



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-6040-FB-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 HO NW 60 40
[TESTLAB] Dekko
[TESTDATE] 04-10-2017
[ISSUE DATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-4-LED-6040-FB-HO-30
[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	3137
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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	1808	1596	1546
55	1477	1129	949
65	987	598	414
75	531	346	281
85	784	780	719

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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	626.559	626.559	626.559	626.559	626.559	626.559	626.559	626.559	626.559	626.559
10	620.427	616.778	616.005	614.713	613.044	612.023	610.706	608.667	608.718	608.263
20	579.428	577.919	575.289	571.806	568.119	563.347	560.520	557.106	555.122	554.772
30	506.868	505.141	498.680	489.794	484.695	482.238	482.824	481.564	480.692	480.752
40	414.970	411.164	398.789	387.824	379.669	377.825	378.282	379.637	378.530	379.129
50	298.277	291.801	276.146	264.153	254.912	246.552	239.061	234.217	231.434	230.611
60	174.459	166.521	149.823	135.598	120.089	101.168	85.817	77.396	74.905	73.235
70	58.353	55.000	47.936	37.777	31.354	29.170	27.404	25.523	24.682	24.384
80	18.288	19.045	19.482	19.721	19.836	19.471	19.117	18.216	16.615	16.204
90	19.848	19.822	19.760	19.374	18.670	17.886	17.298	17.357	18.805	18.767
100	139.733	145.776	142.234	148.205	145.734	136.739	125.788	111.504	103.132	98.511
110	310.536	325.449	318.580	311.097	295.599	278.200	253.614	232.361	198.183	186.357
120	385.889	402.116	396.081	387.770	376.190	350.833	330.166	303.502	261.344	259.405
130	429.231	435.073	438.802	427.062	416.890	401.678	380.725	338.437	318.433	318.648
140	447.891	451.034	461.925	456.031	442.489	424.347	389.502	360.593	361.427	362.201
150	450.119	453.988	450.142	451.216	429.882	397.937	386.779	387.666	389.974	391.144
160	387.537	388.604	392.002	394.285	396.943	399.816	401.845	403.961	405.918	406.392
170	394.745	394.533	395.925	398.452	400.825	402.874	404.891	405.818	406.593	407.164
180	400.074	400.074	400.074	400.074	400.074	400.074	400.074	400.074	400.074	400.074

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Zone	Lumens	%Lamp	%Fixt
0-20	226.26	N.A.	7.20
0-30	470.44	N.A.	15.00
0-40	745.74	N.A.	23.80
0-60	1161.28	N.A.	37.00
0-80	1264.76	N.A.	40.30
0-90	1285.19	N.A.	41.00
10-90	1226.04	N.A.	39.10
20-40	519.48	N.A.	16.60
20-50	768.66	N.A.	24.50
40-70	490.29	N.A.	15.60
60-80	103.48	N.A.	3.30
70-80	28.74	N.A.	0.90
80-90	20.43	N.A.	0.70
90-110	295.54	N.A.	9.40
90-120	603.92	N.A.	19.20
90-130	935.95	N.A.	29.80
90-150	1511.79	N.A.	48.20
90-180	1852.25	N.A.	59.00
110-180	1556.71	N.A.	49.60
0-180	3137.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.15
10-20	167.11
20-30	244.18
30-40	275.30
40-50	249.18
50-60	166.37
60-70	74.74
70-80	28.74
80-90	20.43
90-100	81.62
100-110	213.92
110-120	308.38
120-130	332.03
130-140	313.37
140-150	262.47
150-160	188.97
160-170	113.25
170-180	38.24

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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

