



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-2080-FB-VHO-40.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-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	6891
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
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	3586	3211	3126
55	2944	2286	1970
65	2003	1207	887
75	1053	632	569
85	1231	1345	1330

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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	2475.442	2475.442	2475.442	2475.442	2475.442	2475.442	2475.442	2475.442	2475.442	2475.442
10	2447.665	2442.199	2437.222	2434.408	2432.116	2423.632	2418.549	2413.380	2411.410	2410.413
20	2290.348	2288.224	2284.719	2274.185	2260.128	2242.313	2229.050	2214.005	2206.609	2205.025
30	2019.066	2016.142	1998.129	1963.240	1943.711	1924.677	1925.105	1918.453	1913.594	1913.715
40	1645.416	1633.058	1590.566	1549.603	1527.693	1518.734	1519.631	1528.100	1525.566	1524.002
50	1184.092	1165.695	1110.784	1063.118	1023.688	996.357	969.169	952.903	946.555	942.363
60	700.041	673.414	602.210	545.322	485.897	420.850	364.529	332.471	323.276	318.326
70	244.467	229.613	195.765	150.090	120.522	110.790	104.439	101.427	99.831	99.866
80	59.788	62.690	63.425	65.413	66.632	66.862	66.608	65.425	64.862	64.419
90	59.891	62.325	63.782	64.422	64.289	63.794	63.649	63.487	64.331	64.894
100	165.976	143.405	127.021	125.015	125.095	127.649	123.018	118.044	111.681	110.837
110	312.364	294.549	254.438	218.191	210.627	191.723	179.490	168.197	162.052	159.462
120	392.117	386.727	352.289	319.907	276.666	253.381	240.393	234.560	222.483	220.560
130	431.556	432.966	406.115	382.485	360.092	344.241	326.249	304.685	283.224	283.814
140	453.678	458.870	453.223	432.384	415.156	403.690	393.616	364.835	359.422	360.956
150	472.171	475.918	475.168	473.956	452.878	436.975	409.743	401.601	401.586	402.985
160	457.185	462.929	460.474	453.728	445.176	439.046	435.680	435.933	436.054	436.724
170	438.355	441.423	443.329	447.016	448.391	450.108	452.326	453.203	453.905	453.551
180	449.191	449.191	449.191	449.191	449.191	449.191	449.191	449.191	449.191	449.191

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	896.80	N.A.	13.00
0-30	1869.24	N.A.	27.10
0-40	2970.23	N.A.	43.10
0-60	4646.67	N.A.	67.40
0-80	5062.1	N.A.	73.50
0-90	5132.21	N.A.	74.50
10-90	4898.23	N.A.	71.10
20-40	2073.43	N.A.	30.10
20-50	3074.58	N.A.	44.60
40-70	1982.05	N.A.	28.80
60-80	415.43	N.A.	6.00
70-80	109.83	N.A.	1.60
80-90	70.10	N.A.	1.00
90-110	283.28	N.A.	4.10
90-120	531.87	N.A.	7.70
90-130	820.49	N.A.	11.90
90-150	1383.89	N.A.	20.10
90-180	1758.76	N.A.	25.50
110-180	1475.48	N.A.	21.40
0-180	6890.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	233.98
10-20	662.82
20-30	972.44
30-40	1100.99
40-50	1001.15
50-60	675.30
60-70	305.60
70-80	109.83
80-90	70.10
90-100	103.76
100-110	179.52
110-120	248.59
120-130	288.61
130-140	296.28
140-150	267.12
150-160	205.24
160-170	126.80
170-180	42.84

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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

