



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FB-VHO-30.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-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	8165
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	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>
0	252.077	252.077	252.077	252.077	252.077	252.077	252.077	252.077	252.077	252.077
10	250.153	251.597	252.577	251.434	250.037	247.790	245.248	243.856	242.269	240.853
20	240.703	242.485	241.857	238.419	233.593	229.334	225.696	222.431	220.362	218.334
30	218.876	221.977	216.936	209.208	203.771	200.265	196.741	193.438	190.036	187.183
40	187.262	189.777	181.779	170.466	164.137	159.067	155.366	151.453	146.840	142.107
50	143.581	144.117	136.217	124.305	114.835	106.318	97.514	90.180	82.721	76.701
60	93.807	92.153	84.172	74.240	60.507	47.331	35.209	26.380	21.231	17.458
70	49.730	47.869	40.721	29.032	19.977	15.840	12.903	9.210	6.133	3.798
80	19.662	21.008	20.409	20.174	18.422	16.300	14.172	10.421	6.504	3.255
90	14.523	14.394	13.770	13.200	12.030	10.851	9.279	7.670	5.905	5.079
100	393.345	379.577	367.963	362.594	336.547	301.135	266.203	225.188	166.586	140.087
110	1512.727	1478.914	1422.675	1337.901	1239.380	1122.369	971.826	767.733	541.541	430.954
120	2057.848	2034.661	1966.330	1851.732	1717.868	1530.653	1317.113	1085.928	851.499	748.849
130	2182.961	2139.068	2070.747	1970.477	1847.600	1696.207	1509.648	1303.859	1102.944	1035.959
140	2152.270	2130.469	2087.120	2011.733	1906.807	1775.957	1627.053	1459.016	1296.256	1258.415
150	2090.879	2072.725	2035.974	1975.858	1899.580	1793.954	1672.877	1542.175	1455.684	1439.268
160	1959.385	1945.118	1918.270	1874.522	1816.561	1744.589	1668.830	1608.488	1574.155	1573.239
170	1765.330	1755.945	1744.805	1728.383	1708.892	1690.994	1672.015	1657.371	1653.679	1655.682
180	1688.208	1688.208	1688.208	1688.208	1688.208	1688.208	1688.208	1688.208	1688.208	1688.208

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	91.80	N.A.	1.10
0-30	192.57	N.A.	2.40
0-40	308.41	N.A.	3.80
0-60	490.46	N.A.	6.00
0-80	549.76	N.A.	6.70
0-90	564.06	N.A.	6.90
10-90	540.20	N.A.	6.60
20-40	216.61	N.A.	2.70
20-50	323.74	N.A.	4.00
40-70	220.95	N.A.	2.70
60-80	59.31	N.A.	0.70
70-80	20.41	N.A.	0.20
80-90	14.29	N.A.	0.20
90-110	904.10	N.A.	11.10
90-120	2206.26	N.A.	27.00
90-130	3652.14	N.A.	44.70
90-150	6120.91	N.A.	75.00
90-180	7600.94	N.A.	93.10
110-180	6696.84	N.A.	82.00
0-180	8165.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	23.86
10-20	67.94
20-30	100.78
30-40	115.83
40-50	107.13
50-60	74.92
60-70	38.89
70-80	20.41
80-90	14.29
90-100	167.87
100-110	736.23
110-120	1302.17
120-130	1445.88
130-140	1344.51
140-150	1124.25
150-160	826.23
160-170	491.96
170-180	161.83

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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

