



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-FB-VHO-35.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-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	16835
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	865	711	572
55	765	530	303
65	628	314	93
75	495	252	50
85	725	611	177

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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	519.741	519.741	519.741	519.741	519.741	519.741	519.741	519.741	519.741	519.741
10	515.773	518.752	520.771	518.415	515.534	510.901	505.661	502.791	499.519	496.598
20	496.290	499.964	498.669	491.580	481.630	472.850	465.347	458.615	454.350	450.168
30	451.286	457.679	447.287	431.352	420.141	412.913	405.647	398.838	391.823	385.941
40	386.103	391.289	374.798	351.472	338.424	327.969	320.338	312.271	302.760	293.001
50	296.039	297.146	280.858	256.296	236.770	219.209	201.058	185.936	170.557	158.145
60	193.415	190.004	173.550	153.070	124.755	97.589	72.594	54.391	43.774	35.995
70	102.536	98.699	83.959	59.860	41.189	32.660	26.604	18.990	12.646	7.831
80	40.539	43.315	42.079	41.594	37.983	33.607	29.220	21.486	13.410	6.712
90	29.944	29.679	28.392	27.217	24.804	22.373	19.133	15.815	12.175	10.472
100	811.011	782.625	758.679	747.608	693.904	620.891	548.867	464.300	343.473	288.837
110	3118.990	3049.275	2933.320	2758.530	2555.395	2314.138	2003.744	1582.938	1116.567	888.555
120	4242.940	4195.133	4054.246	3817.964	3541.959	3155.952	2715.669	2239.002	1755.649	1544.002
130	4500.902	4410.402	4269.535	4062.795	3809.443	3497.297	3112.643	2688.340	2274.087	2135.976
140	4437.622	4392.673	4303.294	4147.859	3931.519	3661.727	3354.713	3008.248	2672.665	2594.642
150	4311.044	4273.615	4197.840	4073.889	3916.617	3698.834	3449.193	3179.709	3001.379	2967.532
160	4039.926	4010.509	3955.153	3864.953	3745.447	3597.052	3440.849	3316.434	3245.645	3243.757
170	3639.816	3620.466	3597.497	3563.639	3523.451	3486.549	3447.416	3417.224	3409.610	3413.740
180	3480.803	3480.803	3480.803	3480.803	3480.803	3480.803	3480.803	3480.803	3480.803	3480.803

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	189.27	N.A.	1.10
0-30	397.06	N.A.	2.40
0-40	635.88	N.A.	3.80
0-60	1011.24	N.A.	6.00
0-80	1133.52	N.A.	6.70
0-90	1162.99	N.A.	6.90
10-90	1113.8	N.A.	6.60
20-40	446.61	N.A.	2.70
20-50	667.49	N.A.	4.00
40-70	455.55	N.A.	2.70
60-80	122.28	N.A.	0.70
70-80	42.09	N.A.	0.30
80-90	29.47	N.A.	0.20
90-110	1864.1	N.A.	11.10
90-120	4548.95	N.A.	27.00
90-130	7530.11	N.A.	44.70
90-150	12620.3	N.A.	75.00
90-180	15671.87	N.A.	93.10
110-180	13807.77	N.A.	82.00
0-180	16834.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.19
10-20	140.08
20-30	207.79
30-40	238.83
40-50	220.88
50-60	154.48
60-70	80.19
70-80	42.09
80-90	29.47
90-100	346.11
100-110	1517.98
110-120	2684.85
120-130	2981.17
130-140	2772.16
140-150	2318.03
150-160	1703.55
160-170	1014.35
170-180	333.67

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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

