



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-SS-40.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-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	4315
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
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	1693	1457	1278
55	1383	999	684
65	927	460	212
75	407	132	72
85	100	152	103

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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	1166.520	1166.520	1166.520	1166.520	1166.520	1166.520	1166.520	1166.520	1166.520	1166.520
10	1150.221	1149.557	1148.112	1144.352	1141.633	1137.573	1132.122	1127.046	1122.536	1118.627
20	1078.430	1077.657	1075.056	1066.425	1054.561	1040.472	1029.850	1021.670	1014.123	1008.505
30	950.536	948.057	936.020	916.095	901.671	893.441	884.298	875.691	865.460	859.278
40	775.381	770.363	745.112	719.539	702.867	691.991	685.028	677.965	664.856	654.163
50	560.234	550.818	518.514	489.591	464.567	440.600	413.604	391.558	370.557	354.375
60	325.217	315.807	282.422	245.080	208.075	165.505	128.012	105.823	92.901	83.172
70	111.934	102.092	80.053	52.139	32.962	27.219	23.096	20.065	17.566	16.698
80	5.623	6.712	7.760	8.122	8.218	8.028	7.502	6.524	4.901	4.167
90	4.087	4.665	5.761	6.897	6.621	6.696	6.299	5.654	5.211	5.874
100	130.260	135.324	130.574	131.696	105.633	94.482	80.783	76.594	69.727	67.348
110	329.563	338.646	335.216	326.313	295.320	270.120	251.168	228.262	202.399	196.137
120	408.618	476.089	465.542	433.243	417.886	386.932	342.020	309.544	300.605	301.899
130	461.051	593.451	447.694	535.914	444.116	422.074	387.170	380.543	380.088	381.446
140	475.896	501.808	515.870	453.414	452.924	445.657	446.630	446.356	446.806	446.956
150	463.085	465.954	474.172	478.798	485.487	490.249	493.066	493.816	493.772	496.540
160	496.231	496.513	502.486	508.537	512.187	515.394	517.721	519.655	520.430	522.598
170	516.842	515.387	517.155	520.770	522.703	524.369	525.250	527.322	527.566	531.331
180	521.326	521.326	521.326	521.326	521.326	521.326	521.326	521.326	521.326	521.326

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	419.58	N.A.	9.70
0-30	870.85	N.A.	20.20
0-40	1376.83	N.A.	31.90
0-60	2118.61	N.A.	49.10
0-80	2266.47	N.A.	52.50
0-90	2273.46	N.A.	52.70
10-90	2163.5	N.A.	50.10
20-40	957.25	N.A.	22.20
20-50	1407.7	N.A.	32.60
40-70	861.30	N.A.	20.00
60-80	147.86	N.A.	3.40
70-80	28.34	N.A.	0.70
80-90	7.00	N.A.	0.20
90-110	261.01	N.A.	6.00
90-120	591.73	N.A.	13.70
90-130	965.52	N.A.	22.40
90-150	1615.16	N.A.	37.40
90-180	2041.9	N.A.	47.30
110-180	1780.89	N.A.	41.30
0-180	4315.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.97
10-20	309.62
20-30	451.27
30-40	505.98
40-50	450.45
50-60	291.32
60-70	119.52
70-80	28.34
80-90	7.00
90-100	59.18
100-110	201.82
110-120	330.73
120-130	373.79
130-140	352.08
140-150	297.56
150-160	230.34
160-170	146.57
170-180	49.83

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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

