



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-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-4-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	8417
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	71.9
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)	4.00 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	259.871	259.871	259.871	259.871	259.871	259.871	259.871	259.871	259.871	259.871
10	257.887	259.376	260.386	259.207	257.767	255.451	252.830	251.395	249.759	248.299
20	248.145	249.982	249.334	245.790	240.815	236.425	232.674	229.307	227.175	225.084
30	225.643	228.840	223.643	215.676	210.071	206.456	202.823	199.419	195.911	192.970
40	193.052	195.645	187.399	175.736	169.212	163.985	160.169	156.136	151.380	146.501
50	148.020	148.573	140.429	128.148	118.385	109.605	100.529	92.968	85.279	79.073
60	96.708	95.002	86.775	76.535	62.377	48.795	36.297	27.196	21.887	17.997
70	51.268	49.349	41.980	29.930	20.595	16.330	13.302	9.495	6.323	3.915
80	20.270	21.657	21.040	20.797	18.992	16.804	14.610	10.743	6.705	3.356
90	14.972	14.839	14.196	13.609	12.402	11.187	9.566	7.908	6.088	5.236
100	405.506	391.312	379.340	373.804	346.952	310.445	274.433	232.150	171.737	144.418
110	1559.495	1524.637	1466.660	1379.265	1277.698	1157.069	1001.872	791.469	558.284	444.277
120	2121.470	2097.566	2027.123	1908.982	1770.979	1577.976	1357.834	1119.501	877.825	772.001
130	2250.451	2205.201	2134.768	2031.398	1904.721	1748.649	1556.322	1344.170	1137.043	1067.988
140	2218.811	2196.336	2151.647	2073.929	1965.760	1830.864	1677.357	1504.124	1336.332	1297.321
150	2155.522	2136.807	2098.920	2036.945	1958.309	1849.417	1724.597	1589.855	1500.689	1483.766
160	2019.963	2005.255	1977.577	1932.476	1872.723	1798.526	1720.425	1658.217	1622.823	1621.878
170	1819.908	1810.233	1798.748	1781.819	1761.725	1743.274	1723.708	1708.612	1704.805	1706.870
180	1740.402	1740.402	1740.402	1740.402	1740.402	1740.402	1740.402	1740.402	1740.402	1740.402

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	94.63	N.A.	1.10
0-30	198.53	N.A.	2.40
0-40	317.94	N.A.	3.80
0-60	505.62	N.A.	6.00
0-80	566.76	N.A.	6.70
0-90	581.50	N.A.	6.90
10-90	556.90	N.A.	6.60
20-40	223.31	N.A.	2.70
20-50	333.75	N.A.	4.00
40-70	227.78	N.A.	2.70
60-80	61.14	N.A.	0.70
70-80	21.04	N.A.	0.20
80-90	14.73	N.A.	0.20
90-110	932.05	N.A.	11.10
90-120	2274.47	N.A.	27.00
90-130	3765.06	N.A.	44.70
90-150	6310.15	N.A.	75.00
90-180	7835.94	N.A.	93.10
110-180	6903.89	N.A.	82.00
0-180	8417.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	24.60
10-20	70.04
20-30	103.89
30-40	119.41
40-50	110.44
50-60	77.24
60-70	40.10
70-80	21.04
80-90	14.73
90-100	173.06
100-110	758.99
110-120	1342.42
120-130	1490.58
130-140	1386.08
140-150	1159.01
150-160	851.78
160-170	507.17
170-180	166.84

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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

X=2H	Y=2H	7.4	7.4	7.4	7.4	7.4	UGR Viewed Endwise				
	3H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	4H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	6H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	8H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	12H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