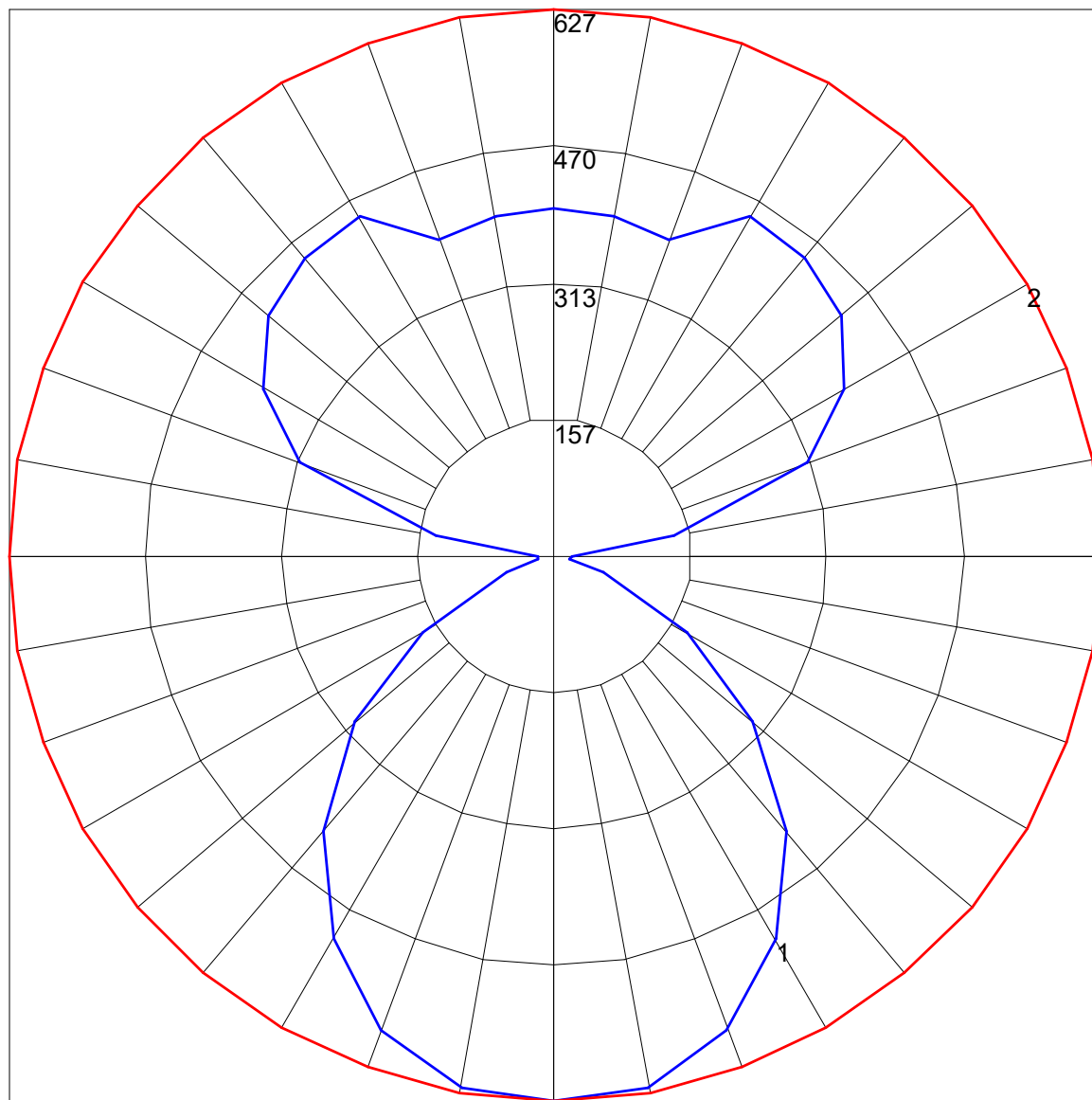
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	7.8	8.5	8.8	9.5	10.9	UGR Viewed Endwise				
	3H	8.4	9.1	9.5	10.1	11.6	4.5	5.2	5.5	6.3	7.6
	4H	8.6	9.2	9.7	10.3	11.7	4.8	5.4	5.8	6.5	7.9
	6H	8.7	9.3	9.8	10.3	11.8	4.9	5.5	6.0	6.6	8.0
	8H	8.7	9.3	9.8	10.4	11.8	5.1	5.7	6.2	6.7	8.2
	12H	8.9	9.4	9.9	10.4	11.9	5.3	5.8	6.3	6.9	8.3
							5.6	6.1	6.6	7.1	8.6
4H	2H	7.7	8.3	8.8	9.4	10.8	4.8	5.4	5.9	6.5	7.9
	3H	8.4	9.0	9.5	10.0	11.5	5.2	5.7	6.3	6.8	8.2
	4H	8.7	9.2	9.8	10.3	11.7	5.4	5.9	6.5	7.0	8.4
	6H	8.9	9.3	10.0	10.4	11.9	5.7	6.1	6.8	7.2	8.7
	8H	9.0	9.4	10.1	10.5	11.9	6.0	6.4	7.1	7.5	8.9
	12H	9.2	9.6	10.3	10.7	12.1	6.4	6.8	7.6	7.9	9.4
8H	4H	8.6	9.0	9.7	10.1	11.6	5.5	5.9	6.6	7.0	8.5
	6H	8.9	9.2	10.0	10.4	11.8	6.0	6.4	7.2	7.5	8.9
	8H	9.1	9.4	10.2	10.5	12.0	6.5	6.7	7.6	7.9	9.3
	12H	9.5	9.8	10.6	10.9	12.4	7.1	7.4	8.3	8.5	10.0
12H	4H	8.6	8.9	9.7	10.0	11.5	5.5	5.9	6.6	7.0	8.4
	6H	8.9	9.2	10.0	10.3	11.8	6.1	6.4	7.2	7.5	9.0
	8H	9.2	9.4	10.3	10.5	12.1	6.6	6.9	7.8	8.0	9.5

Maximum UGR = 12.4

POLAR GRAPH



Maximum Candela = 626.559 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.)