



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-8-LED-3070-FB-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L445 HO NW 30 70
 [TESTLAB] Dekko
 [TESTDATE] 04-05-2017
 [ISSUE DATE] 9/2/2020
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CURV-8-LED-3070-FB-HO-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	3818
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	96.8
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	1955	1687	1564
55	1496	1066	825
65	814	415	236
75	194	75	48
85	0	21	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	1445.411	1445.411	1445.411	1445.411	1445.411	1445.411	1445.411	1445.411	1445.411	1445.411
10	1415.183	1410.000	1408.437	1408.082	1404.389	1400.333	1396.327	1392.217	1390.519	1388.049
20	1315.159	1313.331	1306.443	1296.157	1283.692	1264.807	1255.609	1248.424	1245.261	1243.897
30	1145.221	1143.480	1125.876	1101.280	1083.176	1075.002	1069.965	1067.971	1063.319	1064.028
40	913.419	906.222	874.017	844.947	829.006	819.414	814.075	808.997	805.554	803.718
50	629.107	615.831	576.414	545.331	519.524	494.450	462.830	445.274	434.195	430.332
60	328.103	316.100	274.941	238.074	197.355	153.532	124.443	108.909	100.381	97.554
70	55.959	54.819	45.941	26.840	21.323	19.325	17.158	15.306	14.342	13.813
80	0.000	0.475	1.064	1.381	1.608	1.188	0.679	0.223	0.000	0.000
90	0.000	0.420	0.786	1.007	0.895	0.373	0.000	0.000	0.000	0.000
100	69.388	56.788	52.740	77.113	61.658	63.960	57.544	48.296	37.544	32.408
110	186.930	176.074	156.655	147.206	145.994	158.091	143.872	135.738	117.612	113.770
120	257.700	252.251	238.063	222.441	205.838	197.839	190.562	180.013	169.508	170.832
130	289.531	288.591	285.101	272.542	262.267	254.095	235.712	224.126	220.976	221.042
140	309.302	314.099	313.200	305.949	292.633	273.061	267.538	265.799	265.550	265.726
150	305.550	305.381	302.344	302.049	296.461	296.187	296.401	296.112	296.763	297.031
160	306.081	306.887	313.618	314.969	315.091	315.419	315.791	316.714	317.590	318.312
170	318.967	318.856	320.779	324.426	328.232	329.043	329.992	329.486	329.261	328.711
180	324.524	324.524	324.524	324.524	324.524	324.524	324.524	324.524	324.524	324.524

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	515.48	N.A.	13.50
0-30	1063.92	N.A.	27.90
0-40	1671.02	N.A.	43.80
0-60	2511.76	N.A.	65.80
0-80	2635.83	N.A.	69.00
0-90	2636.44	N.A.	69.10
10-90	2500.58	N.A.	65.50
20-40	1155.54	N.A.	30.30
20-50	1679.77	N.A.	44.00
40-70	949.73	N.A.	24.90
60-80	124.07	N.A.	3.20
70-80	15.08	N.A.	0.40
80-90	0.61	N.A.	0.00
90-110	138.95	N.A.	3.60
90-120	315.54	N.A.	8.30
90-130	523.36	N.A.	13.70
90-150	917.71	N.A.	24.00
90-180	1181.48	N.A.	30.90
110-180	1042.53	N.A.	27.30
0-180	3817.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.87
10-20	379.61
20-30	548.44
30-40	607.10
40-50	524.23
50-60	316.51
60-70	109.00
70-80	15.08
80-90	0.61
90-100	30.91
100-110	108.03
110-120	176.60
120-130	207.82
130-140	210.13
140-150	184.21
150-160	141.98
160-170	90.74
170-180	31.05

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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	35	30	27	32	28	25	23

