



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FB-SS-35.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-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	3763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	46
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	1958	1753	1707
55	1608	1249	1076
65	1094	659	484
75	575	345	311
85	672	734	726

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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	1351.862	1351.862	1351.862	1351.862	1351.862	1351.862	1351.862	1351.862	1351.862	1351.862
10	1336.692	1333.707	1330.989	1329.452	1328.201	1323.567	1320.792	1317.969	1316.893	1316.348
20	1250.780	1249.620	1247.706	1241.953	1234.276	1224.547	1217.304	1209.088	1205.049	1204.184
30	1102.630	1101.034	1091.197	1072.143	1061.478	1051.084	1051.318	1047.685	1045.031	1045.097
40	898.577	891.828	868.623	846.252	834.287	829.394	829.884	834.509	833.126	832.272
50	646.643	636.597	606.609	580.578	559.046	544.119	529.272	520.389	516.922	514.633
60	382.299	367.758	328.872	297.805	265.353	229.830	199.072	181.565	176.544	173.841
70	133.505	125.394	106.909	81.966	65.818	60.504	57.035	55.390	54.519	54.538
80	32.651	34.236	34.637	35.723	36.388	36.514	36.375	35.729	35.422	35.180
90	32.707	34.036	34.832	35.181	35.109	34.838	34.759	34.671	35.132	35.439
100	90.641	78.315	69.367	68.272	68.315	69.711	67.181	64.465	60.990	60.529
110	170.585	160.856	138.951	119.156	115.025	104.702	98.021	91.854	88.498	87.084
120	214.139	211.195	192.388	174.704	151.090	138.374	131.281	128.096	121.500	120.450
130	235.676	236.446	221.783	208.879	196.649	187.993	178.168	166.391	154.671	154.993
140	247.757	250.593	247.509	236.129	226.721	220.459	214.957	199.240	196.284	197.121
150	257.857	259.903	259.494	258.832	247.321	238.636	223.765	219.318	219.310	220.074
160	249.673	252.810	251.469	247.785	243.114	239.767	237.929	238.067	238.133	238.499
170	239.390	241.065	242.106	244.120	244.871	245.808	247.020	247.498	247.882	247.688
180	245.307	245.307	245.307	245.307	245.307	245.307	245.307	245.307	245.307	245.307

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	489.75	N.A.	13.00
0-30	1020.81	N.A.	27.10
0-40	1622.07	N.A.	43.10
0-60	2537.59	N.A.	67.40
0-80	2764.46	N.A.	73.50
0-90	2802.74	N.A.	74.50
10-90	2674.97	N.A.	71.10
20-40	1132.32	N.A.	30.10
20-50	1679.06	N.A.	44.60
40-70	1082.42	N.A.	28.80
60-80	226.87	N.A.	6.00
70-80	59.98	N.A.	1.60
80-90	38.28	N.A.	1.00
90-110	154.70	N.A.	4.10
90-120	290.46	N.A.	7.70
90-130	448.07	N.A.	11.90
90-150	755.75	N.A.	20.10
90-180	960.48	N.A.	25.50
110-180	805.77	N.A.	21.40
0-180	3763.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.78
10-20	361.97
20-30	531.06
30-40	601.26
40-50	546.74
50-60	368.78
60-70	166.89
70-80	59.98
80-90	38.28
90-100	56.66
100-110	98.04
110-120	135.76
120-130	157.61
130-140	161.80
140-150	145.88
150-160	112.08
160-170	69.25
170-180	23.40

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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	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

