



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-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-8-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	3391
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	81.2
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)	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	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	1283.611	1283.611	1283.611	1283.611	1283.611	1283.611	1283.611	1283.611	1283.611	1283.611
10	1256.767	1252.164	1250.776	1250.461	1247.181	1243.579	1240.022	1236.372	1234.864	1232.670
20	1167.939	1166.317	1160.199	1151.064	1139.995	1123.224	1115.055	1108.675	1105.866	1104.655
30	1017.025	1015.479	999.845	978.002	961.925	954.666	950.193	948.422	944.290	944.920
40	811.170	804.780	776.179	750.363	736.207	727.689	722.947	718.438	715.380	713.749
50	558.685	546.894	511.890	484.286	461.369	439.101	411.021	395.430	385.591	382.160
60	291.375	280.716	244.164	211.424	175.263	136.345	110.512	96.718	89.144	86.634
70	49.695	48.682	40.799	23.835	18.936	17.161	15.237	13.593	12.737	12.267
80	0.000	0.421	0.945	1.226	1.428	1.055	0.603	0.198	0.000	0.000
90	0.000	0.373	0.698	0.895	0.795	0.332	0.000	0.000	0.000	0.000
100	61.620	50.431	46.836	68.481	54.756	56.801	51.103	42.890	33.342	28.780
110	166.005	156.364	139.119	130.728	129.651	140.394	127.767	120.543	104.447	101.035
120	228.853	224.014	211.414	197.541	182.797	175.693	169.231	159.863	150.533	151.709
130	257.120	256.286	253.187	242.033	232.908	225.651	209.326	199.037	196.240	196.298
140	274.678	278.938	278.140	271.701	259.876	242.495	237.590	236.046	235.824	235.981
150	271.346	271.196	268.499	268.238	263.275	263.031	263.221	262.965	263.543	263.781
160	271.818	272.534	278.512	279.711	279.820	280.111	280.441	281.261	282.039	282.680
170	283.262	283.163	284.871	288.110	291.490	292.210	293.053	292.603	292.403	291.915
180	288.196	288.196	288.196	288.196	288.196	288.196	288.196	288.196	288.196	288.196

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	457.78	N.A.	13.50
0-30	944.83	N.A.	27.90
0-40	1483.97	N.A.	43.80
0-60	2230.59	N.A.	65.80
0-80	2340.78	N.A.	69.00
0-90	2341.32	N.A.	69.10
10-90	2220.66	N.A.	65.50
20-40	1026.19	N.A.	30.30
20-50	1491.74	N.A.	44.00
40-70	843.42	N.A.	24.90
60-80	110.18	N.A.	3.20
70-80	13.39	N.A.	0.40
80-90	0.54	N.A.	0.00
90-110	123.39	N.A.	3.60
90-120	280.22	N.A.	8.30
90-130	464.77	N.A.	13.70
90-150	814.98	N.A.	24.00
90-180	1049.22	N.A.	30.90
110-180	925.83	N.A.	27.30
0-180	3390.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	120.66
10-20	337.12
20-30	487.05
30-40	539.14
40-50	465.55
50-60	281.08
60-70	96.79
70-80	13.39
80-90	0.54
90-100	27.45
100-110	95.94
110-120	156.83
120-130	184.55
130-140	186.61
140-150	163.59
150-160	126.08
160-170	80.59
170-180	27.57

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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	68	84	76	71	66	69	65	61	63	59	56	56	54	52	48
4	82	72	65	59	78	69	62	57	63	57	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	34	30	27	32	28	25	23

