



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 VHO NW
 [TESTLAB] Dekko
 [TESTDATE] 03-31-2017
 [ISSUEDATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-LED-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	17409
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	143.8
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)	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	894	735	591
55	791	548	314
65	649	325	96
75	512	260	52
85	749	631	183

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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	537.478	537.478	537.478	537.478	537.478	537.478	537.478	537.478	537.478	537.478
10	533.375	536.455	538.543	536.106	533.127	528.336	522.917	519.949	516.566	513.545
20	513.226	517.026	515.687	508.356	498.066	488.986	481.228	474.266	469.855	465.531
30	466.687	473.298	462.551	446.072	434.479	427.004	419.490	412.448	405.194	399.111
40	399.280	404.643	387.589	363.467	349.973	339.162	331.270	322.928	313.092	303.000
50	306.142	307.287	290.442	265.043	244.850	226.690	207.919	192.281	176.378	163.542
60	200.016	196.488	179.472	158.294	129.012	100.920	75.072	56.248	45.268	37.223
70	106.035	102.067	86.824	61.903	42.595	33.775	27.512	19.638	13.077	8.098
80	41.922	44.793	43.515	43.014	39.279	34.754	30.217	22.219	13.868	6.941
90	30.966	30.692	29.361	28.146	25.650	23.137	19.786	16.355	12.591	10.829
100	838.688	809.333	784.570	773.121	717.585	642.079	567.598	480.145	355.195	298.693
110	3225.430	3153.335	3033.423	2852.668	2642.601	2393.111	2072.124	1636.958	1154.671	918.878
120	4387.736	4338.297	4192.602	3948.256	3662.832	3263.653	2808.344	2315.411	1815.563	1596.693
130	4654.501	4560.912	4415.239	4201.443	3939.445	3616.647	3218.866	2780.083	2351.693	2208.869
140	4589.061	4542.578	4450.149	4289.409	4065.687	3786.688	3469.197	3110.908	2763.873	2683.187
150	4458.164	4419.457	4341.096	4212.916	4050.276	3825.062	3566.901	3288.221	3103.804	3068.802
160	4177.793	4147.373	4090.128	3996.849	3873.265	3719.806	3558.272	3429.611	3356.407	3354.454
170	3764.029	3744.019	3720.266	3685.252	3643.693	3605.531	3565.063	3533.840	3525.967	3530.239
180	3599.590	3599.590	3599.590	3599.590	3599.590	3599.590	3599.590	3599.590	3599.590	3599.590

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	195.73	N.A.	1.10
0-30	410.61	N.A.	2.40
0-40	657.58	N.A.	3.80
0-60	1045.75	N.A.	6.00
0-80	1172.21	N.A.	6.70
0-90	1202.68	N.A.	6.90
10-90	1151.81	N.A.	6.60
20-40	461.86	N.A.	2.70
20-50	690.27	N.A.	4.00
40-70	471.10	N.A.	2.70
60-80	126.45	N.A.	0.70
70-80	43.52	N.A.	0.20
80-90	30.47	N.A.	0.20
90-110	1927.71	N.A.	11.10
90-120	4704.18	N.A.	27.00
90-130	7787.09	N.A.	44.70
90-150	13050.98	N.A.	75.00
90-180	16206.69	N.A.	93.10
110-180	14278.98	N.A.	82.00
0-180	17409.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.87
10-20	144.86
20-30	214.88
30-40	246.98
40-50	228.42
50-60	159.75
60-70	82.93
70-80	43.52
80-90	30.47
90-100	357.93
100-110	1569.79
110-120	2776.47
120-130	3082.9
130-140	2866.77
140-150	2397.13
150-160	1761.69
160-170	1048.96
170-180	345.06

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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	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

