



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO SS 30 70
 [TESTLAB] Dekko
 [TESTDATE] 03-31-2017
 [ISSUE DATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-4-LED-3070-FB-SS-35
 [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	1639
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	40.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.20
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	1679	1449	1343
55	1284	916	708
65	699	356	203
75	166	65	41
85	0	18	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-SS-35.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	620.626	620.626	620.626	620.626	620.626	620.626	620.626	620.626	620.626	620.626
10	607.647	605.421	604.750	604.598	603.012	601.270	599.551	597.786	597.057	595.996
20	564.699	563.914	560.956	556.540	551.188	543.079	539.129	536.044	534.686	534.101
30	491.731	490.984	483.425	472.864	465.091	461.581	459.418	458.562	456.564	456.869
40	392.201	389.111	375.283	362.801	355.956	351.838	349.545	347.365	345.886	345.098
50	270.124	264.423	247.499	234.152	223.072	212.305	198.728	191.190	186.433	184.775
60	140.880	135.726	118.053	102.223	84.740	65.923	53.433	46.763	43.101	41.887
70	24.028	23.538	19.726	11.524	9.155	8.298	7.367	6.572	6.158	5.931
80	0.000	0.204	0.457	0.593	0.690	0.510	0.292	0.096	0.000	0.000
90	0.000	0.180	0.338	0.433	0.384	0.160	0.000	0.000	0.000	0.000
100	29.793	24.384	22.645	33.111	26.475	27.463	24.708	20.737	16.121	13.915
110	80.264	75.602	67.264	63.207	62.686	67.880	61.775	58.283	50.500	48.850
120	110.651	108.311	102.219	95.511	88.382	84.948	81.823	77.294	72.783	73.351
130	124.318	123.914	122.416	117.023	112.611	109.102	101.209	96.234	94.882	94.910
140	132.807	134.867	134.481	131.368	125.650	117.246	114.875	114.128	114.021	114.097
150	131.196	131.123	129.819	129.693	127.293	127.176	127.268	127.143	127.423	127.538
160	131.424	131.770	134.660	135.240	135.293	135.434	135.593	135.990	136.366	136.676
170	136.957	136.909	137.735	139.301	140.935	141.283	141.691	141.474	141.377	141.141
180	139.343	139.343	139.343	139.343	139.343	139.343	139.343	139.343	139.343	139.343

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-SS-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	221.34	N.A.	13.50
0-30	456.82	N.A.	27.90
0-40	717.50	N.A.	43.80
0-60	1078.49	N.A.	65.80
0-80	1131.77	N.A.	69.00
0-90	1132.03	N.A.	69.10
10-90	1073.69	N.A.	65.50
20-40	496.16	N.A.	30.30
20-50	721.26	N.A.	44.00
40-70	407.79	N.A.	24.90
60-80	53.27	N.A.	3.20
70-80	6.47	N.A.	0.40
80-90	0.26	N.A.	0.00
90-110	59.66	N.A.	3.60
90-120	135.49	N.A.	8.30
90-130	224.72	N.A.	13.70
90-150	394.04	N.A.	24.00
90-180	507.30	N.A.	30.90
110-180	447.64	N.A.	27.30
0-180	1639.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.34
10-20	163.00
20-30	235.49
30-40	260.68
40-50	225.09
50-60	135.90
60-70	46.80
70-80	6.47
80-90	0.26
90-100	13.27
100-110	46.39
110-120	75.83
120-130	89.23
130-140	90.23
140-150	79.10
150-160	60.96
160-170	38.96
170-180	13.33

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-SS-35.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	112	112	112	112	106	106	106	106	94	94	94	83	83	83	74	74	74	69
1	104	100	97	94	98	95	92	90	85	83	81	76	75	73	68	67	66	62
2	96	90	84	80	91	85	81	77	77	73	70	69	66	64	62	60	58	55
3	89	80	74	69	84	77	71	66	69	65	61	63	59	56	57	54	52	48
4	82	72	65	59	78	69	62	57	63	58	53	57	53	50	52	48	46	43
5	76	65	58	52	72	62	56	50	57	51	47	52	47	44	47	44	41	38
6	70	59	52	46	67	57	50	45	52	46	42	47	43	39	43	40	37	34
7	66	54	46	41	62	52	45	40	47	42	38	44	39	35	40	36	33	31
8	61	49	42	37	58	47	41	36	44	38	34	40	35	32	37	33	30	28
9	57	45	38	33	54	44	37	32	40	35	31	37	32	29	34	30	27	25
10	54	42	35	30	51	40	34	30	37	32	28	35	30	27	32	28	25	23

