



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CURV-8-LED-6040-FB-SS-35.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-8-LED-6040-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	5389
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	81.2
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)	8.00 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	1553	1370	1327
55	1269	970	815
65	848	513	356
75	456	297	241
85	673	670	618

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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>
<b>0</b>	1076.119	1076.119	1076.119	1076.119	1076.119	1076.119	1076.119	1076.119	1076.119	1076.119
<b>10</b>	1065.588	1059.321	1057.994	1055.774	1052.908	1051.155	1048.893	1045.391	1045.478	1044.696
<b>20</b>	995.172	992.580	988.064	982.081	975.749	967.552	962.697	956.834	953.425	952.824
<b>30</b>	870.550	867.584	856.487	841.224	832.467	828.247	829.254	827.089	825.592	825.695
<b>40</b>	712.715	706.177	684.923	666.090	652.084	648.916	649.703	652.029	650.128	651.157
<b>50</b>	512.294	501.170	474.283	453.685	437.813	423.456	410.588	402.269	397.489	396.076
<b>60</b>	299.634	286.002	257.322	232.891	206.254	173.757	147.391	132.929	128.650	125.782
<b>70</b>	100.222	94.462	82.330	64.882	53.850	50.100	47.066	43.836	42.391	41.880
<b>80</b>	31.410	32.710	33.461	33.870	34.068	33.442	32.834	31.286	28.536	27.830
<b>90</b>	34.089	34.044	33.938	33.276	32.066	30.719	29.709	29.810	32.298	32.232
<b>100</b>	239.992	250.372	244.287	254.543	250.300	234.850	216.041	191.509	177.130	169.193
<b>110</b>	533.348	558.962	547.164	534.312	507.693	477.811	435.583	399.082	340.380	320.070
<b>120</b>	662.766	690.637	680.272	665.998	646.108	602.558	567.062	521.267	448.860	445.530
<b>130</b>	737.207	747.242	753.646	733.482	716.012	689.885	653.898	581.268	546.911	547.280
<b>140</b>	769.257	774.655	793.359	783.237	759.979	728.820	668.972	619.322	620.754	622.083
<b>150</b>	773.083	779.728	773.121	774.966	738.325	683.460	664.295	665.819	669.782	671.793
<b>160</b>	665.597	667.430	673.267	677.187	681.752	686.687	690.171	693.806	697.167	697.982
<b>170</b>	677.978	677.614	680.004	684.344	688.420	691.939	695.402	696.996	698.326	699.308
<b>180</b>	687.130	687.130	687.130	687.130	687.130	687.130	687.130	687.130	687.130	687.130

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	388.60	N.A.	7.20
0-30	807.99	N.A.	15.00
0-40	1280.81	N.A.	23.80
0-60	1994.51	N.A.	37.00
0-80	2172.24	N.A.	40.30
0-90	2207.33	N.A.	41.00
10-90	2105.74	N.A.	39.10
20-40	892.21	N.A.	16.60
20-50	1320.17	N.A.	24.50
40-70	842.07	N.A.	15.60
60-80	177.73	N.A.	3.30
70-80	49.36	N.A.	0.90
80-90	35.09	N.A.	0.70
90-110	507.59	N.A.	9.40
90-120	1037.24	N.A.	19.20
90-130	1607.51	N.A.	29.80
90-150	2596.51	N.A.	48.20
90-180	3181.25	N.A.	59.00
110-180	2673.66	N.A.	49.60
0-180	5388.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	101.59
10-20	287.01
20-30	419.38
30-40	472.83
40-50	427.96
50-60	285.74
60-70	128.37
70-80	49.36
80-90	35.09
90-100	140.18
100-110	367.41
110-120	529.65
120-130	570.27
130-140	538.21
140-150	450.79
150-160	324.55
160-170	194.50
170-180	65.68

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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	7.1	7.9	8.2	8.9	10.3	5.8	5.8	5.8	5.8	7.0
	3H	7.8	8.5	8.9	9.5	11.0	5.8	5.8	5.8	5.9	7.3
	4H	8.0	8.6	9.1	9.7	11.1	5.8	5.8	5.8	6.0	7.4
	6H	8.1	8.7	9.2	9.7	11.2	5.8	5.8	5.8	6.1	7.6
	8H	8.1	8.7	9.2	9.8	11.2	5.8	5.8	5.8	6.3	7.7
	12H	8.3	8.8	9.3	9.8	11.3	5.8	5.8	6.0	6.5	8.0

