IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FL-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 30 70_Scaled
[TESTLAB] Dekko
[ISSUEDATE] 6/29/2017
[TESTDATE] 04-03-2017
[LUMCAT] CURV-8-LED-3070-FL-SS-35
[MANUFAC] LSI INDUSTRIES, INC.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7068
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	82
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.60
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.56
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	3383	2991	2419
55	3383	3011	2343
65	3211	2926	2193
75	2990	2783	1980
85	3511	3354	2468

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0	1382.101	1382.101	1382.101	1382.101	1382.101	1382.101	1382.101	1382.101	1382.101	1382.101
10	1407.874	1407.874	1399.820	1391.766	1385.322	1374.046	1367.603	1362.771	1357.938	1357.938
20	1465.864	1459.421	1441.702	1419.150	1391.766	1364.381	1338.608	1316.056	1301.559	1299.948
30	1498.081	1486.805	1464.254	1425.593	1380.490	1328.943	1279.007	1237.125	1203.297	1193.632
40	1433.648	1425.593	1396.598	1356.327	1299.948	1237.125	1166.248	1108.258	1067.987	1048.657
50	1235.514	1227.460	1208.130	1174.302	1124.366	1058.322	993.888	932.676	882.740	860.189
60	929.455	926.233	914.957	892.405	860.189	811.863	760.316	707.159	663.666	639.503
70	584.735	586.346	581.513	576.681	557.351	529.966	486.474	455.868	425.262	394.656
80	278.675	281.897	281.897	277.064	267.399	252.902	235.183	214.242	194.912	177.192
90	62.823	64.434	64.434	66.044	66.044	66.044	64.434	62.823	62.823	62.823
100	185.247	188.468	199.744	202.966	188.468	157.862	140.143	125.646	112.759	106.315
110	357.606	376.937	351.163	344.720	338.276	312.503	291.562	254.513	212.631	204.577
120	500.971	475.198	452.646	431.705	417.208	384.991	354.385	320.557	288.340	278.675
130	560.572	409.153	515.469	475.198	447.814	420.429	402.710	370.493	347.941	339.887
140	563.794	441.370	513.858	486.474	436.538	470.365	439.759	410.764	396.267	393.045
150	546.075	517.080	412.375	509.025	518.690	449.424	426.873	430.094	431.705	433.316
160	520.301	534.799	462.311	420.429	441.370	475.198	484.863	478.419	467.144	462.311
170	489.695	504.193	499.360	478.419	452.646	434.927	426.873	423.651	423.651	425.262
180	494.528	494.528	494.528	494.528	494.528	494.528	494.528	494.528	494.528	494.528

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	523.15	N.A.	7.40
0-30	1154.89	N.A.	16.30
0-40	1973.31	N.A.	27.90
0-60	3720.51	N.A.	52.60
0-80	4789.69	N.A.	67.80
0-90	4960.22	N.A.	70.20
10-90	4828.33	N.A.	68.30
20-40	1450.16	N.A.	20.50
20-50	2351.48	N.A.	33.30
40-70	2409.52	N.A.	34.10
60-80	1069.18	N.A.	15.10
70-80	406.86	N.A.	5.80
80-90	170.53	N.A.	2.40
90-110	372.09	N.A.	5.30
90-120	718.31	N.A.	10.20
90-130	1084.86	N.A.	15.30
90-150	1713.56	N.A.	24.20
90-180	2107.57	N.A.	29.80
110-180	1735.48	N.A.	24.60
0-180	7067.79	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	131.88
10-20	391.27
20-30	631.73
30-40	818.42
40-50	901.32
50-60	845.87
60-70	662.32
70-80	406.86
80-90	170.53
90-100	123.76
100-110	248.33
110-120	346.22
120-130	366.55
130-140	340.47
140-150	288.23
150-160	217.05
160-170	131.61
170-180	45.35

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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	106	106	106	106	95	95	95	84	84	84	75	75	75	70
1	101	96	92	88	96	91	87	84	82	79	76	73	70	68	65	63	61	57
2	92	84	77	71	86	79	73	68	71	66	62	63	59	56	56	53	51	47
3	83	73	65	58	78	69	62	56	62	56	51	55	51	47	49	45	42	39
4	76	64	55	49	71	61	53	47	55	48	43	49	44	39	43	39	36	33
5	70	57	48	42	65	54	46	40	49	42	37	44	38	34	39	34	31	28
6	64	51	42	36	60	48	40	35	44	37	32	39	34	29	35	30	27	24
7	59	46	37	31	56	44	36	30	39	33	28	35	30	26	32	27	24	21
8	55	42	33	28	52	40	32	27	36	29	25	32	27	23	29	24	21	19
9	51	38	30	24	48	36	29	24	33	26	22	30	24	20	27	22	19	17
10	48	35	27	22	45	33	26	21	30	24	20	27	22	18	25	20	17	15