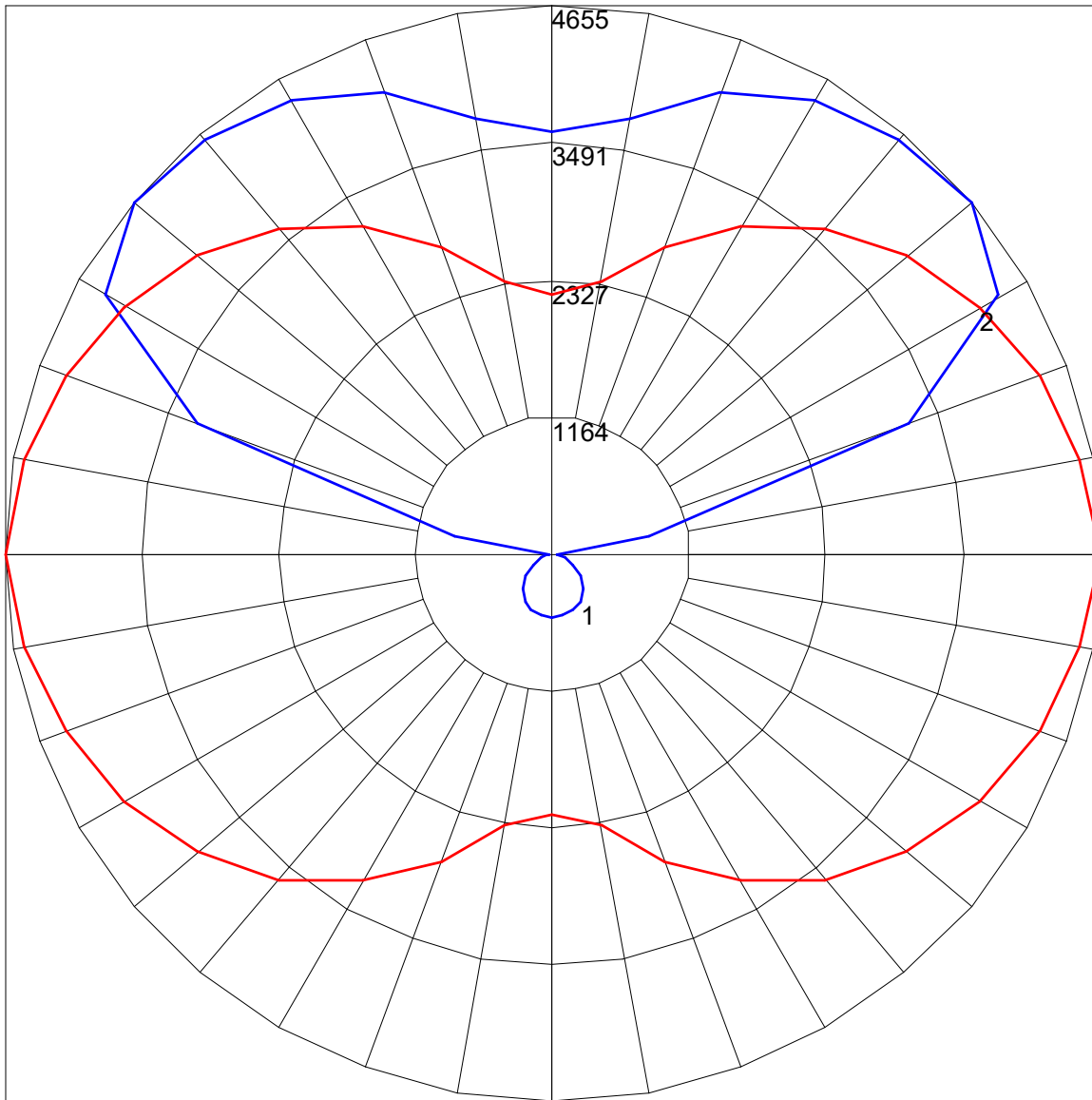
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UGR TABLE - CORRECTED

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	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	3H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	4H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	6H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	8H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	12H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
4H	2H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	3H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	4H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	6H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	8H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	12H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
8H	4H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	6H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	8H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	12H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
12H	4H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	6H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
	8H	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Maximum UGR = 9.9

POLAR GRAPH



Maximum Candela = 4654.501 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.)