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-SS-35.IES

UGR TABLE - CORRECTED

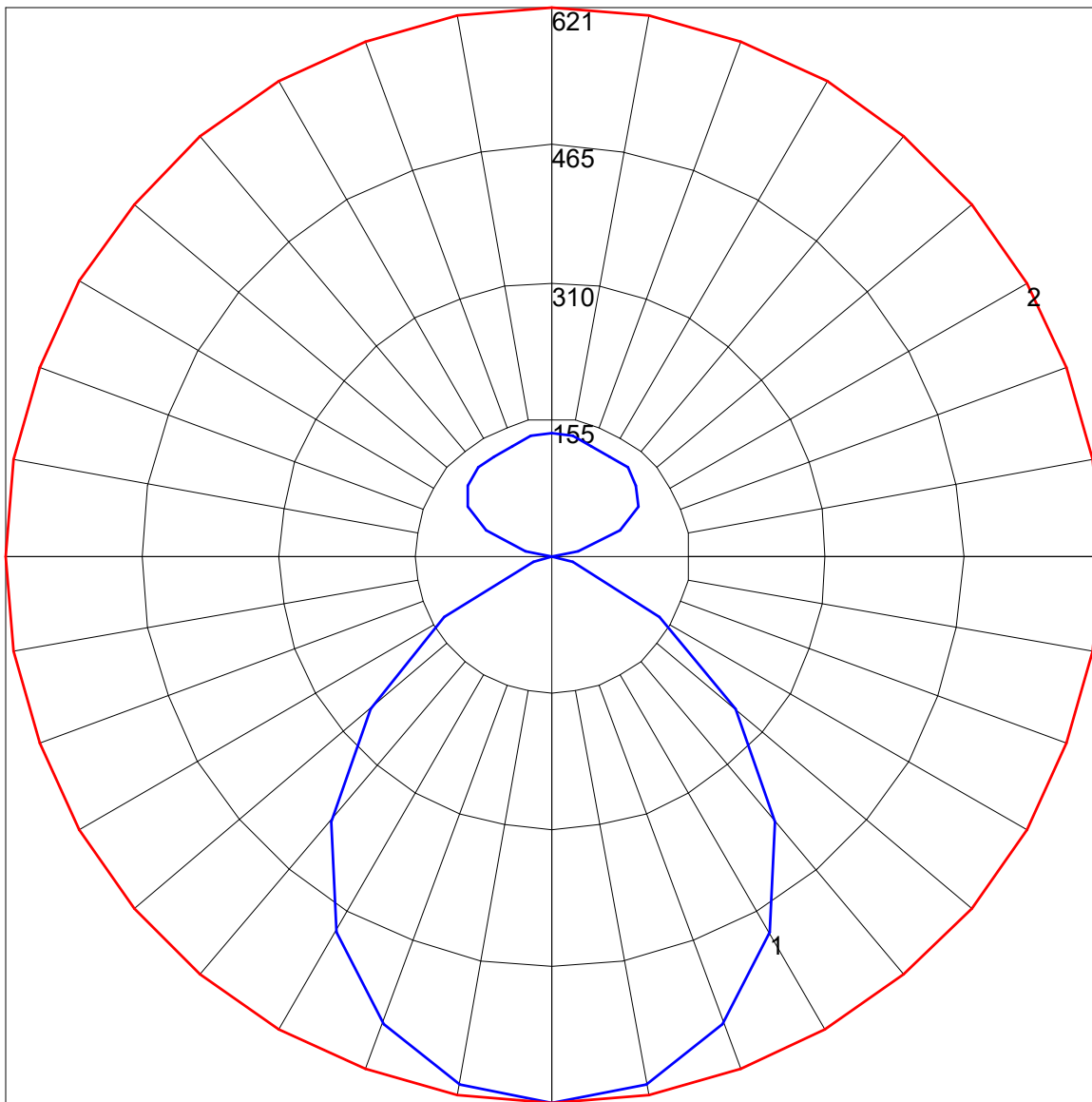
Reflectances

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	10.4	10.2	11.2	12.2	5.0	5.9	5.8	6.7	7.7
	3H	9.7	10.5	10.5	11.3	12.4	5.0	5.8	5.8	6.6	7.6
	4H	9.7	10.4	10.5	11.3	12.3	4.9	5.7	5.7	6.5	7.5
	6H	9.6	10.3	10.4	11.1	12.2	4.8	5.5	5.7	6.3	7.4
	8H	9.5	10.2	10.4	11.0	12.1	4.8	5.4	5.6	6.3	7.3
	12H	9.5	10.1	10.3	11.0	12.0	4.7	5.3	5.6	6.2	7.2
4H	2H	9.3	10.1	10.2	10.9	11.9	5.2	6.0	6.0	6.8	7.8
	3H	9.6	10.2	10.4	11.1	12.1	5.2	5.8	6.0	6.7	7.7
	4H	9.5	10.1	10.4	11.0	12.0	5.1	5.7	6.0	6.5	7.6
	6H	9.5	9.9	10.3	10.8	11.9	5.0	5.5	5.9	6.4	7.5
	8H	9.4	9.9	10.3	10.7	11.8	5.0	5.4	5.8	6.3	7.4
	12H	9.4	9.7	10.2	10.6	11.7	4.9	5.3	5.8	6.2	7.3
8H	4H	9.4	9.8	10.3	10.7	11.8	5.0	5.4	5.9	6.3	7.4
	6H	9.3	9.7	10.2	10.6	11.7	4.9	5.2	5.8	6.2	7.2
	8H	9.2	9.6	10.2	10.5	11.6	4.8	5.1	5.7	6.1	7.2
	12H	9.2	9.5	10.1	10.4	11.5	4.8	5.0	5.7	5.9	7.1
12H	4H	9.3	9.7	10.2	10.6	11.7	4.9	5.3	5.8	6.2	7.3
	6H	9.2	9.6	10.2	10.5	11.6	4.8	5.1	5.7	6.0	7.2
	8H	9.2	9.5	10.1	10.4	11.5	4.8	5.0	5.7	5.9	7.1

Maximum UGR = 12.4

POLAR GRAPH



Maximum Candela = 620.626 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.)