



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-5050-FB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 VHO NW 50 50
[TESTLAB] Dekko
[TESTDATE] 03-31-2017
[ISSUE DATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-8-LED-5050-FB-VHO-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	7641
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	143.8
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	2997	2581	2263
55	2450	1769	1210
65	1641	814	375
75	721	234	128
85	177	269	183

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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	2065.566	2065.566	2065.566	2065.566	2065.566	2065.566	2065.566	2065.566	2065.566	2065.566
10	2036.707	2035.530	2032.972	2026.314	2021.499	2014.310	2004.658	1995.669	1987.683	1980.763
20	1909.585	1908.216	1903.611	1888.327	1867.321	1842.372	1823.563	1809.079	1795.715	1785.768
30	1683.123	1678.733	1657.419	1622.137	1596.596	1582.023	1565.833	1550.594	1532.478	1521.530
40	1372.974	1364.089	1319.376	1274.093	1244.573	1225.315	1212.984	1200.479	1177.265	1158.332
50	992.011	975.338	918.137	866.922	822.613	780.175	732.373	693.336	656.148	627.495
60	575.864	559.202	500.087	433.966	368.440	293.062	226.672	187.381	164.501	147.273
70	198.202	180.776	141.750	92.323	58.366	48.197	40.896	35.530	31.105	29.568
80	9.956	11.886	13.741	14.381	14.552	14.216	13.284	11.552	8.679	7.378
90	7.236	8.260	10.201	12.213	11.723	11.856	11.154	10.012	9.228	10.402
100	230.652	239.620	231.209	233.195	187.045	167.300	143.043	135.626	123.466	119.254
110	583.560	599.644	593.570	577.805	522.926	478.304	444.745	404.185	358.390	347.301
120	723.544	843.016	824.339	767.148	739.954	685.143	605.617	548.113	532.283	534.575
130	816.386	1050.828	792.736	948.947	786.399	747.371	685.565	673.830	673.025	675.429
140	842.673	888.555	913.456	802.863	801.996	789.128	790.851	790.367	791.163	791.429
150	819.988	825.068	839.620	847.812	859.657	868.088	873.076	874.404	874.327	879.227
160	878.681	879.180	889.755	900.470	906.933	912.612	916.733	920.158	921.530	925.368
170	915.176	912.600	915.730	922.132	925.554	928.504	930.064	933.734	934.165	940.832
180	923.117	923.117	923.117	923.117	923.117	923.117	923.117	923.117	923.117	923.117

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	742.96	N.A.	9.70
0-30	1542.02	N.A.	20.20
0-40	2437.97	N.A.	31.90
0-60	3751.44	N.A.	49.10
0-80	4013.25	N.A.	52.50
0-90	4025.64	N.A.	52.70
10-90	3830.93	N.A.	50.10
20-40	1695.01	N.A.	22.20
20-50	2492.63	N.A.	32.60
40-70	1525.1	N.A.	20.00
60-80	261.81	N.A.	3.40
70-80	50.18	N.A.	0.70
80-90	12.39	N.A.	0.20
90-110	462.16	N.A.	6.00
90-120	1047.79	N.A.	13.70
90-130	1709.66	N.A.	22.40
90-150	2859.98	N.A.	37.40
90-180	3615.6	N.A.	47.30
110-180	3153.44	N.A.	41.30
0-180	7641.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	194.72
10-20	548.24
20-30	799.06
30-40	895.95
40-50	797.62
50-60	515.85
60-70	211.63
70-80	50.18
80-90	12.39
90-100	104.80
100-110	357.37
110-120	585.63
120-130	661.87
130-140	623.43
140-150	526.89
150-160	407.86
160-170	259.53
170-180	88.24

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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	100	96	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47
2	92	85	79	75	85	79	74	70	68	65	62	58	56	53	49	47	45	41
3	84	76	69	64	78	71	65	60	61	57	53	52	49	46	44	42	40	36
4	78	68	60	55	72	63	57	52	55	50	46	47	44	41	40	37	35	32
5	72	61	53	47	66	57	50	45	50	44	40	43	39	36	36	34	31	28
6	66	55	47	42	61	51	45	40	45	40	36	39	35	32	33	30	28	25
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20
9	53	42	34	29	50	39	33	28	35	29	26	30	26	23	26	23	21	19
10	50	38	31	27	46	36	30	26	32	27	23	28	24	21	24	21	19	17

