



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-SS-40.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-40
[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	1695
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
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	1736	1498	1389
55	1328	947	732
65	723	369	210
75	172	67	42
85	0	19	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	641.806	641.806	641.806	641.806	641.806	641.806	641.806	641.806	641.806	641.806
10	628.384	626.082	625.388	625.231	623.590	621.790	620.011	618.186	617.432	616.335
20	583.970	583.158	580.100	575.532	569.998	561.612	557.528	554.337	552.933	552.327
30	508.512	507.739	499.922	489.001	480.963	477.333	475.097	474.211	472.145	472.460
40	405.585	402.390	388.090	375.182	368.104	363.844	361.474	359.219	357.690	356.875
50	279.342	273.447	255.945	242.143	230.684	219.550	205.510	197.715	192.795	191.080
60	145.688	140.358	122.082	105.712	87.632	68.173	55.256	48.359	44.572	43.317
70	24.848	24.341	20.399	11.918	9.468	8.581	7.619	6.796	6.368	6.133
80	0.000	0.211	0.472	0.613	0.714	0.527	0.302	0.099	0.000	0.000
90	0.000	0.187	0.349	0.447	0.397	0.166	0.000	0.000	0.000	0.000
100	30.810	25.216	23.418	34.240	27.378	28.400	25.551	21.445	16.671	14.390
110	83.003	78.182	69.560	65.364	64.826	70.197	63.884	60.272	52.223	50.517
120	114.427	112.007	105.707	98.770	91.398	87.847	84.615	79.931	75.267	75.855
130	128.560	128.143	126.594	121.017	116.454	112.826	104.663	99.519	98.120	98.149
140	137.339	139.469	139.070	135.851	129.938	121.247	118.795	118.023	117.912	117.990
150	135.673	135.598	134.250	134.119	131.637	131.516	131.611	131.482	131.771	131.891
160	135.909	136.267	139.256	139.856	139.910	140.056	140.221	140.630	141.019	141.340
170	141.631	141.582	142.436	144.055	145.745	146.105	146.526	146.301	146.201	145.957
180	144.098	144.098	144.098	144.098	144.098	144.098	144.098	144.098	144.098	144.098

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	228.89	N.A.	13.50
0-30	472.41	N.A.	27.90
0-40	741.98	N.A.	43.80
0-60	1115.3	N.A.	65.80
0-80	1170.39	N.A.	69.00
0-90	1170.66	N.A.	69.10
10-90	1110.33	N.A.	65.50
20-40	513.10	N.A.	30.30
20-50	745.87	N.A.	44.00
40-70	421.71	N.A.	24.90
60-80	55.09	N.A.	3.20
70-80	6.70	N.A.	0.40
80-90	0.27	N.A.	0.00
90-110	61.70	N.A.	3.60
90-120	140.11	N.A.	8.30
90-130	232.39	N.A.	13.70
90-150	407.49	N.A.	24.00
90-180	524.61	N.A.	30.90
110-180	462.91	N.A.	27.30
0-180	1695.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.33
10-20	168.56
20-30	243.52
30-40	269.57
40-50	232.77
50-60	140.54
60-70	48.40
70-80	6.70
80-90	0.27
90-100	13.73
100-110	47.97
110-120	78.41
120-130	92.28
130-140	93.31
140-150	81.80
150-160	63.04
160-170	40.29
170-180	13.79

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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	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

