



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FL-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 HO NW 50 50
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-05-2017
[LUMCAT] CURV-4-LED-5050-FL-HO-40
[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	4965
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	48.5
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	3297	2955	2417
55	3190	2932	2386
65	2879	2758	2309
75	2471	2516	2202
85	3102	3353	3101

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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	657.185	657.185	657.185	657.185	657.185	657.185	657.185	657.185	657.185	657.185
10	680.743	679.574	675.308	670.875	664.381	658.860	653.633	649.431	647.168	646.129
20	720.019	716.874	708.336	696.442	680.639	663.283	647.587	634.988	625.930	622.911
30	745.391	741.653	730.236	710.315	685.132	654.651	627.410	603.409	588.037	582.044
40	707.772	705.382	693.832	673.528	646.322	611.701	578.887	549.367	528.208	519.962
50	593.095	592.478	585.709	572.471	549.578	523.714	493.720	463.242	442.150	433.638
60	427.641	428.966	427.396	421.785	409.506	393.979	373.859	351.833	335.868	329.775
70	251.245	251.536	255.514	255.463	252.792	244.424	238.413	227.170	218.460	214.753
80	105.555	108.580	111.252	113.546	114.703	114.691	113.026	109.526	105.228	103.250
90	45.287	46.022	46.999	47.929	48.390	48.315	48.437	48.025	47.938	47.551
100	179.906	187.607	195.786	196.285	186.542	172.138	158.375	145.697	132.534	123.724
110	449.915	442.661	447.259	439.547	421.215	394.258	355.290	309.947	261.344	235.834
120	583.814	581.348	576.325	564.262	537.791	501.953	453.412	395.705	351.110	329.236
130	635.832	640.277	629.107	614.922	585.031	540.259	495.804	460.681	421.530	402.464
140	630.756	637.158	622.552	606.566	589.823	558.929	531.730	497.597	468.118	457.182
150	604.663	607.854	602.189	591.124	579.839	565.483	547.309	525.786	506.767	500.312
160	579.029	580.268	582.523	574.594	566.194	556.641	544.919	533.180	527.549	523.001
170	545.505	544.772	545.804	545.501	545.048	541.894	540.183	538.606	535.867	535.140
180	533.993	533.993	533.993	533.993	533.993	533.993	533.993	533.993	533.993	533.993

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	252.09	N.A.	5.10
0-30	561.96	N.A.	11.30
0-40	967.00	N.A.	19.50
0-60	1823.38	N.A.	36.70
0-80	2324.05	N.A.	46.80
0-90	2410.33	N.A.	48.50
10-90	2347.34	N.A.	47.30
20-40	714.90	N.A.	14.40
20-50	1159.67	N.A.	23.40
40-70	1170.64	N.A.	23.60
60-80	500.67	N.A.	10.10
70-80	186.41	N.A.	3.80
80-90	86.28	N.A.	1.70
90-110	408.92	N.A.	8.20
90-120	840.87	N.A.	16.90
90-130	1305.66	N.A.	26.30
90-150	2088.04	N.A.	42.10
90-180	2554.83	N.A.	51.50
110-180	2145.91	N.A.	43.20
0-180	4965.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.99
10-20	189.11
20-30	309.86
30-40	405.04
40-50	444.77
50-60	411.61
60-70	314.26
70-80	186.41
80-90	86.28
90-100	118.52
100-110	290.41
110-120	431.94
120-130	464.79
130-140	428.66
140-150	353.72
150-160	259.61
160-170	155.83
170-180	51.35

