



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-SS-30.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-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	1590
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
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	1628	1405	1303
55	1246	888	687
65	678	346	197
75	161	63	40
85	0	17	0

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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	602.014	602.014	602.014	602.014	602.014	602.014	602.014	602.014	602.014	602.014
10	589.424	587.265	586.614	586.466	584.928	583.239	581.570	579.858	579.151	578.122
20	547.764	547.003	544.133	539.849	534.658	526.792	522.961	519.968	518.651	518.083
30	476.985	476.259	468.927	458.683	451.143	447.739	445.641	444.810	442.872	443.168
40	380.439	377.442	364.028	351.920	345.281	341.286	339.062	336.947	335.513	334.748
50	262.023	256.494	240.076	227.130	216.382	205.938	192.769	185.457	180.842	179.233
60	136.655	131.656	114.513	99.158	82.198	63.946	51.830	45.361	41.809	40.631
70	23.307	22.832	19.135	11.179	8.881	8.049	7.146	6.375	5.973	5.753
80	0.000	0.198	0.443	0.575	0.670	0.495	0.283	0.093	0.000	0.000
90	0.000	0.175	0.327	0.420	0.373	0.155	0.000	0.000	0.000	0.000
100	28.900	23.652	21.966	32.118	25.681	26.639	23.967	20.115	15.637	13.498
110	77.856	73.335	65.247	61.311	60.807	65.845	59.923	56.535	48.985	47.385
120	107.332	105.062	99.153	92.647	85.732	82.400	79.369	74.976	70.600	71.152
130	120.589	120.198	118.745	113.514	109.234	105.830	98.174	93.348	92.036	92.064
140	128.824	130.822	130.448	127.428	121.882	113.730	111.430	110.705	110.601	110.675
150	127.261	127.191	125.926	125.803	123.476	123.362	123.451	123.330	123.602	123.713
160	127.483	127.819	130.622	131.185	131.235	131.372	131.527	131.911	132.276	132.577
170	132.850	132.804	133.605	135.123	136.709	137.046	137.442	137.231	137.137	136.908
180	135.164	135.164	135.164	135.164	135.164	135.164	135.164	135.164	135.164	135.164

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	214.70	N.A.	13.50
0-30	443.12	N.A.	27.90
0-40	695.98	N.A.	43.80
0-60	1046.15	N.A.	65.80
0-80	1097.82	N.A.	69.00
0-90	1098.08	N.A.	69.10
10-90	1041.49	N.A.	65.50
20-40	481.28	N.A.	30.30
20-50	699.63	N.A.	44.00
40-70	395.56	N.A.	24.90
60-80	51.68	N.A.	3.20
70-80	6.28	N.A.	0.40
80-90	0.26	N.A.	0.00
90-110	57.87	N.A.	3.60
90-120	131.42	N.A.	8.30
90-130	217.98	N.A.	13.70
90-150	382.23	N.A.	24.00
90-180	492.08	N.A.	30.90
110-180	434.21	N.A.	27.30
0-180	1590.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.59
10-20	158.11
20-30	228.43
30-40	252.86
40-50	218.34
50-60	131.82
60-70	45.40
70-80	6.28
80-90	0.26
90-100	12.88
100-110	45.00
110-120	73.55
120-130	86.56
130-140	87.52
140-150	76.72
150-160	59.13
160-170	37.79
170-180	12.93

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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	112	112	112	112	105	105	105	105	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	80	76	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

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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

X=2H	Y=2H	9.3	10.3	10.1	11.1	12.1	4.9	5.8	5.7	6.6	7.6
	3H	9.6	10.4	10.4	11.2	12.3	4.9	5.7	5.7	6.5	7.5
	4H	9.6	10.3	10.4	11.2	12.2	4.8	5.6	5.6	6.4	7.4
	6H	9.5	10.2	10.3	11.0	12.1	4.7	5.4	5.6	6.2	7.3
	8H	9.4	10.1	10.3	10.9	12.0	4.7	5.3	5.5	6.2	7.2
	12H	9.4	10.0	10.2	10.9	11.9	4.6	5.2	5.5	6.1	7.1

