



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-6040-FB-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO SS 60 40
 [TESTLAB] Dekko
 [TESTDATE] 04-10-2017
 [ISSUEDATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-LED-6040-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	5572
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
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	1605	1417	1373
55	1312	1003	843
65	877	531	368
75	471	307	250
85	696	693	639

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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	1112.843	1112.843	1112.843	1112.843	1112.843	1112.843	1112.843	1112.843	1112.843	1112.843
10	1101.952	1095.472	1094.099	1091.803	1088.839	1087.027	1084.688	1081.066	1081.156	1080.348
20	1029.133	1026.453	1021.783	1015.595	1009.048	1000.571	995.550	989.487	985.962	985.341
30	900.258	897.191	885.716	869.932	860.876	856.512	857.554	855.314	853.767	853.873
40	737.037	730.276	708.297	688.821	674.337	671.061	671.874	674.280	672.314	673.379
50	529.776	518.273	490.469	469.167	452.754	437.906	424.600	415.997	411.054	409.593
60	309.859	295.762	266.104	240.839	213.293	179.686	152.421	137.465	133.040	130.075
70	103.642	97.686	85.139	67.096	55.688	51.809	48.672	45.332	43.837	43.309
80	32.482	33.826	34.603	35.026	35.231	34.583	33.955	32.354	29.510	28.780
90	35.253	35.206	35.096	34.411	33.160	31.767	30.723	30.828	33.400	33.332
100	248.182	258.916	252.624	263.230	258.841	242.864	223.414	198.044	183.175	174.967
110	551.549	578.037	565.837	552.546	525.018	494.117	450.448	412.702	351.996	330.993
120	685.384	714.206	703.487	688.726	668.158	623.121	586.414	539.056	464.178	460.734
130	762.365	772.742	779.365	758.513	740.447	713.428	676.213	601.104	565.575	565.957
140	795.508	801.091	820.433	809.966	785.914	753.692	691.802	640.457	641.938	643.313
150	799.465	806.337	799.505	801.413	763.521	706.784	686.965	688.541	692.640	694.719
160	688.311	690.207	696.243	700.296	705.018	710.121	713.724	717.483	720.958	721.801
170	701.114	700.738	703.210	707.698	711.913	715.552	719.134	720.782	722.158	723.172
180	710.579	710.579	710.579	710.579	710.579	710.579	710.579	710.579	710.579	710.579

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	401.86	N.A.	7.20
0-30	835.56	N.A.	15.00
0-40	1324.52	N.A.	23.80
0-60	2062.58	N.A.	37.00
0-80	2246.37	N.A.	40.30
0-90	2282.66	N.A.	41.00
10-90	2177.6	N.A.	39.10
20-40	922.66	N.A.	16.60
20-50	1365.22	N.A.	24.50
40-70	870.81	N.A.	15.60
60-80	183.79	N.A.	3.30
70-80	51.04	N.A.	0.90
80-90	36.28	N.A.	0.70
90-110	524.91	N.A.	9.40
90-120	1072.64	N.A.	19.20
90-130	1662.37	N.A.	29.80
90-150	2685.12	N.A.	48.20
90-180	3289.81	N.A.	59.00
110-180	2764.9	N.A.	49.60
0-180	5572.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.06
10-20	296.81
20-30	433.69
30-40	488.96
40-50	442.57
50-60	295.49
60-70	132.75
70-80	51.04
80-90	36.28
90-100	144.96
100-110	379.95
110-120	547.72
120-130	589.73
130-140	556.58
140-150	466.18
150-160	335.63
160-170	201.14
170-180	67.92

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	89	86	88	84	81	79	70	67	66	56	54	53	43	42	42	36
2	88	82	76	71	80	75	70	66	62	58	55	50	48	46	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	68	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	26	24	22	19
7	59	47	39	34	53	43	37	32	37	31	28	30	26	24	24	22	20	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	19	17	15	13

