



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-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-8-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	5631
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
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	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	2131.981	2131.981	2131.981	2131.981	2131.981	2131.981	2131.981	2131.981	2131.981	2131.981
10	2087.395	2079.750	2077.445	2076.922	2071.473	2065.491	2059.583	2053.520	2051.016	2047.372
20	1939.859	1937.164	1927.003	1911.831	1893.446	1865.590	1852.023	1841.425	1836.760	1834.748
30	1689.201	1686.633	1660.667	1624.387	1597.685	1585.629	1578.199	1575.258	1568.395	1569.441
40	1347.293	1336.678	1289.175	1246.296	1222.784	1208.636	1200.761	1193.270	1188.193	1185.484
50	927.933	908.350	850.211	804.363	766.299	729.314	682.674	656.780	640.437	634.740
60	483.952	466.248	405.538	351.159	291.099	226.459	183.553	160.641	148.062	143.892
70	82.540	80.857	67.764	39.589	31.451	28.504	25.308	22.577	21.154	20.374
80	0.000	0.700	1.569	2.037	2.371	1.752	1.002	0.329	0.000	0.000
90	0.000	0.620	1.159	1.486	1.320	0.551	0.000	0.000	0.000	0.000
100	102.347	83.763	77.791	113.742	90.946	94.342	84.878	71.236	55.378	47.802
110	275.722	259.709	231.067	217.129	215.341	233.184	212.212	200.214	173.478	167.811
120	380.108	372.070	351.142	328.101	303.612	291.813	281.079	265.520	250.024	251.978
130	427.058	425.671	420.525	401.999	386.843	374.790	347.675	330.585	325.939	326.036
140	456.220	463.296	461.970	451.275	431.634	402.765	394.619	392.054	391.686	391.946
150	450.686	450.437	445.957	445.522	437.279	436.875	437.191	436.765	437.725	438.120
160	451.469	452.659	462.587	464.580	464.759	465.244	465.791	467.153	468.445	469.510
170	470.476	470.313	473.149	478.528	484.143	485.338	486.738	485.991	485.659	484.849
180	478.672	478.672	478.672	478.672	478.672	478.672	478.672	478.672	478.672	478.672

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	760.33	N.A.	13.50
0-30	1569.29	N.A.	27.90
0-40	2464.76	N.A.	43.80
0-60	3704.84	N.A.	65.80
0-80	3887.85	N.A.	69.00
0-90	3888.76	N.A.	69.10
10-90	3688.35	N.A.	65.50
20-40	1704.43	N.A.	30.30
20-50	2477.67	N.A.	44.00
40-70	1400.85	N.A.	24.90
60-80	183.01	N.A.	3.20
70-80	22.24	N.A.	0.40
80-90	0.90	N.A.	0.00
90-110	204.95	N.A.	3.60
90-120	465.43	N.A.	8.30
90-130	771.96	N.A.	13.70
90-150	1353.62	N.A.	24.00
90-180	1742.68	N.A.	30.90
110-180	1537.73	N.A.	27.30
0-180	5631.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	200.41
10-20	559.93
20-30	808.95
30-40	895.48
40-50	773.24
50-60	466.85
60-70	160.77
70-80	22.24
80-90	0.90
90-100	45.60
100-110	159.35
110-120	260.48
120-130	306.53
130-140	309.95
140-150	271.71
150-160	209.42
160-170	133.85
170-180	45.80

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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	69	84	77	71	66	69	65	61	63	59	56	57	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	35	30	27	32	28	25	23

