



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-VHO-30.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-4-LED-3070-FB-VHO-30
 [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	2816
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	71.9
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)	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	2884	2488	2307
55	2206	1573	1217
65	1201	612	348
75	286	111	71
85	0	31	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	1065.991	1065.991	1065.991	1065.991	1065.991	1065.991	1065.991	1065.991	1065.991	1065.991
10	1043.698	1039.875	1038.722	1038.461	1035.737	1032.745	1029.792	1026.760	1025.508	1023.686
20	969.929	968.582	963.501	955.915	946.723	932.795	926.011	920.712	918.380	917.374
30	844.601	843.317	830.333	812.194	798.842	792.814	789.099	787.629	784.198	784.721
40	673.646	668.339	644.588	623.148	611.392	604.318	600.380	596.635	594.096	592.742
50	463.967	454.175	425.105	402.181	383.149	364.657	341.337	328.390	320.219	317.370
60	241.976	233.124	202.769	175.579	145.549	113.230	91.776	80.321	74.031	71.946
70	41.270	40.429	33.882	19.794	15.725	14.252	12.654	11.288	10.577	10.187
80	0.000	0.350	0.784	1.018	1.186	0.876	0.501	0.165	0.000	0.000
90	0.000	0.310	0.580	0.743	0.660	0.275	0.000	0.000	0.000	0.000
100	51.173	41.881	38.896	56.871	45.473	47.171	42.439	35.618	27.689	23.901
110	137.861	129.854	115.533	108.564	107.671	116.592	106.106	100.107	86.739	83.905
120	190.054	186.035	175.571	164.050	151.806	145.906	140.540	132.760	125.012	125.989
130	213.529	212.836	210.262	200.999	193.422	187.395	173.838	165.293	162.970	163.018
140	228.110	231.648	230.985	225.638	215.817	201.383	197.309	196.027	195.843	195.973
150	225.343	225.218	222.978	222.761	218.640	218.438	218.595	218.382	218.862	219.060
160	225.734	226.329	231.294	232.290	232.380	232.622	232.896	233.576	234.223	234.755
170	235.238	235.156	236.575	239.264	242.071	242.669	243.369	242.996	242.830	242.424
180	239.336	239.336	239.336	239.336	239.336	239.336	239.336	239.336	239.336	239.336

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	380.17	N.A.	13.50
0-30	784.64	N.A.	27.90
0-40	1232.38	N.A.	43.80
0-60	1852.42	N.A.	65.80
0-80	1943.93	N.A.	69.00
0-90	1944.38	N.A.	69.10
10-90	1844.17	N.A.	65.50
20-40	852.21	N.A.	30.30
20-50	1238.83	N.A.	44.00
40-70	700.43	N.A.	24.90
60-80	91.50	N.A.	3.20
70-80	11.12	N.A.	0.40
80-90	0.45	N.A.	0.00
90-110	102.47	N.A.	3.60
90-120	232.71	N.A.	8.30
90-130	385.98	N.A.	13.70
90-150	676.81	N.A.	24.00
90-180	871.34	N.A.	30.90
110-180	768.87	N.A.	27.30
0-180	2815.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.20
10-20	279.96
20-30	404.48
30-40	447.74
40-50	386.62
50-60	233.42
60-70	80.38
70-80	11.12
80-90	0.45
90-100	22.80
100-110	79.67
110-120	130.24
120-130	153.26
130-140	154.97
140-150	135.86
150-160	104.71
160-170	66.92
170-180	22.90

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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