UGR Viewed Endwise

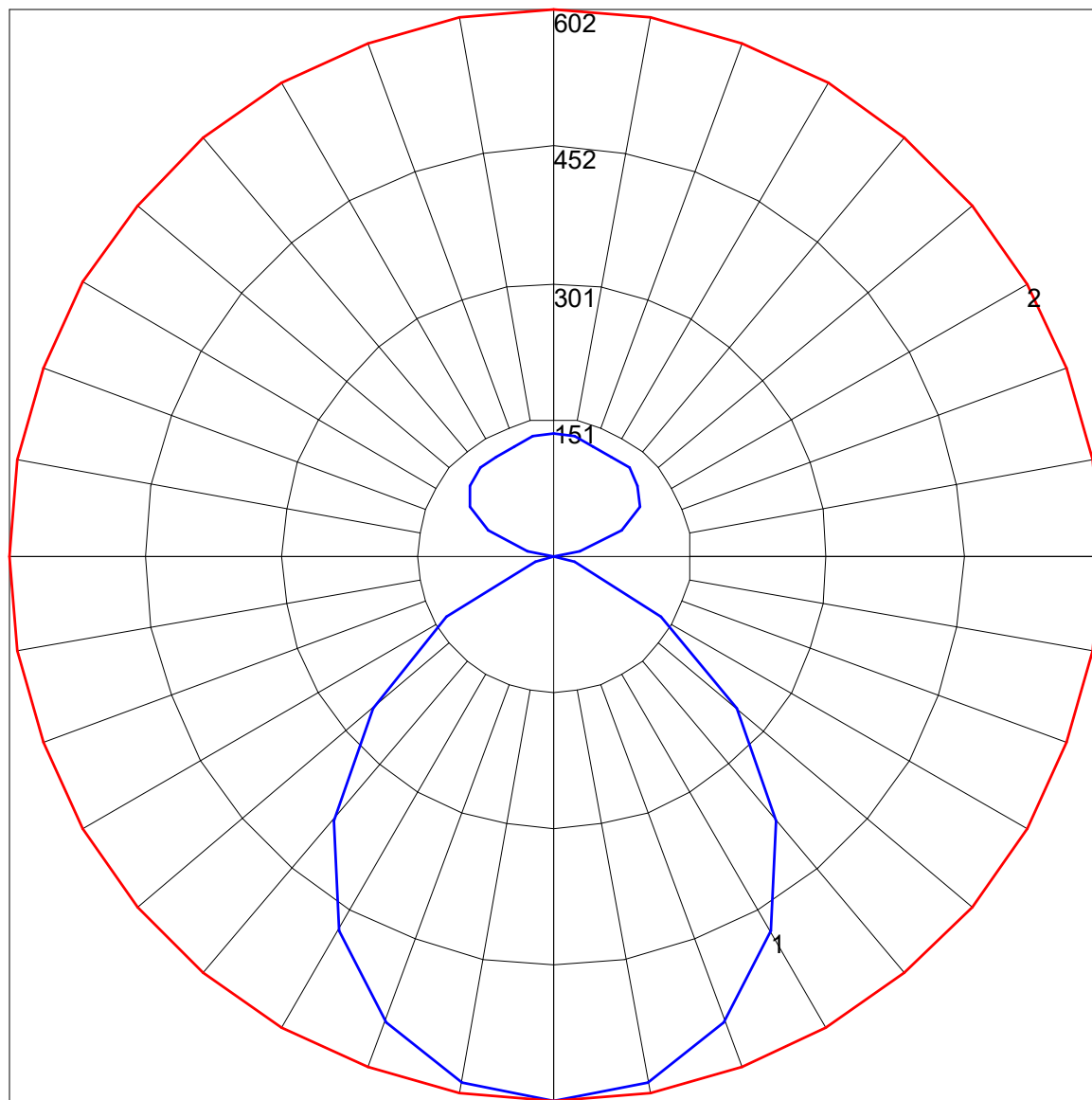
4H	2H	9.2	10.0	10.1	10.8	11.8	5.1	5.9	5.9	6.7	7.7
	3H	9.5	10.1	10.3	11.0	12.0	5.1	5.7	5.9	6.6	7.6
	4H	9.4	10.0	10.3	10.9	11.9	5.0	5.6	5.9	6.4	7.5
	6H	9.4	9.8	10.2	10.7	11.8	4.9	5.4	5.8	6.3	7.4
	8H	9.3	9.8	10.2	10.6	11.7	4.9	5.3	5.7	6.2	7.3
	12H	9.3	9.6	10.1	10.5	11.6	4.8	5.2	5.7	6.1	7.2

8H	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	10.1	10.5	11.6	4.8	5.1	5.7	6.1	7.1
	8H	9.1	9.5	10.1	10.4	11.5	4.7	5.0	5.6	6.0	7.1
	12H	9.1	9.4	10.0	10.3	11.4	4.7	4.9	5.6	5.8	7.0

12H	4H	9.2	9.6	10.1	10.5	11.6	4.8	5.2	5.7	6.1	7.2
	6H	9.1	9.5	10.1	10.4	11.5	4.7	5.0	5.6	5.9	7.1
	8H	9.1	9.4	10.0	10.3	11.4	4.7	4.9	5.6	5.8	7.0

Maximum UGR = 12.3

POLAR GRAPH



Maximum Candela = 602.014 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.)