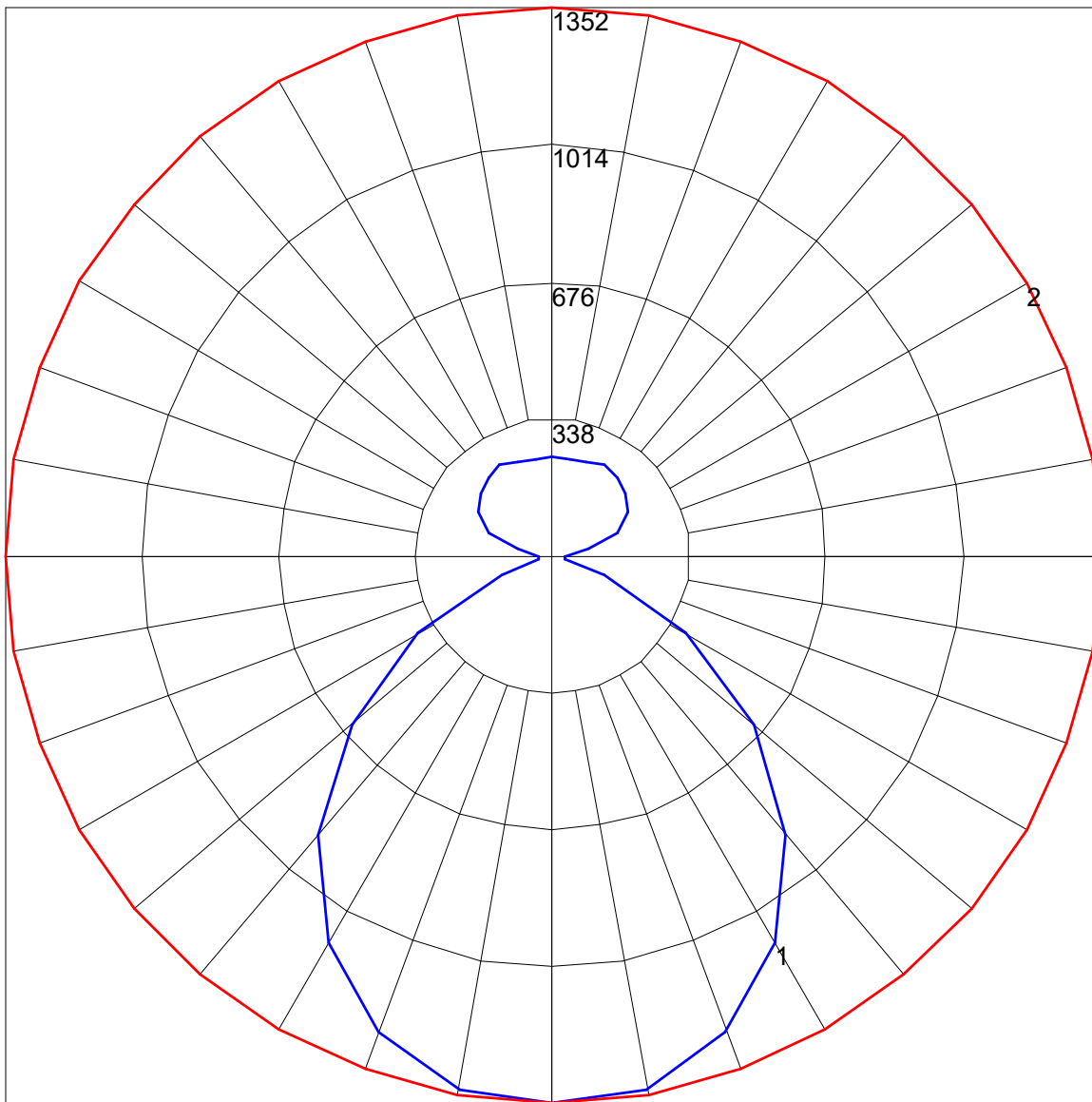
Reflectances

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	11.1	12.1	11.8	12.8	13.7	8.1	9.1	8.8	9.8	10.7
	3H	11.8	12.7	12.5	13.5	14.4	8.4	9.3	9.1	10.1	11.0
	4H	12.0	12.9	12.8	13.6	14.5	8.5	9.4	9.3	10.1	11.0
	6H	12.1	12.9	12.8	13.6	14.6	8.7	9.5	9.5	10.2	11.2
	8H	12.1	12.8	12.9	13.6	14.5	8.8	9.6	9.6	10.4	11.3
	12H	12.1	12.9	12.9	13.6	14.6	9.1	9.8	9.8	10.6	11.5
4H	2H	11.1	11.9	11.8	12.7	13.6	8.4	9.3	9.1	10.0	10.9
	3H	11.8	12.6	12.6	13.4	14.3	8.8	9.5	9.5	10.3	11.2
	4H	12.1	12.8	12.9	13.6	14.5	9.0	9.6	9.8	10.4	11.4
	6H	12.2	12.8	13.0	13.6	14.6	9.3	9.8	10.1	10.6	11.6
	8H	12.3	12.8	13.1	13.6	14.6	9.5	10.0	10.3	10.8	11.8
	12H	12.4	12.9	13.3	13.7	14.7	9.9	10.3	10.7	11.2	12.1
8H	4H	12.1	12.6	12.9	13.4	14.4	9.0	9.6	9.9	10.4	11.4
	6H	12.2	12.7	13.1	13.5	14.5	9.5	9.9	10.3	10.8	11.7
	8H	12.4	12.8	13.2	13.6	14.6	9.8	10.2	10.7	11.1	12.1
	12H	12.6	13.0	13.5	13.8	14.9	10.4	10.8	11.3	11.6	12.7
12H	4H	12.0	12.5	12.8	13.3	14.3	9.0	9.5	9.9	10.3	11.3
	6H	12.2	12.6	13.1	13.5	14.5	9.5	9.9	10.4	10.7	11.8
	8H	12.4	12.8	13.2	13.6	14.6	10.0	10.3	10.8	11.1	12.2

Maximum UGR = 14.9

POLAR GRAPH



Maximum Candela = 1351.862 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.)