



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-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-4-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	2786
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	40.6
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	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	556.422	556.422	556.422	556.422	556.422	556.422	556.422	556.422	556.422	556.422
10	550.976	547.736	547.049	545.902	544.420	543.513	542.344	540.533	540.578	540.174
20	514.567	513.226	510.891	507.798	504.524	500.286	497.775	494.744	492.981	492.670
30	450.129	448.595	442.858	434.966	430.438	428.256	428.777	427.657	426.883	426.937
40	368.518	365.138	354.148	344.411	337.168	335.531	335.937	337.140	336.157	336.689
50	264.888	259.136	245.234	234.584	226.377	218.953	212.300	207.998	205.527	204.796
60	154.930	147.881	133.052	120.419	106.646	89.843	76.210	68.732	66.520	65.037
70	51.821	48.843	42.570	33.548	27.844	25.905	24.336	22.666	21.919	21.655
80	16.241	16.913	17.301	17.513	17.615	17.291	16.977	16.177	14.755	14.390
90	17.626	17.603	17.548	17.206	16.580	15.884	15.361	15.414	16.700	16.666
100	124.091	129.458	126.312	131.615	129.421	121.432	111.707	99.022	91.588	87.483
110	275.775	289.019	282.918	276.273	262.509	247.059	225.224	206.351	175.998	165.496
120	342.692	357.103	351.743	344.363	334.079	311.560	293.207	269.528	232.089	230.367
130	381.182	386.371	389.682	379.257	370.224	356.714	338.106	300.552	282.788	282.978
140	397.754	400.546	410.217	404.983	392.957	376.846	345.901	320.229	320.969	321.656
150	399.733	403.169	399.753	400.706	381.761	353.392	343.483	344.271	346.320	347.359
160	344.156	345.104	348.122	350.148	352.509	355.060	356.862	358.741	360.479	360.901
170	350.557	350.369	351.605	353.849	355.957	357.776	359.567	360.391	361.079	361.586
180	355.289	355.289	355.289	355.289	355.289	355.289	355.289	355.289	355.289	355.289

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	200.93	N.A.	7.20
0-30	417.78	N.A.	15.00
0-40	662.26	N.A.	23.80
0-60	1031.29	N.A.	37.00
0-80	1123.19	N.A.	40.30
0-90	1141.33	N.A.	41.00
10-90	1088.8	N.A.	39.10
20-40	461.33	N.A.	16.60
20-50	682.61	N.A.	24.50
40-70	435.40	N.A.	15.60
60-80	91.90	N.A.	3.30
70-80	25.52	N.A.	0.90
80-90	18.14	N.A.	0.70
90-110	262.46	N.A.	9.40
90-120	536.32	N.A.	19.20
90-130	831.18	N.A.	29.80
90-150	1342.56	N.A.	48.20
90-180	1644.91	N.A.	59.00
110-180	1382.45	N.A.	49.60
0-180	2786.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.53
10-20	148.40
20-30	216.85
30-40	244.48
40-50	221.28
50-60	147.74
60-70	66.38
70-80	25.52
80-90	18.14
90-100	72.48
100-110	189.97
110-120	273.86
120-130	294.87
130-140	278.29
140-150	233.09
150-160	167.81
160-170	100.57
170-180	33.96

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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	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

X=2H	Y=2H	7.4	8.1	8.4	9.1	10.5	4.1	4.8	5.1	5.9	7.3
	3H	8.0	8.7	9.1	9.7	11.2	4.4	5.0	5.4	6.1	7.5
	4H	8.2	8.8	9.3	9.9	11.3	4.5	5.1	5.6	6.2	7.6
	6H	8.3	8.9	9.4	9.9	11.4	4.7	5.3	5.8	6.3	7.8
	8H	8.3	8.9	9.4	10.0	11.4	4.9	5.4	5.9	6.5	7.9
	12H	8.5	9.0	9.5	10.0	11.5	5.2	5.7	6.2	6.7	8.2