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UGR TABLE - CORRECTED

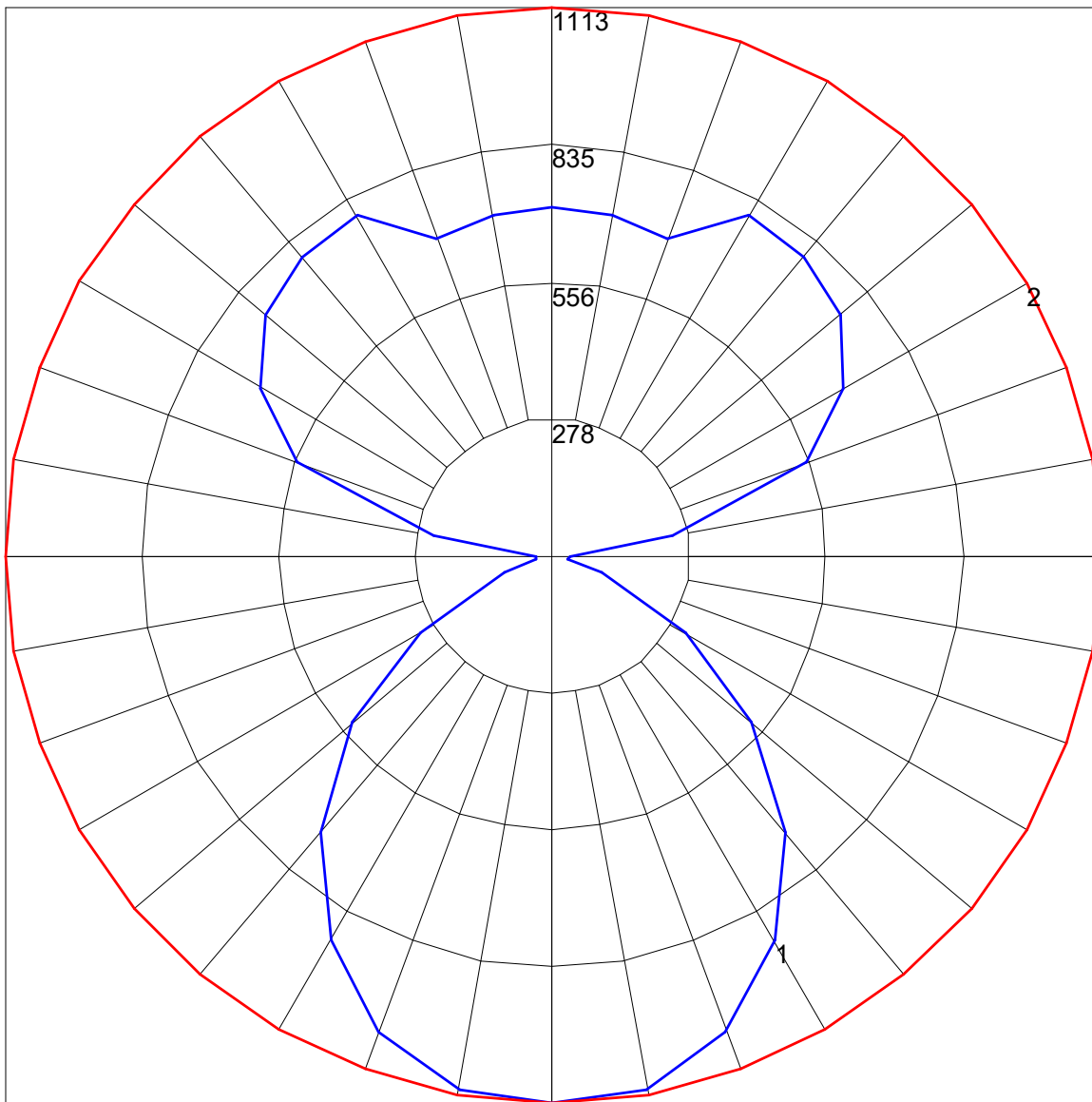
Reflectances

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	7.3	8.1	8.4	9.1	10.5	6.0	6.0	6.0	6.0	7.2
	3H	8.0	8.7	9.1	9.7	11.2	6.0	6.0	6.0	6.1	7.5
	4H	8.2	8.8	9.3	9.9	11.3	6.0	6.0	6.0	6.2	7.6
	6H	8.3	8.9	9.4	9.9	11.4	6.0	6.0	6.0	6.3	7.8
	8H	8.3	8.9	9.4	10.0	11.4	6.0	6.0	6.0	6.5	7.9
	12H	8.4	9.0	9.5	10.0	11.5	6.0	6.0	6.2	6.7	8.2
4H	2H	7.3	7.9	8.4	9.0	10.4	6.0	6.0	6.0	6.1	7.5
	3H	8.0	8.6	9.1	9.6	11.1	6.0	6.0	6.0	6.4	7.8
	4H	8.3	8.8	9.4	9.8	11.3	6.0	6.0	6.1	6.5	8.0
	6H	8.5	8.9	9.6	10.0	11.4	6.0	6.0	6.4	6.8	8.3
	8H	8.6	9.0	9.7	10.1	11.5	6.0	6.0	6.7	7.1	8.5
	12H	8.8	9.1	9.9	10.2	11.7	6.0	6.4	7.1	7.5	9.0
8H	4H	8.2	8.6	9.3	9.7	11.2	6.0	6.0	6.2	6.6	8.0
	6H	8.5	8.8	9.6	10.0	11.4	6.0	6.0	6.7	7.1	8.5
	8H	8.7	9.0	9.8	10.1	11.6	6.1	6.3	7.2	7.4	8.9
	12H	9.1	9.3	10.2	10.5	12.0	6.7	7.0	7.9	8.1	9.6
12H	4H	8.2	8.5	9.3	9.6	11.1	6.0	6.0	6.2	6.6	8.0
	6H	8.5	8.8	9.6	9.9	11.4	6.0	6.0	6.8	7.1	8.6
	8H	8.8	9.0	9.9	10.1	11.7	6.2	6.5	7.4	7.6	9.1

Maximum UGR = 12.0

POLAR GRAPH



Maximum Candela = 1112.843 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.)