IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-6040-FB-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 VHO NW
[TESTLAB] Dekko
[TESTDATE] 04-10-2017
[ISSUEDATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-8-LED-6040-FB-VHO-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	9542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
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	2749	2426	2350
55	2246	1717	1444
65	1501	909	630
75	807	526	427
85	1193	1186	1094

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	1905.493	1905.493	1905.493	1905.493	1905.493	1905.493	1905.493	1905.493	1905.493	1905.493
10	1886.845	1875.749	1873.398	1869.467	1864.392	1861.288	1857.283	1851.082	1851.236	1849.852
20	1762.159	1757.569	1749.573	1738.978	1727.767	1713.253	1704.655	1694.274	1688.238	1687.174
30	1541.489	1536.238	1516.589	1489.563	1474.056	1466.584	1468.367	1464.533	1461.883	1462.066
40	1262.009	1250.433	1212.798	1179.451	1154.650	1149.042	1150.434	1154.553	1151.187	1153.010
50	907.123	887.425	839.817	803.343	775.239	749.816	727.032	712.301	703.837	701.335
60	530.564	506.425	455.642	412.382	365.216	307.673	260.986	235.378	227.801	222.723
70	177.463	167.265	145.782	114.888	95.353	88.712	83.340	77.621	75.062	74.157
80	55.618	57.920	59.250	59.974	60.325	59.215	58.140	55.398	50.529	49.280
90	60.362	60.282	60.094	58.921	56.779	54.394	52.606	52.785	57.190	57.073
100	424.956	443.336	432.562	450.722	443.208	415.851	382.546	339.106	313.646	299.591
110	944.404	989.758	968.868	946.110	898.976	846.065	771.291	706.658	602.714	566.750
120	1173.566	1222.917	1204.563	1179.288	1144.070	1066.954	1004.101	923.012	794.800	788.903
130	1305.378	1323.147	1334.487	1298.783	1267.849	1221.585	1157.862	1029.256	968.420	969.074
140	1362.129	1371.688	1404.807	1386.884	1345.701	1290.527	1184.554	1096.639	1099.175	1101.528
150	1368.904	1380.671	1368.972	1372.239	1307.358	1210.208	1176.273	1178.972	1185.989	1189.549
160	1178.578	1181.824	1192.159	1199.100	1207.184	1215.922	1222.092	1228.528	1234.479	1235.922
170	1200.501	1199.856	1204.089	1211.774	1218.992	1225.222	1231.355	1234.176	1236.532	1238.270
180	1216.707	1216.707	1216.707	1216.707	1216.707	1216.707	1216.707	1216.707	1216.707	1216.707

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	688.10	N.A.	7.20
0-30	1430.71	N.A.	15.00
0-40	2267.94	N.A.	23.80
0-60	3531.7	N.A.	37.00
0-80	3846.41	N.A.	40.30
0-90	3908.53	N.A.	41.00
10-90	3728.64	N.A.	39.10
20-40	1579.84	N.A.	16.60
20-50	2337.64	N.A.	24.50
40-70	1491.07	N.A.	15.60
60-80	314.71	N.A.	3.30
70-80	87.40	N.A.	0.90
80-90	62.13	N.A.	0.70
90-110	898.79	N.A.	9.40
90-120	1836.65	N.A.	19.20
90-130	2846.43	N.A.	29.80
90-150	4597.67	N.A.	48.20
90-180	5633.07	N.A.	59.00
110-180	4734.28	N.A.	49.60
0-180	9541.6	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.89
10-20	508.21
20-30	742.60
30-40	837.24
40-50	757.80
50-60	505.96
60-70	227.31
70-80	87.40
80-90	62.13
90-100	248.22
100-110	650.57
110-120	937.86
120-130	1009.78
130-140	953.02
140-150	798.22
150-160	574.68
160-170	344.41
170-180	116.31

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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					UGR Viewed Endwise				
X=2H	Y=2H	9.1	9.9	10.2	10.9	12.3	7.8	7.8	7.8	7.8	9.0
	3H	9.8	10.5	10.9	11.5	13.0	7.8	7.8	7.8	7.9	9.3
	4H	10.0	10.6	11.1	11.7	13.1	7.8	7.8	7.8	8.0	9.4
	6H	10.1	10.7	11.2	11.7	13.2	7.8	7.8	7.8	8.1	9.6
	8H	10.1	10.7	11.2	11.8	13.2	7.8	7.8	7.8	8.3	9.7
	12H	10.3	10.8	11.3	11.8	13.3	7.8	7.8	8.0	8.5	10.0
4H	2H	9.1	9.7	10.2	10.8	12.2	7.8	7.8	7.8	7.9	9.3
	3H	9.8	10.4	10.9	11.4	12.9	7.8	7.8	7.8	8.2	9.6
	4H	10.1	10.6	11.2	11.6	13.1	7.8	7.8	7.9	8.3	9.8
	6H	10.3	10.7	11.4	11.8	13.2	7.8	7.8	8.2	8.6	10.1
	8H	10.4	10.8	11.5	11.9	13.3	7.8	7.8	8.5	8.9	10.3
	12H	10.6	10.9	11.7	12.0	13.5	7.8	8.2	8.9	9.3	10.8
8H	4H	10.0	10.4	11.1	11.5	13.0	7.8	7.8	8.0	8.4	9.8
	6H	10.3	10.6	11.4	11.8	13.2	7.8	7.8	8.5	8.9	10.3
	8H	10.5	10.8	11.6	11.9	13.4	7.9	8.1	9.0	9.2	10.7
	12H	10.9	11.1	12.0	12.3	13.8	8.5	8.8	9.7	9.9	11.4
12H	4H	10.0	10.3	11.1	11.4	12.9	7.8	7.8	8.0	8.4	9.8
	6H	10.3	10.6	11.4	11.7	13.2	7.8	7.8	8.6	8.9	10.4
	8H	10.6	10.8	11.7	11.9	13.5	8.0	8.3	9.2	9.4	10.9

