



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-6040-FL-SS-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 60 40_Scaled
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-4-LED-6040-FL-SS-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	4117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	41
Ballast Factor	1.00
CIE Type	General Diffuse
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	2312	2060	1636
55	2227	2047	1637
65	2014	1942	1613
75	1736	1811	1599
85	2341	2579	2367

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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	430.482	430.482	430.482	430.482	430.482	430.482	430.482	430.482	430.482	430.482
10	455.909	455.358	452.413	448.565	443.465	437.296	432.450	428.128	424.772	422.875
20	498.035	496.142	488.988	478.227	462.483	448.462	434.593	423.337	414.659	410.205
30	521.474	519.418	509.024	493.379	473.057	451.315	426.926	407.243	393.873	386.857
40	497.193	495.500	486.850	471.180	450.725	426.089	398.270	374.661	357.387	349.829
50	414.992	414.907	410.485	400.615	385.159	363.429	341.788	320.227	302.716	295.598
60	297.808	299.275	298.709	294.674	287.117	274.457	259.812	245.503	232.416	228.144
70	177.138	179.416	180.669	181.049	179.342	174.715	168.671	160.154	154.013	152.107
80	73.480	76.048	78.950	81.778	84.327	84.641	83.963	82.276	79.506	78.855
90	40.377	40.913	41.997	41.718	41.338	40.543	39.763	38.942	38.060	36.259
100	143.552	146.538	160.687	160.741	151.081	143.265	135.077	127.218	114.558	105.519
110	428.958	423.687	418.935	409.514	389.342	366.423	332.270	279.627	230.033	202.505
120	592.253	587.033	576.126	553.811	524.074	482.949	433.132	368.744	316.661	289.165
130	651.399	649.542	630.568	608.635	576.105	529.076	474.944	433.693	385.690	364.520
140	644.668	644.583	628.486	606.997	579.554	544.571	511.636	472.334	438.203	423.862
150	609.399	610.828	606.379	591.559	578.106	554.994	524.646	493.216	471.146	462.576
160	580.336	575.956	576.182	568.796	554.663	539.094	520.841	506.029	498.647	492.703
170	531.645	530.184	529.666	528.626	526.520	524.274	520.641	519.076	515.411	512.357
180	509.747	509.747	509.747	509.747	509.747	509.747	509.747	509.747	509.747	509.747

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	168.53	N.A.	4.10
0-30	380.15	N.A.	9.20
0-40	659.79	N.A.	16.00
0-60	1255.22	N.A.	30.50
0-80	1609.1	N.A.	39.10
0-90	1675.13	N.A.	40.70
10-90	1633.57	N.A.	39.70
20-40	491.26	N.A.	11.90
20-50	800.12	N.A.	19.40
40-70	815.89	N.A.	19.80
60-80	353.88	N.A.	8.60
70-80	133.43	N.A.	3.20
80-90	66.02	N.A.	1.60
90-110	358.84	N.A.	8.70
90-120	769.60	N.A.	18.70
90-130	1222.14	N.A.	29.70
90-150	1988.4	N.A.	48.30
90-180	2441.94	N.A.	59.30
110-180	2083.1	N.A.	50.60
0-180	4117.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.56
10-20	126.97
20-30	211.62
30-40	279.64
40-50	308.87
50-60	286.57
60-70	220.45
70-80	133.43
80-90	66.02
90-100	98.52
100-110	260.32
110-120	410.77
120-130	452.54
130-140	419.79
140-150	346.47
150-160	253.13
160-170	151.07
170-180	49.34

