IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FB-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 HO NW
[TESTLAB] DEKKO
[TESTDATE] 04-05-2017
[ISSUEDATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-4-LED-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	5901
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	48.7
Ballast Factor	1.00
CIE Type	Indirect
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)	4.00 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	606	499	401
55	536	372	213
65	440	220	65
75	347	177	35
85	508	428	124

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	182.196	182.196	182.196	182.196	182.196	182.196	182.196	182.196	182.196	182.196
10	180.805	181.849	182.557	181.731	180.721	179.097	177.260	176.254	175.107	174.083
20	173.975	175.263	174.809	172.324	168.836	165.758	163.128	160.768	159.273	157.807
30	158.199	160.440	156.797	151.211	147.281	144.747	142.200	139.813	137.354	135.292
40	135.349	137.167	131.386	123.209	118.635	114.970	112.295	109.467	106.133	102.712
50	103.777	104.165	98.455	89.845	83.000	76.844	70.481	65.180	59.789	55.438
60	67.802	66.606	60.838	53.659	43.733	34.210	25.448	19.067	15.345	12.618
70	35.944	34.599	29.432	20.984	14.439	11.449	9.326	6.657	4.433	2.745
80	14.211	15.184	14.751	14.581	13.315	11.781	10.243	7.532	4.701	2.353
90	10.497	10.404	9.953	9.541	8.695	7.843	6.707	5.544	4.268	3.671
100	284.301	274.350	265.956	262.075	243.249	217.654	192.406	162.761	120.405	101.252
110	1093.366	1068.927	1028.279	967.006	895.797	811.224	702.415	554.901	391.414	311.484
120	1487.368	1470.609	1421.221	1338.392	1241.638	1106.323	951.981	784.885	615.445	541.252
130	1577.797	1546.072	1496.691	1424.218	1335.405	1225.982	1091.141	942.401	797.184	748.769
140	1555.614	1539.857	1508.525	1454.037	1378.199	1283.623	1175.999	1054.545	936.906	909.555
150	1511.242	1498.121	1471.558	1428.107	1372.975	1296.631	1209.119	1114.651	1052.137	1040.272
160	1416.201	1405.889	1386.484	1354.864	1312.971	1260.951	1206.194	1162.580	1137.765	1137.103
170	1275.942	1269.159	1261.107	1249.238	1235.150	1222.214	1208.496	1197.912	1195.243	1196.691
180	1220.200	1220.200	1220.200	1220.200	1220.200	1220.200	1220.200	1220.200	1220.200	1220.200

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	66.35	N.A.	1.10
0-30	139.19	N.A.	2.40
0-40	222.91	N.A.	3.80
0-60	354.49	N.A.	6.00
0-80	397.36	N.A.	6.70
0-90	407.69	N.A.	6.90
10-90	390.44	N.A.	6.60
20-40	156.56	N.A.	2.70
20-50	233.99	N.A.	4.00
40-70	159.69	N.A.	2.70
60-80	42.87	N.A.	0.70
70-80	14.75	N.A.	0.20
80-90	10.33	N.A.	0.20
90-110	653.46	N.A.	11.10
90-120	1594.64	N.A.	27.00
90-130	2639.69	N.A.	44.70
90-150	4424.06	N.A.	75.00
90-180	5493.79	N.A.	93.10
110-180	4840.33	N.A.	82.00
0-180	5901.48	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	17.24
10-20	49.10
20-30	72.84
30-40	83.72
40-50	77.43
50-60	54.15
60-70	28.11
70-80	14.75
80-90	10.33
90-100	121.33
100-110	532.13
110-120	941.18
120-130	1045.05
130-140	971.79
140-150	812.59
150-160	597.18
160-170	355.58
170-180	116.97

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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	97	97	97	97	84	84	84	84	59	59	59	37	37	37	17	17	17	7
1	88	84	81	77	76	73	70	67	52	50	48	32	32	31	15	14	14	6
2	80	74	68	63	69	64	59	55	45	43	40	29	27	26	13	12	12	5
3	73	65	58	52	63	56	51	46	40	37	34	25	23	22	12	11	10	4
4	67	57	50	44	58	50	44	39	35	32	29	22	20	19	10	9	9	4
5	61	51	43	38	53	44	38	33	32	28	24	20	18	16	9	8	8	3
6	56	45	38	32	48	39	33	29	28	24	21	18	16	14	8	7	7	3
7	52	40	33	28	45	35	29	25	25	21	18	16	14	12	8	7	6	3
8	48	36	29	24	41	32	26	22	23	19	16	15	12	11	7	6	5	2
9	44	33	26	21	38	29	23	19	21	17	14	13	11	9	6	5	5	2
10	41	30	23	19	36	26	21	17	19	15	13	12	10	8	6	5	4	2

