



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-6040-FB-HO-35.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-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	6469
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
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	1864	1645	1593
55	1523	1164	979
65	1018	616	427
75	547	356	290
85	808	804	741

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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	1291.860	1291.860	1291.860	1291.860	1291.860	1291.860	1291.860	1291.860	1291.860	1291.860
10	1279.217	1271.694	1270.100	1267.435	1263.995	1261.891	1259.175	1254.971	1255.075	1254.137
20	1194.684	1191.572	1186.151	1178.968	1171.368	1161.528	1155.698	1148.661	1144.568	1143.847
30	1045.078	1041.517	1028.196	1009.873	999.360	994.295	995.503	992.904	991.107	991.231
40	855.600	847.752	822.236	799.628	782.814	779.011	779.955	782.748	780.466	781.702
50	614.998	601.644	569.368	544.640	525.586	508.350	492.903	482.916	477.178	475.482
60	359.705	343.339	308.910	279.581	247.604	208.592	176.940	159.578	154.442	150.999
70	120.314	113.400	98.835	77.890	64.646	60.144	56.502	52.624	50.889	50.276
80	37.707	39.268	40.169	40.660	40.898	40.146	39.417	37.558	34.257	33.410
90	40.923	40.869	40.742	39.947	38.494	36.878	35.665	35.787	38.773	38.694
100	288.106	300.567	293.262	305.574	300.480	281.933	259.353	229.902	212.641	203.113
110	640.274	671.023	656.860	641.430	609.475	573.603	522.909	479.090	408.619	384.237
120	795.638	829.096	816.653	799.518	775.640	723.359	680.747	625.771	538.847	534.850
130	885.002	897.049	904.737	880.531	859.559	828.193	784.991	697.801	656.556	656.999
140	923.477	929.958	952.412	940.261	912.339	874.934	803.088	743.484	745.203	746.799
150	928.071	936.048	928.117	930.331	886.344	820.480	797.473	799.303	804.061	806.474
160	799.036	801.237	808.244	812.949	818.430	824.354	828.537	832.900	836.935	837.913
170	813.899	813.462	816.332	821.542	826.435	830.659	834.817	836.730	838.327	839.505
180	824.886	824.886	824.886	824.886	824.886	824.886	824.886	824.886	824.886	824.886

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	466.51	N.A.	7.20
0-30	969.97	N.A.	15.00
0-40	1537.59	N.A.	23.80
0-60	2394.37	N.A.	37.00
0-80	2607.73	N.A.	40.30
0-90	2649.85	N.A.	41.00
10-90	2527.89	N.A.	39.10
20-40	1071.08	N.A.	16.60
20-50	1584.84	N.A.	24.50
40-70	1010.89	N.A.	15.60
60-80	213.36	N.A.	3.30
70-80	59.25	N.A.	0.90
80-90	42.12	N.A.	0.70
90-110	609.35	N.A.	9.40
90-120	1245.18	N.A.	19.20
90-130	1929.78	N.A.	29.80
90-150	3117.06	N.A.	48.20
90-180	3819.03	N.A.	59.00
110-180	3209.68	N.A.	49.60
0-180	6468.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.96
10-20	344.55
20-30	503.46
30-40	567.62
40-50	513.76
50-60	343.02
60-70	154.11
70-80	59.25
80-90	42.12
90-100	168.28
100-110	441.07
110-120	635.83
120-130	684.60
130-140	646.11
140-150	541.17
150-160	389.62
160-170	233.50
170-180	78.85

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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

