



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 VHO NW 50 50
[TESTLAB] Dekko
[TESTDATE] 03-31-2017
[ISSUE DATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-8-LED-5050-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	7389
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
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	2898	2496	2189
55	2369	1710	1171
65	1587	787	363
75	697	227	124
85	171	260	177

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-VHO-35.IES

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	1997.403	1997.403	1997.403	1997.403	1997.403	1997.403	1997.403	1997.403	1997.403	1997.403
10	1969.495	1968.357	1965.884	1959.445	1954.790	1947.838	1938.504	1929.812	1922.090	1915.398
20	1846.569	1845.245	1840.792	1826.013	1805.699	1781.574	1763.386	1749.379	1736.457	1726.837
30	1627.579	1623.335	1602.724	1568.607	1543.908	1529.816	1514.161	1499.424	1481.906	1471.320
40	1327.666	1319.074	1275.836	1232.048	1203.502	1184.880	1172.955	1160.863	1138.416	1120.107
50	959.275	943.152	887.839	838.314	795.467	754.429	708.205	670.455	634.495	606.787
60	556.860	540.748	483.584	419.645	356.282	283.391	219.192	181.197	159.072	142.413
70	191.661	174.810	137.073	89.277	56.440	46.607	39.546	34.357	30.078	28.592
80	9.628	11.493	13.288	13.907	14.072	13.747	12.845	11.171	8.392	7.134
90	6.998	7.987	9.864	11.810	11.336	11.465	10.786	9.682	8.923	10.058
100	223.040	231.712	223.579	225.499	180.872	161.779	138.322	131.151	119.392	115.318
110	564.303	579.855	573.982	558.737	505.669	462.520	430.068	390.847	346.563	335.840
120	699.667	815.196	797.136	741.832	715.536	662.534	585.632	530.025	514.718	516.934
130	789.445	1016.151	766.575	917.632	760.448	722.707	662.942	651.594	650.815	653.140
140	814.865	859.232	883.312	776.369	775.530	763.087	764.753	764.285	765.055	765.312
150	792.928	797.841	811.913	819.834	831.288	839.441	844.265	845.548	845.474	850.212
160	849.685	850.167	860.393	870.754	877.004	882.496	886.481	889.793	891.119	894.831
170	884.975	882.484	885.511	891.701	895.010	897.863	899.372	902.921	903.337	909.784
180	892.654	892.654	892.654	892.654	892.654	892.654	892.654	892.654	892.654	892.654

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-VHO-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	718.44	N.A.	9.70
0-30	1491.13	N.A.	20.20
0-40	2357.52	N.A.	31.90
0-60	3627.64	N.A.	49.10
0-80	3880.81	N.A.	52.50
0-90	3892.8	N.A.	52.70
10-90	3704.51	N.A.	50.10
20-40	1639.07	N.A.	22.20
20-50	2410.37	N.A.	32.60
40-70	1474.77	N.A.	20.00
60-80	253.17	N.A.	3.40
70-80	48.52	N.A.	0.70
80-90	11.98	N.A.	0.20
90-110	446.91	N.A.	6.00
90-120	1013.21	N.A.	13.70
90-130	1653.24	N.A.	22.40
90-150	2765.6	N.A.	37.40
90-180	3496.29	N.A.	47.30
110-180	3049.38	N.A.	41.30
0-180	7389.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	188.29
10-20	530.15
20-30	772.69
30-40	866.38
40-50	771.30
50-60	498.83
60-70	204.65
70-80	48.52
80-90	11.98
90-100	101.34
100-110	345.57
110-120	566.30
120-130	640.03
130-140	602.86
140-150	509.50
150-160	394.40
160-170	250.96
170-180	85.32

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-VHO-35.IES

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	100	96	92	89	92	89	86	83	76	74	72	64	63	62	54	53	52	47
2	92	85	79	75	85	79	74	70	68	65	62	58	56	53	49	47	45	41
3	84	76	69	64	78	71	65	60	61	57	53	52	49	46	44	42	40	36
4	78	68	60	55	72	63	57	52	55	50	46	47	44	41	40	37	35	32
5	72	61	53	47	66	57	50	45	50	44	40	43	39	36	36	34	31	28
6	66	55	47	42	61	51	45	40	45	40	36	39	35	32	33	30	28	25
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20
9	53	42	34	29	50	39	33	28	35	29	26	30	26	23	26	23	21	19
10	50	38	31	27	46	36	30	26	32	27	23	28	24	21	24	21	19	17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-VHO-35.IES

