



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FB-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO NW 20 80
 [TESTLAB] Dekko
 [TESTDATE] 04-10-2017
 [ISSUE DATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-LED-2080-FB-HO-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	4518
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	96.8
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	2351	2105	2049
55	1930	1499	1291
65	1313	791	581
75	691	414	373
85	807	882	872

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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	1622.883	1622.883	1622.883	1622.883	1622.883	1622.883	1622.883	1622.883	1622.883	1622.883
10	1604.673	1601.089	1597.826	1595.981	1594.479	1588.916	1585.584	1582.196	1580.904	1580.250
20	1501.536	1500.144	1497.846	1490.940	1481.724	1470.045	1461.350	1451.486	1446.638	1445.599
30	1323.686	1321.769	1309.960	1287.087	1274.284	1261.805	1262.086	1257.725	1254.539	1254.619
40	1078.723	1070.622	1042.764	1015.909	1001.545	995.672	996.259	1001.812	1000.151	999.126
50	776.282	764.222	728.223	696.973	671.123	653.205	635.381	624.717	620.555	617.807
60	458.942	441.486	394.805	357.510	318.551	275.906	238.982	217.966	211.937	208.692
70	160.271	150.533	128.342	98.398	79.014	72.633	68.469	66.495	65.448	65.472
80	39.196	41.099	41.581	42.885	43.683	43.834	43.668	42.892	42.523	42.233
90	39.264	40.860	41.815	42.235	42.148	41.823	41.728	41.622	42.175	42.544
100	108.813	94.016	83.274	81.959	82.011	83.686	80.650	77.389	73.217	72.664
110	204.784	193.104	166.808	143.044	138.086	125.693	117.672	110.269	106.240	104.542
120	257.069	253.536	230.958	209.729	181.380	166.115	157.600	153.776	145.858	144.597
130	282.925	283.849	266.246	250.755	236.074	225.682	213.887	199.749	185.679	186.066
140	297.428	300.832	297.130	283.468	272.174	264.656	258.052	239.184	235.635	236.640
150	309.552	312.008	311.517	310.722	296.904	286.478	268.625	263.287	263.277	264.194
160	299.727	303.493	301.884	297.461	291.854	287.835	285.629	285.795	285.874	286.313
170	287.383	289.394	290.643	293.061	293.962	295.088	296.542	297.117	297.577	297.345
180	294.486	294.486	294.486	294.486	294.486	294.486	294.486	294.486	294.486	294.486

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	587.94	N.A.	13.00
0-30	1225.46	N.A.	27.10
0-40	1947.26	N.A.	43.10
0-60	3046.33	N.A.	67.40
0-80	3318.68	N.A.	73.50
0-90	3364.64	N.A.	74.50
10-90	3211.24	N.A.	71.10
20-40	1359.33	N.A.	30.10
20-50	2015.67	N.A.	44.60
40-70	1299.42	N.A.	28.80
60-80	272.35	N.A.	6.00
70-80	72.00	N.A.	1.60
80-90	45.96	N.A.	1.00
90-110	185.72	N.A.	4.10
90-120	348.69	N.A.	7.70
90-130	537.90	N.A.	11.90
90-150	907.27	N.A.	20.10
90-180	1153.03	N.A.	25.50
110-180	967.31	N.A.	21.40
0-180	4517.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.39
10-20	434.54
20-30	637.52
30-40	721.80
40-50	656.35
50-60	442.72
60-70	200.35
70-80	72.00
80-90	45.96
90-100	68.02
100-110	117.69
110-120	162.97
120-130	189.21
130-140	194.24
140-150	175.12
150-160	134.55
160-170	83.13
170-180	28.09

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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

X=2H	Y=2H	11.7	12.7	12.4	13.4	14.3	8.7	9.7	9.4	10.4	11.3
	3H	12.4	13.3	13.1	14.1	15.0	9.0	9.9	9.7	10.7	11.6
	4H	12.6	13.5	13.4	14.2	15.1	9.1	10.0	9.9	10.7	11.6
	6H	12.7	13.5	13.4	14.2	15.2	9.3	10.1	10.1	10.8	11.8
	8H	12.7	13.4	13.5	14.2	15.1	9.4	10.2	10.2	11.0	11.9
	12H	12.7	13.5	13.5	14.2	15.2	9.7	10.4	10.4	11.2	12.1