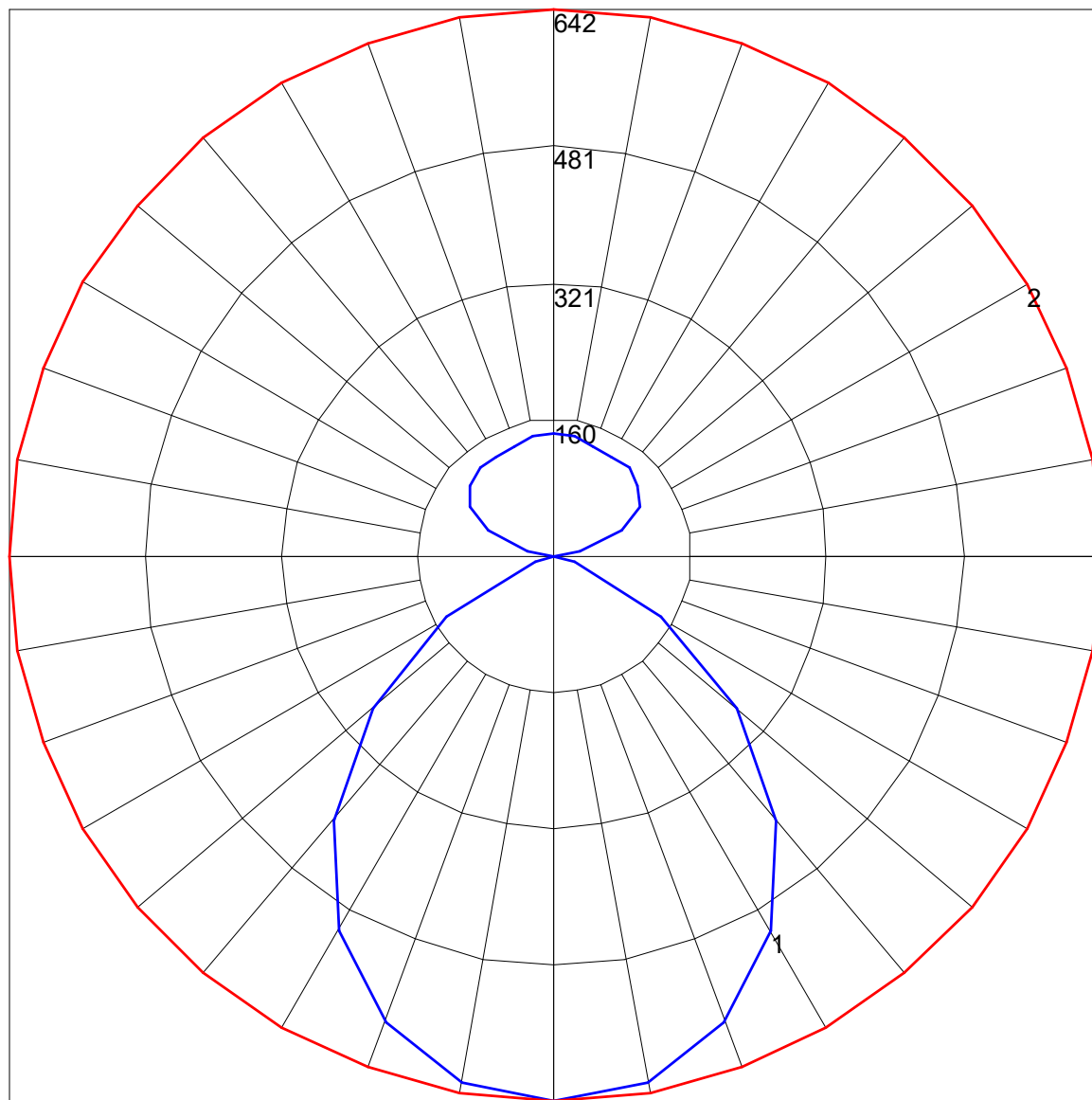
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UGR TABLE - CORRECTED

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	9.6	10.5	10.4	11.3	12.3	5.1	6.1	5.9	6.9	7.8
	3H	9.8	10.6	10.6	11.4	12.5	5.1	5.9	5.9	6.7	7.7
	4H	9.8	10.5	10.6	11.4	12.4	5.0	5.8	5.8	6.6	7.6
	6H	9.7	10.4	10.5	11.2	12.3	4.9	5.6	5.8	6.5	7.5
	8H	9.6	10.3	10.5	11.2	12.2	4.9	5.5	5.7	6.4	7.4
	12H	9.6	10.2	10.4	11.1	12.1	4.8	5.4	5.7	6.3	7.3
4H	2H	9.4	10.2	10.3	11.0	12.0	5.3	6.1	6.1	6.9	7.9
	3H	9.7	10.3	10.5	11.2	12.2	5.3	5.9	6.1	6.8	7.8
	4H	9.6	10.2	10.5	11.1	12.1	5.2	5.8	6.1	6.6	7.7
	6H	9.6	10.1	10.4	10.9	12.0	5.1	5.6	6.0	6.5	7.6
	8H	9.5	10.0	10.4	10.8	11.9	5.1	5.5	5.9	6.4	7.5
	12H	9.5	9.8	10.3	10.7	11.8	5.0	5.4	5.9	6.3	7.4
8H	4H	9.5	10.0	10.4	10.8	11.9	5.1	5.5	6.0	6.4	7.5
	6H	9.4	9.8	10.3	10.7	11.8	5.0	5.3	5.9	6.3	7.3
	8H	9.3	9.7	10.3	10.6	11.7	4.9	5.2	5.8	6.2	7.3
	12H	9.3	9.6	10.2	10.5	11.6	4.9	5.1	5.8	6.0	7.2
12H	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	10.3	10.6	11.7	4.9	5.2	5.8	6.1	7.3
	8H	9.3	9.6	10.2	10.5	11.6	4.9	5.2	5.8	6.0	7.2

Maximum UGR = 12.5

POLAR GRAPH



Maximum Candela = 641.806 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.)