



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FL-VHO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW_Scaled
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-3-2017
[LUMCAT] CURV-4-LED-FL-VHO-30
[MANUFAC] LSI INDUSTRIES, INC
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8875
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	72
Ballast Factor	1.00
CIE Type	Semi-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	2674	2063	1370
55	2848	2267	1454
65	2781	2336	1507
75	2662	2373	1575
85	3714	3526	2635

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FL-VHO-30.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	293.776	293.776	293.776	293.776	293.776	293.776	293.776	293.776	293.776	293.776
10	320.859	322.312	319.766	315.441	310.375	304.683	300.001	296.647	293.788	294.165
20	392.012	391.039	381.976	367.326	350.751	333.409	317.836	306.252	297.457	296.761
30	488.207	481.156	462.769	436.252	404.502	368.802	338.879	315.278	299.787	295.464
40	542.274	538.523	517.767	478.635	438.107	393.626	348.888	314.679	291.748	284.274
50	512.533	510.180	491.958	461.826	420.019	376.367	329.305	292.167	266.013	256.217
60	398.875	399.362	391.305	373.445	343.457	311.360	273.957	242.143	218.643	209.054
70	256.943	259.211	256.141	248.262	232.787	214.168	192.955	171.324	154.377	146.282
80	127.533	130.323	130.179	127.829	122.973	115.431	107.191	97.095	86.677	81.201
90	53.053	53.233	52.931	52.995	52.581	51.983	51.305	50.246	48.750	46.945
100	513.069	495.426	495.000	482.296	440.755	383.694	325.357	265.410	202.424	169.508
110	1599.570	1572.630	1522.027	1425.974	1313.137	1161.700	986.272	767.492	537.555	421.934
120	2002.131	1969.390	1908.674	1815.104	1671.320	1499.056	1272.808	1020.195	787.429	674.972
130	2107.816	2080.285	2012.004	1907.527	1769.496	1588.223	1376.997	1168.323	960.383	887.036
140	2013.014	1988.068	1929.302	1837.053	1716.434	1589.180	1431.043	1251.600	1093.391	1047.853
150	1846.118	1827.334	1795.578	1751.381	1650.050	1533.401	1416.309	1273.029	1194.242	1164.782
160	1651.256	1636.692	1610.671	1569.753	1515.335	1441.765	1362.249	1307.358	1274.759	1250.705
170	1423.779	1419.017	1408.133	1391.004	1376.512	1359.813	1346.973	1328.889	1315.581	1311.791
180	1336.063	1336.063	1336.063	1336.063	1336.063	1336.063	1336.063	1336.063	1336.063	1336.063

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FL-VHO-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	121.01	N.A.	1.40
0-30	290.46	N.A.	3.30
0-40	542.95	N.A.	6.10
0-60	1174.11	N.A.	13.20
0-80	1611.73	N.A.	18.20
0-90	1701.81	N.A.	19.20
10-90	1673.09	N.A.	18.90
20-40	421.94	N.A.	4.80
20-50	734.62	N.A.	8.30
40-70	895.23	N.A.	10.10
60-80	437.61	N.A.	4.90
70-80	173.55	N.A.	2.00
80-90	90.08	N.A.	1.00
90-110	1043.04	N.A.	11.80
90-120	2343.37	N.A.	26.40
90-130	3721.17	N.A.	41.90
90-150	5945.28	N.A.	67.00
90-180	7172.95	N.A.	80.80
110-180	6129.91	N.A.	69.10
0-180	8874.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	28.71
10-20	92.30
20-30	169.45
30-40	252.48
40-50	312.68
50-60	318.48
60-70	264.06
70-80	173.55
80-90	90.08
90-100	236.13
100-110	806.90
110-120	1300.33
120-130	1377.8
130-140	1235.98
140-150	988.13
150-160	697.29
160-170	401.31
170-180	129.07

