



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 VHO NW 20 80
 [TESTLAB] Dekko
 [TESTDATE] 04-10-2017
 [ISSUE DATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-LED-2080-FB-VHO-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	6664
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	143.8
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	3468	3105	3023
55	2847	2211	1905
65	1937	1167	858
75	1019	611	550
85	1190	1300	1286

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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	2393.753	2393.753	2393.753	2393.753	2393.753	2393.753	2393.753	2393.753	2393.753	2393.753
10	2366.892	2361.606	2356.794	2354.072	2351.856	2343.652	2338.736	2333.739	2331.833	2330.869
20	2214.766	2212.712	2209.323	2199.136	2185.543	2168.316	2155.491	2140.942	2133.791	2132.259
30	1952.436	1949.609	1932.191	1898.453	1879.568	1861.163	1861.577	1855.144	1850.446	1850.563
40	1591.117	1579.167	1538.078	1498.466	1477.279	1468.615	1469.483	1477.673	1475.222	1473.710
50	1145.017	1127.227	1074.128	1028.035	989.907	963.477	937.187	921.457	915.318	911.265
60	676.940	651.192	582.337	527.327	469.863	406.962	352.499	321.499	312.608	307.821
70	236.399	222.036	189.305	145.137	116.545	107.134	100.992	98.080	96.537	96.571
80	57.815	60.622	61.332	63.255	64.433	64.655	64.410	63.266	62.721	62.293
90	57.914	60.268	61.677	62.296	62.168	61.689	61.549	61.392	62.208	62.753
100	160.499	138.673	122.829	120.890	120.967	123.437	118.958	114.149	107.996	107.180
110	302.056	284.829	246.041	210.991	203.676	185.397	173.567	162.647	156.705	154.200
120	379.177	373.965	340.663	309.350	267.536	245.020	232.460	226.820	215.141	213.281
130	417.314	418.678	392.713	369.863	348.209	332.881	315.483	294.630	273.877	274.448
140	438.706	443.727	438.267	418.116	401.456	390.368	380.626	352.796	347.561	349.045
150	456.589	460.212	459.488	458.315	437.933	422.554	396.222	388.348	388.334	389.686
160	442.098	447.652	445.279	438.755	430.485	424.557	421.302	421.547	421.664	422.312
170	423.890	426.856	428.699	432.265	433.594	435.254	437.400	438.247	438.926	438.584
180	434.367	434.367	434.367	434.367	434.367	434.367	434.367	434.367	434.367	434.367

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	867.21	N.A.	13.00
0-30	1807.55	N.A.	27.10
0-40	2872.21	N.A.	43.10
0-60	4493.33	N.A.	67.40
0-80	4895.06	N.A.	73.50
0-90	4962.84	N.A.	74.50
10-90	4736.59	N.A.	71.10
20-40	2005.01	N.A.	30.10
20-50	2973.12	N.A.	44.60
40-70	1916.64	N.A.	28.80
60-80	401.72	N.A.	6.00
70-80	106.20	N.A.	1.60
80-90	67.79	N.A.	1.00
90-110	273.94	N.A.	4.10
90-120	514.32	N.A.	7.70
90-130	793.41	N.A.	11.90
90-150	1338.22	N.A.	20.10
90-180	1700.72	N.A.	25.50
110-180	1426.79	N.A.	21.40
0-180	6663.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	226.26
10-20	640.95
20-30	940.35
30-40	1064.66
40-50	968.11
50-60	653.01
60-70	295.52
70-80	106.20
80-90	67.79
90-100	100.34
100-110	173.60
110-120	240.39
120-130	279.09
130-140	286.50
140-150	258.31
150-160	198.47
160-170	122.61
170-180	41.43

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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