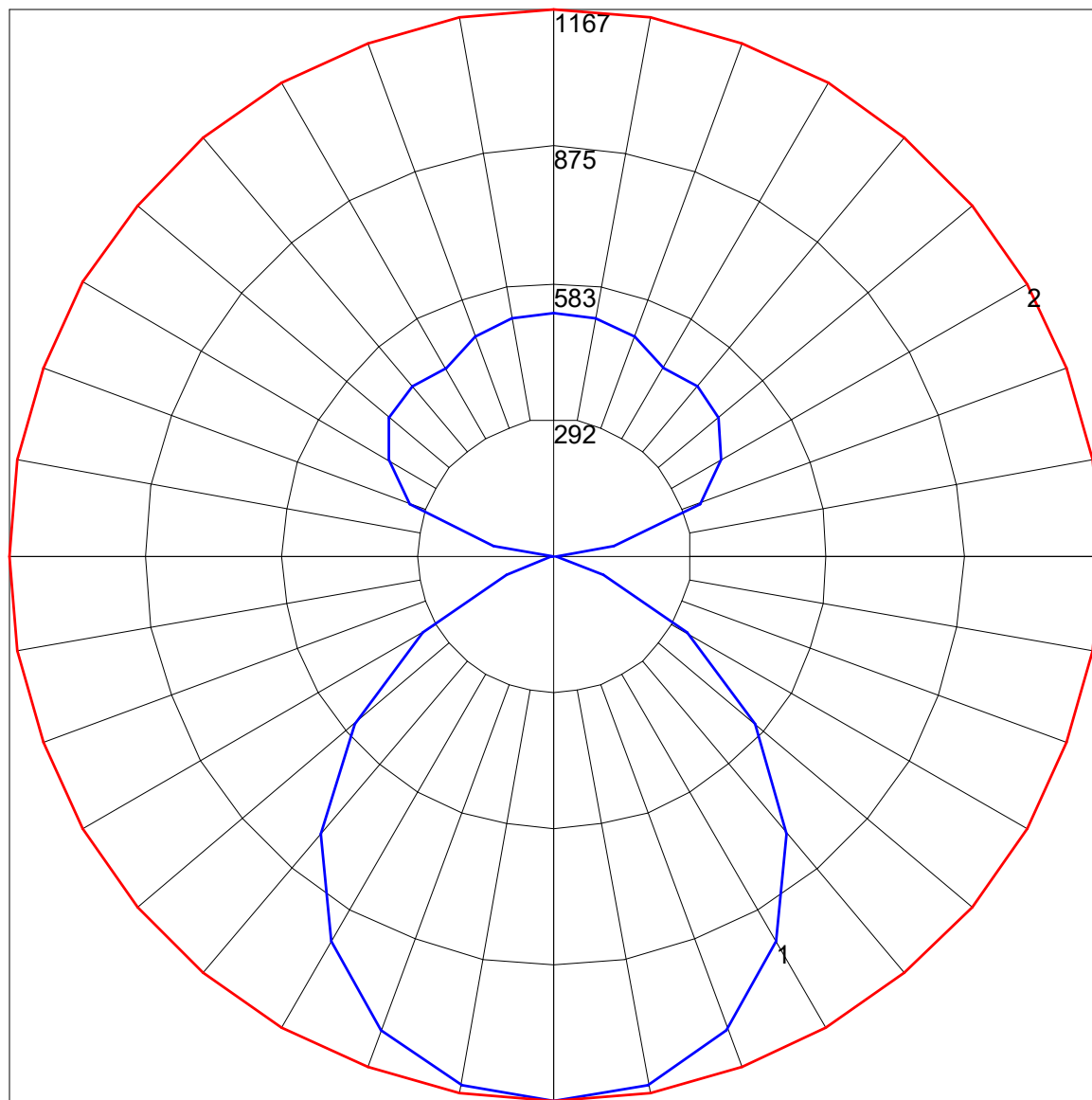
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	9.0	9.8	9.9	10.7	12.0	UGR Viewed Endwise				
	3H	9.6	10.3	10.6	11.3	12.6	5.1	5.1	5.1	5.8	7.1
	4H	9.7	10.4	10.7	11.4	12.6	5.1	5.1	5.1	5.7	6.9
	6H	9.7	10.3	10.7	11.3	12.5	5.1	5.1	5.1	5.5	6.8
	8H	9.6	10.2	10.6	11.2	12.5	5.1	5.1	5.1	5.5	6.7
	12H	9.6	10.1	10.6	11.1	12.4	5.1	5.1	5.1	5.4	6.7
4H	2H	8.8	9.5	9.8	10.5	11.8	5.1	5.1	5.4	6.1	7.4
	3H	9.5	10.1	10.5	11.1	12.4	5.1	5.1	5.5	6.0	7.3
	4H	9.7	10.2	10.6	11.2	12.5	5.1	5.1	5.4	5.9	7.2
	6H	9.6	10.1	10.6	11.1	12.4	5.1	5.1	5.4	5.8	7.1
	8H	9.6	10.0	10.6	11.0	12.3	5.1	5.1	5.3	5.7	7.0
	12H	9.5	9.9	10.5	10.9	12.2	5.1	5.1	5.3	5.7	7.0
8H	4H	9.5	9.9	10.5	10.9	12.2	5.1	5.1	5.4	5.8	7.1
	6H	9.5	9.8	10.5	10.9	12.2	5.1	5.1	5.4	5.7	7.0
	8H	9.4	9.7	10.5	10.8	12.1	5.1	5.1	5.3	5.6	7.0
	12H	9.4	9.7	10.4	10.7	12.1	5.1	5.1	5.3	5.6	7.0
12H	4H	9.5	9.8	10.5	10.8	12.2	5.1	5.1	5.3	5.7	7.0
	6H	9.4	9.7	10.5	10.7	12.1	5.1	5.1	5.3	5.6	7.0
	8H	9.4	9.6	10.4	10.7	12.0	5.1	5.1	5.3	5.6	6.9

Maximum UGR = 12.6

POLAR GRAPH



Maximum Candela = 1166.52 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.)