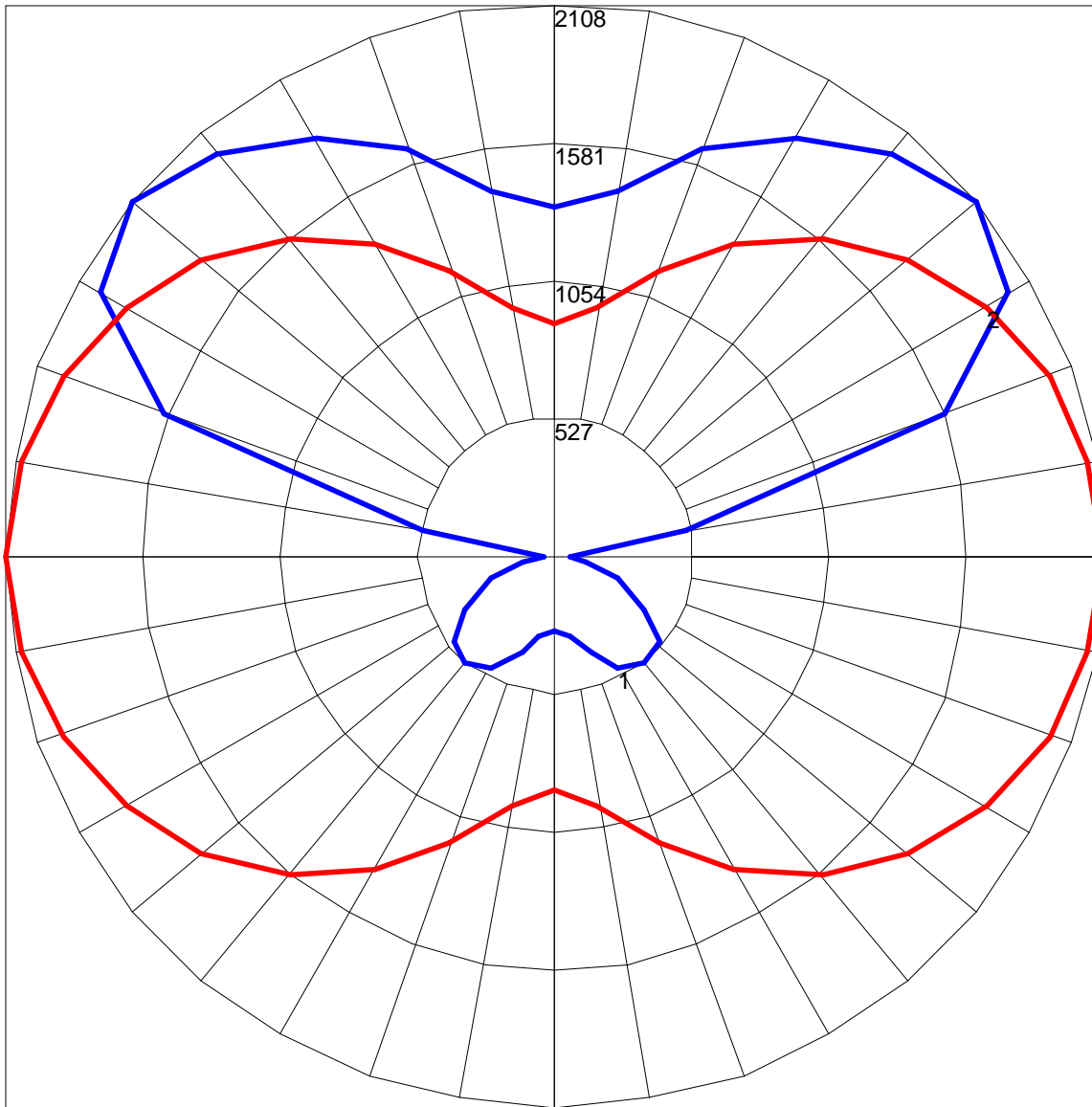
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FL-VHO-30.IES

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
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	90	86	82	79	79	76	73	70	57	55	53	40	38	37	24	23	22	15
2	82	75	69	63	72	66	61	57	49	46	43	34	32	30	20	19	18	12
3	74	65	58	52	65	57	51	47	43	39	36	30	27	25	18	16	15	10
4	68	57	49	44	59	51	44	39	38	33	30	26	23	21	16	14	13	8
5	62	51	43	37	54	45	38	33	34	29	25	23	20	18	14	12	11	7
6	57	45	37	32	50	40	33	28	30	25	22	21	18	15	12	11	9	6
7	52	40	33	27	46	36	29	24	27	22	19	19	16	13	11	9	8	5
8	48	36	29	24	42	32	26	21	24	20	16	17	14	12	10	8	7	4
9	45	33	26	21	39	29	23	19	22	18	14	15	12	10	9	7	6	4
10	42	30	23	18	36	27	20	16	20	16	13	14	11	9	8	7	5	3

POLAR GRAPH



Maximum Candela = 2107.816 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.)