



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO SS 60 40
 [TESTLAB] Dekko
 [TESTDATE] 04-10-2017
 [ISSUEDATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-4-LED-6040-FB-SS-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	2613
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	40.6
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	1506	1329	1287
55	1231	941	791
65	822	498	345
75	442	288	234
85	653	650	599

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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	521.923	521.923	521.923	521.923	521.923	521.923	521.923	521.923	521.923	521.923
10	516.816	513.776	513.132	512.056	510.666	509.816	508.718	507.020	507.062	506.683
20	482.663	481.406	479.216	476.314	473.243	469.268	466.913	464.070	462.416	462.125
30	422.221	420.783	415.401	407.998	403.751	401.704	402.193	401.142	400.417	400.467
40	345.670	342.499	332.191	323.057	316.264	314.728	315.109	316.237	315.315	315.815
50	248.465	243.070	230.030	220.039	212.342	205.378	199.137	195.103	192.784	192.099
60	145.324	138.712	124.803	112.953	100.034	84.273	71.485	64.471	62.396	61.005
70	48.608	45.815	39.930	31.468	26.118	24.299	22.827	21.261	20.560	20.312
80	15.234	15.865	16.229	16.427	16.523	16.219	15.925	15.174	13.840	13.498
90	16.533	16.512	16.460	16.139	15.552	14.899	14.409	14.458	15.665	15.633
100	116.398	121.432	118.481	123.455	121.397	113.903	104.781	92.883	85.909	82.059
110	258.677	271.099	265.378	259.144	246.234	231.741	211.260	193.557	165.086	155.236
120	321.445	334.963	329.935	323.013	313.366	292.244	275.028	252.817	217.699	216.084
130	357.549	362.416	365.522	355.743	347.270	334.598	317.144	281.918	265.255	265.434
140	373.093	375.712	384.783	379.874	368.594	353.481	324.455	300.374	301.069	301.714
150	374.949	378.172	374.968	375.863	358.091	331.482	322.187	322.926	324.848	325.823
160	322.818	323.707	326.538	328.439	330.653	333.047	334.737	336.499	338.129	338.525
170	328.823	328.646	329.806	331.911	333.887	335.594	337.274	338.047	338.692	339.168
180	333.262	333.262	333.262	333.262	333.262	333.262	333.262	333.262	333.262	333.262

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	188.47	N.A.	7.20
0-30	391.88	N.A.	15.00
0-40	621.20	N.A.	23.80
0-60	967.35	N.A.	37.00
0-80	1053.55	N.A.	40.30
0-90	1070.57	N.A.	41.00
10-90	1021.29	N.A.	39.10
20-40	432.73	N.A.	16.60
20-50	640.29	N.A.	24.50
40-70	408.41	N.A.	15.60
60-80	86.20	N.A.	3.30
70-80	23.94	N.A.	0.90
80-90	17.02	N.A.	0.70
90-110	246.18	N.A.	9.40
90-120	503.07	N.A.	19.20
90-130	779.65	N.A.	29.80
90-150	1259.32	N.A.	48.20
90-180	1542.92	N.A.	59.00
110-180	1296.74	N.A.	49.60
0-180	2613.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.27
10-20	139.20
20-30	203.40
30-40	229.32
40-50	207.56
50-60	138.58
60-70	62.26
70-80	23.94
80-90	17.02
90-100	67.99
100-110	178.20
110-120	256.88
120-130	276.58
130-140	261.04
140-150	218.64
150-160	157.41
160-170	94.34
170-180	31.86

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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	96	92	89	86	88	84	81	79	70	67	66	56	55	53	43	42	42	36
2	88	82	76	71	80	75	70	66	62	58	55	50	48	46	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	69	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	26	24	22	19
7	59	47	39	34	53	43	37	32	37	31	28	30	26	24	24	22	20	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	19	17	15	13

