



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO NW 50 50
 [TESTLAB] Dekko
 [TESTDATE] 04-05-2017
 [ISSUEDATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-4-LED-5050-FB-HO-30
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2430
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
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	1906	1641	1439
55	1558	1125	770
65	1044	518	238
75	458	149	81
85	112	171	116

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-HO-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	656.780	656.780	656.780	656.780	656.780	656.780	656.780	656.780	656.780	656.780
10	647.604	647.229	646.416	644.299	642.768	640.482	637.413	634.555	632.016	629.815
20	607.183	606.748	605.284	600.424	593.745	585.812	579.831	575.226	570.977	567.814
30	535.176	533.780	527.003	515.785	507.663	503.030	497.882	493.036	487.276	483.795
40	436.559	433.734	419.517	405.118	395.732	389.609	385.688	381.712	374.330	368.310
50	315.426	310.124	291.937	275.652	261.563	248.069	232.870	220.457	208.633	199.522
60	183.105	177.807	159.011	137.986	117.152	93.184	72.074	59.581	52.306	46.828
70	63.021	57.481	45.072	29.356	18.558	15.325	13.003	11.297	9.890	9.402
80	3.166	3.779	4.369	4.573	4.627	4.520	4.224	3.673	2.760	2.346
90	2.301	2.626	3.244	3.883	3.728	3.770	3.547	3.184	2.934	3.307
100	73.339	76.191	73.517	74.148	59.474	53.196	45.483	43.125	39.258	37.919
110	185.552	190.666	188.735	183.722	166.273	152.085	141.414	128.517	113.956	110.430
120	230.062	268.050	262.112	243.927	235.280	217.852	192.566	174.281	169.248	169.977
130	259.583	334.128	252.063	301.733	250.048	237.639	217.987	214.255	213.999	214.764
140	267.942	282.530	290.448	255.283	255.008	250.916	251.464	251.310	251.563	251.648
150	260.728	262.344	266.971	269.576	273.342	276.022	277.609	278.031	278.006	279.564
160	279.391	279.549	282.912	286.319	288.374	290.180	291.490	292.579	293.015	294.236
170	290.995	290.176	291.171	293.207	294.295	295.233	295.729	296.896	297.033	299.153
180	293.520	293.520	293.520	293.520	293.520	293.520	293.520	293.520	293.520	293.520

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-HO-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	236.24	N.A.	9.70
0-30	490.31	N.A.	20.20
0-40	775.19	N.A.	31.90
0-60	1192.83	N.A.	49.10
0-80	1276.08	N.A.	52.50
0-90	1280.02	N.A.	52.70
10-90	1218.11	N.A.	50.10
20-40	538.96	N.A.	22.20
20-50	792.57	N.A.	32.60
40-70	484.93	N.A.	20.00
60-80	83.25	N.A.	3.40
70-80	15.96	N.A.	0.70
80-90	3.94	N.A.	0.20
90-110	146.95	N.A.	6.00
90-120	333.16	N.A.	13.70
90-130	543.61	N.A.	22.40
90-150	909.38	N.A.	37.40
90-180	1149.64	N.A.	47.30
110-180	1002.69	N.A.	41.30
0-180	2429.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	61.91
10-20	174.32
20-30	254.07
30-40	284.88
40-50	253.62
50-60	164.02
60-70	67.29
70-80	15.96
80-90	3.94
90-100	33.32
100-110	113.63
110-120	186.21
120-130	210.45
130-140	198.23
140-150	167.53
150-160	129.69
160-170	82.52
170-180	28.06

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-HO-30.IES

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	100	96	92	89	92	89	86	83	76	74	72	64	63	62	54	53	52	47
2	92	85	79	75	85	79	74	70	68	65	62	58	56	53	49	47	45	41
3	84	76	69	64	78	71	65	60	61	57	53	52	49	46	44	42	40	36
4	78	68	60	55	72	63	57	52	55	50	46	47	44	41	40	37	35	32
5	72	61	53	47	66	57	50	45	50	44	40	43	39	36	36	34	31	28
6	66	55	47	42	61	51	45	40	45	40	36	39	35	32	33	30	28	25
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20
9	53	42	34	29	50	39	33	28	35	29	26	30	26	23	26	23	21	19
10	50	38	31	27	46	36	30	26	32	27	23	28	24	21	24	21	19	17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-HO-30.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	9.4	10.2	10.3	11.1	12.4	4.5	5.3	5.4	6.2	7.5
	3H	10.0	10.8	11.0	11.7	13.0	4.5	5.2	5.4	6.2	7.4
	4H	10.1	10.8	11.1	11.8	13.0	4.4	5.1	5.4	6.1	7.3
	6H	10.1	10.7	11.1	11.7	13.0	4.3	5.0	5.3	5.9	7.2
	8H	10.0	10.6	11.0	11.6	12.9	4.3	4.9	5.3	5.9	7.2
	12H	10.0	10.5	11.0	11.5	12.8	4.3	4.8	5.3	5.8	7.1