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UGR TABLE - CORRECTED

Reflectances

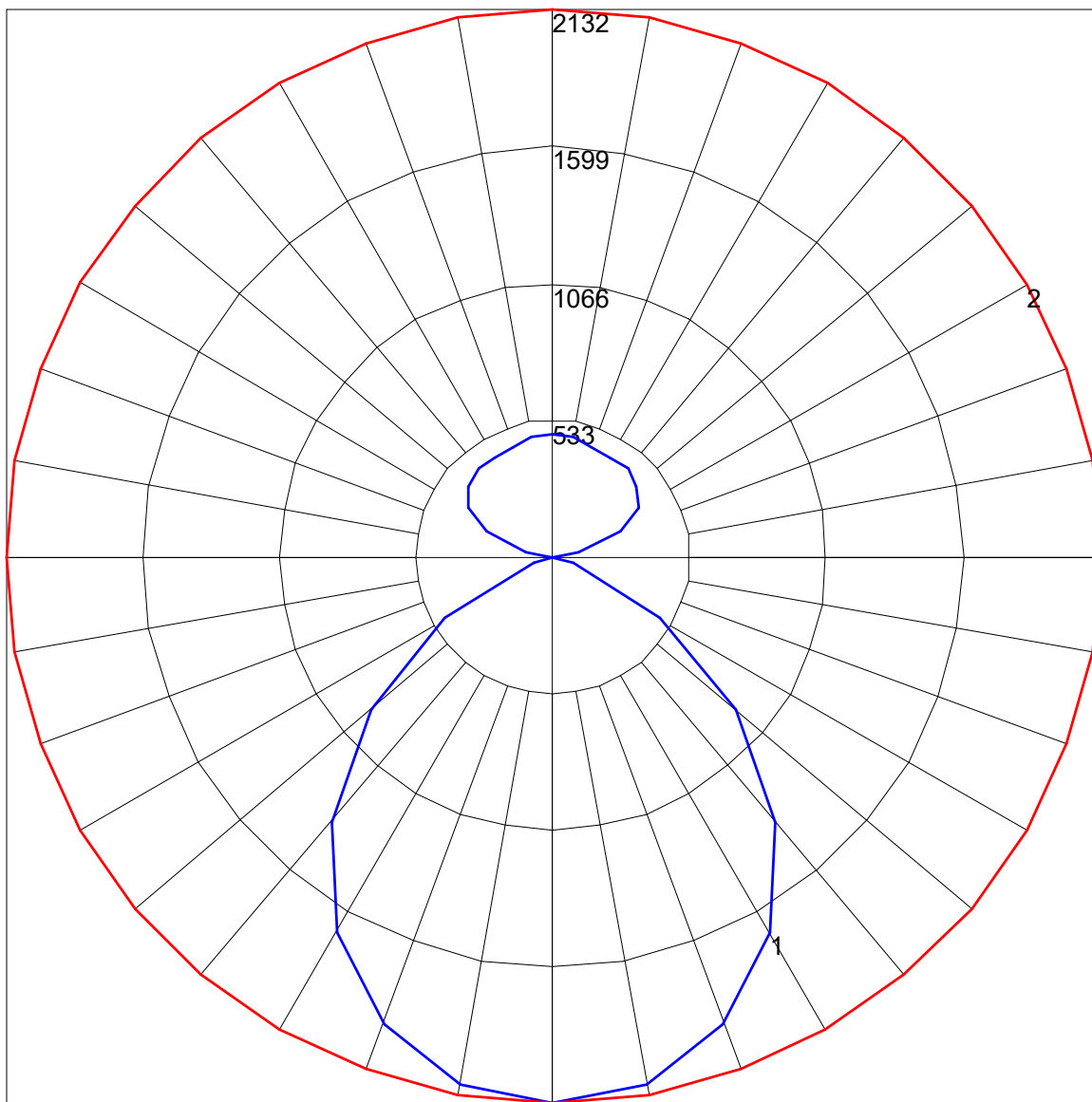
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	11.4	12.3	12.2	13.1	14.1	6.9	7.8	7.7	8.6	9.6
	3H	11.6	12.4	12.4	13.2	14.2	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	14.0	6.7	7.4	7.5	8.2	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	12.8	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	7.8	8.4	9.5
	6H	11.4	11.8	12.2	12.7	13.8	6.9	7.4	7.8	8.3	9.3
	8H	11.3	11.8	12.2	12.6	13.7	6.9	7.3	7.7	8.2	9.3
	12H	11.2	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	7.9	9.0
	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	12.0	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 = 14.2

POLAR GRAPH



Maximum Candela = 2131.981 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.)