



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FL-SS-35.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-SS-35
[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	5167
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	41
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	1557	1201	798
55	1658	1320	846
65	1619	1360	877
75	1550	1382	917
85	2162	2053	1534

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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	171.037	171.037	171.037	171.037	171.037	171.037	171.037	171.037	171.037	171.037
10	186.805	187.650	186.168	183.650	180.701	177.387	174.661	172.708	171.044	171.263
20	228.230	227.664	222.387	213.858	204.208	194.111	185.045	178.300	173.180	172.775
30	284.235	280.130	269.425	253.986	235.502	214.717	197.296	183.555	174.536	172.019
40	315.713	313.529	301.445	278.662	255.067	229.170	203.123	183.207	169.856	165.505
50	298.398	297.028	286.419	268.876	244.536	219.122	191.722	170.100	154.873	149.170
60	232.226	232.509	227.818	217.421	199.961	181.274	159.498	140.976	127.294	121.711
70	149.593	150.913	149.126	144.538	135.529	124.689	112.339	99.745	89.878	85.166
80	74.250	75.874	75.791	74.422	71.595	67.204	62.407	56.529	50.464	47.275
90	30.887	30.992	30.816	30.854	30.613	30.265	29.870	29.253	28.382	27.331
100	298.709	288.438	288.190	280.793	256.608	223.387	189.423	154.522	117.852	98.688
110	931.272	915.587	886.127	830.204	764.510	676.343	574.209	446.835	312.965	245.651
120	1165.644	1146.582	1111.233	1056.756	973.045	872.753	741.031	593.959	458.442	392.969
130	1227.174	1211.145	1171.392	1110.565	1030.203	924.666	801.690	680.199	559.136	516.434
140	1171.980	1157.456	1123.242	1069.535	999.310	925.223	833.156	728.684	636.574	610.061
150	1074.813	1063.877	1045.388	1019.657	960.662	892.748	824.577	741.160	695.290	678.138
160	961.364	952.885	937.735	913.913	882.230	839.398	793.104	761.146	742.166	728.163
170	828.926	826.154	819.817	809.844	801.407	791.685	784.210	773.681	765.933	763.727
180	777.858	777.858	777.858	777.858	777.858	777.858	777.858	777.858	777.858	777.858

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	70.45	N.A.	1.40
0-30	169.11	N.A.	3.30
0-40	316.11	N.A.	6.10
0-60	683.57	N.A.	13.20
0-80	938.35	N.A.	18.20
0-90	990.79	N.A.	19.20
10-90	974.08	N.A.	18.90
20-40	245.65	N.A.	4.80
20-50	427.69	N.A.	8.30
40-70	521.20	N.A.	10.10
60-80	254.78	N.A.	4.90
70-80	101.04	N.A.	2.00
80-90	52.44	N.A.	1.00
90-110	607.26	N.A.	11.80
90-120	1364.31	N.A.	26.40
90-130	2166.47	N.A.	41.90
90-150	3461.35	N.A.	67.00
90-180	4176.1	N.A.	80.80
110-180	3568.84	N.A.	69.10
0-180	5166.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16.72
10-20	53.74
20-30	98.66
30-40	147.00
40-50	182.04
50-60	185.42
60-70	153.74
70-80	101.04
80-90	52.44
90-100	137.48
100-110	469.78
110-120	757.05
120-130	802.16
130-140	719.59
140-150	575.29
150-160	405.96
160-170	233.65
170-180	75.14

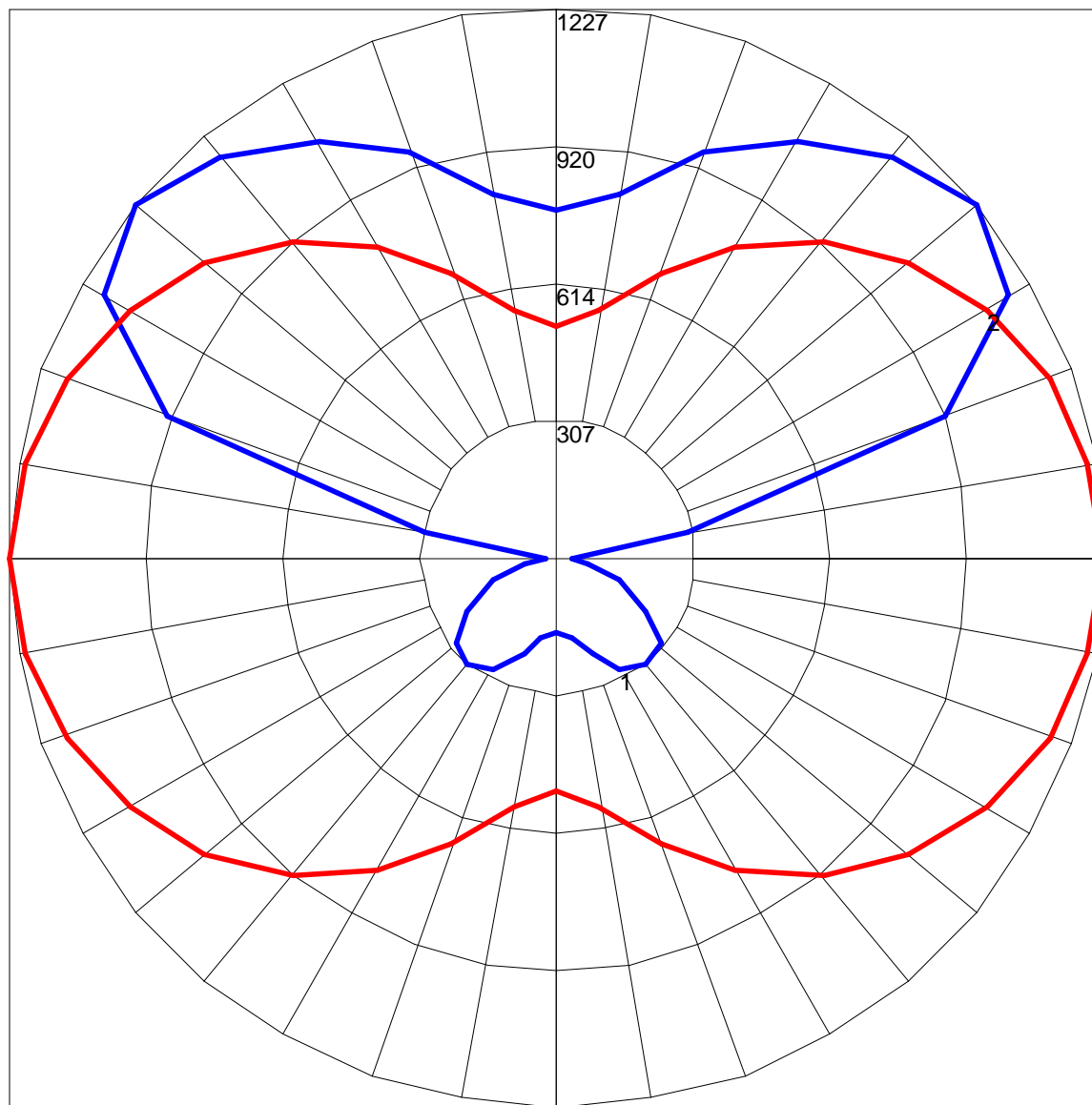
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1227.174 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.)