



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FB-SS-40.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-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	3892
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
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	2025	1813	1765
55	1662	1291	1112
65	1131	681	501
75	595	357	321
85	695	759	751

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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>
0	1397.996	1397.996	1397.996	1397.996	1397.996	1397.996	1397.996	1397.996	1397.996	1397.996
10	1382.309	1379.221	1376.411	1374.822	1373.527	1368.736	1365.865	1362.946	1361.833	1361.270
20	1293.464	1292.265	1290.285	1284.336	1276.398	1266.337	1258.846	1250.350	1246.173	1245.278
30	1140.259	1138.608	1128.435	1108.731	1097.702	1086.953	1087.195	1083.438	1080.694	1080.763
40	929.241	922.263	898.266	875.131	862.758	857.698	858.205	862.988	861.557	860.674
50	668.711	658.322	627.311	600.391	578.124	562.688	547.334	538.148	534.563	532.195
60	395.345	380.308	340.096	307.968	274.409	237.673	205.866	187.762	182.569	179.773
70	138.061	129.673	110.557	84.763	68.064	62.568	58.981	57.280	56.379	56.399
80	33.765	35.404	35.819	36.942	37.630	37.760	37.617	36.949	36.630	36.380
90	33.823	35.198	36.021	36.382	36.307	36.027	35.946	35.854	36.330	36.649
100	93.734	80.988	71.735	70.602	70.647	72.089	69.474	66.665	63.071	62.595
110	176.406	166.345	143.693	123.222	118.951	108.275	101.366	94.989	91.518	90.056
120	221.446	218.403	198.954	180.666	156.246	143.096	135.761	132.467	125.646	124.560
130	243.719	244.515	229.352	216.007	203.360	194.409	184.248	172.069	159.949	160.283
140	256.212	259.145	255.956	244.187	234.458	227.982	222.293	206.039	202.982	203.848
150	266.657	268.772	268.349	267.665	255.761	246.780	231.401	226.803	226.794	227.584
160	258.193	261.437	260.051	256.241	251.411	247.949	246.048	246.191	246.260	246.638
170	247.559	249.292	250.368	252.451	253.227	254.197	255.449	255.944	256.341	256.141
180	253.678	253.678	253.678	253.678	253.678	253.678	253.678	253.678	253.678	253.678

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	506.46	N.A.	13.00
0-30	1055.64	N.A.	27.10
0-40	1677.42	N.A.	43.10
0-60	2624.19	N.A.	67.40
0-80	2858.8	N.A.	73.50
0-90	2898.39	N.A.	74.50
10-90	2766.25	N.A.	71.10
20-40	1170.96	N.A.	30.10
20-50	1736.35	N.A.	44.60
40-70	1119.35	N.A.	28.80
60-80	234.61	N.A.	6.00
70-80	62.02	N.A.	1.60
80-90	39.59	N.A.	1.00
90-110	159.98	N.A.	4.10
90-120	300.37	N.A.	7.70
90-130	463.37	N.A.	11.90
90-150	781.54	N.A.	20.10
90-180	993.25	N.A.	25.50
110-180	833.27	N.A.	21.40
0-180	3891.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.14
10-20	374.33
20-30	549.18
30-40	621.78
40-50	565.40
50-60	381.37
60-70	172.59
70-80	62.02
80-90	39.59
90-100	58.60
100-110	101.38
110-120	140.39
120-130	162.99
130-140	167.32
140-150	150.86
150-160	115.91
160-170	71.61
170-180	24.19

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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	104	100	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	28	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