UGR Viewed Endwise

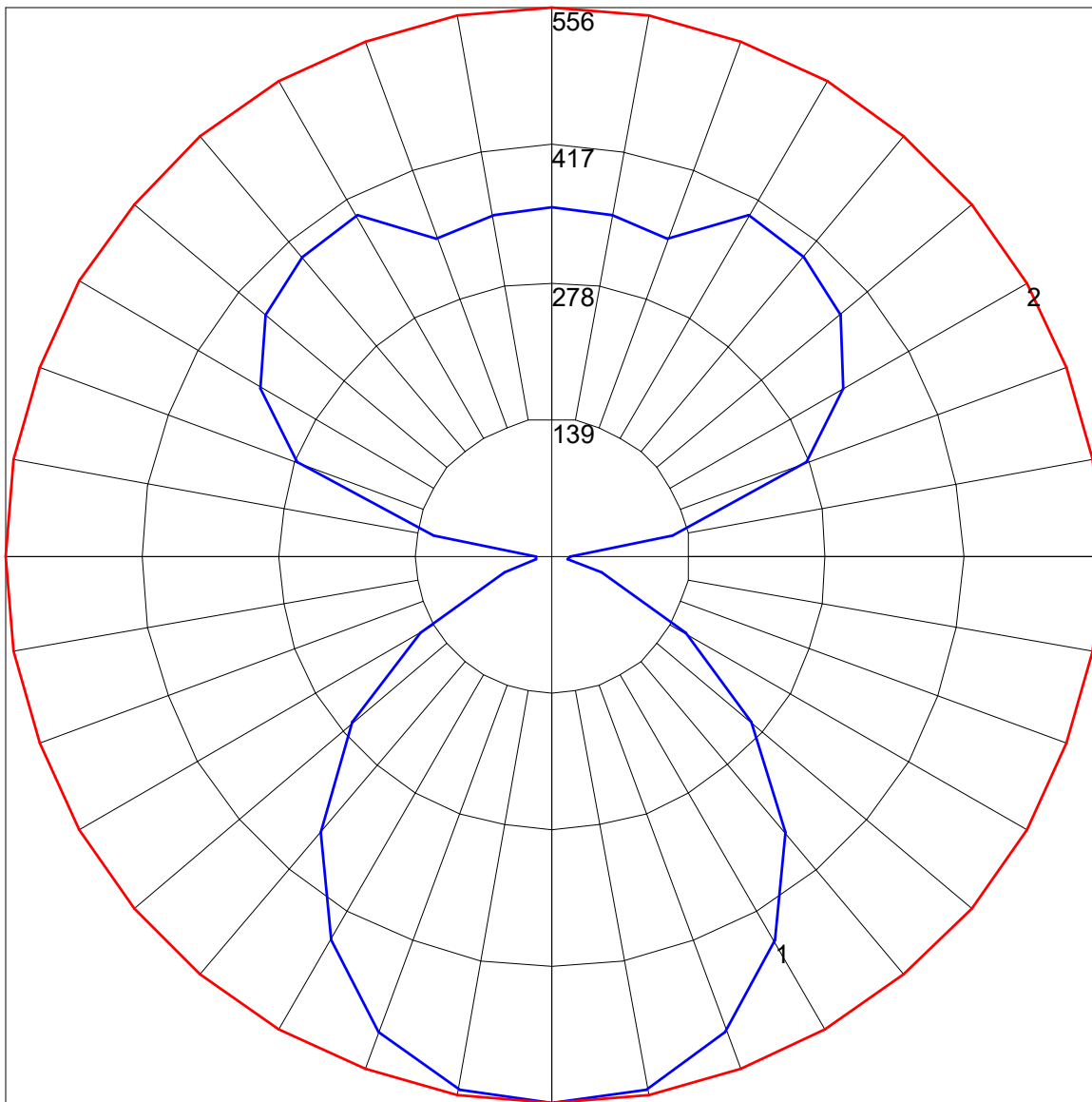
4H	2H	7.3	7.9	8.4	9.0	10.4	4.4	5.0	5.5	6.1	7.5
	3H	8.0	8.6	9.1	9.6	11.1	4.8	5.3	5.9	6.4	7.8
	4H	8.3	8.8	9.4	9.9	11.3	5.0	5.5	6.1	6.6	8.0
	6H	8.5	8.9	9.6	10.0	11.5	5.3	5.8	6.4	6.8	8.3
	8H	8.6	9.0	9.7	10.1	11.5	5.6	6.0	6.7	7.1	8.5
	12H	8.8	9.2	9.9	10.3	11.7	6.1	6.4	7.2	7.5	9.0

8H	4H	8.2	8.6	9.3	9.7	11.2	5.1	5.5	6.2	6.6	8.1
	6H	8.5	8.8	9.6	10.0	11.4	5.6	6.0	6.8	7.1	8.5
	8H	8.7	9.0	9.9	10.1	11.6	6.1	6.3	7.2	7.5	8.9
	12H	9.1	9.4	10.2	10.5	12.0	6.8	7.0	7.9	8.1	9.6

12H	4H	8.2	8.5	9.3	9.6	11.1	5.1	5.5	6.2	6.6	8.0
	6H	8.5	8.8	9.6	9.9	11.4	5.7	6.0	6.8	7.1	8.6
	8H	8.8	9.0	9.9	10.1	11.7	6.3	6.5	7.4	7.6	9.1

Maximum UGR = 12.0

POLAR GRAPH



Maximum Candela = 556.422 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.)