



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 VHO NW 30 70
 [TESTLAB] Dekko
 [TESTDATE] 03-31-2017
 [ISSUE DATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-LED-3070-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	6004
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	143.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.20
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	3074	2653	2459
55	2352	1677	1297
65	1281	653	371
75	305	118	75
85	0	33	0

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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	2272.901	2272.901	2272.901	2272.901	2272.901	2272.901	2272.901	2272.901	2272.901	2272.901
10	2225.368	2217.217	2214.760	2214.202	2208.394	2202.016	2195.717	2189.254	2186.584	2182.699
20	2068.080	2065.207	2054.374	2038.199	2018.599	1988.902	1974.438	1963.139	1958.166	1956.021
30	1800.854	1798.116	1770.434	1731.756	1703.289	1690.436	1682.515	1679.379	1672.063	1673.178
40	1436.346	1425.030	1374.387	1328.674	1303.608	1288.525	1280.129	1272.143	1266.730	1263.842
50	989.268	968.391	906.408	857.530	816.949	777.520	727.797	700.191	682.769	676.695
60	515.940	497.066	432.343	374.370	310.340	241.428	195.685	171.259	157.849	153.403
70	87.996	86.202	72.243	42.206	33.530	30.388	26.981	24.069	22.553	21.721
80	0.000	0.746	1.673	2.171	2.528	1.867	1.068	0.351	0.000	0.000
90	0.000	0.661	1.236	1.584	1.407	0.587	0.000	0.000	0.000	0.000
100	109.112	89.299	82.933	121.260	96.958	100.577	90.488	75.945	59.038	50.961
110	293.947	276.875	246.340	231.481	229.575	248.597	226.238	213.447	184.944	178.903
120	405.233	396.663	374.352	349.787	323.680	311.101	299.658	283.070	266.550	268.633
130	455.285	453.807	448.320	428.570	412.413	399.563	370.656	352.437	347.483	347.587
140	486.375	493.919	492.505	481.104	460.165	429.387	420.702	417.968	417.575	417.853
150	480.475	480.210	475.434	474.971	466.183	465.752	466.088	465.634	466.658	467.079
160	481.310	482.579	493.163	495.287	495.479	495.995	496.579	498.031	499.408	500.544
170	501.574	501.400	504.423	510.158	516.144	517.418	518.911	518.114	517.760	516.896
180	510.312	510.312	510.312	510.312	510.312	510.312	510.312	510.312	510.312	510.312

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	810.59	N.A.	13.50
0-30	1673.01	N.A.	27.90
0-40	2627.68	N.A.	43.80
0-60	3949.73	N.A.	65.80
0-80	4144.83	N.A.	69.00
0-90	4145.79	N.A.	69.10
10-90	3932.14	N.A.	65.50
20-40	1817.09	N.A.	30.30
20-50	2641.43	N.A.	44.00
40-70	1493.44	N.A.	24.90
60-80	195.11	N.A.	3.20
70-80	23.71	N.A.	0.40
80-90	0.96	N.A.	0.00
90-110	218.49	N.A.	3.60
90-120	496.19	N.A.	8.30
90-130	822.98	N.A.	13.70
90-150	1443.09	N.A.	24.00
90-180	1857.87	N.A.	30.90
110-180	1639.37	N.A.	27.30
0-180	6003.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	213.65
10-20	596.94
20-30	862.42
30-40	954.66
40-50	824.35
50-60	497.70
60-70	171.39
70-80	23.71
80-90	0.96
90-100	48.61
100-110	169.88
110-120	277.70
120-130	326.79
130-140	330.44
140-150	289.67
150-160	223.26
160-170	142.69
170-180	48.82

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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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	74	74	74	69
1	104	100	97	94	98	95	92	90	85	83	81	76	75	73	68	67	66	62
2	96	90	84	80	91	85	80	76	77	73	70	69	66	64	62	60	58	55
3	89	80	74	68	84	76	71	66	69	65	61	63	59	56	56	54	52	48
4	82	72	65	59	78	69	62	57	63	58	53	57	53	50	52	48	46	43
5	76	65	58	52	72	62	56	50	57	51	47	52	47	44	47	44	41	38
6	70	59	52	46	67	57	50	45	52	46	42	47	43	39	43	40	37	34
7	66	54	46	41	62	52	45	40	47	42	38	44	39	35	40	36	33	31
8	61	49	42	37	58	47	41	36	44	38	34	40	35	32	37	33	30	28
9	57	45	38	33	54	44	37	32	40	35	31	37	32	29	34	30	27	25
10	54	42	35	30	51	40	34	30	37	32	28	34	30	27	32	28	25	23

