



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-SS-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 HO SS 50 50
[TESTLAB] Dekko
[TESTDATE] 03-31-2017
[ISSUE DATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-8-LED-5050-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	4048
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	81.2
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)	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	1588	1367	1199
55	1298	937	641
65	869	431	199
75	382	124	68
85	94	143	97

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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	1094.196	1094.196	1094.196	1094.196	1094.196	1094.196	1094.196	1094.196	1094.196	1094.196
10	1078.908	1078.284	1076.929	1073.402	1070.852	1067.044	1061.930	1057.169	1052.939	1049.272
20	1011.567	1010.842	1008.403	1000.307	989.179	975.963	965.999	958.326	951.247	945.977
30	891.603	889.278	877.987	859.297	845.767	838.047	829.471	821.398	811.802	806.003
40	727.308	722.601	698.915	674.927	659.289	649.088	642.556	635.932	623.635	613.605
50	525.500	516.667	486.366	459.236	435.764	413.283	387.961	367.282	347.582	332.404
60	305.053	296.227	264.912	229.885	195.174	155.244	120.075	99.262	87.141	78.015
70	104.994	95.763	75.090	48.907	30.918	25.532	21.664	18.821	16.477	15.663
80	5.274	6.296	7.279	7.618	7.709	7.531	7.037	6.120	4.597	3.908
90	3.833	4.376	5.404	6.470	6.210	6.281	5.909	5.304	4.888	5.510
100	122.183	126.934	122.479	123.531	99.084	88.624	75.774	71.846	65.404	63.172
110	309.130	317.650	314.432	306.081	277.010	253.373	235.595	214.110	189.850	183.976
120	383.284	446.572	436.678	406.382	391.977	362.942	320.815	290.353	281.967	283.181
130	432.465	556.657	419.937	502.687	416.580	395.906	363.166	356.949	356.522	357.796
140	446.391	470.695	483.886	425.302	424.842	418.026	418.939	418.682	419.104	419.245
150	434.373	437.064	444.773	449.113	455.387	459.853	462.496	463.199	463.159	465.754
160	465.465	465.729	471.331	477.007	480.431	483.439	485.622	487.437	488.163	490.197
170	484.797	483.433	485.091	488.482	490.295	491.858	492.684	494.628	494.856	498.388
180	489.004	489.004	489.004	489.004	489.004	489.004	489.004	489.004	489.004	489.004

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	393.57	N.A.	9.70
0-30	816.86	N.A.	20.20
0-40	1291.47	N.A.	31.90
0-60	1987.26	N.A.	49.10
0-80	2125.95	N.A.	52.50
0-90	2132.51	N.A.	52.70
10-90	2029.36	N.A.	50.10
20-40	897.90	N.A.	22.20
20-50	1320.42	N.A.	32.60
40-70	807.89	N.A.	20.00
60-80	138.69	N.A.	3.40
70-80	26.58	N.A.	0.70
80-90	6.56	N.A.	0.20
90-110	244.82	N.A.	6.00
90-120	555.05	N.A.	13.70
90-130	905.66	N.A.	22.40
90-150	1515.02	N.A.	37.40
90-180	1915.3	N.A.	47.30
110-180	1670.48	N.A.	41.30
0-180	4047.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.15
10-20	290.42
20-30	423.29
30-40	474.61
40-50	422.52
50-60	273.26
60-70	112.11
70-80	26.58
80-90	6.56
90-100	55.51
100-110	189.31
110-120	310.22
120-130	350.61
130-140	330.25
140-150	279.11
150-160	216.06
160-170	137.48
170-180	46.74

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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	100	96	92	89	92	89	86	83	76	74	72	64	63	62	54	53	52	47
2	92	85	79	75	85	79	74	70	68	65	62	58	56	53	49	47	45	41
3	84	76	69	64	78	71	65	60	61	57	53	52	49	46	44	42	40	36
4	78	68	60	55	72	63	57	52	55	50	46	47	44	41	40	37	35	32
5	72	61	53	47	66	57	50	45	50	44	40	43	39	36	36	34	31	28
6	66	55	47	42	61	51	45	40	45	40	36	39	35	32	33	30	28	25
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20
9	53	42	34	29	50	39	33	28	35	29	26	30	26	23	26	23	21	19
10	50	38	31	27	46	36	30	26	32	27	23	28	24	21	24	21	19	17

