



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FB-VHO-35.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-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	5806
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
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	2973	2565	2378
55	2274	1621	1254
65	1238	631	359
75	295	114	73
85	0	32	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	2197.895	2197.895	2197.895	2197.895	2197.895	2197.895	2197.895	2197.895	2197.895	2197.895
10	2151.931	2144.049	2141.673	2141.133	2135.517	2129.349	2123.259	2117.009	2114.427	2110.670
20	1999.833	1997.055	1986.580	1970.939	1951.986	1923.268	1909.281	1898.356	1893.546	1891.472
30	1741.426	1738.779	1712.009	1674.608	1647.080	1634.651	1626.992	1623.959	1616.885	1617.963
40	1388.947	1378.004	1329.032	1284.828	1260.589	1246.003	1237.885	1230.162	1224.928	1222.135
50	956.622	936.434	876.497	829.231	789.990	751.862	703.780	677.085	660.237	654.364
60	498.914	480.663	418.076	362.016	300.099	233.461	189.228	165.608	152.640	148.341
70	85.092	83.357	69.859	40.813	32.423	29.385	26.090	23.275	21.809	21.004
80	0.000	0.722	1.617	2.100	2.445	1.806	1.033	0.339	0.000	0.000
90	0.000	0.639	1.195	1.532	1.361	0.568	0.000	0.000	0.000	0.000
100	105.511	86.353	80.197	117.258	93.758	97.258	87.502	73.439	57.090	49.280
110	284.247	267.738	238.211	223.842	221.999	240.393	218.773	206.403	178.841	172.999
120	391.860	383.573	361.998	338.244	312.998	300.835	289.769	273.729	257.754	259.768
130	440.261	438.832	433.526	414.427	398.803	386.377	358.424	340.806	336.016	336.116
140	470.325	477.619	476.253	465.227	444.979	415.217	406.819	404.175	403.795	404.064
150	464.620	464.363	459.744	459.297	450.799	450.382	450.707	450.268	451.258	451.666
160	465.427	466.654	476.889	478.943	479.128	479.627	480.192	481.596	482.928	484.026
170	485.022	484.853	487.777	493.323	499.111	500.343	501.787	501.017	500.674	499.838
180	493.471	493.471	493.471	493.471	493.471	493.471	493.471	493.471	493.471	493.471

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	783.84	N.A.	13.50
0-30	1617.8	N.A.	27.90
0-40	2540.96	N.A.	43.80
0-60	3819.39	N.A.	65.80
0-80	4008.05	N.A.	69.00
0-90	4008.98	N.A.	69.10
10-90	3802.38	N.A.	65.50
20-40	1757.12	N.A.	30.30
20-50	2554.27	N.A.	44.00
40-70	1444.16	N.A.	24.90
60-80	188.67	N.A.	3.20
70-80	22.93	N.A.	0.40
80-90	0.93	N.A.	0.00
90-110	211.28	N.A.	3.60
90-120	479.82	N.A.	8.30
90-130	795.82	N.A.	13.70
90-150	1395.47	N.A.	24.00
90-180	1796.56	N.A.	30.90
110-180	1585.27	N.A.	27.30
0-180	5805.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.60
10-20	577.24
20-30	833.96
30-40	923.16
40-50	797.14
50-60	481.28
60-70	165.74
70-80	22.93
80-90	0.93
90-100	47.01
100-110	164.27
110-120	268.53
120-130	316.01
130-140	319.53
140-150	280.12
150-160	215.89
160-170	137.99
170-180	47.21

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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