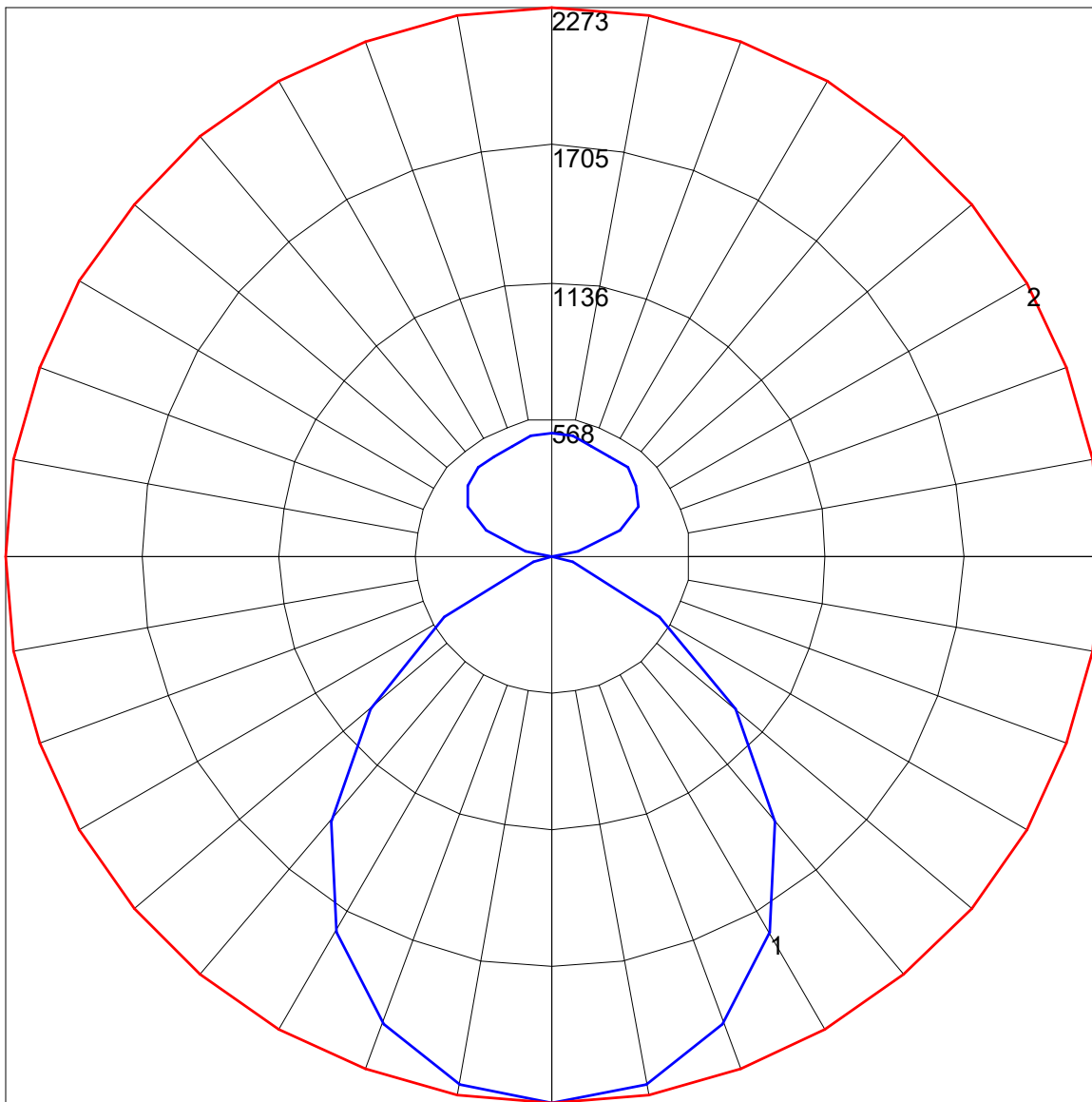
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UGR TABLE - CORRECTED

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	11.6	12.5	12.4	13.3	14.3	7.1	8.0	7.9	8.8	9.8
	3H	11.8	12.6	12.6	13.4	14.4	7.1	7.9	7.9	8.7	9.7
	4H	11.8	12.5	12.6	13.4	14.4	7.0	7.8	7.8	8.6	9.6
	6H	11.7	12.4	12.5	13.2	14.2	6.9	7.6	7.7	8.4	9.5
	8H	11.6	12.3	12.5	13.1	14.2	6.9	7.5	7.7	8.4	9.4
	12H	11.6	12.2	12.4	13.0	14.1	6.8	7.4	7.7	8.3	9.3
4H	2H	11.4	12.2	12.3	13.0	14.0	7.3	8.1	8.1	8.9	9.9
	3H	11.7	12.3	12.5	13.2	14.2	7.3	7.9	8.1	8.8	9.8
	4H	11.6	12.2	12.5	13.1	14.1	7.2	7.8	8.0	8.6	9.7
	6H	11.6	12.0	12.4	12.9	14.0	7.1	7.6	8.0	8.5	9.5
	8H	11.5	12.0	12.4	12.8	13.9	7.1	7.5	7.9	8.4	9.5
	12H	11.4	11.8	12.3	12.7	13.8	7.0	7.4	7.9	8.3	9.4
8H	4H	11.5	11.9	12.4	12.8	13.9	7.1	7.5	8.0	8.4	9.5
	6H	11.4	11.8	12.3	12.7	13.8	7.0	7.3	7.9	8.3	9.3
	8H	11.3	11.7	12.3	12.6	13.7	6.9	7.2	7.8	8.1	9.2
	12H	11.3	11.6	12.2	12.5	13.6	6.9	7.1	7.8	8.0	9.2
12H	4H	11.4	11.8	12.3	12.7	13.8	7.0	7.4	7.9	8.3	9.4
	6H	11.3	11.7	12.2	12.6	13.7	6.9	7.2	7.8	8.1	9.3
	8H	11.3	11.6	12.2	12.5	13.6	6.9	7.1	7.8	8.0	9.2

Maximum UGR = 14.4

POLAR GRAPH



Maximum Candela = 2272.901 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.)