



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-6040-FB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 VHO NW
 [TESTLAB] Dekko
 [TESTDATE] 04-10-2017
 [ISSUE DATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-LED-6040-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	9867
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	143.8
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	2843	2509	2430
55	2323	1776	1493
65	1553	940	651
75	835	544	442
85	1233	1227	1131

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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	1970.520	1970.520	1970.520	1970.520	1970.520	1970.520	1970.520	1970.520	1970.520	1970.520
10	1951.236	1939.761	1937.330	1933.265	1928.017	1924.807	1920.665	1914.252	1914.411	1912.981
20	1822.295	1817.548	1809.279	1798.323	1786.729	1771.720	1762.829	1752.094	1745.851	1744.751
30	1594.094	1588.664	1568.344	1540.396	1524.359	1516.633	1518.477	1514.512	1511.772	1511.961
40	1305.077	1293.106	1254.187	1219.701	1194.054	1188.254	1189.694	1193.954	1190.473	1192.358
50	938.079	917.710	868.477	830.758	801.695	775.405	751.843	736.609	727.856	725.269
60	548.671	523.708	471.192	426.455	377.680	318.172	269.893	243.410	235.575	230.324
70	183.520	172.973	150.757	118.808	98.607	91.739	86.184	80.270	77.623	76.688
80	57.516	59.897	61.272	62.021	62.384	61.236	60.124	57.289	52.253	50.961
90	62.422	62.339	62.145	60.932	58.717	56.251	54.401	54.587	59.142	59.021
100	439.459	458.465	447.323	466.103	458.333	430.042	395.601	350.678	324.350	309.815
110	976.633	1023.535	1001.932	978.397	929.654	874.938	797.612	730.774	623.282	586.091
120	1213.615	1264.650	1245.670	1219.533	1183.112	1103.365	1038.368	954.511	821.923	815.825
130	1349.926	1368.301	1380.028	1343.106	1311.116	1263.273	1197.376	1064.381	1001.469	1002.145
140	1408.613	1418.499	1452.748	1434.213	1391.624	1334.568	1224.979	1134.063	1136.685	1139.119
150	1415.619	1427.788	1415.690	1419.068	1351.973	1251.508	1216.415	1219.206	1226.463	1230.144
160	1218.798	1222.156	1232.843	1240.021	1248.381	1257.417	1263.798	1270.453	1276.607	1278.099
170	1241.469	1240.802	1245.180	1253.128	1260.591	1267.034	1273.376	1276.294	1278.731	1280.527
180	1258.228	1258.228	1258.228	1258.228	1258.228	1258.228	1258.228	1258.228	1258.228	1258.228

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	711.58	N.A.	7.20
0-30	1479.53	N.A.	15.00
0-40	2345.34	N.A.	23.80
0-60	3652.22	N.A.	37.00
0-80	3977.67	N.A.	40.30
0-90	4041.92	N.A.	41.00
10-90	3855.89	N.A.	39.10
20-40	1633.76	N.A.	16.60
20-50	2417.42	N.A.	24.50
40-70	1541.95	N.A.	15.60
60-80	325.45	N.A.	3.30
70-80	90.38	N.A.	0.90
80-90	64.25	N.A.	0.70
90-110	929.46	N.A.	9.40
90-120	1899.32	N.A.	19.20
90-130	2943.57	N.A.	29.80
90-150	4754.57	N.A.	48.20
90-180	5825.3	N.A.	59.00
110-180	4895.84	N.A.	49.60
0-180	9867.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.03
10-20	525.56
20-30	767.95
30-40	865.81
40-50	783.66
50-60	523.22
60-70	235.07
70-80	90.38
80-90	64.25
90-100	256.69
100-110	672.77
110-120	969.86
120-130	1044.24
130-140	985.54
140-150	825.46
150-160	594.30
160-170	356.16
170-180	120.28

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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	89	86	88	84	81	79	70	67	66	56	54	53	43	42	42	36
2	88	82	76	71	80	75	70	66	62	58	55	50	48	46	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	68	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	26	24	22	19
7	59	47	39	34	53	43	37	32	37	31	28	30	26	24	24	22	20	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	19	17	15	13