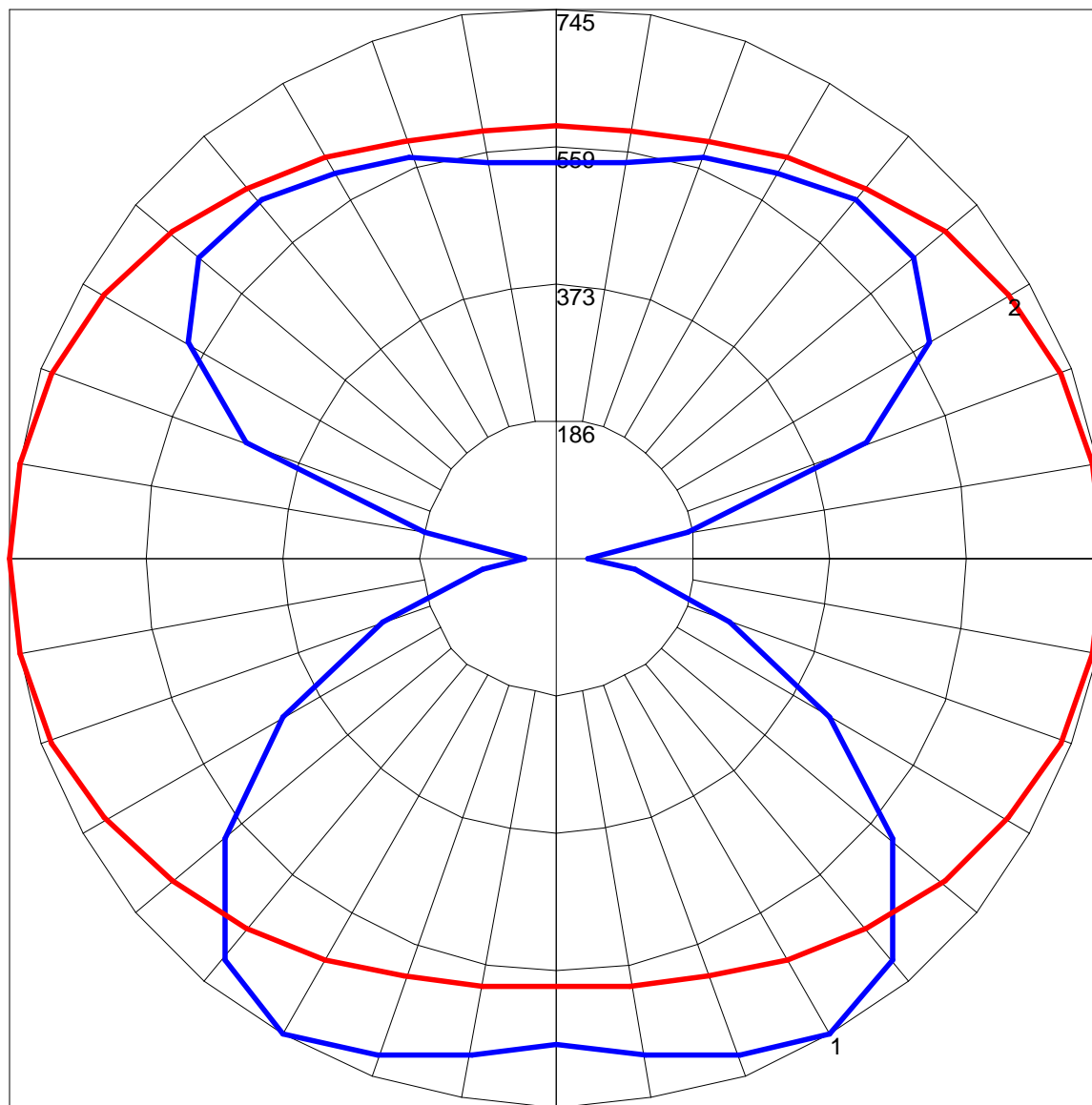
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	97	92	88	84	89	85	81	78	71	69	66	59	57	55	47	46	45	40
2	88	80	74	68	80	74	68	64	62	58	54	51	48	46	41	39	37	32
3	80	70	62	56	73	65	58	53	54	49	45	45	41	38	36	33	31	27
4	73	62	53	47	67	57	50	44	48	42	38	40	36	32	32	29	26	23
5	67	55	46	40	61	51	43	38	43	37	33	35	31	28	29	25	23	19
6	61	49	41	35	56	45	38	32	38	32	28	32	27	24	26	22	20	17
7	56	44	36	30	52	41	33	28	35	29	25	29	24	21	23	20	17	15
8	52	40	32	26	48	37	30	25	31	26	22	26	22	19	21	18	15	13
9	49	36	28	23	45	34	27	22	29	23	19	24	20	16	20	16	14	12
10	45	33	26	21	42	31	24	20	26	21	17	22	18	15	18	15	12	10

POLAR GRAPH



Maximum Candela = 745.391 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)