



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-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
 [ISSUE DATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-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	4859
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	97
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)	8.00 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-8-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	1313.560	1313.560	1313.560	1313.560	1313.560	1313.560	1313.560	1313.560	1313.560	1313.560
10	1295.207	1294.459	1292.832	1288.598	1285.537	1280.965	1274.826	1269.110	1264.032	1259.631
20	1214.367	1213.496	1210.568	1200.848	1187.489	1171.624	1159.663	1150.451	1141.953	1135.627
30	1070.352	1067.560	1054.006	1031.569	1015.327	1006.059	995.764	986.073	974.552	967.590
40	873.119	867.468	839.034	810.237	791.464	779.217	771.376	763.423	748.661	736.621
50	630.852	620.249	583.873	551.304	523.126	496.138	465.740	440.914	417.266	399.044
60	366.210	355.615	318.021	275.973	234.303	186.367	144.148	119.162	104.611	93.656
70	126.043	114.961	90.144	58.711	37.117	30.650	26.007	22.595	19.781	18.803
80	6.332	7.558	8.738	9.146	9.254	9.040	8.448	7.346	5.519	4.692
90	4.602	5.253	6.487	7.767	7.455	7.540	7.093	6.367	5.868	6.615
100	146.679	152.382	147.033	148.296	118.948	106.392	90.965	86.249	78.516	75.837
110	371.105	381.333	377.470	367.445	332.545	304.169	282.828	257.035	227.911	220.860
120	460.125	536.101	524.224	487.854	470.561	435.705	385.132	348.563	338.496	339.954
130	519.166	668.256	504.126	603.466	500.097	475.277	435.973	428.510	427.998	429.527
140	535.883	565.061	580.896	510.567	510.015	501.832	502.927	502.620	503.126	503.295
150	521.457	524.687	533.942	539.151	546.683	552.045	555.217	556.061	556.013	559.129
160	558.782	559.099	565.824	572.638	576.748	580.359	582.980	585.158	586.031	588.471
170	581.990	580.352	582.342	586.413	588.589	590.465	591.458	593.792	594.065	598.305
180	587.040	587.040	587.040	587.040	587.040	587.040	587.040	587.040	587.040	587.040

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-HO-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	472.47	N.A.	9.70
0-30	980.62	N.A.	20.20
0-40	1550.38	N.A.	31.90
0-60	2385.66	N.A.	49.10
0-80	2552.16	N.A.	52.50
0-90	2560.04	N.A.	52.70
10-90	2436.21	N.A.	50.10
20-40	1077.91	N.A.	22.20
20-50	1585.14	N.A.	32.60
40-70	969.86	N.A.	20.00
60-80	166.49	N.A.	3.40
70-80	31.91	N.A.	0.70
80-90	7.88	N.A.	0.20
90-110	293.90	N.A.	6.00
90-120	666.32	N.A.	13.70
90-130	1087.23	N.A.	22.40
90-150	1818.75	N.A.	37.40
90-180	2299.28	N.A.	47.30
110-180	2005.37	N.A.	41.30
0-180	4859.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.83
10-20	348.65
20-30	508.15
30-40	569.76
40-50	507.23
50-60	328.05
60-70	134.58
70-80	31.91
80-90	7.88
90-100	66.64
100-110	227.26
110-120	372.42
120-130	420.90
130-140	396.46
140-150	335.06
150-160	259.37
160-170	165.04
170-180	56.11

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-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	65	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

