.8	13.5	14.4	8.7	9.5	9.5	10.3	11.2
	12H	12.0	12.8	12.8	13.5	14.5	9.0	9.7	9.7	10.5	11.4
4H	2H	11.0	11.8	11.7	12.6	13.5	8.3	9.2	9.0	9.9	10.8
	3H	11.7	12.5	12.5	13.3	14.2	8.7	9.4	9.4	10.2	11.1
	4H	12.0	12.7	12.8	13.5	14.4	8.9	9.5	9.7	10.3	11.3
	6H	12.1	12.7	12.9	13.5	14.5	9.2	9.7	10.0	10.5	11.5
	8H	12.2	12.7	13.0	13.5	14.5	9.4	9.9	10.2	10.7	11.7
	12H	12.3	12.8	13.2	13.6	14.6	9.8	10.2	10.6	11.1	12.0
8H	4H	12.0	12.5	12.8	13.3	14.3	8.9	9.5	9.8	10.3	11.3
	6H	12.1	12.6	13.0	13.4	14.4	9.4	9.8	10.2	10.7	11.6
	8H	12.3	12.7	13.1	13.5	14.5	9.7	10.1	10.6	11.0	12.0
	12H	12.5	12.9	13.4	13.7	14.8	10.3	10.7	11.2	11.5	12.6
12H	4H	11.9	12.4	12.7	13.2	14.2	8.9	9.4	9.8	10.2	11.2
	6H	12.1	12.5	13.0	13.4	14.4	9.4	9.8	10.3	10.6	11.7
	8H	12.3	12.6	13.1	13.5	14.5	9.9	10.2	10.7	11.0	12.1

Maximum UGR = 14.8

POLAR GRAPH



Maximum Candela = 1311.32 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.)