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UGR TABLE - CORRECTED

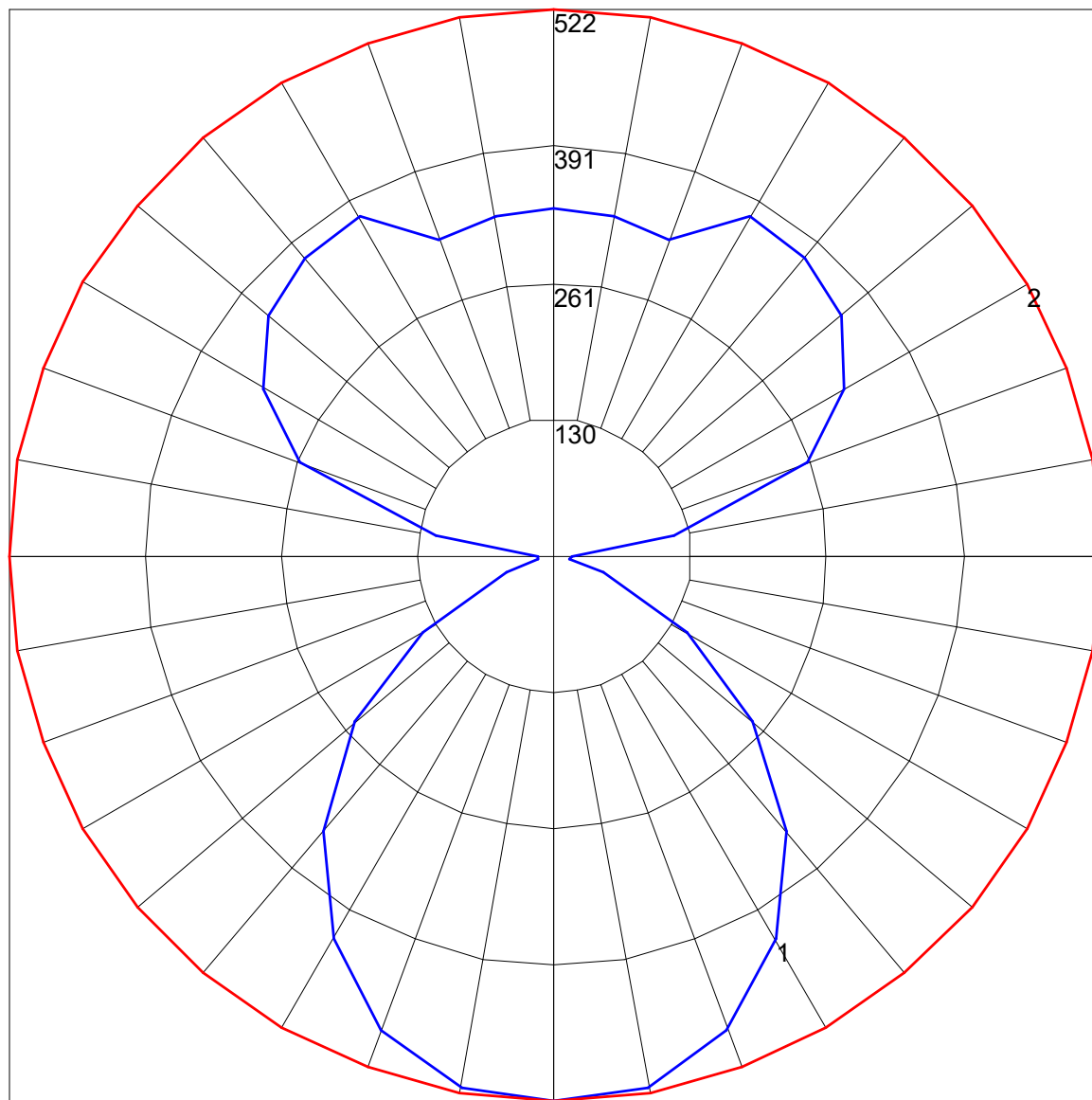
Reflectances

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	7.1	7.8	8.1	8.8	10.2	3.8	4.5	4.8	5.6	7.0
	3H	7.7	8.4	8.8	9.4	10.9	4.1	4.7	5.1	5.8	7.2
	4H	7.9	8.5	9.0	9.6	11.0	4.2	4.8	5.3	5.9	7.3
	6H	8.0	8.6	9.1	9.6	11.1	4.4	5.0	5.5	6.0	7.5
	8H	8.0	8.6	9.1	9.7	11.1	4.6	5.1	5.6	6.2	7.6
	12H	8.2	8.7	9.2	9.7	11.2	4.9	5.4	5.9	6.4	7.9
4H	2H	7.0	7.6	8.1	8.7	10.1	4.1	4.7	5.2	5.8	7.2
	3H	7.7	8.3	8.8	9.3	10.8	4.5	5.0	5.6	6.1	7.5
	4H	8.0	8.5	9.1	9.6	11.0	4.7	5.2	5.8	6.3	7.7
	6H	8.2	8.6	9.3	9.7	11.2	5.0	5.4	6.1	6.5	8.0
	8H	8.3	8.7	9.4	9.8	11.2	5.3	5.7	6.4	6.8	8.2
	12H	8.5	8.9	9.6	10.0	11.4	5.7	6.1	6.9	7.2	8.7
8H	4H	7.9	8.3	9.0	9.4	10.9	4.8	5.2	5.9	6.3	7.8
	6H	8.2	8.5	9.3	9.7	11.1	5.3	5.7	6.5	6.8	8.2
	8H	8.4	8.7	9.6	9.8	11.3	5.8	6.0	6.9	7.2	8.6
	12H	8.8	9.1	9.9	10.2	11.7	6.5	6.7	7.6	7.8	9.3
12H	4H	7.9	8.2	9.0	9.3	10.8	4.8	5.2	5.9	6.3	7.7
	6H	8.2	8.5	9.3	9.6	11.1	5.4	5.7	6.5	6.8	8.3
	8H	8.5	8.7	9.6	9.8	11.4	5.9	6.2	7.1	7.3	8.8

Maximum UGR = 11.7

POLAR GRAPH



Maximum Candela = 521.923 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.)