UGR Viewed Endwise

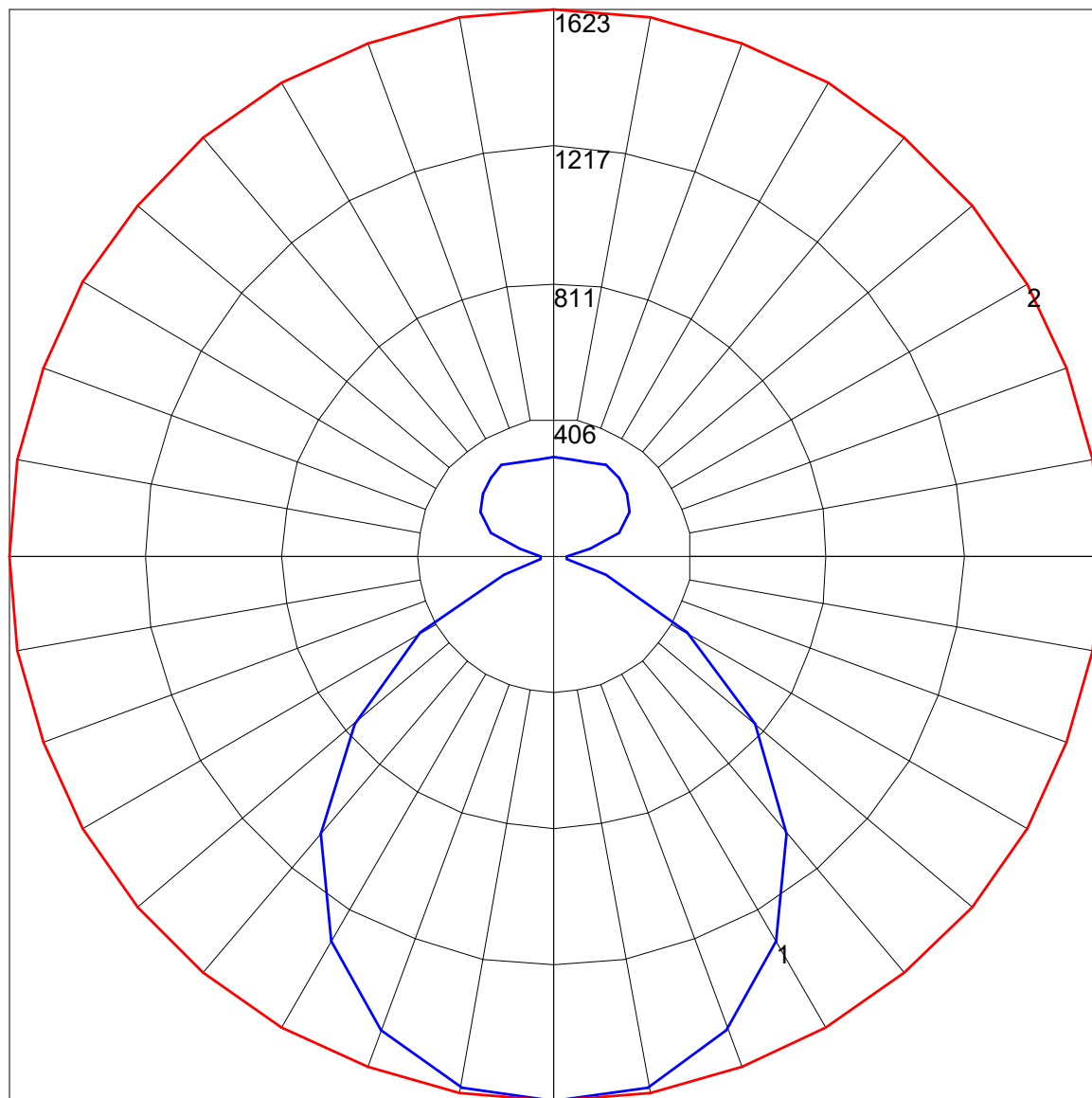
4H	2H	11.7	12.5	12.4	13.3	14.2	9.0	9.9	9.7	10.6	11.5
	3H	12.4	13.2	13.2	14.0	14.9	9.4	10.1	10.1	10.9	11.8
	4H	12.7	13.4	13.5	14.2	15.1	9.6	10.2	10.4	11.0	12.0
	6H	12.8	13.4	13.6	14.2	15.2	9.9	10.4	10.7	11.2	12.2
	8H	12.9	13.4	13.7	14.2	15.2	10.1	10.6	10.9	11.4	12.4
	12H	13.0	13.5	13.9	14.3	15.3	10.5	10.9	11.3	11.8	12.7

8H	4H	12.7	13.2	13.5	14.0	15.0	9.6	10.2	10.5	11.0	12.0
	6H	12.8	13.3	13.7	14.1	15.1	10.1	10.5	10.9	11.4	12.3
	8H	13.0	13.4	13.8	14.2	15.2	10.4	10.8	11.3	11.7	12.7
	12H	13.2	13.6	14.1	14.4	15.5	11.0	11.4	11.9	12.2	13.3

12H	4H	12.6	13.1	13.4	13.9	14.9	9.6	10.1	10.5	10.9	11.9
	6H	12.8	13.2	13.7	14.1	15.1	10.1	10.5	11.0	11.3	12.4
	8H	13.0	13.4	13.8	14.2	15.2	10.6	10.9	11.4	11.7	12.8

Maximum UGR = 15.5

POLAR GRAPH



Maximum Candela = 1622.883 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.)