



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-FB-VHO-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L445 VHO NW  
[TESTLAB] Dekko  
[TESTDATE] 03-31-2017  
[ISSUE DATE] 9/2/2020  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CURV-8-LED-FB-VHO-30  
[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	16330
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	839	690	555
55	742	514	294
65	609	305	90
75	481	244	49
85	703	592	171

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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>
<b>0</b>	504.155	504.155	504.155	504.155	504.155	504.155	504.155	504.155	504.155	504.155
<b>10</b>	500.306	503.194	505.153	502.868	500.073	495.579	490.496	487.712	484.539	481.705
<b>20</b>	481.406	484.970	483.714	476.838	467.186	458.669	451.392	444.861	440.724	436.668
<b>30</b>	437.752	443.954	433.873	418.416	407.541	400.529	393.482	386.877	380.072	374.367
<b>40</b>	374.524	379.555	363.558	340.932	328.275	318.133	310.732	302.906	293.681	284.214
<b>50</b>	287.161	288.235	272.435	248.610	229.669	212.635	195.028	180.360	165.442	153.402
<b>60</b>	187.615	184.305	168.345	148.480	121.014	94.662	70.417	52.760	42.461	34.915
<b>70</b>	99.461	95.739	81.441	58.065	39.954	31.681	25.806	18.421	12.267	7.596
<b>80</b>	39.323	42.016	40.817	40.347	36.844	32.599	28.343	20.842	13.008	6.511
<b>90</b>	29.046	28.789	27.541	26.401	24.060	21.702	18.559	15.341	11.810	10.158
<b>100</b>	786.689	759.154	735.927	725.188	673.094	602.270	532.407	450.376	333.173	280.174
<b>110</b>	3025.453	2957.828	2845.351	2675.802	2478.760	2244.738	1943.653	1535.467	1083.082	861.907
<b>120</b>	4115.696	4069.322	3932.661	3703.465	3435.737	3061.306	2634.227	2171.855	1702.998	1497.698
<b>130</b>	4365.922	4278.136	4141.494	3940.954	3695.199	3392.415	3019.296	2607.718	2205.888	2071.919
<b>140</b>	4304.540	4260.938	4174.240	4023.466	3813.615	3551.913	3254.107	2918.032	2592.513	2516.830
<b>150</b>	4181.758	4145.451	4071.948	3951.715	3799.159	3587.908	3345.753	3084.351	2911.368	2878.537
<b>160</b>	3918.770	3890.236	3836.540	3749.044	3633.122	3489.178	3337.660	3216.975	3148.310	3146.478
<b>170</b>	3530.659	3511.890	3489.609	3456.767	3417.784	3381.988	3344.029	3314.742	3307.357	3311.364
<b>180</b>	3376.416	3376.416	3376.416	3376.416	3376.416	3376.416	3376.416	3376.416	3376.416	3376.416

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	183.59	N.A.	1.10
0-30	385.15	N.A.	2.40
0-40	616.81	N.A.	3.80
0-60	980.92	N.A.	6.00
0-80	1099.53	N.A.	6.70
0-90	1128.11	N.A.	6.90
10-90	1080.39	N.A.	6.60
20-40	433.22	N.A.	2.70
20-50	647.48	N.A.	4.00
40-70	441.89	N.A.	2.70
60-80	118.61	N.A.	0.70
70-80	40.83	N.A.	0.30
80-90	28.58	N.A.	0.20
90-110	1808.19	N.A.	11.10
90-120	4412.52	N.A.	27.00
90-130	7304.29	N.A.	44.70
90-150	12241.82	N.A.	75.00
90-180	15201.88	N.A.	93.10
110-180	13393.69	N.A.	82.00
0-180	16329.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	47.72
10-20	135.88
20-30	201.56
30-40	231.66
40-50	214.26
50-60	149.85
60-70	77.79
70-80	40.83
80-90	28.58
90-100	335.73
100-110	1472.46
110-120	2604.33
120-130	2891.76
130-140	2689.03
140-150	2248.51
150-160	1652.47
160-170	983.93
170-180	323.66

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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