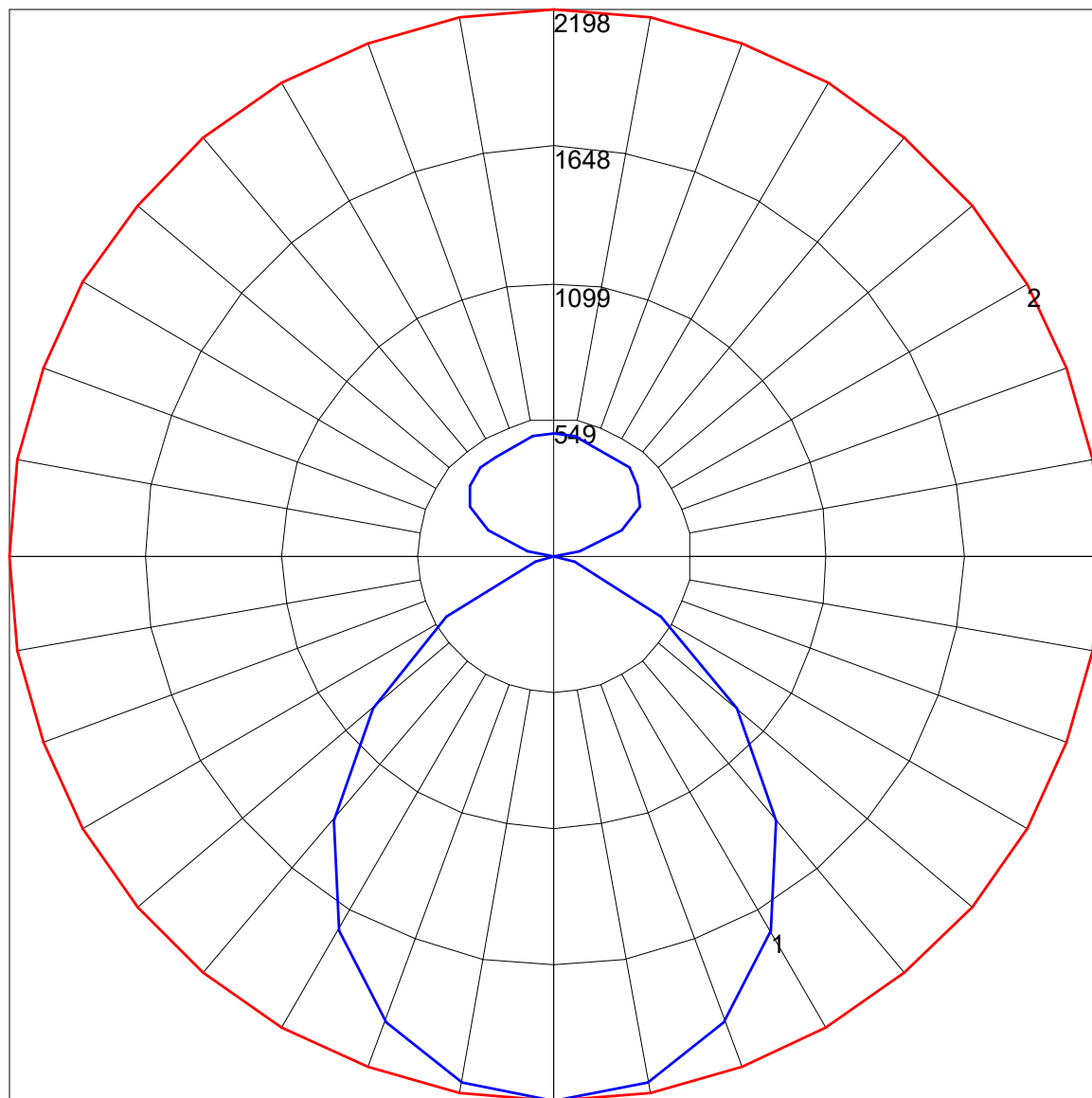
Reflectances

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	11.5	12.4	12.3	13.2	14.2	7.0	7.9	7.8	8.7	9.7
	3H	11.7	12.5	12.5	13.3	14.3	7.0	7.8	7.8	8.6	9.6
	4H	11.7	12.4	12.5	13.3	14.3	6.9	7.7	7.7	8.5	9.5
	6H	11.6	12.3	12.4	13.1	14.1	6.8	7.5	7.6	8.3	9.4
	8H	11.5	12.2	12.4	13.0	14.1	6.8	7.4	7.6	8.3	9.3
	12H	11.5	12.1	12.3	12.9	14.0	6.7	7.3	7.6	8.2	9.2
4H	2H	11.3	12.1	12.2	12.9	13.9	7.2	8.0	8.0	8.8	9.8
	3H	11.6	12.2	12.4	13.1	14.1	7.2	7.8	8.0	8.7	9.7
	4H	11.5	12.1	12.4	13.0	14.0	7.1	7.7	7.9	8.5	9.6
	6H	11.5	11.9	12.3	12.8	13.9	7.0	7.5	7.9	8.4	9.4
	8H	11.4	11.9	12.3	12.7	13.8	7.0	7.4	7.8	8.3	9.4
	12H	11.3	11.7	12.2	12.6	13.7	6.9	7.3	7.8	8.2	9.3
8H	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	8.2	9.2
	8H	11.2	11.6	12.2	12.5	13.6	6.8	7.1	7.7	8.0	9.1
	12H	11.2	11.5	12.1	12.4	13.5	6.8	7.0	7.7	7.9	9.1
12H	4H	11.3	11.7	12.2	12.6	13.7	6.9	7.3	7.8	8.2	9.3
	6H	11.2	11.6	12.1	12.5	13.6	6.8	7.1	7.7	8.0	9.2
	8H	11.2	11.5	12.1	12.4	13.5	6.8	7.0	7.7	7.9	9.1

Maximum UGR = 14.3

POLAR GRAPH



Maximum Candela = 2197.895 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.)