



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 HO NW 60 40
[TESTLAB] Dekko
[TESTDATE] 04-10-2017
[ISSUE DATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-8-LED-6040-FB-HO-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	6690
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	97
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	1927	1701	1648
55	1575	1204	1012
65	1053	637	441
75	566	369	300
85	836	832	767

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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	1335.946	1335.946	1335.946	1335.946	1335.946	1335.946	1335.946	1335.946	1335.946	1335.946
10	1322.872	1315.092	1313.444	1310.688	1307.130	1304.954	1302.146	1297.798	1297.906	1296.936
20	1235.454	1232.236	1226.630	1219.202	1211.342	1201.166	1195.138	1187.860	1183.628	1182.882
30	1080.742	1077.060	1063.284	1044.336	1033.464	1028.226	1029.476	1026.788	1024.930	1025.058
40	884.798	876.682	850.296	826.916	809.528	805.596	806.572	809.460	807.100	808.378
50	635.986	622.176	588.798	563.226	543.522	525.698	509.724	499.396	493.462	491.708
60	371.980	355.056	319.452	289.122	256.054	215.710	182.978	165.024	159.712	156.152
70	124.420	117.270	102.208	80.548	66.852	62.196	58.430	54.420	52.626	51.992
80	38.994	40.608	41.540	42.048	42.294	41.516	40.762	38.840	35.426	34.550
90	42.320	42.264	42.132	41.310	39.808	38.136	36.882	37.008	40.096	40.014
100	297.938	310.824	303.270	316.002	310.734	291.554	268.204	237.748	219.898	210.044
110	662.124	693.922	679.276	663.320	630.274	593.178	540.754	495.440	422.564	397.350
120	822.790	857.390	844.522	826.802	802.110	748.044	703.978	647.126	557.236	553.102
130	915.204	927.662	935.612	910.580	888.892	856.456	811.780	721.614	678.962	679.420
140	954.992	961.694	984.914	972.348	943.474	904.792	830.494	768.856	770.634	772.284
150	959.742	967.992	959.790	962.080	916.592	848.480	824.688	826.580	831.500	833.996
160	826.304	828.580	835.826	840.692	846.360	852.486	856.812	861.324	865.496	866.508
170	841.674	841.222	844.190	849.578	854.638	859.006	863.306	865.284	866.936	868.154
180	853.036	853.036	853.036	853.036	853.036	853.036	853.036	853.036	853.036	853.036

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	482.43	N.A.	7.20
0-30	1003.07	N.A.	15.00
0-40	1590.06	N.A.	23.80
0-60	2476.08	N.A.	37.00
0-80	2696.72	N.A.	40.30
0-90	2740.28	N.A.	41.00
10-90	2614.16	N.A.	39.10
20-40	1107.63	N.A.	16.60
20-50	1638.93	N.A.	24.50
40-70	1045.39	N.A.	15.60
60-80	220.64	N.A.	3.30
70-80	61.27	N.A.	0.90
80-90	43.56	N.A.	0.70
90-110	630.14	N.A.	9.40
90-120	1287.68	N.A.	19.20
90-130	1995.64	N.A.	29.80
90-150	3223.44	N.A.	48.20
90-180	3949.36	N.A.	59.00
110-180	3319.21	N.A.	49.60
0-180	6689.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	126.12
10-20	356.31
20-30	520.64
30-40	586.99
40-50	531.29
50-60	354.73
60-70	159.37
70-80	61.27
80-90	43.56
90-100	174.03
100-110	456.12
110-120	657.53
120-130	707.96
130-140	668.16
140-150	559.64
150-160	402.91
160-170	241.47
170-180	81.54

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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