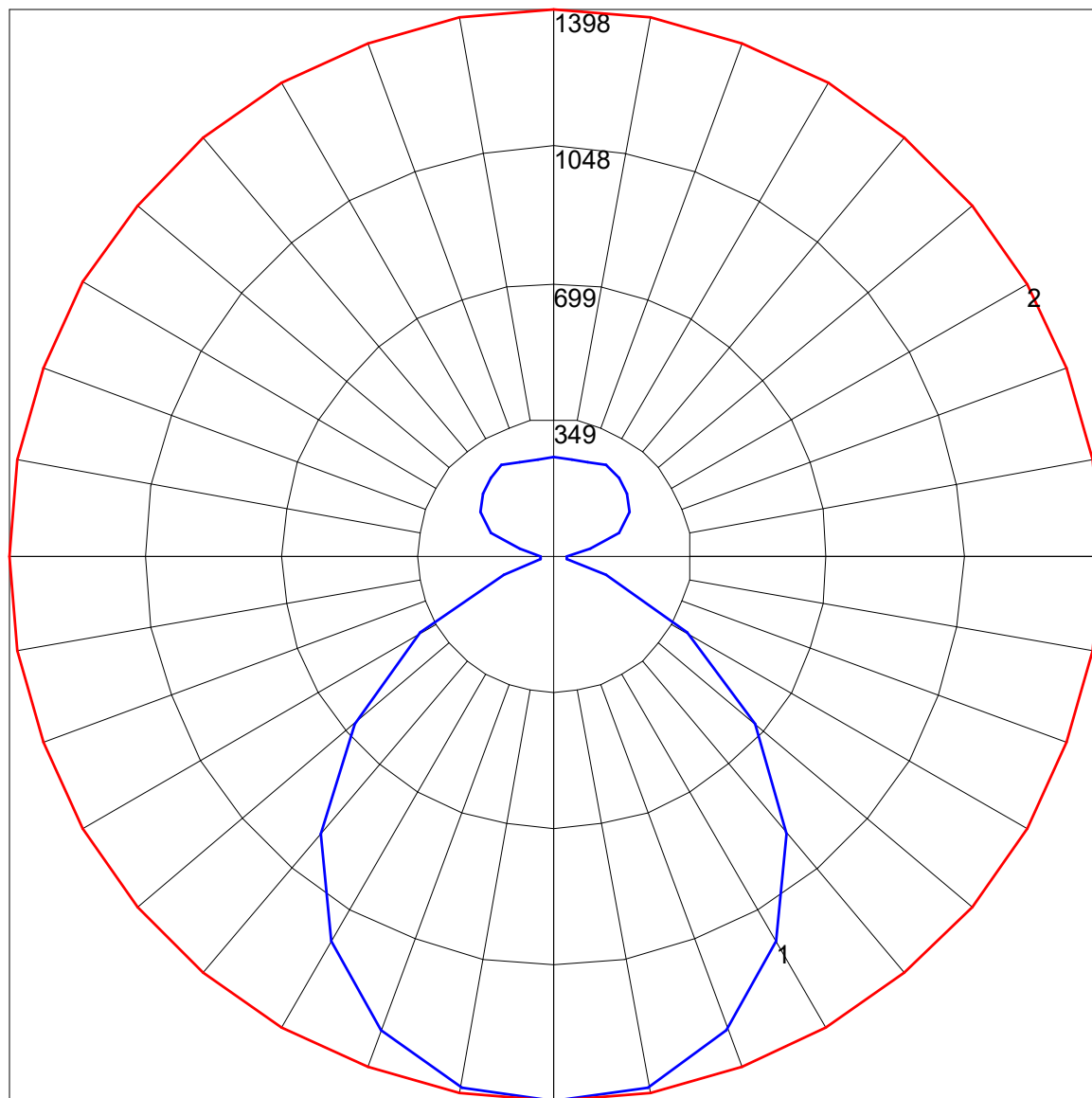
Reflectances

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	11.2	12.2	11.9	12.9	13.8	8.2	9.2	8.9	9.9	10.8
	3H	11.9	12.8	12.6	13.6	14.5	8.5	9.4	9.2	10.2	11.1
	4H	12.1	13.0	12.9	13.7	14.6	8.6	9.5	9.4	10.2	11.1
	6H	12.2	13.0	12.9	13.7	14.7	8.8	9.6	9.6	10.3	11.3
	8H	12.2	12.9	13.0	13.7	14.6	8.9	9.7	9.7	10.5	11.4
	12H	12.2	13.0	13.0	13.7	14.7	9.2	9.9	9.9	10.7	11.6
4H	2H	11.2	12.0	11.9	12.8	13.7	8.5	9.4	9.2	10.1	11.0
	3H	11.9	12.7	12.7	13.5	14.4	8.9	9.6	9.6	10.4	11.3
	4H	12.2	12.9	13.0	13.7	14.6	9.1	9.7	9.9	10.5	11.5
	6H	12.3	12.9	13.1	13.7	14.7	9.4	9.9	10.2	10.7	11.7
	8H	12.4	12.9	13.2	13.7	14.7	9.6	10.1	10.4	10.9	11.9
	12H	12.5	13.0	13.4	13.8	14.8	10.0	10.4	10.8	11.3	12.2
8H	4H	12.2	12.7	13.0	13.5	14.5	9.1	9.7	10.0	10.5	11.5
	6H	12.3	12.8	13.2	13.6	14.6	9.6	10.0	10.4	10.9	11.8
	8H	12.5	12.9	13.3	13.7	14.7	9.9	10.3	10.8	11.2	12.2
	12H	12.7	13.1	13.6	13.9	15.0	10.5	10.9	11.4	11.7	12.8
12H	4H	12.1	12.6	12.9	13.4	14.4	9.1	9.6	10.0	10.4	11.4
	6H	12.3	12.7	13.2	13.6	14.6	9.6	10.0	10.5	10.8	11.9
	8H	12.5	12.9	13.3	13.7	14.7	10.1	10.4	10.9	11.2	12.3

Maximum UGR = 15.0

POLAR GRAPH



Maximum Candela = 1397.996 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.)