



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-5050-FB-SS-35.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-4-LED-5050-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	2086
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	40.6
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)	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	1637	1409	1236
55	1338	966	661
65	896	445	205
75	394	128	70
85	97	147	100

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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	564.012	564.012	564.012	564.012	564.012	564.012	564.012	564.012	564.012	564.012
10	556.132	555.811	555.112	553.294	551.980	550.017	547.381	544.927	542.746	540.856
20	521.421	521.047	519.790	515.616	509.880	503.068	497.932	493.977	490.328	487.612
30	459.584	458.386	452.566	442.932	435.958	431.979	427.558	423.397	418.450	415.461
40	374.897	372.471	360.262	347.897	339.836	334.578	331.211	327.796	321.458	316.288
50	270.873	266.320	250.702	236.717	224.618	213.030	199.978	189.318	179.164	171.340
60	157.242	152.693	136.551	118.496	100.604	80.022	61.894	51.165	44.918	40.214
70	54.120	49.362	38.706	25.209	15.937	13.160	11.167	9.702	8.493	8.074
80	2.719	3.245	3.752	3.927	3.974	3.882	3.627	3.154	2.370	2.015
90	1.976	2.255	2.785	3.335	3.201	3.237	3.046	2.734	2.520	2.840
100	62.980	65.429	63.133	63.675	51.073	45.682	39.058	37.033	33.713	32.563
110	159.344	163.735	162.077	157.772	142.787	130.603	121.440	110.365	97.860	94.832
120	197.567	230.189	225.090	209.473	202.048	187.082	165.367	149.665	145.342	145.968
130	222.918	286.933	216.460	259.114	214.730	204.073	187.197	183.992	183.773	184.429
140	230.096	242.624	249.423	219.225	218.989	215.475	215.945	215.813	216.031	216.103
150	223.901	225.289	229.262	231.499	234.733	237.035	238.397	238.760	238.739	240.077
160	239.928	240.064	242.952	245.877	247.642	249.193	250.318	251.253	251.628	252.676
170	249.893	249.190	250.044	251.792	252.727	253.532	253.958	254.960	255.078	256.898
180	252.061	252.061	252.061	252.061	252.061	252.061	252.061	252.061	252.061	252.061

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	202.87	N.A.	9.70
0-30	421.06	N.A.	20.20
0-40	665.70	N.A.	31.90
0-60	1024.35	N.A.	49.10
0-80	1095.84	N.A.	52.50
0-90	1099.22	N.A.	52.70
10-90	1046.05	N.A.	50.10
20-40	462.83	N.A.	22.20
20-50	680.62	N.A.	32.60
40-70	416.44	N.A.	20.00
60-80	71.49	N.A.	3.40
70-80	13.70	N.A.	0.70
80-90	3.38	N.A.	0.20
90-110	126.20	N.A.	6.00
90-120	286.10	N.A.	13.70
90-130	466.83	N.A.	22.40
90-150	780.93	N.A.	37.40
90-180	987.26	N.A.	47.30
110-180	861.06	N.A.	41.30
0-180	2086.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.17
10-20	149.70
20-30	218.19
30-40	244.64
40-50	217.79
50-60	140.86
60-70	57.79
70-80	13.70
80-90	3.38
90-100	28.62
100-110	97.58
110-120	159.91
120-130	180.73
130-140	170.23
140-150	143.87
150-160	111.37
160-170	70.87
170-180	24.09

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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	65	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