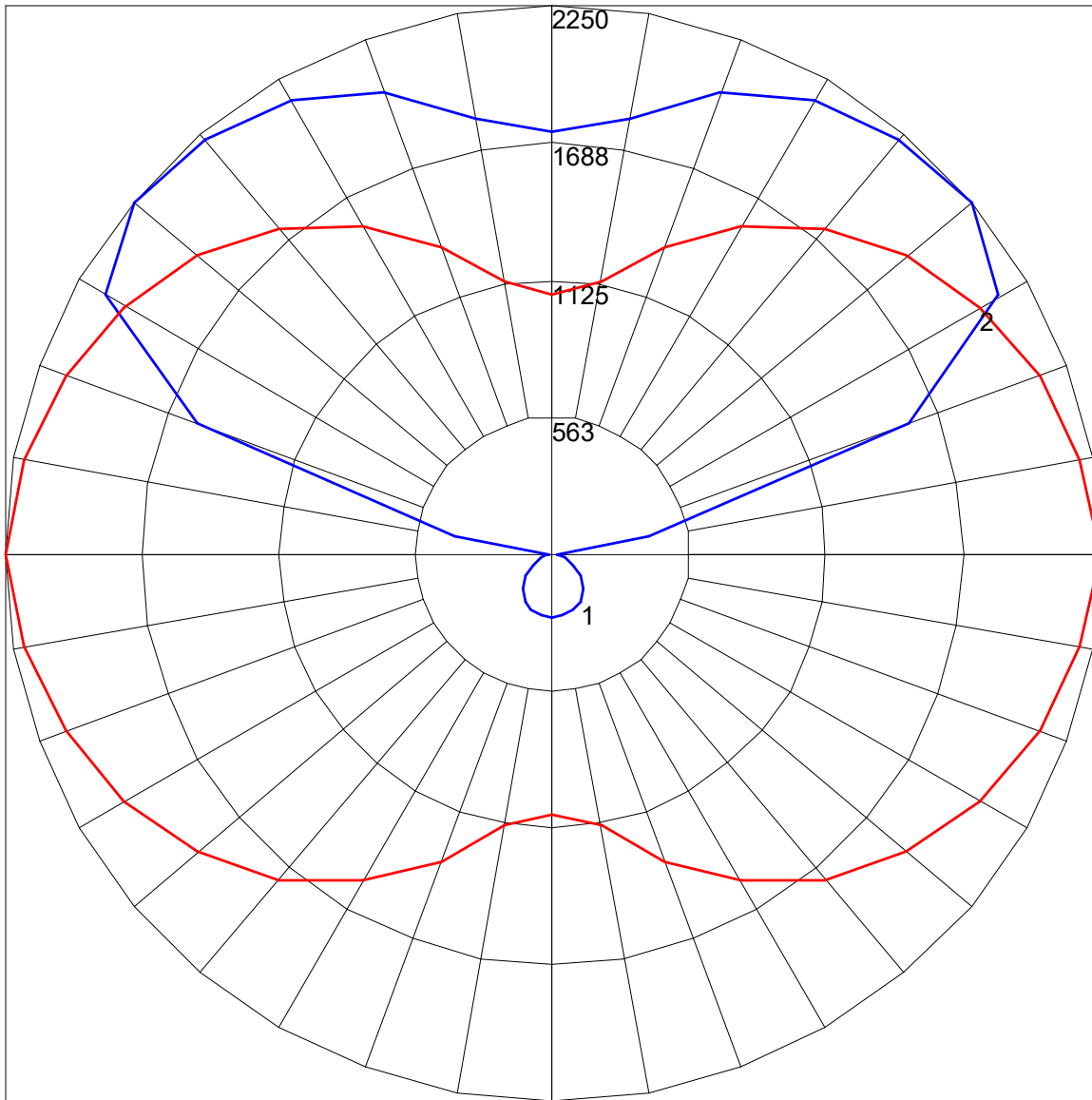
4H	2H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	3H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	4H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	6H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	8H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	12H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

8H	4H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	6H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	8H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	12H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

12H	4H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	6H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	8H	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

Maximum UGR = 7.4

POLAR GRAPH



Maximum Candela = 2250.451 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.)