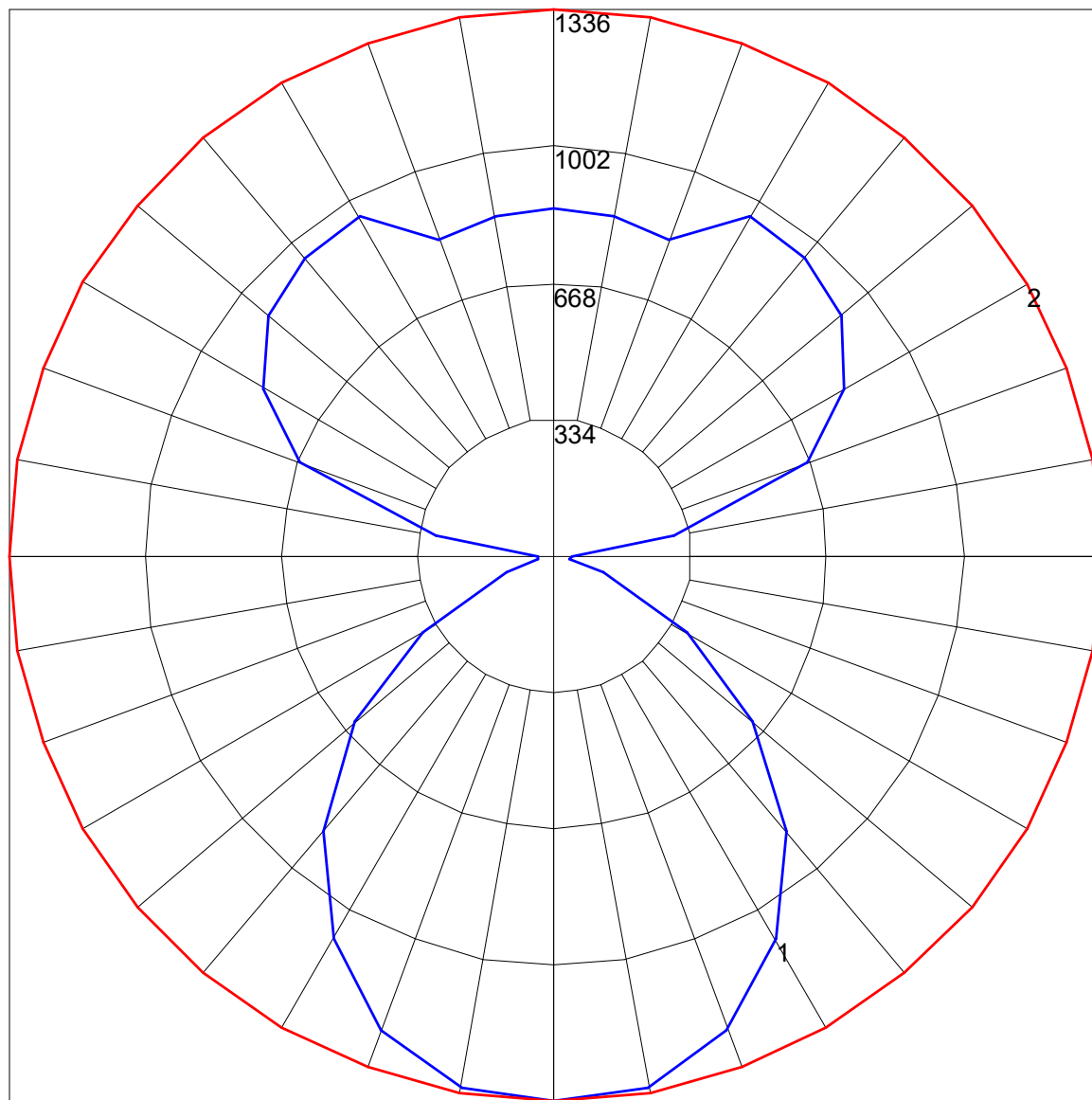
X=2H	Y=2H	7.9	8.7	9.0	9.7	11.1	6.6	6.6	6.6	6.6	7.8
	3H	8.6	9.3	9.7	10.3	11.8	6.6	6.6	6.6	6.7	8.1
	4H	8.8	9.4	9.9	10.5	11.9	6.6	6.6	6.6	6.8	8.2
	6H	8.9	9.5	10.0	10.5	12.0	6.6	6.6	6.6	6.9	8.4
	8H	8.9	9.5	10.0	10.6	12.0	6.6	6.6	6.6	7.1	8.5
	12H	9.1	9.6	10.1	10.6	12.1	6.6	6.6	6.8	7.3	8.8

UGR Viewed Endwise

4H	2H	7.9	8.5	9.0	9.6	11.0	6.6	6.6	6.6	6.7	8.1
	3H	8.6	9.2	9.7	10.2	11.7	6.6	6.6	6.6	7.0	8.4
	4H	8.9	9.4	10.0	10.4	11.9	6.6	6.6	6.7	7.1	8.6
	6H	9.1	9.5	10.2	10.6	12.0	6.6	6.6	7.0	7.4	8.9
	8H	9.2	9.6	10.3	10.7	12.1	6.6	6.6	7.3	7.7	9.1
	12H	9.4	9.7	10.5	10.8	12.3	6.6	7.0	7.7	8.1	9.6
8H	4H	8.8	9.2	9.9	10.3	11.8	6.6	6.6	6.8	7.2	8.6
	6H	9.1	9.4	10.2	10.6	12.0	6.6	6.6	7.3	7.7	9.1
	8H	9.3	9.6	10.4	10.7	12.2	6.7	6.9	7.8	8.0	9.5
	12H	9.7	9.9	10.8	11.1	12.6	7.3	7.6	8.5	8.7	10.2
12H	4H	8.8	9.1	9.9	10.2	11.7	6.6	6.6	6.8	7.2	8.6
	6H	9.1	9.4	10.2	10.5	12.0	6.6	6.6	7.4	7.7	9.2
	8H	9.4	9.6	10.5	10.7	12.3	6.8	7.1	8.0	8.2	9.7

Maximum UGR = 12.6

POLAR GRAPH



Maximum Candela = 1335.946 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.)