



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO NW
 [TESTLAB] DEKKO
 [TESTDATE] 04-05-2017
 [ISSUEDATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-4-LED-FB-HO-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	5707
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	48.7
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	586	482	388
55	518	359	206
65	425	213	63
75	336	171	34
85	491	414	120

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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	176.184	176.184	176.184	176.184	176.184	176.184	176.184	176.184	176.184	176.184
10	174.838	175.848	176.533	175.734	174.757	173.187	171.410	170.438	169.328	168.338
20	168.234	169.479	169.040	166.637	163.264	160.288	157.745	155.463	154.017	152.599
30	152.978	155.145	151.623	146.221	142.421	139.970	137.507	135.199	132.821	130.827
40	130.882	132.640	127.050	119.143	114.720	111.176	108.589	105.855	102.631	99.323
50	100.352	100.728	95.206	86.880	80.261	74.308	68.155	63.029	57.816	53.609
60	65.565	64.408	58.830	51.888	42.290	33.081	24.608	18.438	14.839	12.202
70	34.758	33.457	28.461	20.292	13.963	11.071	9.018	6.437	4.287	2.654
80	13.742	14.683	14.264	14.100	12.876	11.392	9.905	7.283	4.546	2.275
90	10.151	10.061	9.625	9.226	8.408	7.584	6.486	5.361	4.127	3.550
100	274.919	265.296	257.179	253.427	235.222	210.471	186.057	157.390	116.432	97.911
110	1057.285	1033.652	994.346	935.095	866.236	784.454	679.235	536.589	378.497	301.205
120	1438.285	1422.079	1374.321	1294.225	1200.664	1069.814	920.566	758.984	595.135	523.391
130	1525.730	1495.052	1447.300	1377.219	1291.337	1185.525	1055.133	911.302	770.877	724.060
140	1504.279	1489.042	1458.744	1406.054	1332.718	1241.263	1137.191	1019.745	905.988	879.540
150	1461.371	1448.683	1422.997	1380.979	1327.667	1253.842	1169.218	1077.868	1017.416	1005.943
160	1369.466	1359.495	1340.730	1310.153	1269.643	1219.340	1166.390	1124.215	1100.219	1099.579
170	1233.836	1227.277	1219.490	1208.013	1194.390	1181.881	1168.616	1158.381	1155.800	1157.200
180	1179.933	1179.933	1179.933	1179.933	1179.933	1179.933	1179.933	1179.933	1179.933	1179.933

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	64.16	N.A.	1.10
0-30	134.60	N.A.	2.40
0-40	215.55	N.A.	3.80
0-60	342.79	N.A.	6.00
0-80	384.25	N.A.	6.70
0-90	394.23	N.A.	6.90
10-90	377.56	N.A.	6.60
20-40	151.39	N.A.	2.70
20-50	226.27	N.A.	4.00
40-70	154.42	N.A.	2.70
60-80	41.45	N.A.	0.70
70-80	14.27	N.A.	0.30
80-90	9.99	N.A.	0.20
90-110	631.90	N.A.	11.10
90-120	1542.02	N.A.	27.00
90-130	2552.58	N.A.	44.70
90-150	4278.07	N.A.	75.00
90-180	5312.5	N.A.	93.10
110-180	4680.6	N.A.	82.00
0-180	5706.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16.68
10-20	47.48
20-30	70.44
30-40	80.96
40-50	74.87
50-60	52.37
60-70	27.18
70-80	14.27
80-90	9.99
90-100	117.33
100-110	514.57
110-120	910.12
120-130	1010.57
130-140	939.72
140-150	785.77
150-160	577.48
160-170	343.85
170-180	113.11

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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