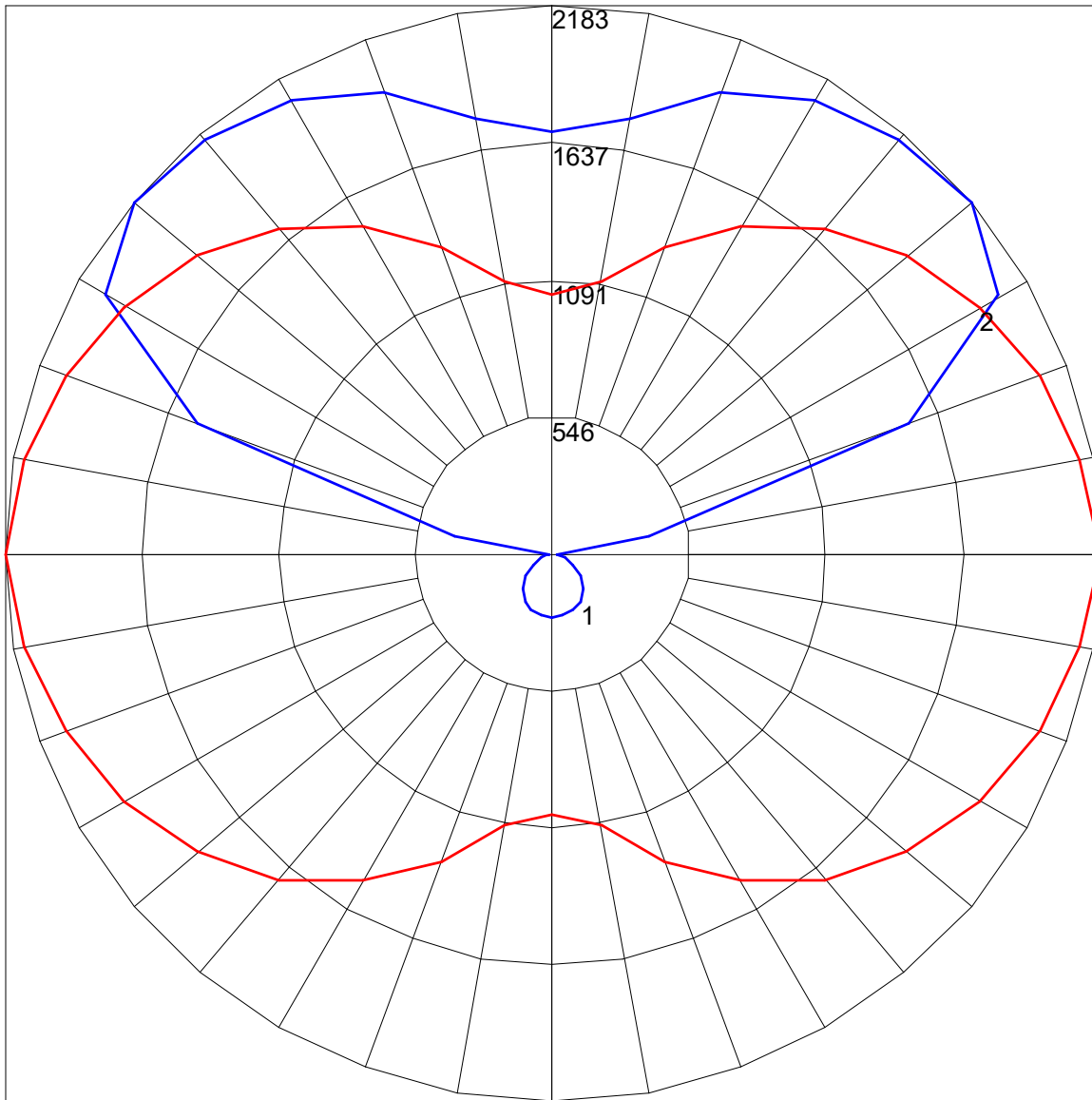
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UGR TABLE - CORRECTED

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	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	3H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	4H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	6H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	8H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	12H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
4H	2H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	3H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	4H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	6H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	8H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	12H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
8H	4H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	6H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	8H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	12H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
12H	4H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	6H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	8H	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

Maximum UGR = 7.3

POLAR GRAPH



Maximum Candela = 2182.961 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.)