



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-6040-FB-SS-30.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-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	5227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
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	1506	1329	1287
55	1231	941	791
65	822	498	345
75	442	288	234
85	653	650	599

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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	1043.847	1043.847	1043.847	1043.847	1043.847	1043.847	1043.847	1043.847	1043.847	1043.847
10	1033.631	1027.552	1026.265	1024.111	1021.331	1019.631	1017.437	1014.040	1014.124	1013.366
20	965.327	962.813	958.432	952.628	946.487	938.536	933.826	928.139	924.832	924.250
30	844.442	841.565	830.801	815.996	807.501	803.409	804.385	802.285	800.833	800.933
40	691.340	684.999	664.382	646.114	632.528	629.456	630.218	632.475	630.631	631.629
50	496.930	486.140	460.060	440.079	424.683	410.756	398.275	390.205	385.569	384.198
60	290.648	277.424	249.605	225.907	200.069	168.546	142.971	128.942	124.792	122.010
70	97.216	91.629	79.861	62.937	52.235	48.597	45.655	42.521	41.120	40.624
80	30.468	31.729	32.457	32.854	33.047	32.439	31.850	30.348	27.680	26.996
90	33.067	33.023	32.920	32.278	31.104	29.798	28.818	28.916	31.329	31.265
100	232.795	242.864	236.961	246.909	242.793	227.807	209.562	185.765	171.818	164.119
110	517.353	542.199	530.755	518.288	492.467	463.482	422.520	387.114	330.172	310.471
120	642.890	669.925	659.871	646.025	626.732	584.487	550.056	505.634	435.399	432.168
130	715.098	724.832	731.044	711.485	694.539	669.195	634.288	563.836	530.510	530.868
140	746.187	751.423	769.567	759.748	737.187	706.963	648.910	600.749	602.138	603.427
150	749.898	756.344	749.936	751.725	716.183	662.963	644.373	645.852	649.696	651.646
160	645.636	647.414	653.076	656.878	661.307	666.093	669.473	672.999	676.259	677.050
170	657.645	657.292	659.611	663.821	667.775	671.188	674.548	676.093	677.384	678.336
180	666.523	666.523	666.523	666.523	666.523	666.523	666.523	666.523	666.523	666.523

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	376.95	N.A.	7.20
0-30	783.75	N.A.	15.00
0-40	1242.4	N.A.	23.80
0-60	1934.7	N.A.	37.00
0-80	2107.1	N.A.	40.30
0-90	2141.13	N.A.	41.00
10-90	2042.59	N.A.	39.10
20-40	865.45	N.A.	16.60
20-50	1280.58	N.A.	24.50
40-70	816.82	N.A.	15.60
60-80	172.40	N.A.	3.30
70-80	47.88	N.A.	0.90
80-90	34.03	N.A.	0.70
90-110	492.37	N.A.	9.40
90-120	1006.13	N.A.	19.20
90-130	1559.3	N.A.	29.80
90-150	2518.64	N.A.	48.20
90-180	3085.85	N.A.	59.00
110-180	2593.48	N.A.	49.60
0-180	5226.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.55
10-20	278.40
20-30	406.81
30-40	458.65
40-50	415.13
50-60	277.17
60-70	124.52
70-80	47.88
80-90	34.03
90-100	135.98
100-110	356.39
110-120	513.77
120-130	553.17
130-140	522.07
140-150	437.27
150-160	314.82
160-170	188.67
170-180	63.71

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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

