



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-FB-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO SS
 [TESTLAB] Dekko
 [TESTDATE] 03-31-2017
 [ISSUEDATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-4-LED-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	4754
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	40.6
Ballast Factor	1.00
CIE Type	Indirect
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	488	402	323
55	432	299	171
65	354	177	52
75	280	142	28
85	409	345	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	146.761	146.761	146.761	146.761	146.761	146.761	146.761	146.761	146.761	146.761
10	145.640	146.481	147.052	146.386	145.573	144.265	142.785	141.975	141.051	140.226
20	140.139	141.176	140.811	138.809	135.999	133.520	131.401	129.500	128.296	127.115
30	127.431	129.236	126.302	121.802	118.636	116.595	114.544	112.621	110.640	108.979
40	109.025	110.490	105.833	99.246	95.562	92.610	90.455	88.177	85.491	82.736
50	83.594	83.906	79.307	72.371	66.857	61.899	56.773	52.503	48.161	44.656
60	54.615	53.652	49.006	43.223	35.227	27.557	20.499	15.359	12.361	10.164
70	28.953	27.870	23.708	16.903	11.631	9.222	7.512	5.362	3.571	2.211
80	11.447	12.231	11.882	11.745	10.725	9.490	8.251	6.067	3.787	1.895
90	8.455	8.381	8.017	7.685	7.004	6.318	5.403	4.466	3.438	2.957
100	229.008	220.992	214.230	211.104	195.940	175.323	154.985	131.106	96.988	81.560
110	880.718	861.032	828.290	778.934	721.574	653.450	565.803	446.979	315.288	250.904
120	1198.091	1184.592	1144.809	1078.089	1000.153	891.155	766.831	632.233	495.748	435.984
130	1270.933	1245.378	1205.601	1147.223	1075.683	987.542	878.926	759.114	642.140	603.142
140	1253.064	1240.372	1215.133	1171.243	1110.154	1033.972	947.280	849.448	754.688	732.657
150	1217.322	1206.753	1185.356	1150.356	1105.946	1044.451	973.959	897.864	847.508	837.951
160	1140.765	1132.459	1116.828	1091.358	1057.613	1015.710	971.603	936.471	916.482	915.949
170	1027.785	1022.322	1015.836	1006.275	994.927	984.507	973.457	964.931	962.781	963.948
180	982.885	982.885	982.885	982.885	982.885	982.885	982.885	982.885	982.885	982.885

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	53.44	N.A.	1.10
0-30	112.12	N.A.	2.40
0-40	179.56	N.A.	3.80
0-60	285.55	N.A.	6.00
0-80	320.08	N.A.	6.70
0-90	328.40	N.A.	6.90
10-90	314.51	N.A.	6.60
20-40	126.11	N.A.	2.70
20-50	188.48	N.A.	4.00
40-70	128.64	N.A.	2.70
60-80	34.53	N.A.	0.70
70-80	11.88	N.A.	0.20
80-90	8.32	N.A.	0.20
90-110	526.37	N.A.	11.10
90-120	1284.5	N.A.	27.00
90-130	2126.3	N.A.	44.70
90-150	3563.63	N.A.	75.00
90-180	4425.31	N.A.	93.10
110-180	3898.94	N.A.	82.00
0-180	4753.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	13.89
10-20	39.55
20-30	58.67
30-40	67.44
40-50	62.37
50-60	43.62
60-70	22.64
70-80	11.88
80-90	8.32
90-100	97.73
100-110	428.64
110-120	758.13
120-130	841.80
130-140	782.78
140-150	654.55
150-160	481.04
160-170	286.42
170-180	94.22

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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	97	97	97	97	84	84	84	84	59	59	59	37	37	37	17	17	17	7
1	88	84	81	77	76	73	70	67	52	50	48	32	32	31	15	14	14	6
2	80	74	68	63	69	64	59	55	45	43	40	29	27	26	13	12	12	5
3	73	65	58	52	63	56	51	46	40	37	34	25	23	22	12	11	10	4
4	67	57	50	44	58	50	44	39	35	32	29	22	20	19	10	9	9	4
5	61	51	43	38	53	44	38	33	32	28	24	20	18	16	9	8	8	3
6	56	45	38	32	48	39	33	29	28	24	21	18	16	14	8	7	7	3
7	52	40	33	28	45	35	29	25	25	21	18	16	14	12	8	7	6	3
8	48	36	29	24	41	32	26	22	23	19	16	15	12	11	7	6	5	2
9	44	33	26	21	38	29	23	19	21	17	14	13	11	9	6	5	5	2
10	41	30	23	19	36	26	21	17	19	15	13	12	10	8	6	5	4	2