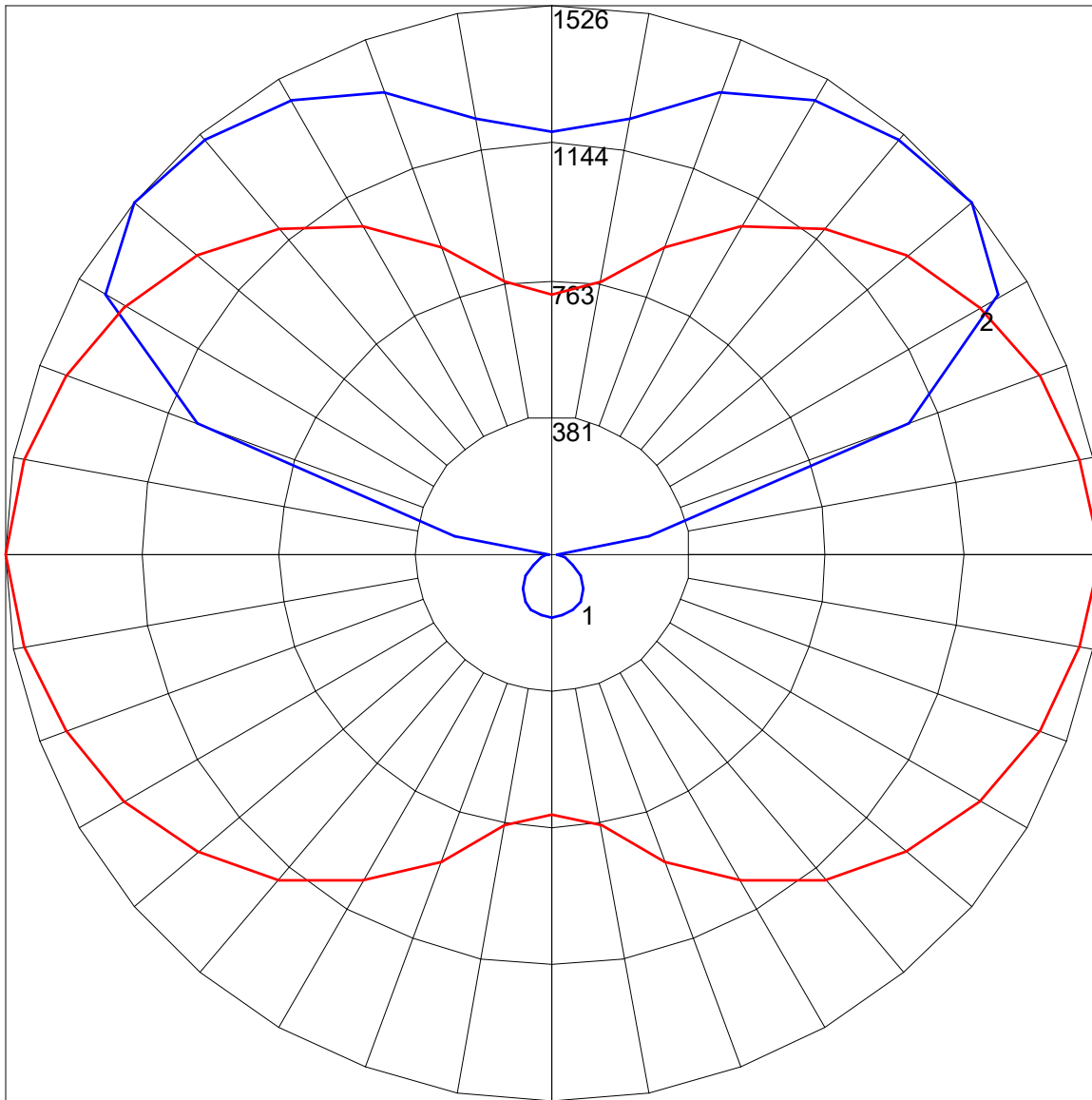
X=2H	Y=2H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	3H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	4H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	6H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	8H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	12H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

UGR Viewed Endwise

4H	2H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	3H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	4H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	6H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	8H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	12H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
8H	4H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	6H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	8H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	12H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
12H	4H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	6H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	8H	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

Maximum UGR = 6.0

POLAR GRAPH



Maximum Candela = 1525.73 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.)