



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CURV-4-LED-3070-FL-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L450 VHO NW 30 70
[TESTLAB] Dekko
[ISSUE DATE] 6/29/2017
[TEST DATE] 04-03-2017
[LUMCAT] CURV-4-LED-3070-FL-VHO-40
[MANUFAC] LSI INDUSTRIES, INC
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6472
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	71.9
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)	4.00 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	6198	5477	4431
55	6198	5514	4289
65	5884	5357	4015
75	5481	5099	3629
85	6430	6140	4507

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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	1265.987	1265.987	1265.987	1265.987	1265.987	1265.987	1265.987	1265.987	1265.987	1265.987
10	1289.600	1288.454	1281.768	1274.472	1268.100	1258.377	1252.148	1248.107	1242.957	1243.335
20	1342.526	1336.092	1319.759	1300.136	1274.785	1249.338	1225.101	1205.643	1192.051	1190.093
30	1372.104	1361.835	1340.319	1305.933	1263.724	1217.285	1171.333	1132.360	1102.048	1093.111
40	1313.433	1304.966	1278.347	1241.567	1190.742	1132.524	1067.196	1015.017	978.637	960.648
50	1131.924	1124.521	1106.160	1074.670	1029.251	969.425	910.531	854.298	807.650	787.573
60	851.653	848.638	837.399	817.244	787.998	742.720	695.519	647.494	607.017	585.065
70	535.750	536.829	532.587	527.935	510.698	485.021	445.887	417.831	388.968	361.719
80	255.712	258.703	258.115	253.473	245.276	231.784	215.086	196.095	178.344	162.265
90	56.988	58.367	59.730	60.170	60.322	59.789	58.987	58.081	57.407	56.907
100	169.514	172.386	182.660	186.579	173.256	145.164	127.832	115.462	102.719	97.266
110	327.069	344.728	322.144	315.520	309.156	285.997	267.636	233.332	194.380	187.474
120	458.903	434.525	414.069	395.372	381.655	352.265	324.591	293.217	264.220	255.505
130	513.827	373.969	472.569	435.765	409.438	384.866	368.129	339.492	318.293	310.747
140	516.554	403.974	471.233	446.046	399.198	430.713	402.299	376.062	362.713	359.757
150	500.737	473.316	377.264	465.407	475.581	411.385	390.335	393.173	394.770	396.805
160	476.176	489.496	423.375	385.637	403.973	435.568	443.661	438.006	428.164	422.757
170	448.494	462.185	457.390	438.618	414.361	398.147	390.399	388.381	388.422	389.729
180	452.486	452.486	452.486	452.486	452.486	452.486	452.486	452.486	452.486	452.486

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	479.05	N.A.	7.40
0-30	1057.54	N.A.	16.30
0-40	1806.97	N.A.	27.90
0-60	3406.76	N.A.	52.60
0-80	4385.83	N.A.	67.80
0-90	4541.95	N.A.	70.20
10-90	4421.18	N.A.	68.30
20-40	1327.92	N.A.	20.50
20-50	2153.23	N.A.	33.30
40-70	2206.22	N.A.	34.10
60-80	979.07	N.A.	15.10
70-80	372.64	N.A.	5.80
80-90	156.12	N.A.	2.40
90-110	340.73	N.A.	5.30
90-120	657.67	N.A.	10.20
90-130	993.20	N.A.	15.30
90-150	1568.78	N.A.	24.20
90-180	1929.55	N.A.	29.80
110-180	1588.82	N.A.	24.60
0-180	6471.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	120.78
10-20	358.27
20-30	578.50
30-40	749.42
40-50	825.31
50-60	774.48
60-70	606.43
70-80	372.64
80-90	156.12
90-100	113.30
100-110	227.43
110-120	316.94
120-130	335.53
130-140	311.72
140-150	263.86
150-160	198.71
160-170	120.54
170-180	41.52