UGR Viewed Endwise

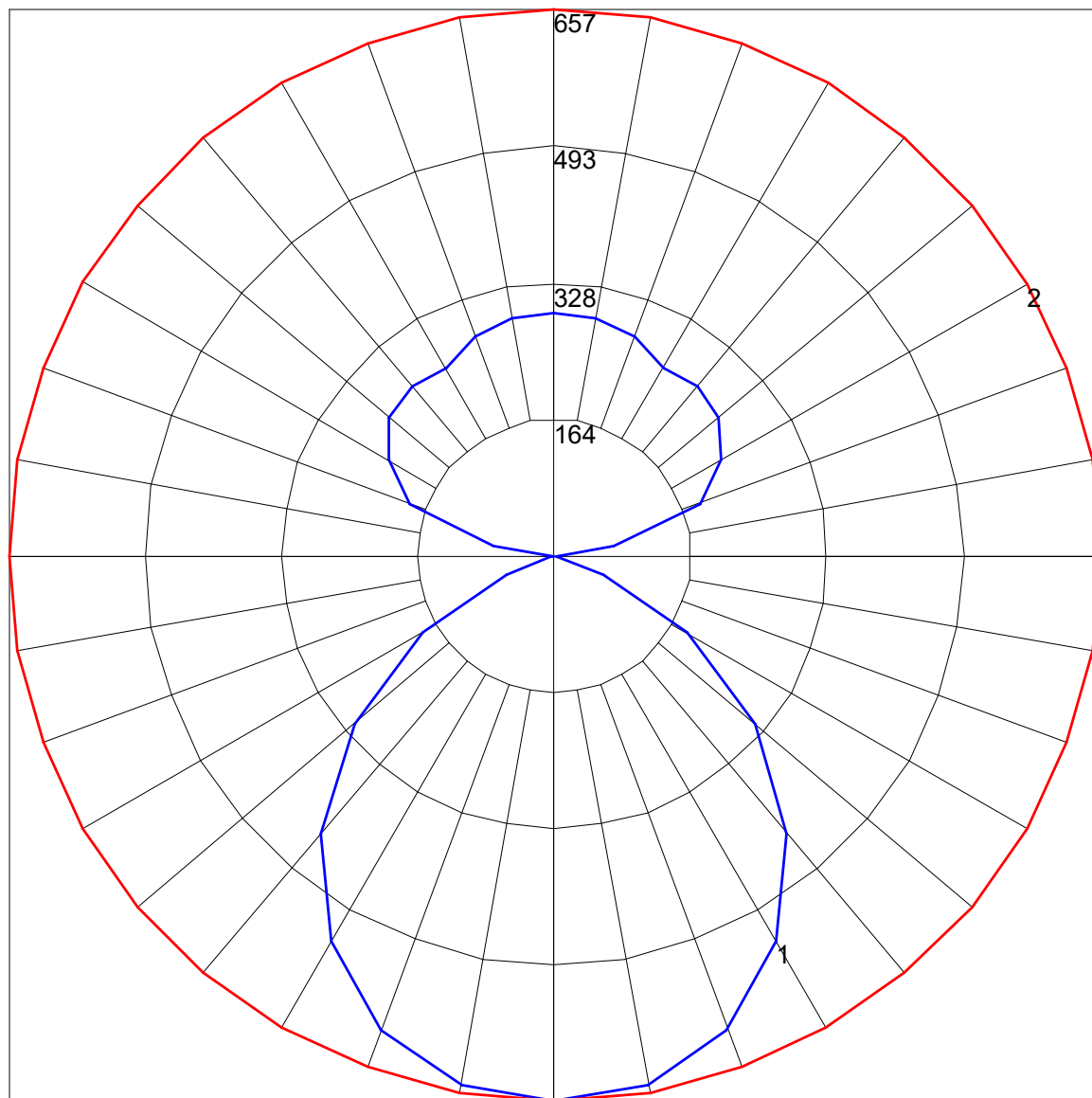
4H	2H	9.2	9.9	10.2	10.9	12.2	4.8	5.5	5.8	6.5	7.8
	3H	9.9	10.5	10.9	11.5	12.8	4.9	5.4	5.9	6.4	7.7
	4H	10.1	10.6	11.1	11.6	12.9	4.8	5.3	5.8	6.3	7.6
	6H	10.0	10.5	11.0	11.5	12.8	4.8	5.2	5.8	6.2	7.5
	8H	10.0	10.4	11.0	11.4	12.7	4.7	5.1	5.7	6.1	7.5
	12H	9.9	10.3	11.0	11.3	12.6	4.7	5.1	5.7	6.1	7.4

8H	4H	9.9	10.3	10.9	11.3	12.7	4.8	5.2	5.8	6.2	7.5
	6H	9.9	10.2	10.9	11.3	12.6	4.7	5.1	5.8	6.1	7.4
	8H	9.9	10.1	10.9	11.2	12.5	4.7	5.0	5.8	6.0	7.4
	12H	9.8	10.1	10.8	11.1	12.5	4.7	5.0	5.8	6.0	7.4

12H	4H	9.9	10.2	10.9	11.2	12.6	4.7	5.1	5.8	6.1	7.4
	6H	9.8	10.1	10.9	11.2	12.5	4.7	5.0	5.7	6.0	7.4
	8H	9.8	10.1	10.8	11.1	12.5	4.7	4.9	5.7	6.0	7.4

Maximum UGR = 13.0

POLAR GRAPH



Maximum Candela = 656.78 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)