



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FL-HO-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-HO-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	6017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	49
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	1813	1399	929
55	1931	1537	986
65	1886	1584	1022
75	1805	1609	1068
85	2518	2391	1787

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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	199.172	199.172	199.172	199.172	199.172	199.172	199.172	199.172	199.172	199.172
10	217.534	218.519	216.793	213.861	210.426	206.567	203.393	201.119	199.181	199.436
20	265.774	265.114	258.970	249.038	237.800	226.042	215.485	207.631	201.668	201.196
30	330.992	326.211	313.745	295.767	274.242	250.038	229.751	213.750	203.248	200.317
40	367.648	365.105	351.032	324.502	297.025	266.868	236.537	213.344	197.797	192.730
50	347.484	345.889	333.535	313.106	284.762	255.167	223.260	198.081	180.350	173.708
60	270.427	270.757	265.294	253.186	232.855	211.094	185.736	164.166	148.234	141.733
70	174.201	175.738	173.657	168.315	157.824	145.201	130.819	116.154	104.663	99.175
80	86.464	88.356	88.258	86.665	83.372	78.260	72.673	65.828	58.765	55.052
90	35.968	36.090	35.886	35.929	35.648	35.243	34.784	34.065	33.051	31.827
100	347.847	335.886	335.597	326.984	298.820	260.135	220.583	179.941	137.238	114.922
110	1084.467	1066.202	1031.895	966.773	890.272	787.602	668.667	520.340	364.448	286.060
120	1357.393	1335.195	1294.031	1230.593	1133.111	1016.320	862.931	691.666	533.856	457.613
130	1429.044	1410.379	1364.086	1293.253	1199.672	1076.774	933.568	792.092	651.114	601.387
140	1364.771	1347.858	1308.016	1245.474	1163.697	1077.423	970.210	848.552	741.291	710.417
150	1251.620	1238.885	1217.355	1187.390	1118.691	1039.606	960.221	863.081	809.665	789.692
160	1119.508	1109.634	1091.993	1064.252	1027.358	977.479	923.569	886.354	864.253	847.945
170	965.285	962.056	954.677	943.064	933.239	921.918	913.212	900.952	891.930	889.360
180	905.815	905.815	905.815	905.815	905.815	905.815	905.815	905.815	905.815	905.815

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	82.04	N.A.	1.40
0-30	196.93	N.A.	3.30
0-40	368.11	N.A.	6.10
0-60	796.02	N.A.	13.20
0-80	1092.71	N.A.	18.20
0-90	1153.78	N.A.	19.20
10-90	1134.31	N.A.	18.90
20-40	286.06	N.A.	4.80
20-50	498.05	N.A.	8.30
40-70	606.94	N.A.	10.10
60-80	296.69	N.A.	4.90
70-80	117.66	N.A.	2.00
80-90	61.07	N.A.	1.00
90-110	707.15	N.A.	11.80
90-120	1588.74	N.A.	26.40
90-130	2522.86	N.A.	41.90
90-150	4030.75	N.A.	67.00
90-180	4863.07	N.A.	80.80
110-180	4155.92	N.A.	69.10
0-180	6016.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	19.47
10-20	62.58
20-30	114.88
30-40	171.18
40-50	211.99
50-60	215.92
60-70	179.03
70-80	117.66
80-90	61.07
90-100	160.09
100-110	547.06
110-120	881.59
120-130	934.11
130-140	837.96
140-150	669.93
150-160	472.74
160-170	272.08
170-180	87.50

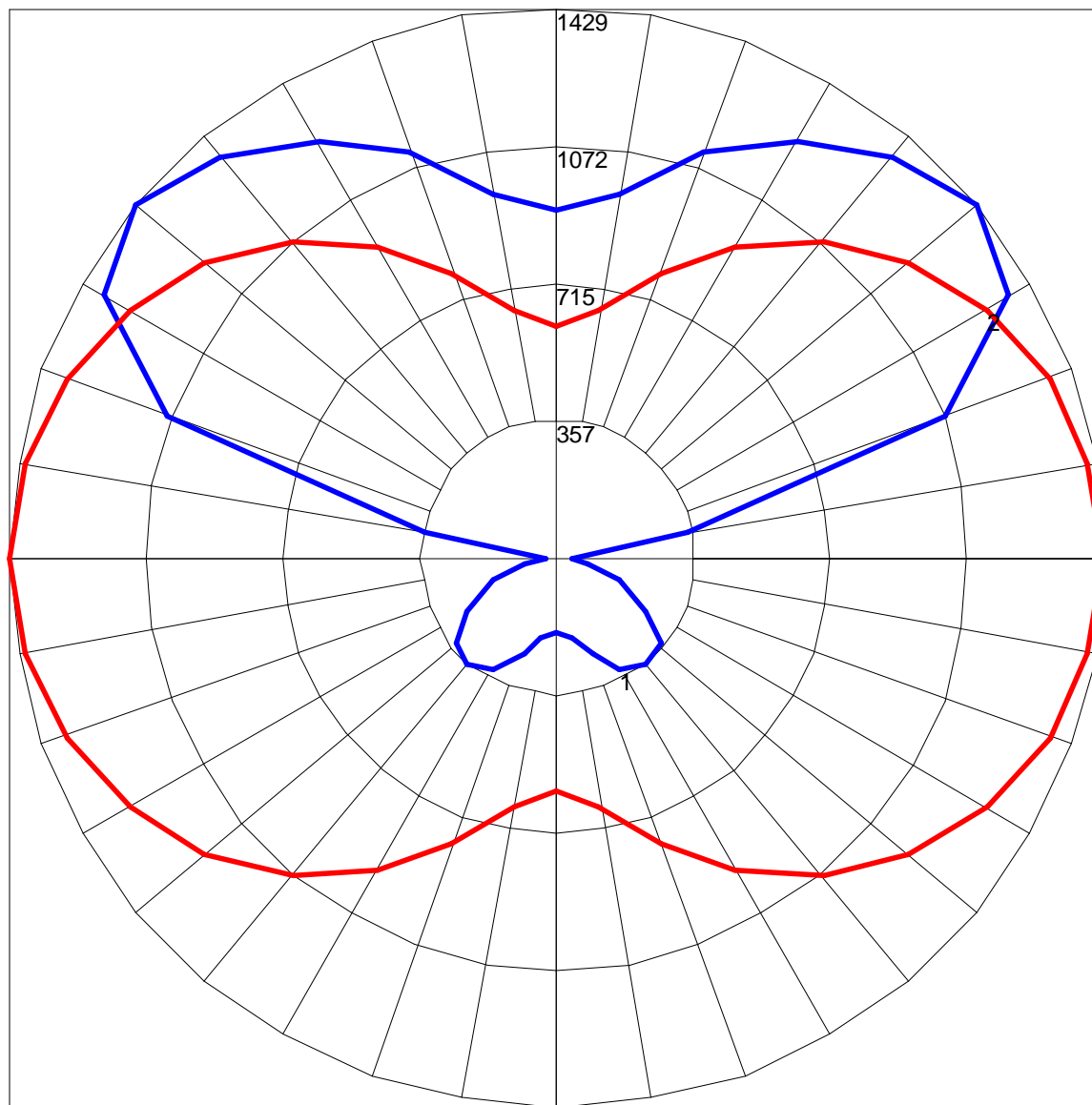
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
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 = 1429.044 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.)