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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	14.8	15.9	15.6	16.7	17.7	13.0	14.1	13.7	14.9	15.8
	3H	16.7	17.7	17.5	18.5	19.5	14.7	15.7	15.5	16.5	17.5
	4H	17.4	18.4	18.2	19.2	20.2	15.4	16.3	16.1	17.1	18.1
	6H	18.0	18.9	18.8	19.7	20.7	15.8	16.7	16.6	17.6	18.6
	8H	18.3	19.1	19.1	20.0	21.0	16.1	16.9	16.9	17.7	18.7
	12H	18.5	19.3	19.3	20.1	21.2	16.3	17.1	17.1	17.9	18.9
4H	2H	15.3	16.3	16.1	17.1	18.1	13.9	14.8	14.7	15.6	16.6
	3H	17.4	18.3	18.2	19.1	20.1	15.8	16.6	16.6	17.5	18.5
	4H	18.3	19.1	19.2	19.9	21.0	16.6	17.4	17.4	18.2	19.2
	6H	19.1	19.7	19.9	20.6	21.6	17.2	17.9	18.1	18.8	19.8
	8H	19.4	20.0	20.3	20.9	21.9	17.5	18.1	18.4	19.0	20.0
	12H	19.7	20.3	20.6	21.1	22.2	17.8	18.3	18.6	19.2	20.3
8H	4H	18.6	19.2	19.5	20.1	21.1	17.1	17.7	18.0	18.6	19.7
	6H	19.5	20.0	20.4	20.9	22.0	17.9	18.4	18.8	19.3	20.4
	8H	20.0	20.4	20.8	21.3	22.4	18.3	18.8	19.2	19.7	20.7
	12H	20.4	20.8	21.3	21.7	22.8	18.7	19.1	19.6	20.0	21.1
12H	4H	18.6	19.2	19.5	20.0	21.1	17.2	17.8	18.1	18.6	19.7
	6H	19.6	20.1	20.5	20.9	22.0	18.1	18.5	19.0	19.4	20.5
	8H	20.1	20.5	21.0	21.4	22.5	18.6	18.9	19.4	19.8	21.0

Maximum UGR = 22.8

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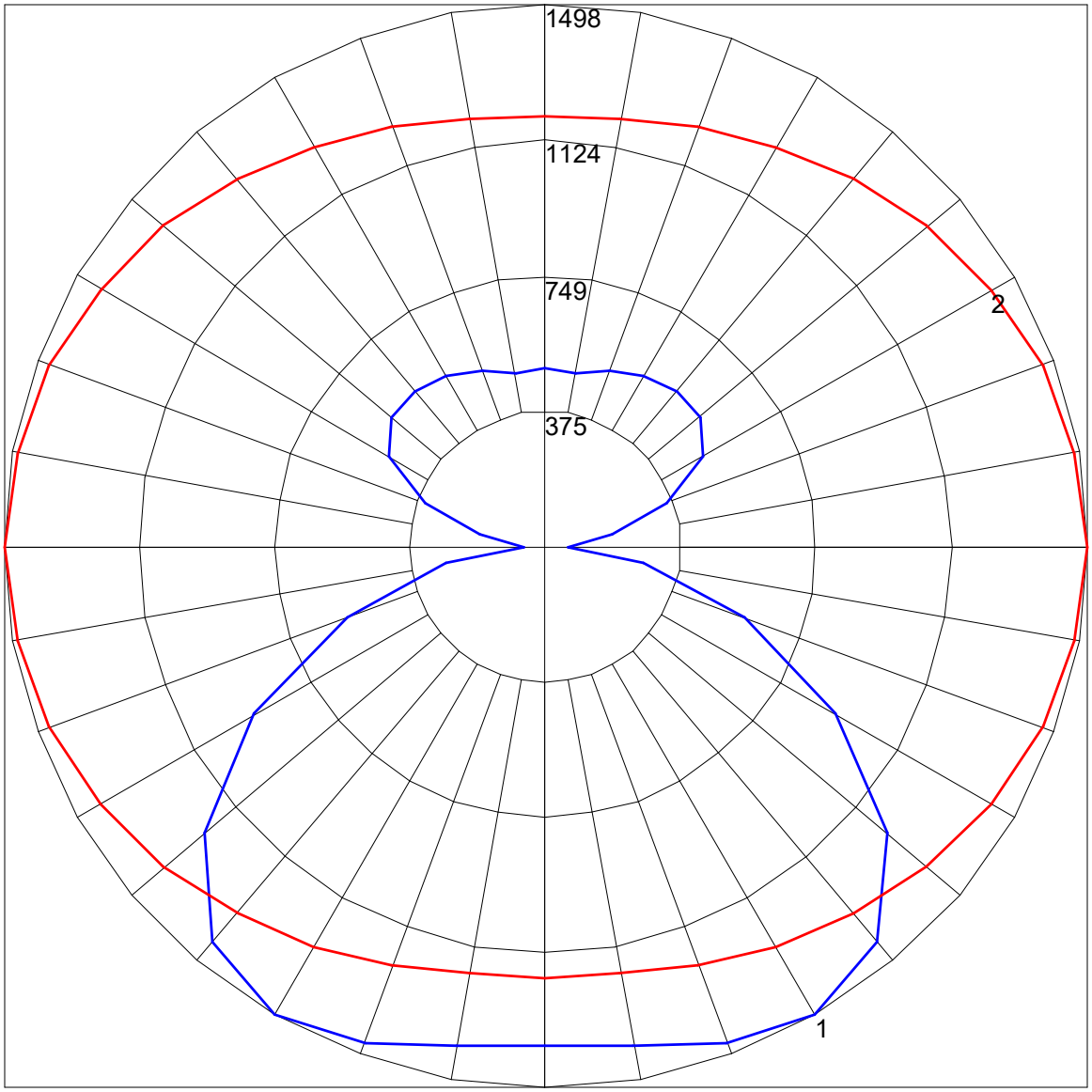
POLAR GRAPH



Maximum Candela = 1498.081 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)