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UGR TABLE - CORRECTED

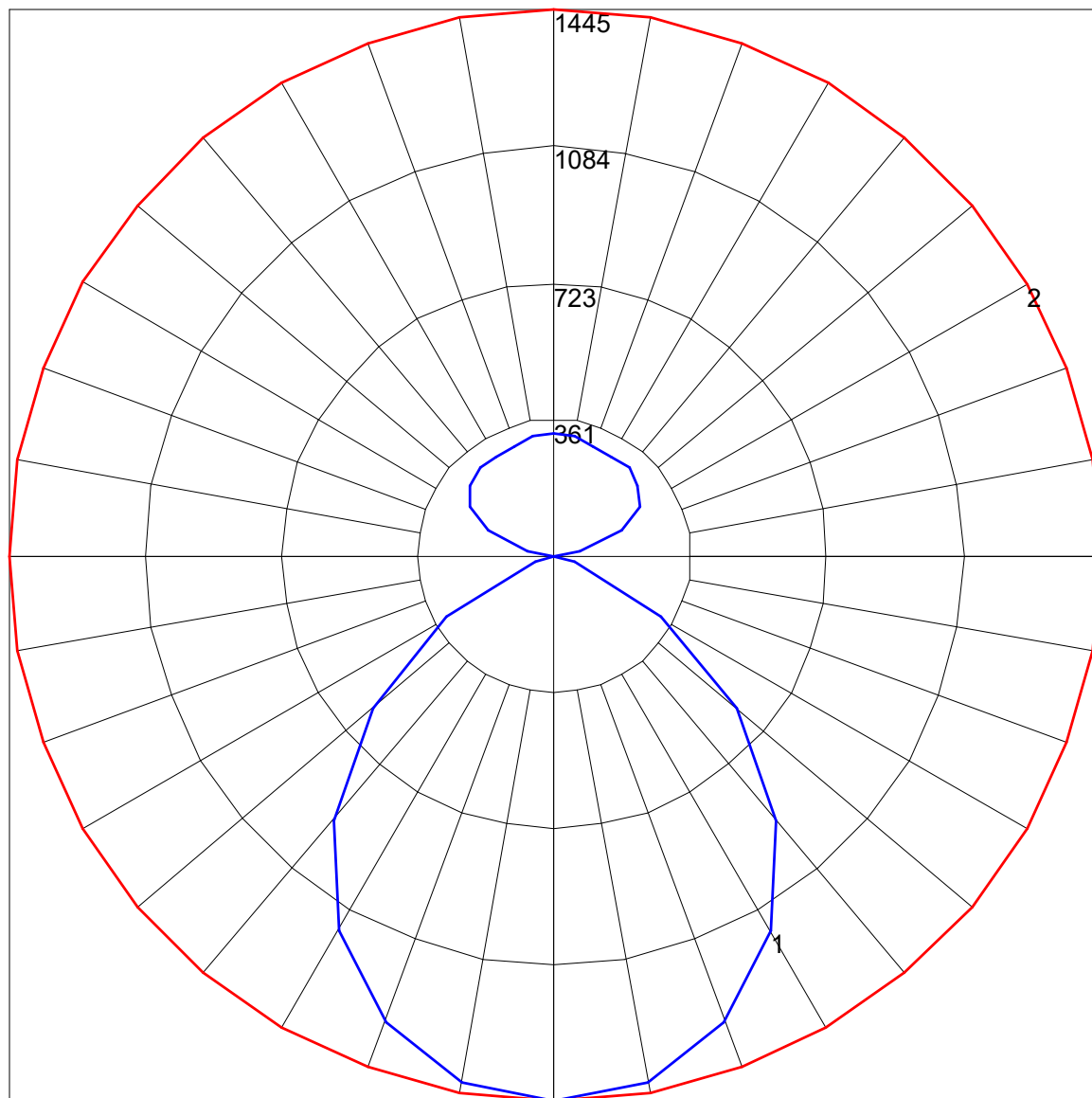
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	9.9	10.9	10.7	11.7	12.7	5.5	6.4	6.3	7.2	8.2
	3H	10.2	11.0	11.0	11.8	12.8	5.5	6.3	6.3	7.1	8.1
	4H	10.2	10.9	11.0	11.8	12.8	5.4	6.2	6.2	7.0	8.0
	6H	10.1	10.8	10.9	11.6	12.6	5.3	6.0	6.1	6.8	7.9
	8H	10.0	10.7	10.9	11.5	12.6	5.3	5.9	6.1	6.8	7.8
	12H	10.0	10.6	10.8	11.4	12.5	5.2	5.8	6.1	6.7	7.7
4H	2H	9.8	10.6	10.7	11.4	12.4	5.7	6.5	6.5	7.3	8.3
	3H	10.1	10.7	10.9	11.6	12.6	5.7	6.3	6.5	7.2	8.2
	4H	10.0	10.6	10.9	11.5	12.5	5.6	6.2	6.4	7.0	8.1
	6H	10.0	10.4	10.8	11.3	12.4	5.5	6.0	6.4	6.9	7.9
	8H	9.9	10.4	10.8	11.2	12.3	5.5	5.9	6.3	6.8	7.9
	12H	9.8	10.2	10.7	11.1	12.2	5.4	5.8	6.3	6.7	7.8
8H	4H	9.9	10.3	10.8	11.2	12.3	5.5	5.9	6.4	6.8	7.9
	6H	9.8	10.2	10.7	11.1	12.2	5.4	5.7	6.3	6.7	7.7
	8H	9.7	10.1	10.7	11.0	12.1	5.3	5.6	6.2	6.5	7.6
	12H	9.7	10.0	10.6	10.9	12.0	5.3	5.5	6.2	6.4	7.6
12H	4H	9.8	10.2	10.7	11.1	12.2	5.4	5.8	6.3	6.7	7.8
	6H	9.7	10.1	10.6	11.0	12.1	5.3	5.6	6.2	6.5	7.7
	8H	9.7	10.0	10.6	10.9	12.0	5.3	5.5	6.2	6.4	7.6

Maximum UGR = 12.8

POLAR GRAPH



Maximum Candela = 1445.411 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.)