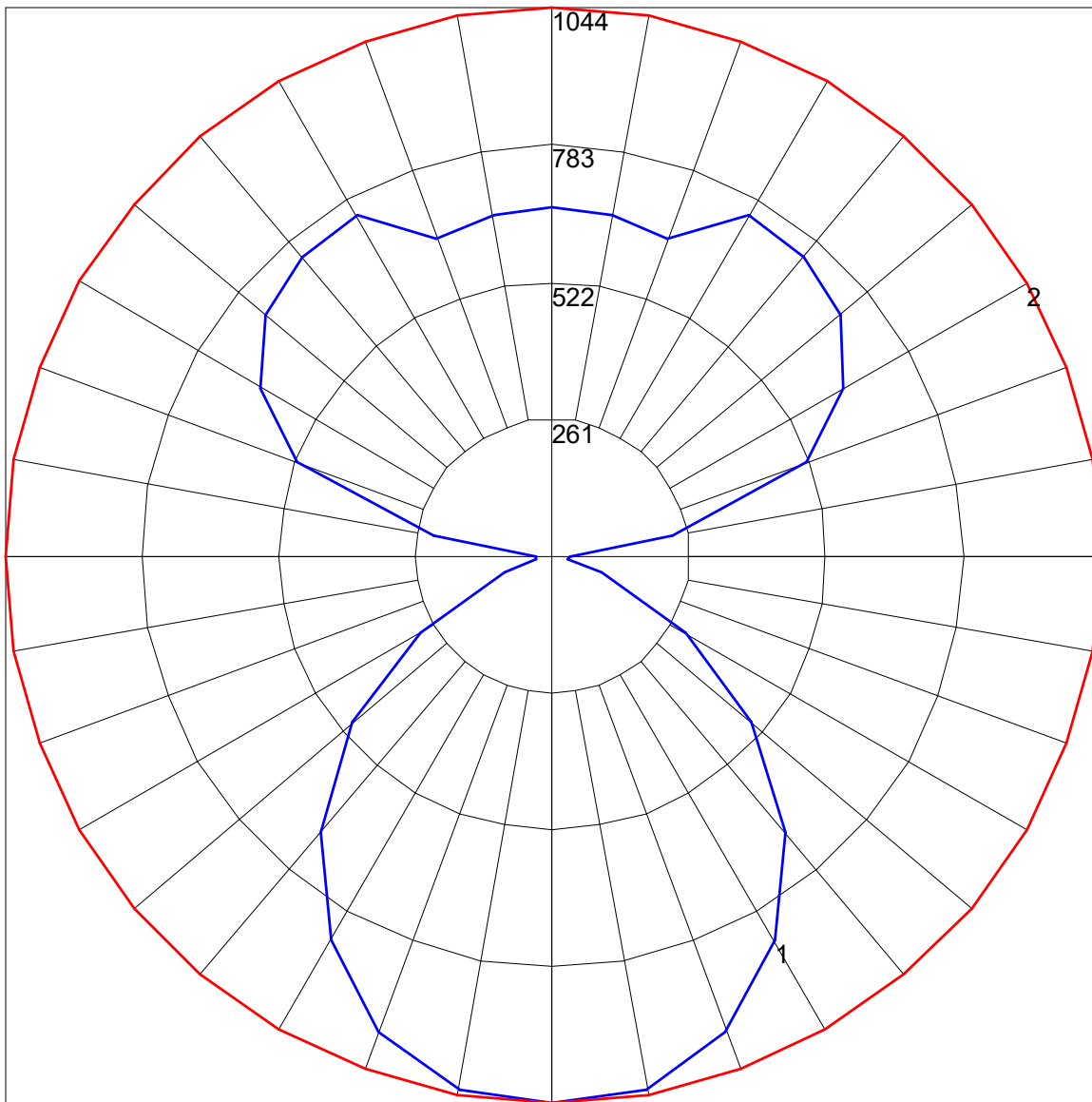
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	7.0	7.8	8.1	8.8	10.2	5.7	5.7	5.7	5.7	6.9
	3H	7.7	8.4	8.8	9.4	10.9	5.7	5.7	5.7	5.8	7.2
	4H	7.9	8.5	9.0	9.6	11.0	5.7	5.7	5.7	5.9	7.3
	6H	8.0	8.6	9.1	9.6	11.1	5.7	5.7	5.7	6.0	7.5
	8H	8.0	8.6	9.1	9.7	11.1	5.7	5.7	5.7	6.2	7.6
	12H	8.1	8.7	9.2	9.7	11.2	5.7	5.7	5.9	6.4	7.9
4H	2H	7.0	7.6	8.1	8.7	10.1	5.7	5.7	5.7	5.8	7.2
	3H	7.7	8.3	8.8	9.3	10.8	5.7	5.7	5.7	6.1	7.5
	4H	8.0	8.5	9.1	9.5	11.0	5.7	5.7	5.8	6.2	7.7
	6H	8.2	8.6	9.3	9.7	11.1	5.7	5.7	6.1	6.5	8.0
	8H	8.3	8.7	9.4	9.8	11.2	5.7	5.7	6.4	6.8	8.2
	12H	8.5	8.8	9.6	9.9	11.4	5.7	6.1	6.8	7.2	8.7
8H	4H	7.9	8.3	9.0	9.4	10.9	5.7	5.7	5.9	6.3	7.7
	6H	8.2	8.5	9.3	9.7	11.1	5.7	5.7	6.4	6.8	8.2
	8H	8.4	8.7	9.5	9.8	11.3	5.8	6.0	6.9	7.1	8.6
	12H	8.8	9.0	9.9	10.2	11.7	6.4	6.7	7.6	7.8	9.3
12H	4H	7.9	8.2	9.0	9.3	10.8	5.7	5.7	5.9	6.3	7.7
	6H	8.2	8.5	9.3	9.6	11.1	5.7	5.7	6.5	6.8	8.3
	8H	8.5	8.7	9.6	9.8	11.4	5.9	6.2	7.1	7.3	8.8

Maximum UGR = 11.7

POLAR GRAPH



Maximum Candela = 1043.847 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.)