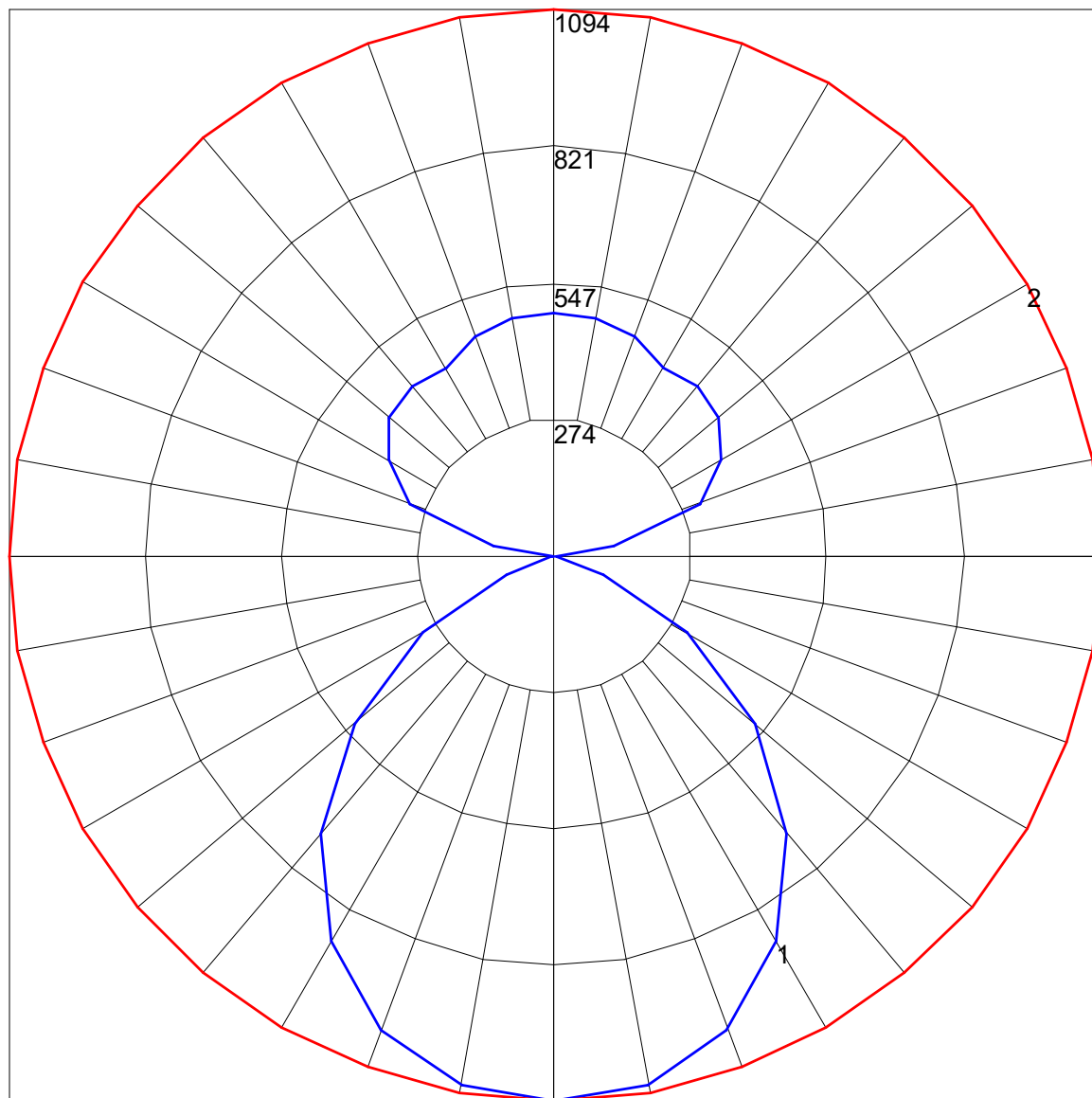
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UGR TABLE - CORRECTED

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	8.7	9.5	9.6	10.4	11.7	4.8	4.8	4.8	5.5	6.8
	3H	9.3	10.0	10.3	11.0	12.3	4.8	4.8	4.8	5.5	6.7
	4H	9.4	10.1	10.4	11.1	12.3	4.8	4.8	4.8	5.4	6.6
	6H	9.4	10.0	10.4	11.0	12.2	4.8	4.8	4.8	5.2	6.5
	8H	9.3	9.9	10.3	10.9	12.2	4.8	4.8	4.8	5.2	6.5
	12H	9.3	9.8	10.3	10.8	12.1	4.8	4.8	4.8	5.1	6.4
4H	2H	8.5	9.2	9.5	10.2	11.5	4.8	4.8	5.1	5.8	7.1
	3H	9.2	9.8	10.2	10.8	12.1	4.8	4.8	5.2	5.7	7.0
	4H	9.4	9.9	10.3	10.9	12.2	4.8	4.8	5.1	5.6	6.9
	6H	9.3	9.8	10.3	10.8	12.1	4.8	4.8	5.1	5.5	6.8
	8H	9.3	9.7	10.3	10.7	12.0	4.8	4.8	5.0	5.4	6.7
	12H	9.2	9.6	10.2	10.6	11.9	4.8	4.8	5.0	5.4	6.7
8H	4H	9.2	9.6	10.2	10.6	11.9	4.8	4.8	5.1	5.5	6.8
	6H	9.2	9.5	10.2	10.6	11.9	4.8	4.8	5.1	5.4	6.7
	8H	9.1	9.4	10.2	10.5	11.8	4.8	4.8	5.1	5.3	6.7
	12H	9.1	9.4	10.1	10.4	11.8	4.8	4.8	5.0	5.3	6.7
12H	4H	9.2	9.5	10.2	10.5	11.9	4.8	4.8	5.0	5.4	6.7
	6H	9.1	9.4	10.2	10.4	11.8	4.8	4.8	5.0	5.3	6.7
	8H	9.1	9.3	10.1	10.4	11.7	4.8	4.8	5.0	5.3	6.6

Maximum UGR = 12.3

POLAR GRAPH



Maximum Candela = 1094.196 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.)