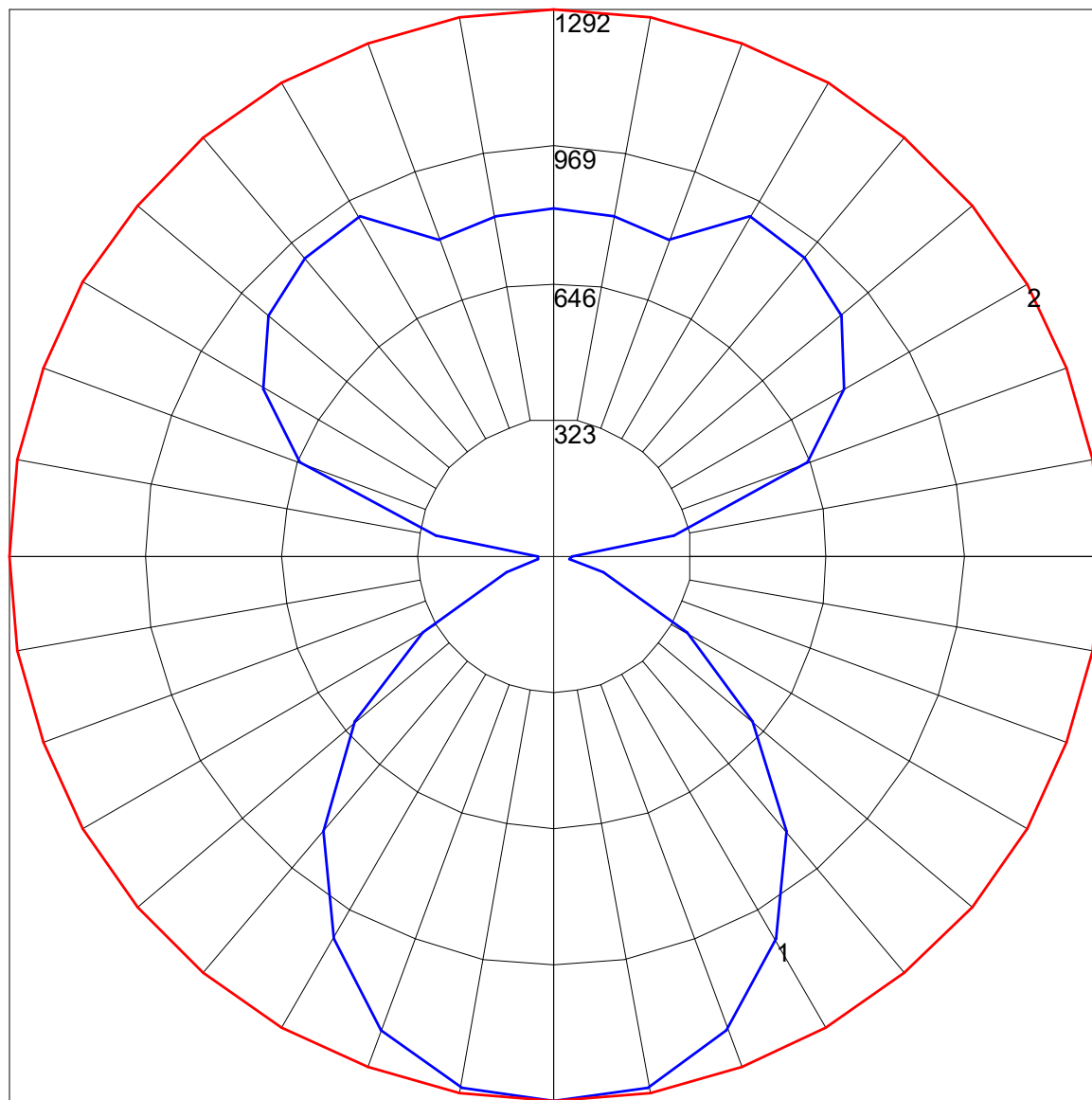
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	7.8	8.6	8.9	9.6	11.0	6.5	6.5	6.5	6.5	7.7
	3H	8.5	9.2	9.6	10.2	11.7	6.5	6.5	6.5	6.6	8.0
	4H	8.7	9.3	9.8	10.4	11.8	6.5	6.5	6.5	6.7	8.1
	6H	8.8	9.4	9.9	10.4	11.9	6.5	6.5	6.5	6.8	8.3
	8H	8.8	9.4	9.9	10.5	11.9	6.5	6.5	6.5	7.0	8.4
	12H	9.0	9.5	10.0	10.5	12.0	6.5	6.5	6.7	7.2	8.7
4H	2H	7.8	8.4	8.9	9.5	10.9	6.5	6.5	6.5	6.6	8.0
	3H	8.5	9.1	9.6	10.1	11.6	6.5	6.5	6.5	6.9	8.3
	4H	8.8	9.3	9.9	10.3	11.8	6.5	6.5	6.6	7.0	8.5
	6H	9.0	9.4	10.1	10.5	11.9	6.5	6.5	6.9	7.3	8.8
	8H	9.1	9.5	10.2	10.6	12.0	6.5	6.5	7.2	7.6	9.0
	12H	9.3	9.6	10.4	10.7	12.2	6.5	6.9	7.6	8.0	9.5
8H	4H	8.7	9.1	9.8	10.2	11.7	6.5	6.5	6.7	7.1	8.5
	6H	9.0	9.3	10.1	10.5	11.9	6.5	6.5	7.2	7.6	9.0
	8H	9.2	9.5	10.3	10.6	12.1	6.6	6.8	7.7	7.9	9.4
	12H	9.6	9.8	10.7	11.0	12.5	7.2	7.5	8.4	8.6	10.1
12H	4H	8.7	9.0	9.8	10.1	11.6	6.5	6.5	6.7	7.1	8.5
	6H	9.0	9.3	10.1	10.4	11.9	6.5	6.5	7.3	7.6	9.1
	8H	9.3	9.5	10.4	10.6	12.2	6.7	7.0	7.9	8.1	9.6

Maximum UGR = 12.5

POLAR GRAPH



Maximum Candela = 1291.86 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.)