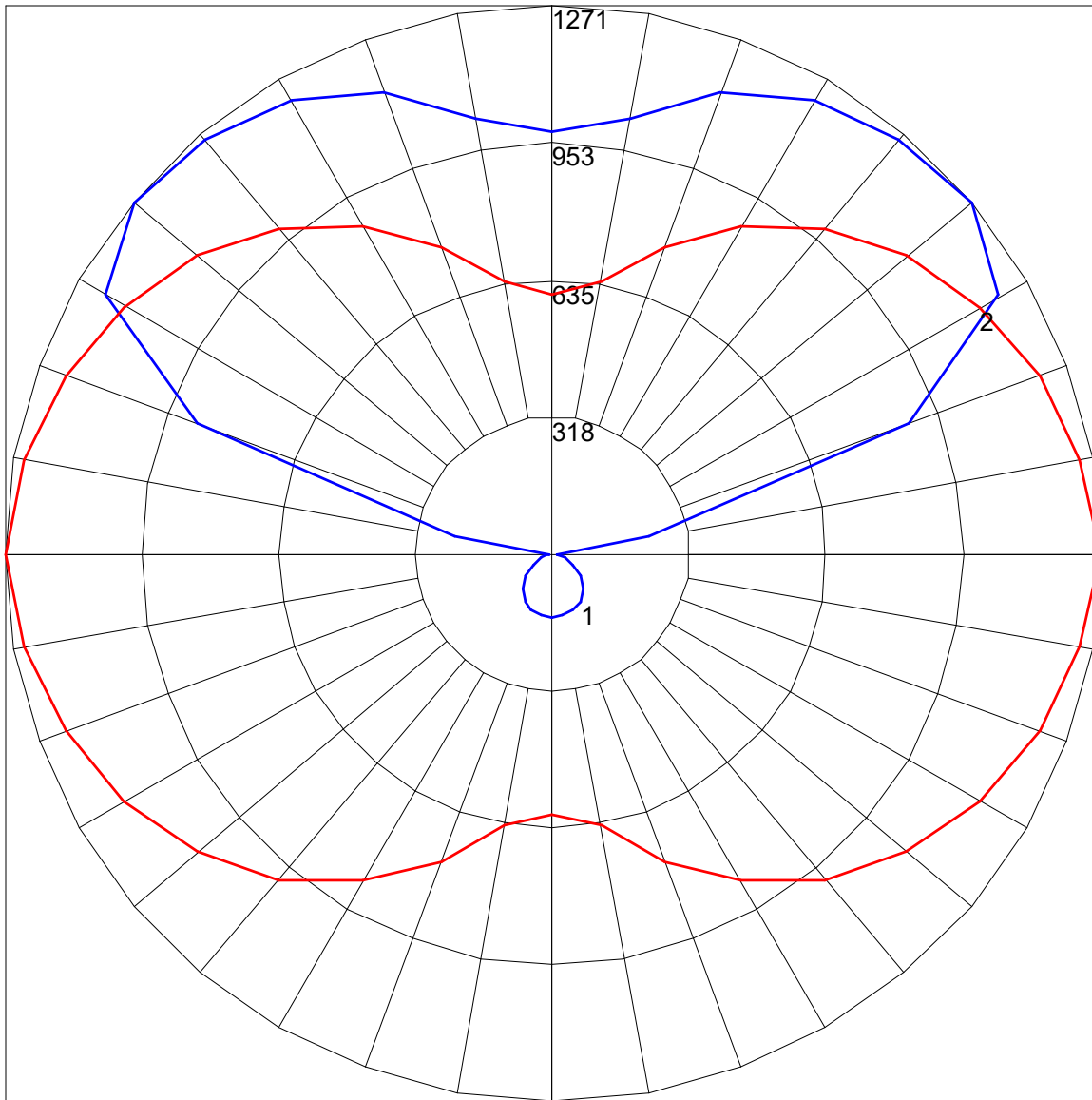
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UGR TABLE - CORRECTED

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	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	3H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	4H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	6H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	8H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	12H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
4H	2H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	3H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	4H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	6H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	8H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	12H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
8H	4H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	6H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	8H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	12H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
12H	4H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	6H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	8H	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4

Maximum UGR = 5.4

POLAR GRAPH



Maximum Candela = 1270.933 Located At Horizontal Angle = 0, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)