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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	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	3H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	12H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
4H	2H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	3H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	12H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
8H	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	12H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
12H	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2

Maximum UGR = 6.2

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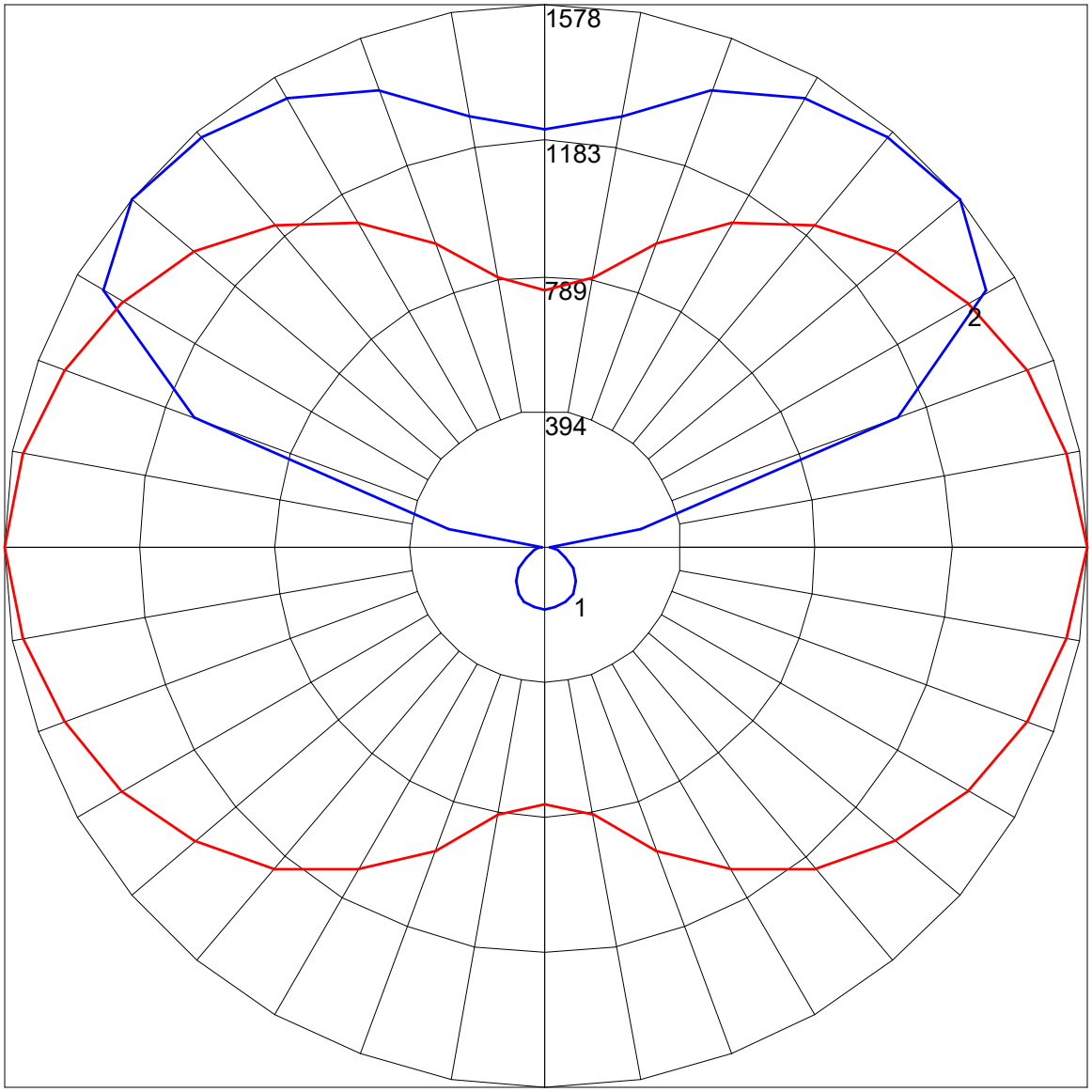
POLAR GRAPH



Maximum Candela = 1577.797 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)