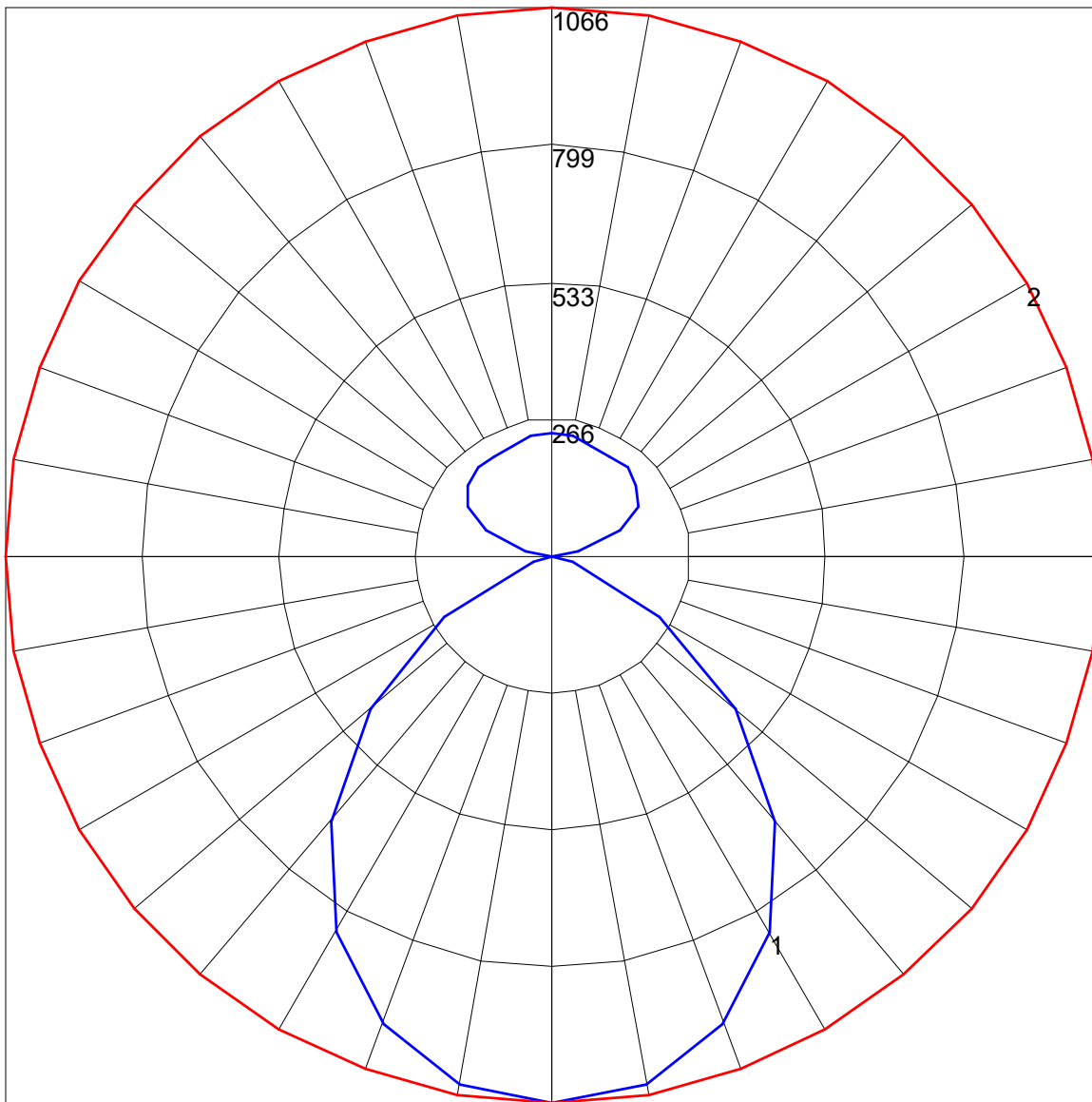
Reflectances

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	11.4	12.3	12.2	13.1	14.1	6.9	7.9	7.7	8.7	9.6
	3H	11.6	12.4	12.4	13.2	14.3	6.9	7.7	7.7	8.5	9.5
	4H	11.6	12.3	12.4	13.2	14.2	6.8	7.6	7.6	8.4	9.4
	6H	11.5	12.2	12.3	13.0	14.1	6.7	7.4	7.6	8.3	9.3
	8H	11.4	12.1	12.3	12.9	14.0	6.7	7.3	7.5	8.2	9.2
	12H	11.4	12.0	12.2	12.9	13.9	6.6	7.2	7.5	8.1	9.1
4H	2H	11.2	12.0	12.1	12.8	13.8	7.1	7.9	7.9	8.7	9.7
	3H	11.5	12.1	12.3	13.0	14.0	7.1	7.7	7.9	8.6	9.6
	4H	11.4	12.0	12.3	12.9	13.9	7.0	7.6	7.9	8.4	9.5
	6H	11.4	11.9	12.2	12.7	13.8	6.9	7.4	7.8	8.3	9.4
	8H	11.3	11.8	12.2	12.6	13.7	6.9	7.3	7.7	8.2	9.3
	12H	11.3	11.6	12.1	12.5	13.6	6.8	7.2	7.7	8.1	9.2
8H	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	8.1	9.1
	8H	11.1	11.5	12.1	12.4	13.5	6.7	7.0	7.6	8.0	9.1
	12H	11.1	11.4	12.0	12.3	13.4	6.7	6.9	7.6	7.8	9.0
12H	4H	11.2	11.6	12.1	12.5	13.6	6.8	7.2	7.7	8.1	9.2
	6H	11.1	11.5	12.1	12.4	13.5	6.7	7.0	7.6	7.9	9.1
	8H	11.1	11.4	12.0	12.3	13.4	6.7	6.9	7.6	7.8	9.0

Maximum UGR = 14.3

POLAR GRAPH



Maximum Candela = 1065.991 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.)