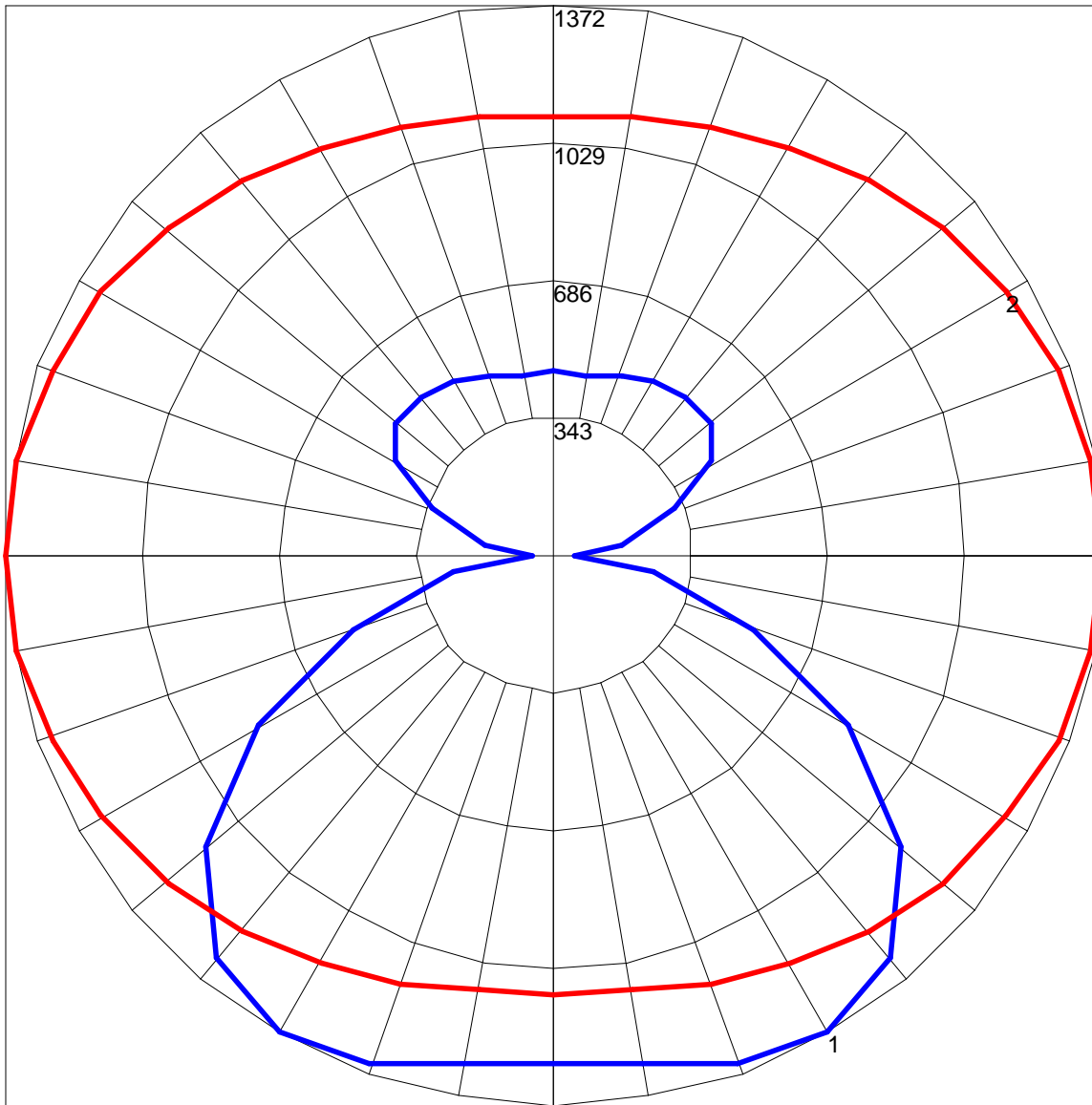
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1372.104 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.)