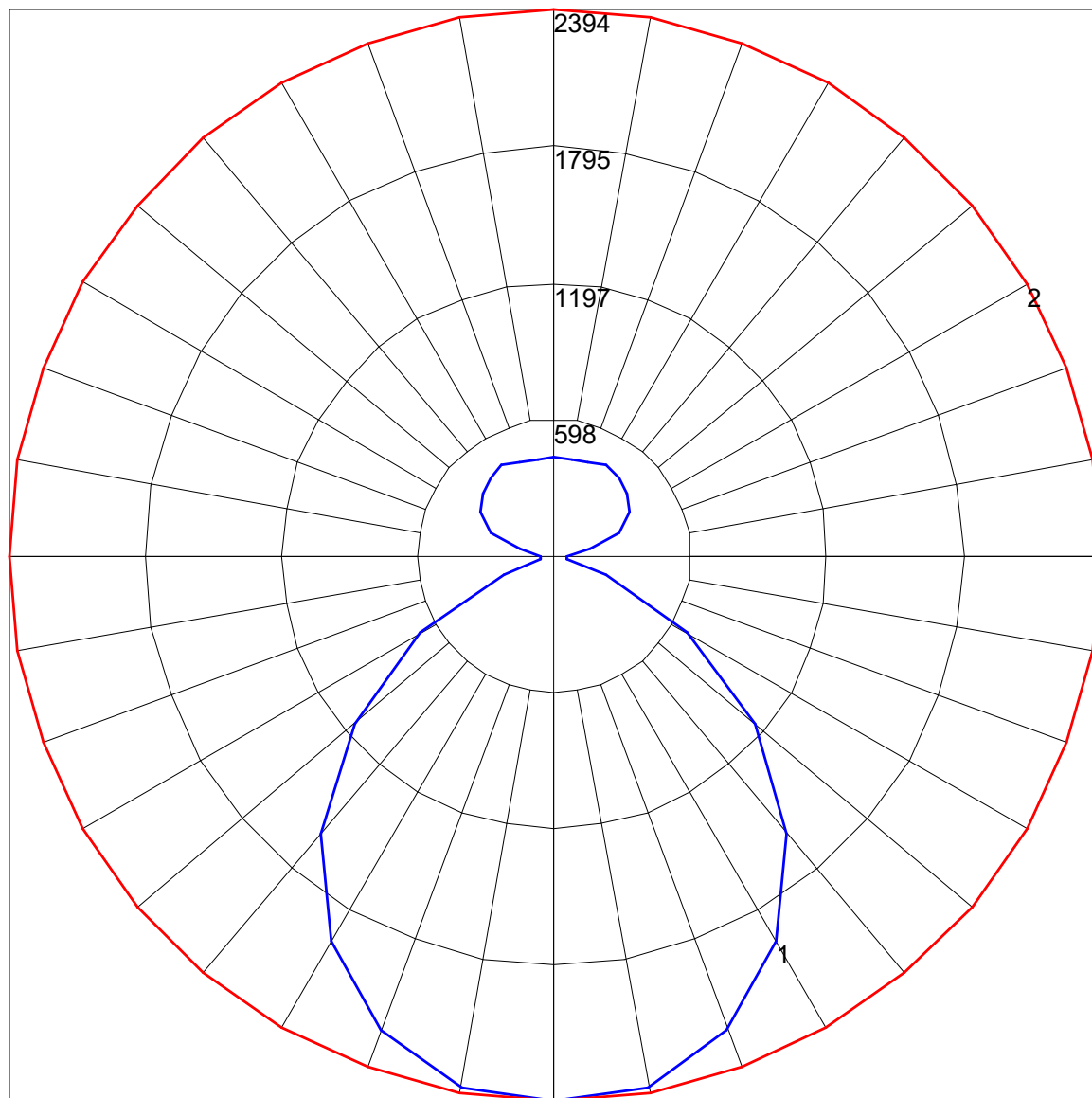
Reflectances

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	13.1	14.1	13.8	14.8	15.7	10.1	11.1	10.8	11.8	12.7
	3H	13.8	14.7	14.5	15.5	16.4	10.4	11.3	11.1	12.1	13.0
	4H	14.0	14.9	14.8	15.6	16.5	10.5	11.4	11.3	12.1	13.0
	6H	14.1	14.9	14.8	15.6	16.6	10.7	11.5	11.5	12.2	13.2
	8H	14.1	14.8	14.9	15.6	16.5	10.8	11.6	11.6	12.4	13.3
	12H	14.1	14.9	14.9	15.6	16.6	11.1	11.8	11.8	12.6	13.5
4H	2H	13.1	13.9	13.8	14.7	15.6	10.4	11.3	11.1	12.0	12.9
	3H	13.8	14.6	14.6	15.4	16.3	10.8	11.5	11.5	12.3	13.2
	4H	14.1	14.8	14.9	15.6	16.5	11.0	11.6	11.8	12.4	13.4
	6H	14.2	14.8	15.0	15.6	16.6	11.3	11.8	12.1	12.6	13.6
	8H	14.3	14.8	15.1	15.6	16.6	11.5	12.0	12.3	12.8	13.8
	12H	14.4	14.9	15.3	15.7	16.7	11.9	12.3	12.7	13.2	14.1
8H	4H	14.1	14.6	14.9	15.4	16.4	11.0	11.6	11.9	12.4	13.4
	6H	14.2	14.7	15.1	15.5	16.5	11.5	11.9	12.3	12.8	13.7
	8H	14.4	14.8	15.2	15.6	16.6	11.8	12.2	12.7	13.1	14.1
	12H	14.6	15.0	15.5	15.8	16.9	12.4	12.8	13.3	13.6	14.7
12H	4H	14.0	14.5	14.8	15.3	16.3	11.0	11.5	11.9	12.3	13.3
	6H	14.2	14.6	15.1	15.5	16.5	11.5	11.9	12.4	12.7	13.8
	8H	14.4	14.8	15.2	15.6	16.6	12.0	12.3	12.8	13.1	14.2

Maximum UGR = 16.9

POLAR GRAPH



Maximum Candela = 2393.753 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.)