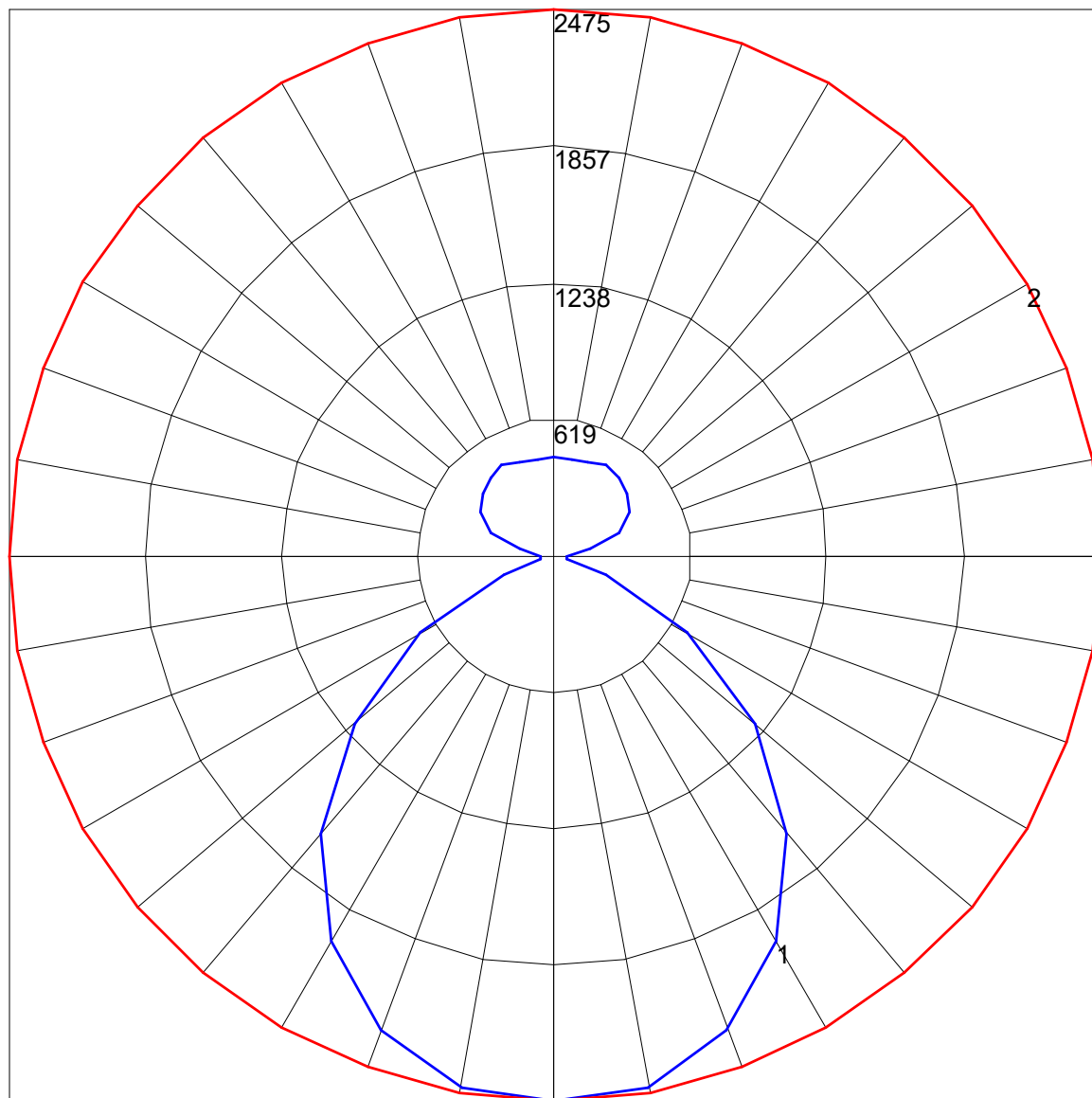
Reflectances

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	13.2	14.2	13.9	14.9	15.8	10.2	11.2	10.9	11.9	12.8
	3H	13.9	14.8	14.6	15.6	16.5	10.5	11.4	11.2	12.2	13.1
	4H	14.1	15.0	14.9	15.7	16.6	10.6	11.5	11.4	12.2	13.1
	6H	14.2	15.0	14.9	15.7	16.7	10.8	11.6	11.6	12.3	13.3
	8H	14.2	14.9	15.0	15.7	16.6	10.9	11.7	11.7	12.5	13.4
	12H	14.2	15.0	15.0	15.7	16.7	11.2	11.9	11.9	12.7	13.6
4H	2H	13.2	14.0	13.9	14.8	15.7	10.5	11.4	11.2	12.1	13.0
	3H	13.9	14.7	14.7	15.5	16.4	10.9	11.6	11.6	12.4	13.3
	4H	14.2	14.9	15.0	15.7	16.6	11.1	11.7	11.9	12.5	13.5
	6H	14.3	14.9	15.1	15.7	16.7	11.4	11.9	12.2	12.7	13.7
	8H	14.4	14.9	15.2	15.7	16.7	11.6	12.1	12.4	12.9	13.9
	12H	14.5	15.0	15.4	15.8	16.8	12.0	12.4	12.8	13.3	14.2
8H	4H	14.2	14.7	15.0	15.5	16.5	11.1	11.7	12.0	12.5	13.5
	6H	14.3	14.8	15.2	15.6	16.6	11.6	12.0	12.4	12.9	13.8
	8H	14.5	14.9	15.3	15.7	16.7	11.9	12.3	12.8	13.2	14.2
	12H	14.7	15.1	15.6	15.9	17.0	12.5	12.9	13.4	13.7	14.8
12H	4H	14.1	14.6	14.9	15.4	16.4	11.1	11.6	12.0	12.4	13.4
	6H	14.3	14.7	15.2	15.6	16.6	11.6	12.0	12.5	12.8	13.9
	8H	14.5	14.8	15.3	15.7	16.7	12.1	12.4	12.9	13.2	14.3

Maximum UGR = 17.0

POLAR GRAPH



Maximum Candela = 2475.442 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.)