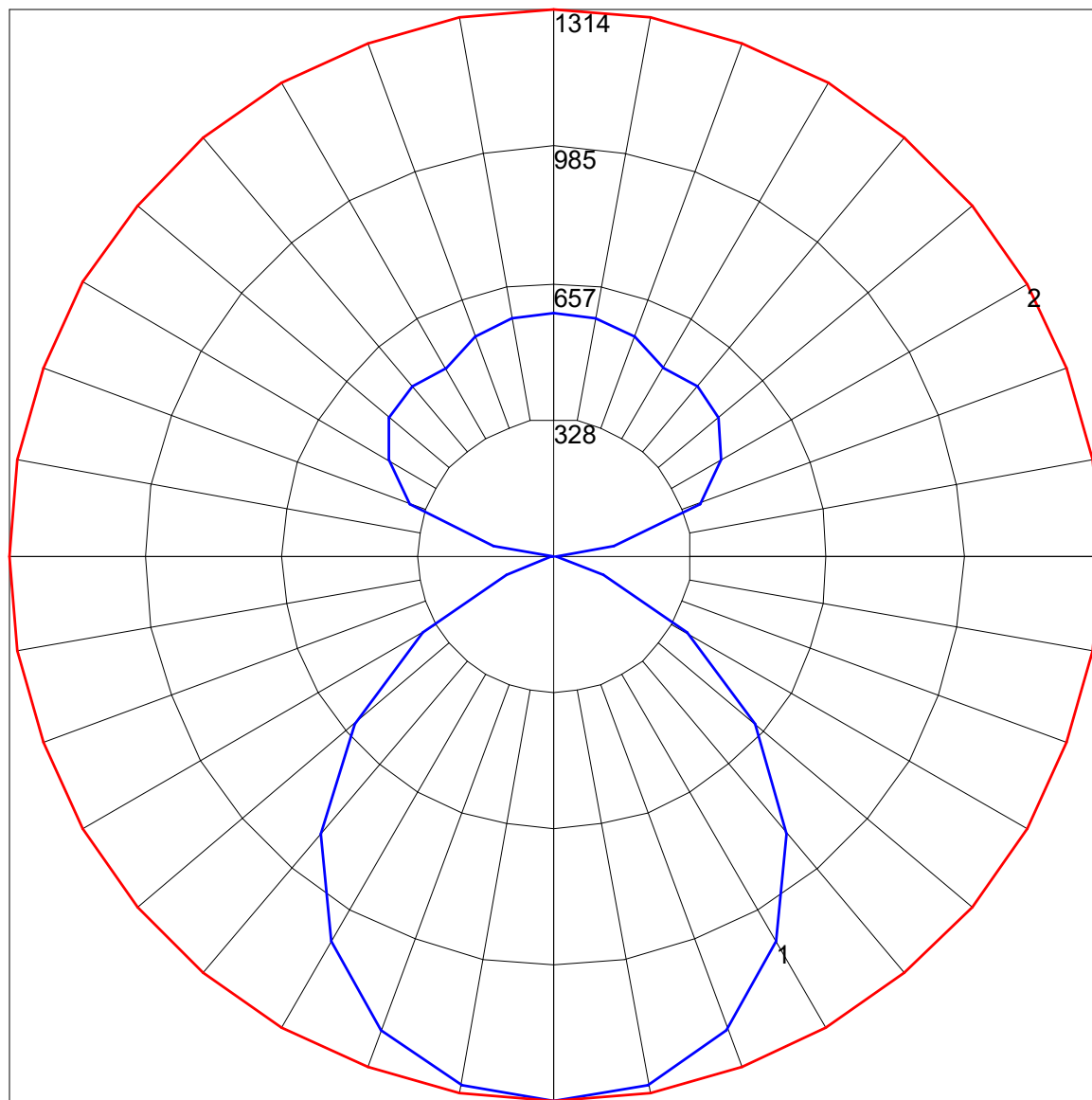
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-HO-30.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	9.4	10.2	10.3	11.1	12.4	5.5	5.5	5.5	6.2	7.5
	3H	10.0	10.7	11.0	11.7	13.0	5.5	5.5	5.5	6.2	7.4
	4H	10.1	10.8	11.1	11.8	13.0	5.5	5.5	5.5	6.1	7.3
	6H	10.1	10.7	11.1	11.7	12.9	5.5	5.5	5.5	5.9	7.2
	8H	10.0	10.6	11.0	11.6	12.9	5.5	5.5	5.5	5.9	7.1
	12H	10.0	10.5	11.0	11.5	12.8	5.5	5.5	5.5	5.8	7.1
4H	2H	9.2	9.9	10.2	10.9	12.2	5.5	5.5	5.8	6.5	7.8
	3H	9.9	10.5	10.9	11.5	12.8	5.5	5.5	5.9	6.4	7.7
	4H	10.1	10.6	11.0	11.6	12.9	5.5	5.5	5.8	6.3	7.6
	6H	10.0	10.5	11.0	11.5	12.8	5.5	5.5	5.8	6.2	7.5
	8H	10.0	10.4	11.0	11.4	12.7	5.5	5.5	5.7	6.1	7.4
	12H	9.9	10.3	10.9	11.3	12.6	5.5	5.5	5.7	6.1	7.4
8H	4H	9.9	10.3	10.9	11.3	12.6	5.5	5.5	5.8	6.2	7.5
	6H	9.9	10.2	10.9	11.3	12.6	5.5	5.5	5.8	6.1	7.4
	8H	9.8	10.1	10.9	11.2	12.5	5.5	5.5	5.7	6.0	7.4
	12H	9.8	10.0	10.8	11.1	12.5	5.5	5.5	5.7	6.0	7.4
12H	4H	9.9	10.2	10.9	11.2	12.6	5.5	5.5	5.7	6.1	7.4
	6H	9.8	10.1	10.9	11.1	12.5	5.5	5.5	5.7	6.0	7.4
	8H	9.8	10.0	10.8	11.1	12.4	5.5	5.5	5.7	6.0	7.3

Maximum UGR = 13.0

POLAR GRAPH



Maximum Candela = 1313.56 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.)