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UGR TABLE - CORRECTED

Reflectances

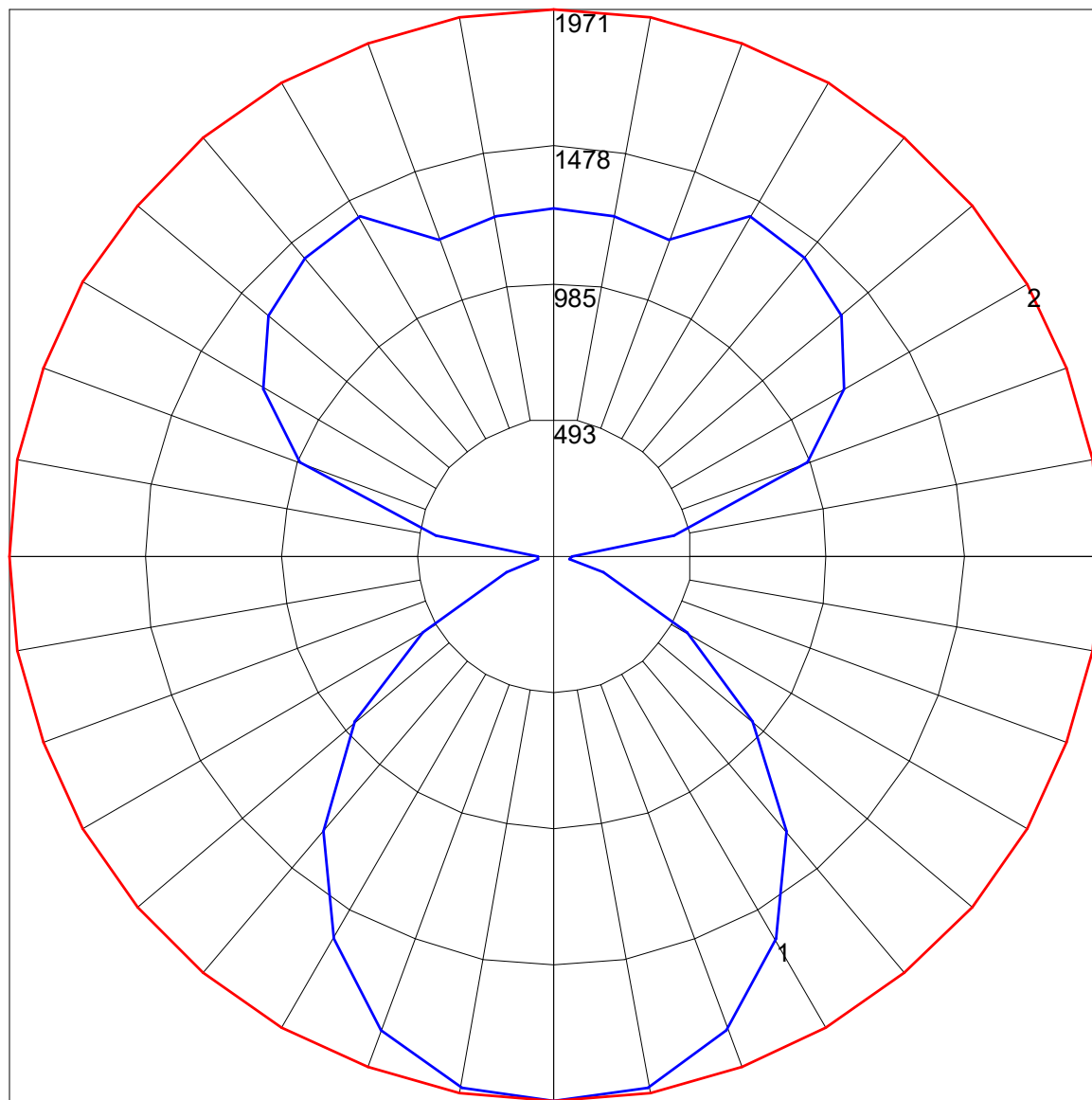
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	9.2	10.0	10.3	11.0	12.4	UGR Viewed Endwise				
	3H	9.9	10.6	11.0	11.6	13.1	7.9	7.9	7.9	7.9	9.1
	4H	10.1	10.7	11.2	11.8	13.2	7.9	7.9	7.9	8.1	9.5
	6H	10.2	10.8	11.3	11.8	13.3	7.9	7.9	7.9	8.2	9.7
	8H	10.2	10.8	11.3	11.9	13.3	7.9	7.9	7.9	8.4	9.8
	12H	10.4	10.9	11.4	11.9	13.4	7.9	7.9	8.1	8.6	10.1
4H	2H	9.2	9.8	10.3	10.9	12.3	7.9	7.9	7.9	8.0	9.4
	3H	9.9	10.5	11.0	11.5	13.0	7.9	7.9	7.9	8.3	9.7
	4H	10.2	10.7	11.3	11.7	13.2	7.9	7.9	8.0	8.4	9.9
	6H	10.4	10.8	11.5	11.9	13.3	7.9	7.9	8.3	8.7	10.2
	8H	10.5	10.9	11.6	12.0	13.4	7.9	7.9	8.6	9.0	10.4
	12H	10.7	11.0	11.8	12.1	13.6	7.9	8.3	9.0	9.4	10.9
8H	4H	10.1	10.5	11.2	11.6	13.1	7.9	7.9	8.1	8.5	9.9
	6H	10.4	10.7	11.5	11.9	13.3	7.9	7.9	8.6	9.0	10.4
	8H	10.6	10.9	11.7	12.0	13.5	8.0	8.2	9.1	9.3	10.8
	12H	11.0	11.2	12.1	12.4	13.9	8.6	8.9	9.8	10.0	11.5
12H	4H	10.1	10.4	11.2	11.5	13.0	7.9	7.9	8.1	8.5	9.9
	6H	10.4	10.7	11.5	11.8	13.3	7.9	7.9	8.7	9.0	10.5
	8H	10.7	10.9	11.8	12.0	13.6	8.1	8.4	9.3	9.5	11.0

Maximum UGR = 13.9

POLAR GRAPH



Maximum Candela = 1970.52 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.)