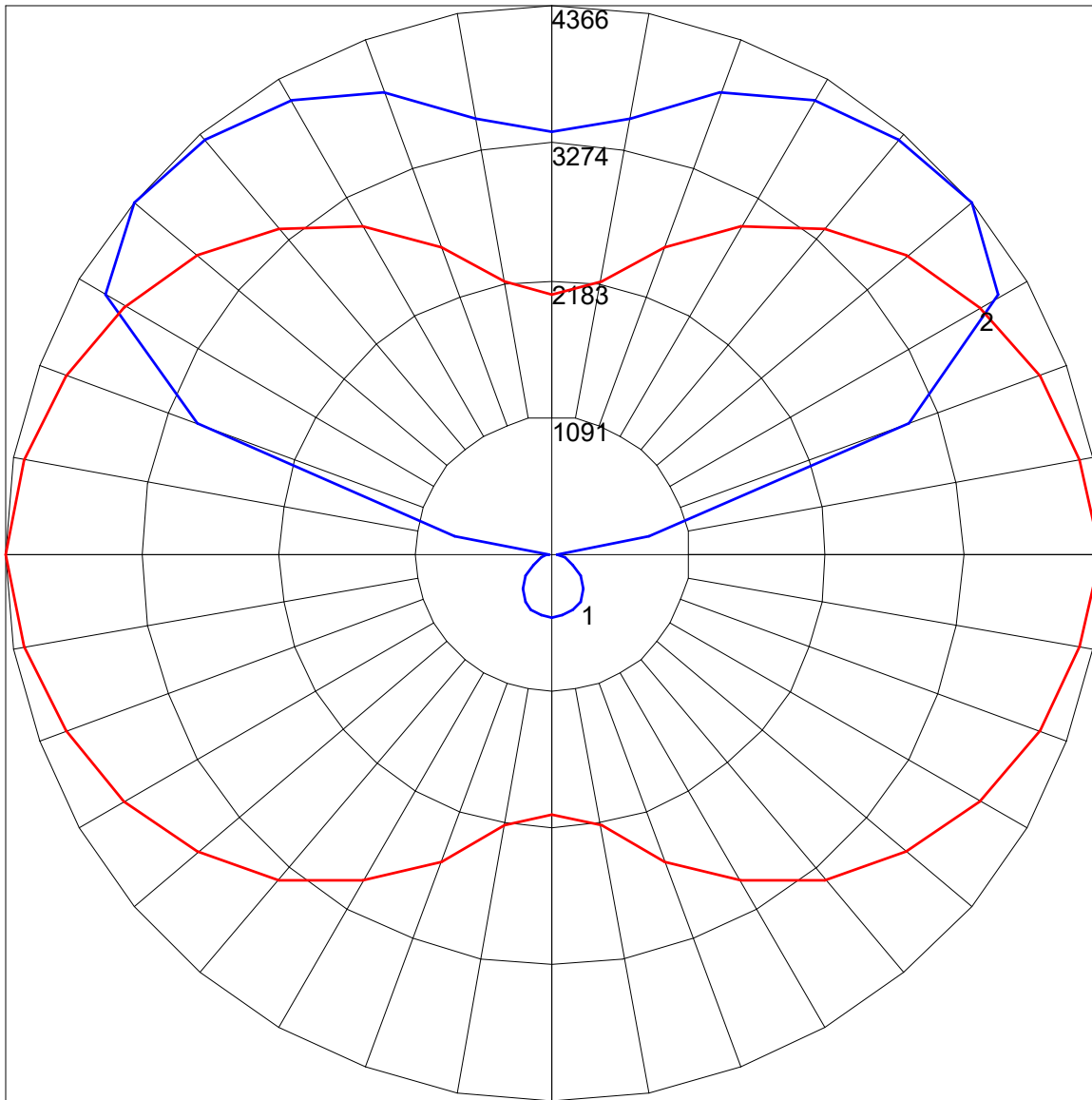
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**UGR TABLE - CORRECTED**

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	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	3H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	4H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	6H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	8H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	12H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
4H	2H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	3H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	4H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	6H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	8H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	12H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
8H	4H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	6H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	8H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	12H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
12H	4H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	6H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	8H	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7

Maximum UGR = 9.7

POLAR GRAPH



Maximum Candela = 4365.922 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.)