IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 HO NW 60 40
[TESTLAB] Dekko
[TESTDATE] 04-10-2017
[ISSUEDATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-4-LED-6040-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	3234
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	48.5
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	1864	1645	1593
55	1523	1164	979
65	1018	616	427
75	547	356	290
85	809	804	741

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-HO-35.IES

CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	645.930	645.930	645.930	645.930	645.930	645.930	645.930	645.930	645.930	645.930
10	639.609	635.847	635.050	633.718	631.997	630.945	629.588	627.485	627.538	627.069
20	597.342	595.786	593.076	589.484	585.684	580.764	577.849	574.330	572.284	571.923
30	522.539	520.759	514.098	504.936	499.680	497.147	497.752	496.452	495.554	495.616
40	427.800	423.876	411.118	399.814	391.407	389.506	389.978	391.374	390.233	390.851
50	307.499	300.822	284.684	272.320	262.793	254.175	246.452	241.458	238.589	237.741
60	179.852	171.670	154.455	139.790	123.802	104.296	88.470	79.789	77.221	75.499
70	60.157	56.700	49.418	38.945	32.323	30.072	28.251	26.312	25.445	25.138
80	18.854	19.634	20.085	20.330	20.449	20.073	19.708	18.779	17.128	16.705
90	20.462	20.435	20.371	19.973	19.247	18.439	17.832	17.893	19.386	19.347
100	144.053	150.283	146.631	152.787	150.240	140.966	129.677	114.951	106.321	101.556
110	320.137	335.511	328.430	320.715	304.737	286.802	261.455	239.545	204.310	192.119
120	397.819	414.548	408.326	399.759	387.820	361.679	340.373	312.885	269.424	267.425
130	442.501	448.525	452.368	440.265	429.779	414.096	392.496	348.900	328.278	328.500
140	461.739	464.979	476.206	470.130	456.170	437.467	401.544	371.742	372.602	373.399
150	464.035	468.024	464.058	465.166	443.172	410.240	398.737	399.651	402.030	403.237
160	399.518	400.618	404.122	406.475	409.215	412.177	414.269	416.450	418.467	418.957
170	406.949	406.731	408.166	410.771	413.217	415.329	417.408	418.365	419.164	419.752
180	412.443	412.443	412.443	412.443	412.443	412.443	412.443	412.443	412.443	412.443

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	233.25	N.A.	7.20
0-30	484.99	N.A.	15.00
0-40	768.79	N.A.	23.80
0-60	1197.19	N.A.	37.00
0-80	1303.87	N.A.	40.30
0-90	1324.93	N.A.	41.00
10-90	1263.95	N.A.	39.10
20-40	535.54	N.A.	16.60
20-50	792.42	N.A.	24.50
40-70	505.45	N.A.	15.60
60-80	106.68	N.A.	3.30
70-80	29.63	N.A.	0.90
80-90	21.06	N.A.	0.70
90-110	304.67	N.A.	9.40
90-120	622.59	N.A.	19.20
90-130	964.89	N.A.	29.80
90-150	1558.53	N.A.	48.20
90-180	1909.51	N.A.	59.00
110-180	1604.84	N.A.	49.60
0-180	3234.44	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.98
10-20	172.28
20-30	251.73
30-40	283.81
40-50	256.88
50-60	171.51
60-70	77.05
70-80	29.63
80-90	21.06
90-100	84.14
100-110	220.53
110-120	317.92
120-130	342.30
130-140	323.06
140-150	270.58
150-160	194.81
160-170	116.75
170-180	39.43

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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	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	55	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	7.9	8.6	8.9	9.6	11.0	4.6	5.3	5.6	6.4	7.7
	3H	8.5	9.2	9.6	10.2	11.7	4.9	5.5	5.9	6.6	8.0
	4H	8.7	9.3	9.8	10.4	11.8	5.0	5.6	6.1	6.7	8.1
	6H	8.8	9.4	9.9	10.4	11.9	5.2	5.8	6.3	6.8	8.3
	8H	8.8	9.4	9.9	10.5	11.9	5.4	5.9	6.4	7.0	8.4
	12H	9.0	9.5	10.0	10.5	12.0	5.7	6.2	6.7	7.2	8.7
4H	2H	7.8	8.4	8.9	9.5	10.9	4.9	5.5	6.0	6.6	8.0
	3H	8.5	9.1	9.6	10.1	11.6	5.3	5.8	6.4	6.9	8.3
	4H	8.8	9.3	9.9	10.4	11.8	5.5	6.0	6.6	7.1	8.5
	6H	9.0	9.4	10.1	10.5	12.0	5.8	6.2	6.9	7.3	8.8
	8H	9.1	9.5	10.2	10.6	12.0	6.1	6.5	7.2	7.6	9.0
	12H	9.3	9.7	10.4	10.8	12.2	6.5	6.9	7.7	8.0	9.5
8H	4H	8.7	9.1	9.8	10.2	11.7	5.6	6.0	6.7	7.1	8.6
	6H	9.0	9.3	10.1	10.5	11.9	6.1	6.5	7.3	7.6	9.0
	8H	9.2	9.5	10.3	10.6	12.1	6.6	6.8	7.7	8.0	9.4
	12H	9.6	9.9	10.7	11.0	12.5	7.2	7.5	8.4	8.6	10.1
12H	4H	8.7	9.0	9.8	10.1	11.6	5.6	6.0	6.7	7.1	8.5
	6H	9.0	9.3	10.1	10.4	11.9	6.2	6.5	7.3	7.6	9.1
	8H	9.3	9.5	10.4	10.6	12.2	6.7	7.0	7.9	8.1	9.6