UGR Viewed Endwise

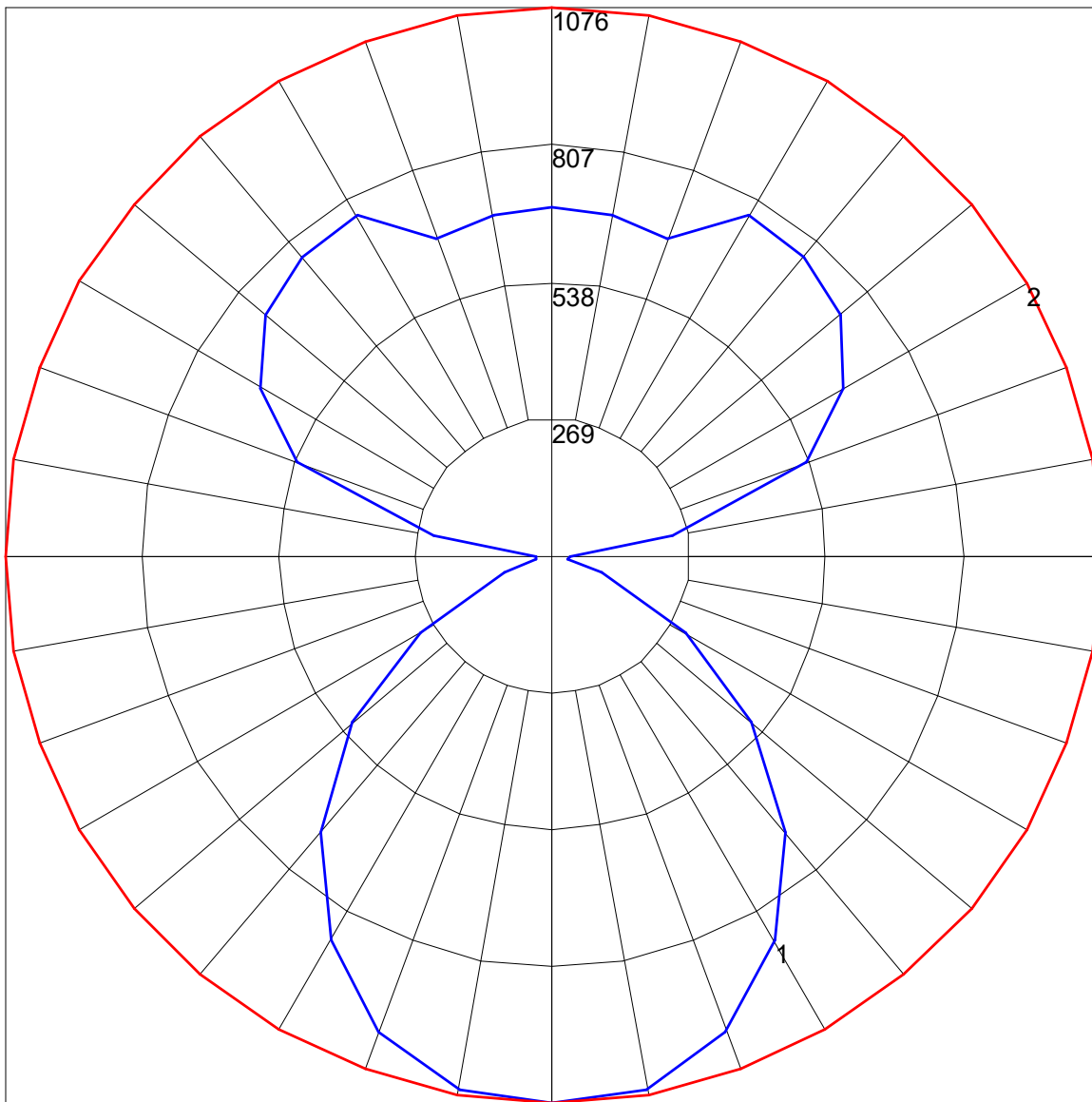
4H	2H	7.1	7.7	8.2	8.8	10.2	5.8	5.8	5.8	5.9	7.3
	3H	7.8	8.4	8.9	9.4	10.9	5.8	5.8	5.8	6.2	7.6
	4H	8.1	8.6	9.2	9.6	11.1	5.8	5.8	5.9	6.3	7.8
	6H	8.3	8.7	9.4	9.8	11.2	5.8	5.8	6.2	6.6	8.1
	8H	8.4	8.8	9.5	9.9	11.3	5.8	5.8	6.5	6.9	8.3
	12H	8.6	8.9	9.7	10.0	11.5	5.8	6.2	6.9	7.3	8.8

8H	4H	8.0	8.4	9.1	9.5	11.0	5.8	5.8	6.0	6.4	7.8
	6H	8.3	8.6	9.4	9.8	11.2	5.8	5.8	6.5	6.9	8.3
	8H	8.5	8.8	9.6	9.9	11.4	5.9	6.1	7.0	7.2	8.7
	12H	8.9	9.1	10.0	10.3	11.8	6.5	6.8	7.7	7.9	9.4

12H	4H	8.0	8.3	9.1	9.4	10.9	5.8	5.8	6.0	6.4	7.8
	6H	8.3	8.6	9.4	9.7	11.2	5.8	5.8	6.6	6.9	8.4
	8H	8.6	8.8	9.7	9.9	11.5	6.0	6.3	7.2	7.4	8.9

Maximum UGR = 11.8

POLAR GRAPH



Maximum Candela = 1076.119 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.)