UGR TABLE - CORRECTED

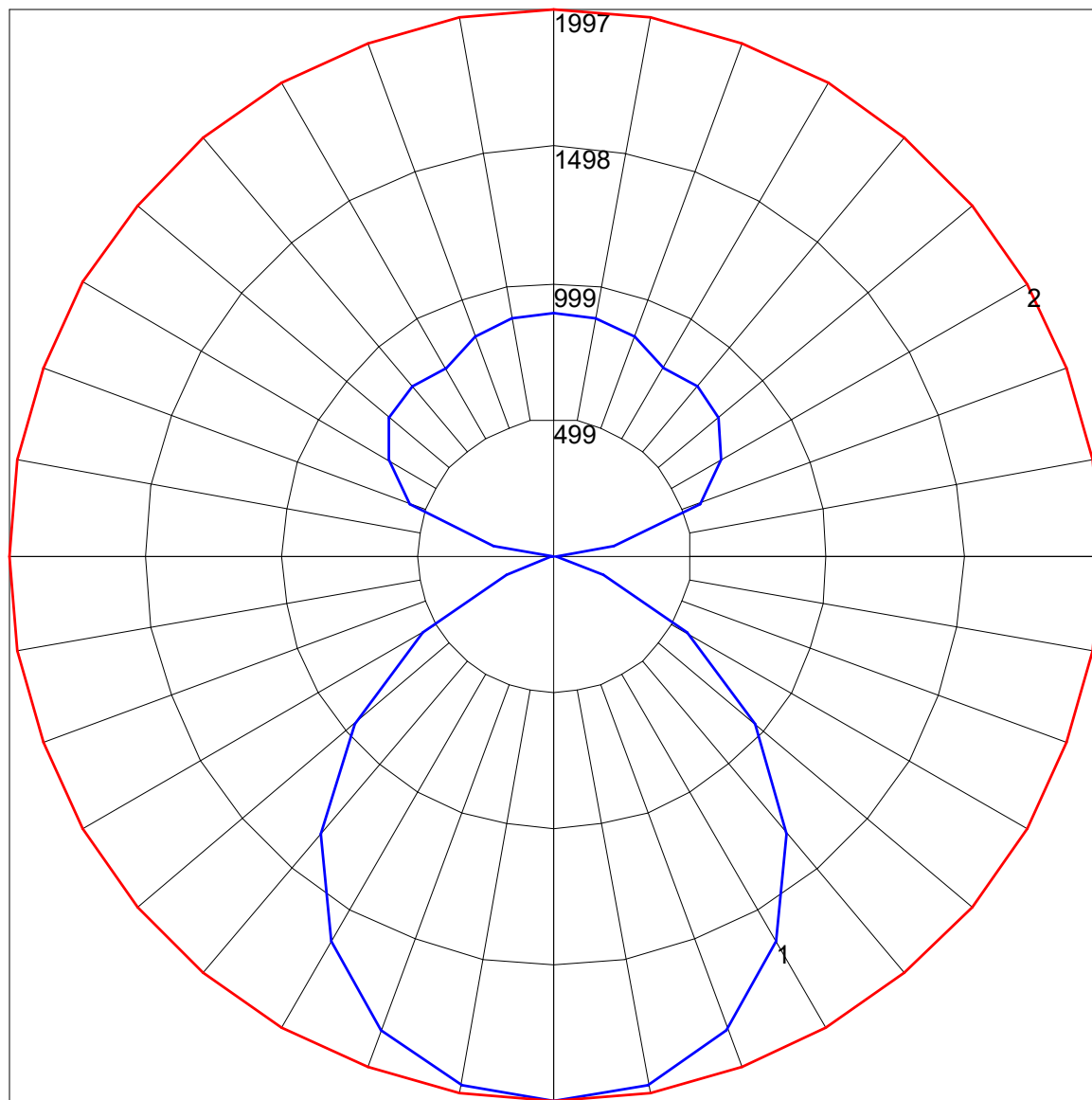
Reflectances

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	10.8	11.6	11.7	12.5	13.8	6.9	6.9	6.9	7.6	8.9
	3H	11.4	12.1	12.4	13.1	14.4	6.9	6.9	6.9	7.6	8.8
	4H	11.5	12.2	12.5	13.2	14.4	6.9	6.9	6.9	7.5	8.7
	6H	11.5	12.1	12.5	13.1	14.3	6.9	6.9	6.9	7.3	8.6
	8H	11.4	12.0	12.4	13.0	14.3	6.9	6.9	6.9	7.3	8.5
	12H	11.4	11.9	12.4	12.9	14.2	6.9	6.9	6.9	7.2	8.5
4H	2H	10.6	11.3	11.6	12.3	13.6	6.9	6.9	7.2	7.9	9.2
	3H	11.3	11.9	12.3	12.9	14.2	6.9	6.9	7.3	7.8	9.1
	4H	11.5	12.0	12.4	13.0	14.3	6.9	6.9	7.2	7.7	9.0
	6H	11.4	11.9	12.4	12.9	14.2	6.9	6.9	7.2	7.6	8.9
	8H	11.4	11.8	12.4	12.8	14.1	6.9	6.9	7.1	7.5	8.8
	12H	11.3	11.7	12.3	12.7	14.0	6.9	6.9	7.1	7.5	8.8
8H	4H	11.3	11.7	12.3	12.7	14.0	6.9	6.9	7.2	7.6	8.9
	6H	11.3	11.6	12.3	12.7	14.0	6.9	6.9	7.2	7.5	8.8
	8H	11.2	11.5	12.3	12.6	13.9	6.9	6.9	7.1	7.4	8.8
	12H	11.2	11.5	12.2	12.5	13.9	6.9	6.9	7.1	7.4	8.8
12H	4H	11.3	11.6	12.3	12.6	14.0	6.9	6.9	7.1	7.5	8.8
	6H	11.2	11.5	12.3	12.5	13.9	6.9	6.9	7.1	7.4	8.8
	8H	11.2	11.4	12.2	12.5	13.8	6.9	6.9	7.1	7.4	8.7

Maximum UGR = 14.4

POLAR GRAPH



Maximum Candela = 1997.403 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.)