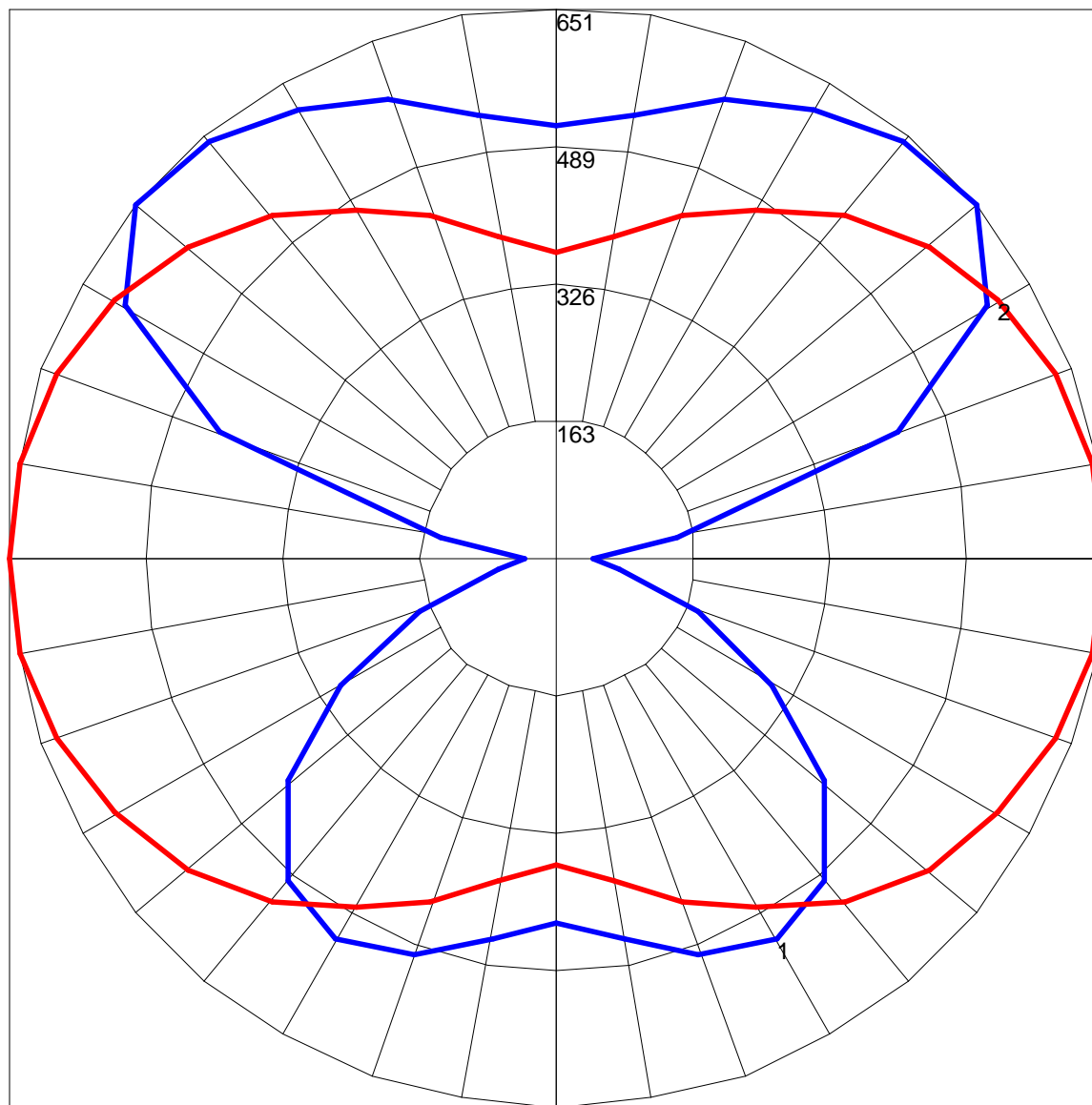
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	95	91	87	83	86	83	79	76	68	65	63	54	52	51	41	40	39	33
2	86	79	72	67	78	72	66	62	59	55	51	47	44	42	36	34	32	27
3	78	69	61	55	71	63	56	51	51	47	43	41	38	35	31	29	27	22
4	71	60	52	46	65	55	48	43	45	40	36	36	32	29	28	25	23	19
5	65	54	45	39	59	49	42	36	40	35	31	32	28	25	25	22	20	16
6	60	48	40	34	54	44	37	31	36	31	26	29	25	22	22	19	17	14
7	55	43	35	29	50	39	32	27	33	27	23	26	22	19	20	17	15	12
8	51	39	31	26	46	36	29	24	30	24	20	24	20	17	18	15	13	11
9	48	35	28	23	43	32	26	21	27	22	18	22	18	15	17	14	12	10
10	44	32	25	20	40	30	23	19	25	20	16	20	16	13	16	13	11	9

POLAR GRAPH



Maximum Candela = 651.399 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.)