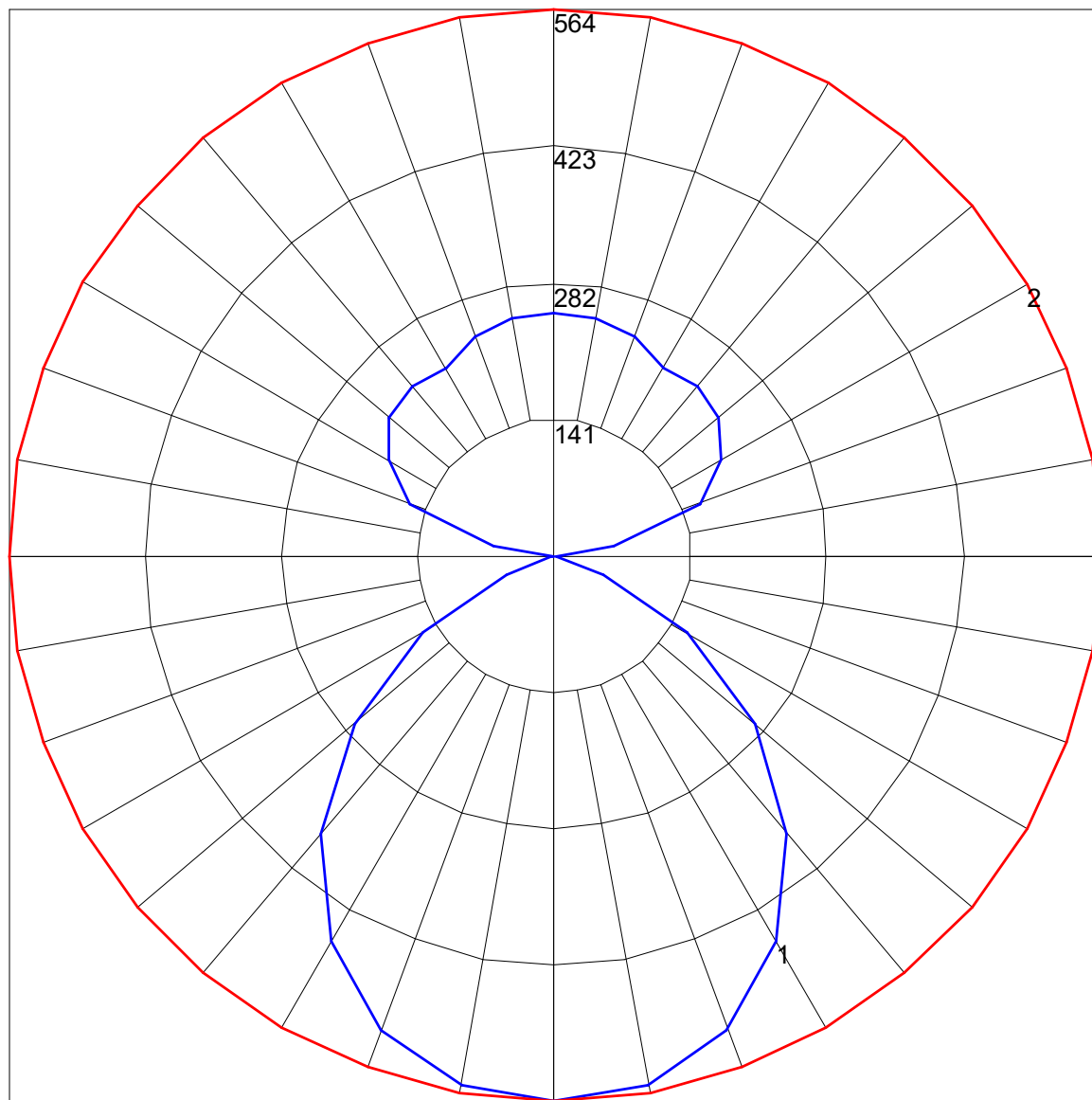
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UGR TABLE - CORRECTED

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	8.8	9.6	9.7	10.5	11.8	3.9	4.7	4.8	5.6	6.9
	3H	9.4	10.1	10.4	11.1	12.4	3.9	4.6	4.8	5.6	6.8
	4H	9.5	10.2	10.5	11.2	12.4	3.8	4.5	4.8	5.5	6.7
	6H	9.5	10.1	10.5	11.1	12.4	3.7	4.4	4.7	5.3	6.6
	8H	9.4	10.0	10.4	11.0	12.3	3.7	4.3	4.7	5.3	6.6
	12H	9.4	9.9	10.4	10.9	12.2	3.7	4.2	4.6	5.2	6.5
4H	2H	8.6	9.3	9.6	10.3	11.6	4.2	4.9	5.2	5.9	7.2
	3H	9.3	9.9	10.3	10.9	12.2	4.3	4.8	5.3	5.8	7.1
	4H	9.5	10.0	10.5	11.0	12.3	4.2	4.7	5.2	5.7	7.0
	6H	9.4	9.9	10.4	10.9	12.2	4.2	4.6	5.2	5.6	6.9
	8H	9.4	9.8	10.4	10.8	12.1	4.1	4.5	5.1	5.5	6.9
	12H	9.3	9.7	10.3	10.7	12.0	4.1	4.5	5.1	5.5	6.8
8H	4H	9.3	9.7	10.3	10.7	12.1	4.2	4.6	5.2	5.6	6.9
	6H	9.3	9.6	10.3	10.7	12.0	4.1	4.5	5.2	5.5	6.8
	8H	9.2	9.5	10.3	10.6	11.9	4.1	4.4	5.2	5.4	6.8
	12H	9.2	9.5	10.2	10.5	11.9	4.1	4.4	5.2	5.4	6.8
12H	4H	9.3	9.6	10.3	10.6	12.0	4.1	4.5	5.2	5.5	6.8
	6H	9.2	9.5	10.3	10.6	11.9	4.1	4.4	5.1	5.4	6.8
	8H	9.2	9.4	10.2	10.5	11.9	4.1	4.3	5.1	5.4	6.7

Maximum UGR = 12.4

POLAR GRAPH



Maximum Candela = 564.012 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.)