Maximum UGR = 12.5

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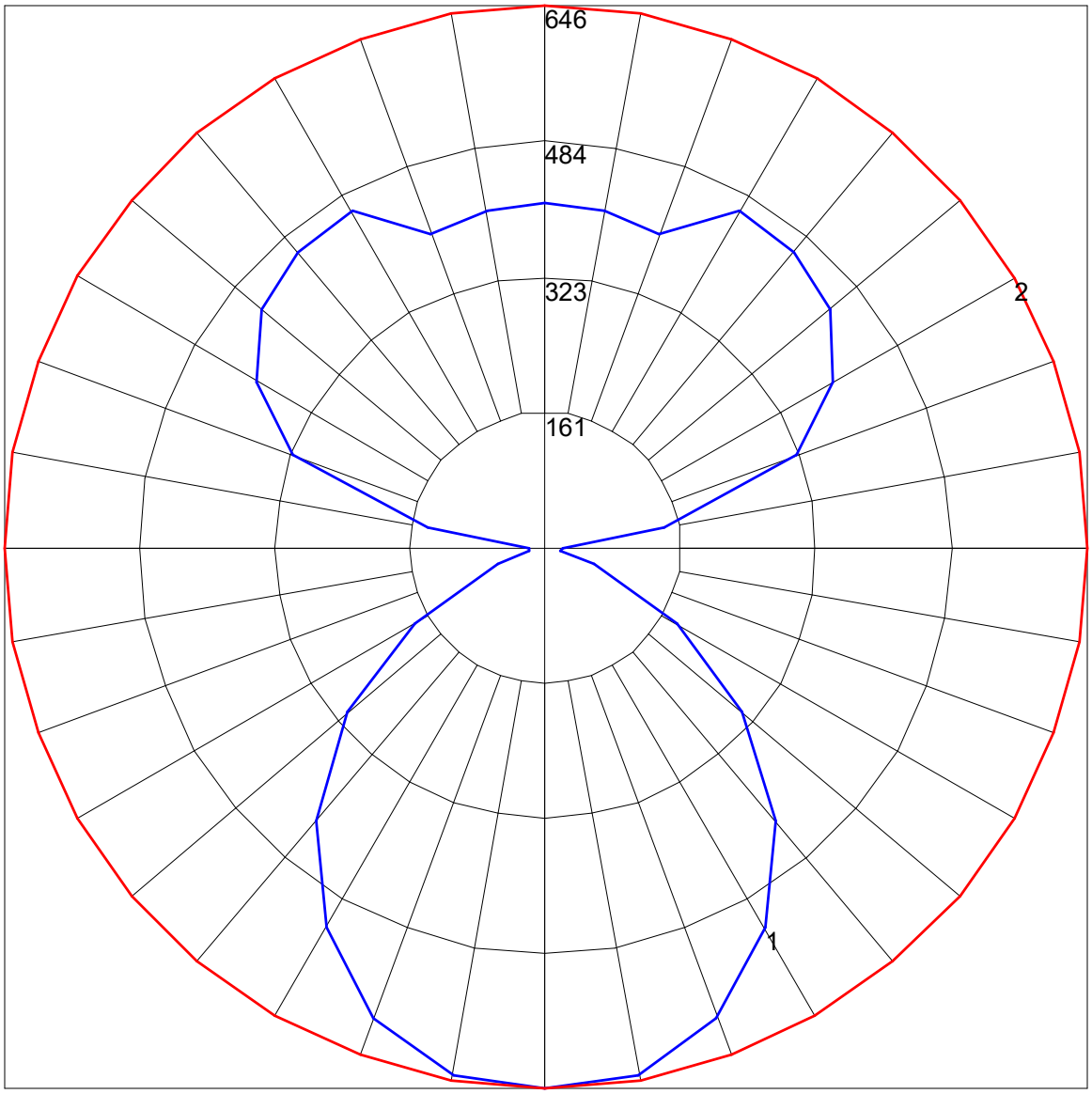
POLAR GRAPH



Maximum Candela = 645.93 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.)