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UGR TABLE - CORRECTED

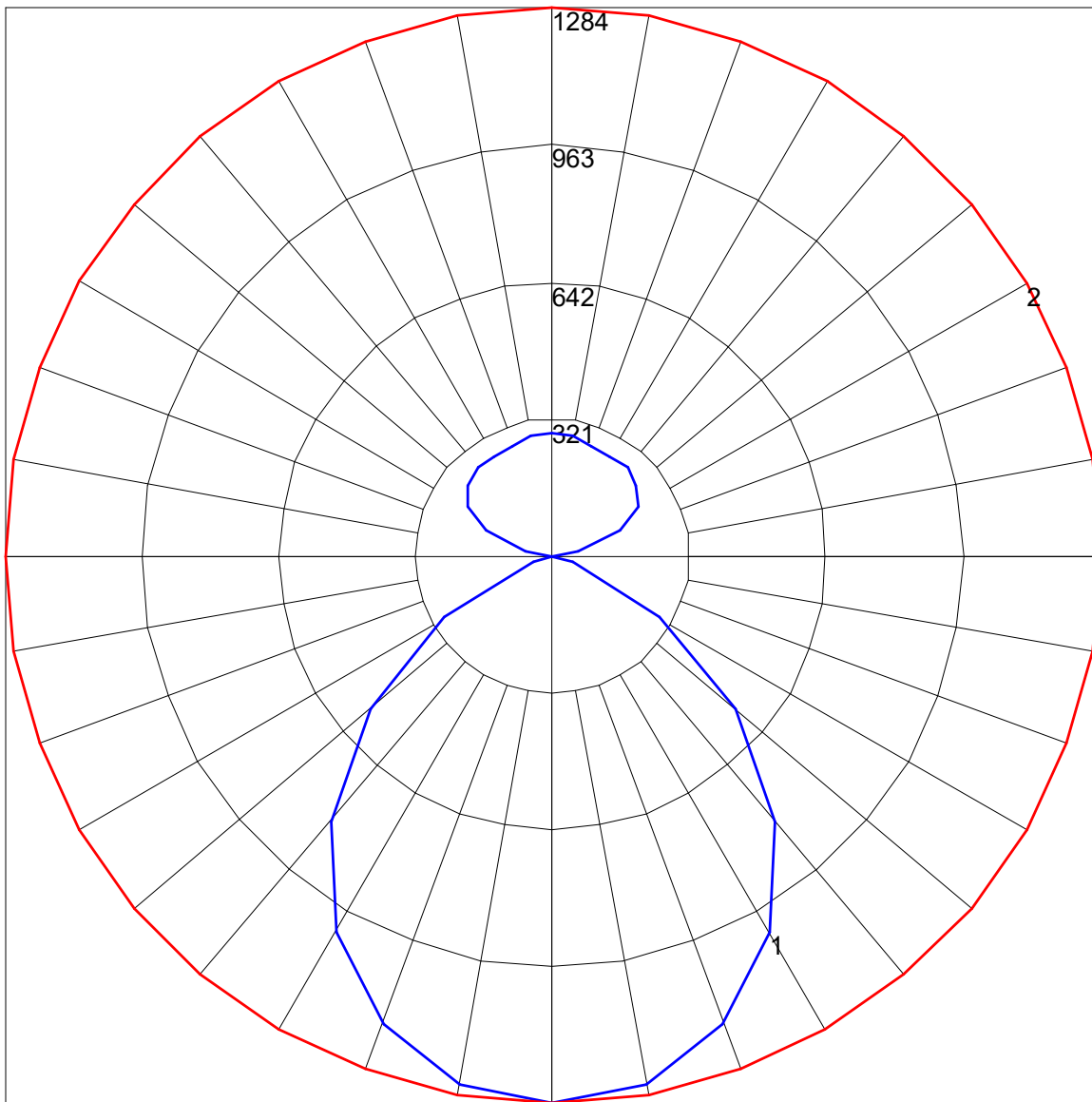
Reflectances

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	9.5	10.5	10.3	11.3	12.3	5.1	6.0	5.9	6.8	7.8
	3H	9.8	10.6	10.6	11.4	12.4	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	12.2	4.9	5.6	5.7	6.4	7.5
	8H	9.6	10.3	10.5	11.1	12.2	4.9	5.5	5.7	6.4	7.4
	12H	9.6	10.2	10.4	11.0	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	6.0	6.6	7.7
	6H	9.6	10.0	10.4	10.9	12.0	5.1	5.6	6.0	6.5	7.5
	8H	9.5	10.0	10.4	10.8	11.9	5.1	5.5	5.9	6.4	7.5
	12H	9.4	9.8	10.3	10.7	11.8	5.0	5.4	5.9	6.3	7.4
8H	4H	9.5	9.9	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	6.1	7.2
	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	10.2	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	5.1	5.8	6.0	7.2

Maximum UGR = 12.4

POLAR GRAPH



Maximum Candela = 1283.611 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.)