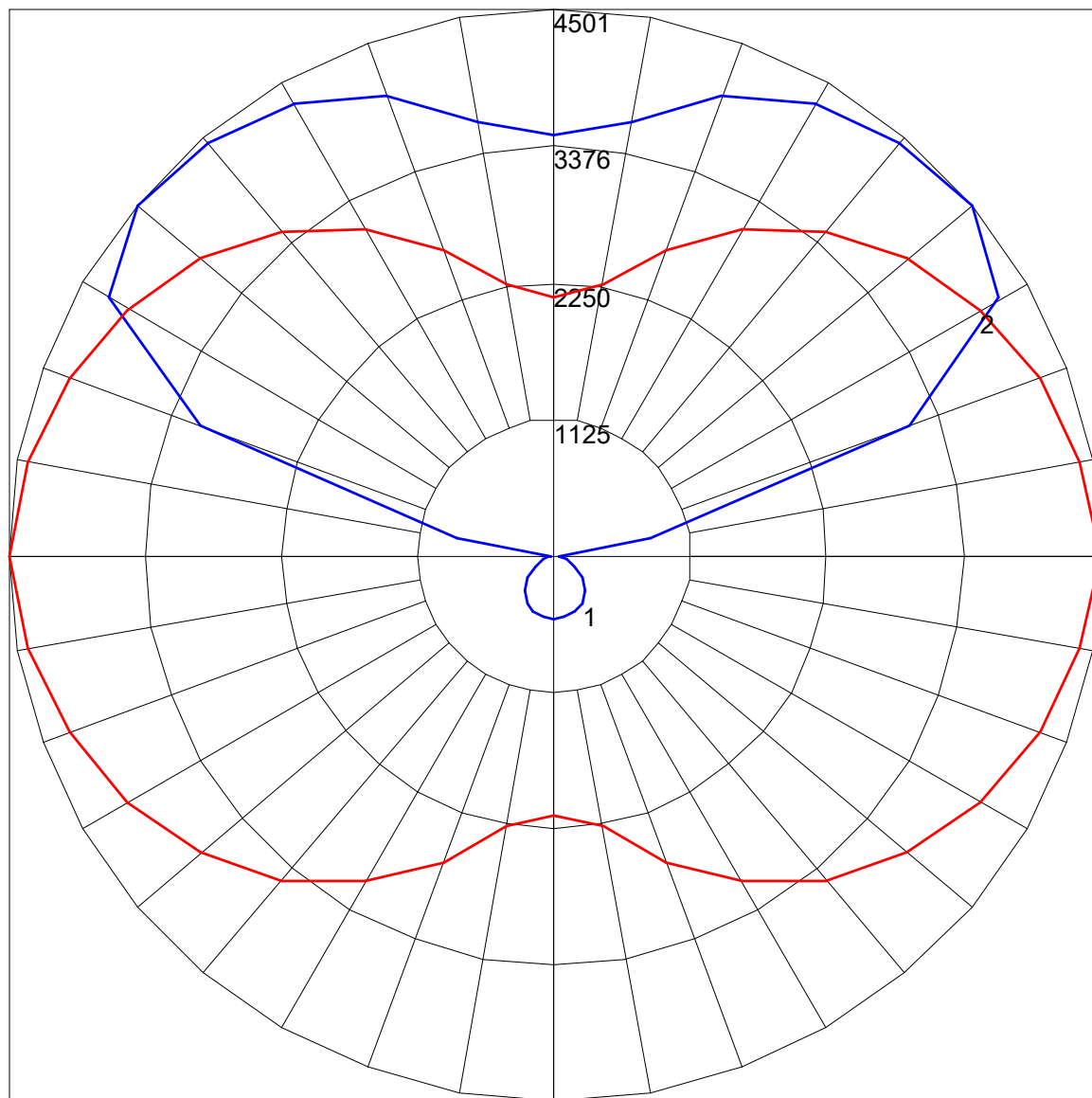
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UGR TABLE - CORRECTED

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	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	3H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	4H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	6H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	8H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	12H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
4H	2H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	3H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	4H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	6H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	8H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	12H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
8H	4H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	6H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	8H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	12H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
12H	4H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	6H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	8H	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8

Maximum UGR = 9.8

POLAR GRAPH



Maximum Candela = 4500.902 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.)