Maximum UGR = 13.8

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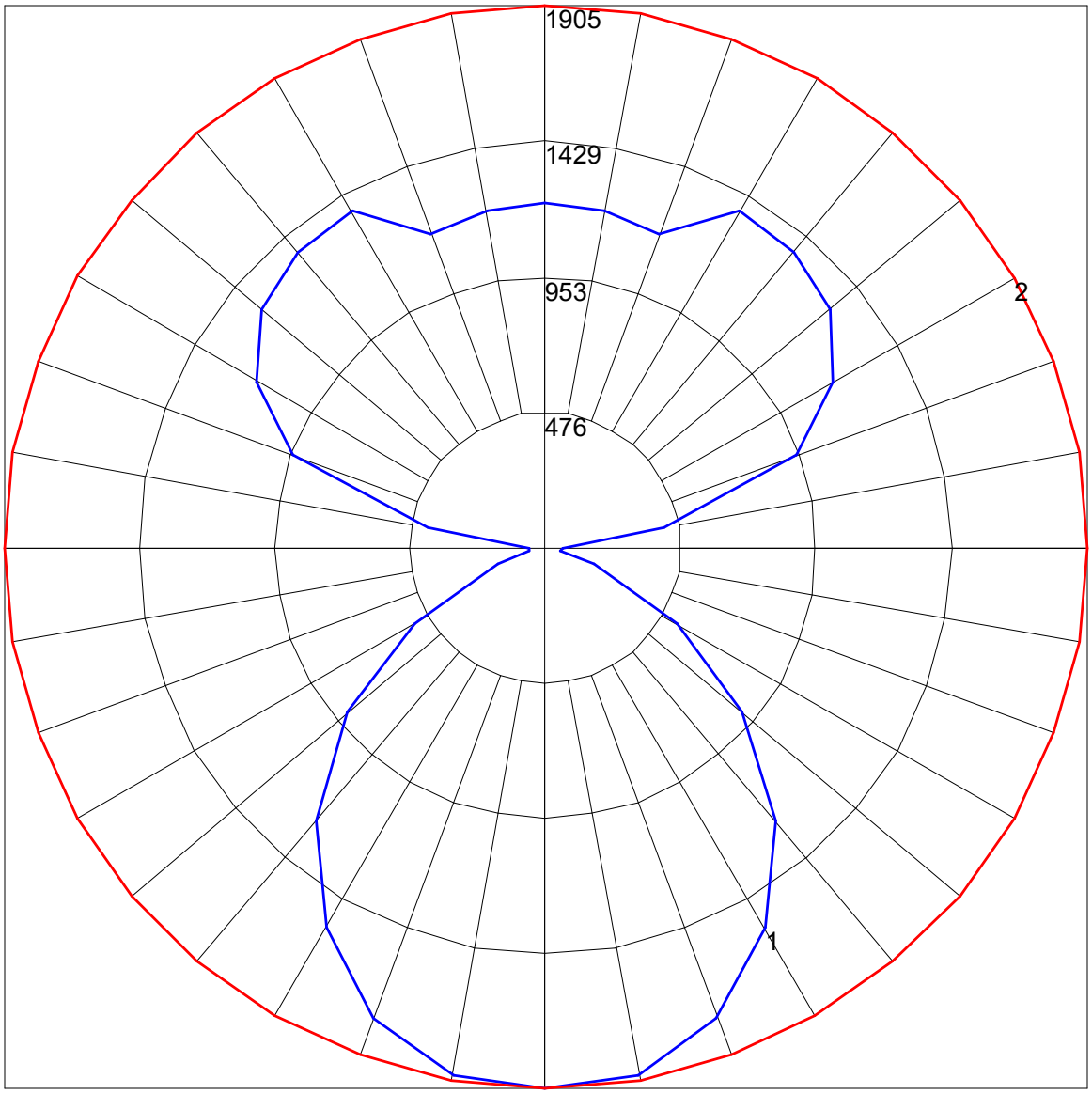
POLAR GRAPH



Maximum Candela = 1905.493 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.)