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UGR TABLE - CORRECTED

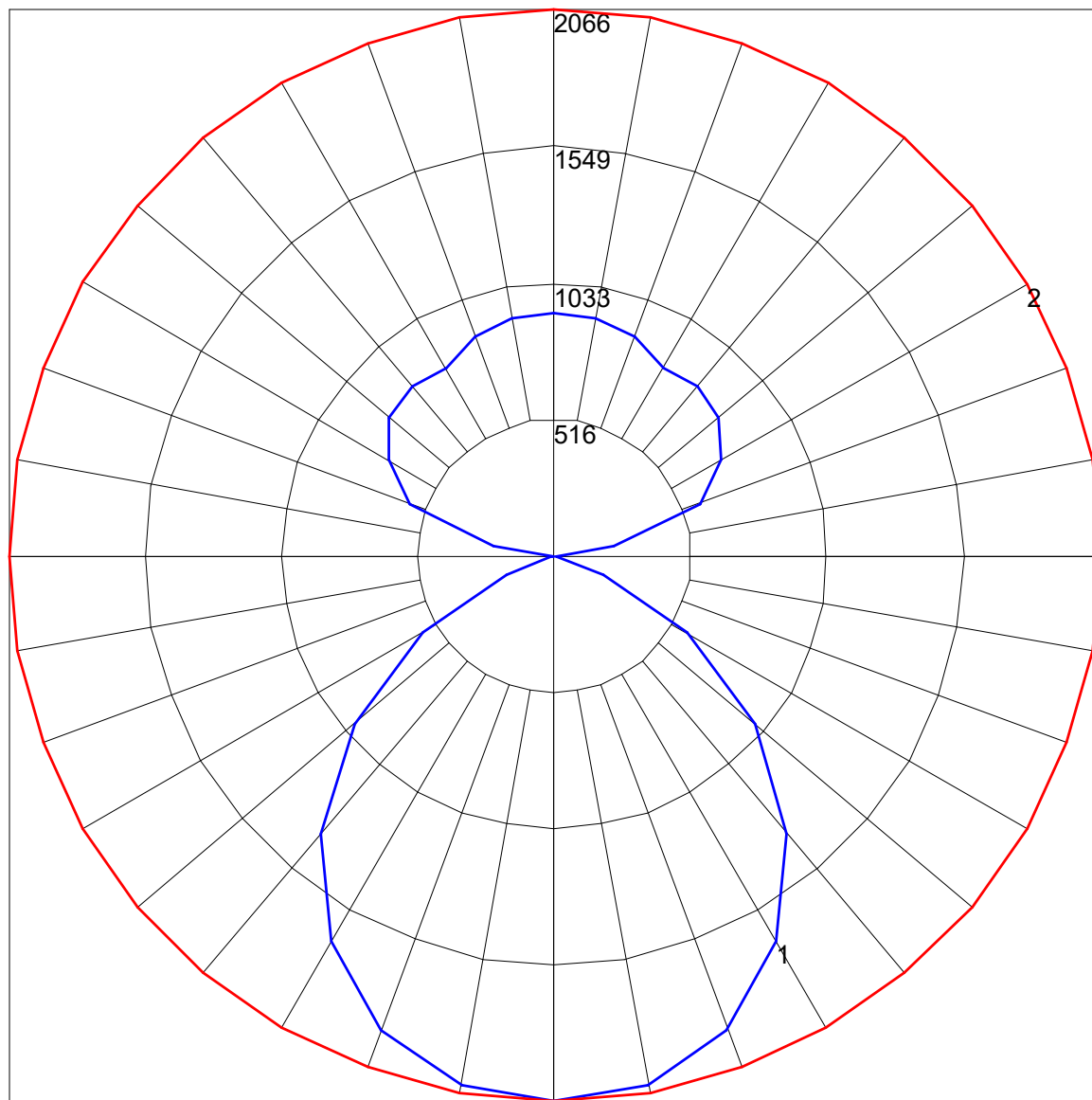
Reflectances

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	11.0	11.8	11.9	12.7	14.0	7.1	7.1	7.1	7.8	9.1
	3H	11.6	12.3	12.6	13.3	14.6	7.1	7.1	7.1	7.8	9.0
	4H	11.7	12.4	12.7	13.4	14.6	7.1	7.1	7.1	7.7	8.9
	6H	11.7	12.3	12.7	13.3	14.5	7.1	7.1	7.1	7.5	8.8
	8H	11.6	12.2	12.6	13.2	14.5	7.1	7.1	7.1	7.5	8.7
	12H	11.6	12.1	12.6	13.1	14.4	7.1	7.1	7.1	7.4	8.7
4H	2H	10.8	11.5	11.8	12.5	13.8	7.1	7.1	7.4	8.1	9.4
	3H	11.5	12.1	12.5	13.1	14.4	7.1	7.1	7.5	8.0	9.3
	4H	11.7	12.2	12.6	13.2	14.5	7.1	7.1	7.4	7.9	9.2
	6H	11.6	12.1	12.6	13.1	14.4	7.1	7.1	7.4	7.8	9.1
	8H	11.6	12.0	12.6	13.0	14.3	7.1	7.1	7.3	7.7	9.0
	12H	11.5	11.9	12.5	12.9	14.2	7.1	7.1	7.3	7.7	9.0
8H	4H	11.5	11.9	12.5	12.9	14.2	7.1	7.1	7.4	7.8	9.1
	6H	11.5	11.8	12.5	12.9	14.2	7.1	7.1	7.4	7.7	9.0
	8H	11.4	11.7	12.5	12.8	14.1	7.1	7.1	7.3	7.6	9.0
	12H	11.4	11.7	12.4	12.7	14.1	7.1	7.1	7.3	7.6	9.0
12H	4H	11.5	11.8	12.5	12.8	14.2	7.1	7.1	7.3	7.7	9.0
	6H	11.4	11.7	12.5	12.7	14.1	7.1	7.1	7.3	7.6	9.0
	8H	11.4	11.6	12.4	12.7	14.0	7.1	7.1	7.3	7.6	8.9

Maximum UGR = 14.6

POLAR GRAPH



Maximum Candela = 2065.566 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.)