



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CURV-4-LED-3070-FB-HO-40.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-4-LED-3070-FB-HO-40
 [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	2035
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	48.4
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	2084	1799	1667
55	1594	1137	879
65	868	443	252
75	207	80	51
85	0	22	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	770.475	770.475	770.475	770.475	770.475	770.475	770.475	770.475	770.475	770.475
10	754.362	751.599	750.766	750.577	748.608	746.446	744.311	742.120	741.215	739.898
20	701.044	700.070	696.398	690.915	684.271	674.204	669.301	665.471	663.785	663.058
30	610.459	609.531	600.147	587.036	577.386	573.029	570.344	569.281	566.801	567.179
40	486.897	483.061	465.894	450.398	441.901	436.788	433.942	431.235	429.400	428.421
50	335.345	328.268	307.257	290.688	276.932	263.566	246.711	237.353	231.447	229.388
60	174.895	168.497	146.557	126.905	105.200	81.840	66.334	58.054	53.508	52.001
70	29.829	29.221	24.489	14.307	11.366	10.301	9.146	8.159	7.645	7.363
80	0.000	0.253	0.567	0.736	0.857	0.633	0.362	0.119	0.000	0.000
90	0.000	0.224	0.419	0.537	0.477	0.199	0.000	0.000	0.000	0.000
100	36.987	30.271	28.113	41.105	32.867	34.094	30.674	25.744	20.013	17.275
110	99.643	93.856	83.505	78.468	77.822	84.270	76.691	72.355	62.693	60.645
120	137.367	134.462	126.899	118.572	109.722	105.458	101.579	95.956	90.356	91.062
130	154.334	153.833	151.973	145.278	139.801	135.445	125.646	119.470	117.791	117.826
140	164.873	167.430	166.951	163.086	155.988	145.555	142.611	141.684	141.551	141.645
150	162.873	162.783	161.164	161.007	158.028	157.882	157.996	157.842	158.189	158.332
160	163.156	163.586	167.174	167.894	167.959	168.134	168.332	168.824	169.291	169.676
170	170.025	169.966	170.991	172.935	174.964	175.396	175.902	175.632	175.512	175.219
180	172.987	172.987	172.987	172.987	172.987	172.987	172.987	172.987	172.987	172.987

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	274.78	N.A.	13.50
0-30	567.12	N.A.	27.90
0-40	890.74	N.A.	43.80
0-60	1338.89	N.A.	65.80
0-80	1405.03	N.A.	69.00
0-90	1405.35	N.A.	69.10
10-90	1332.93	N.A.	65.50
20-40	615.96	N.A.	30.30
20-50	895.40	N.A.	44.00
40-70	506.25	N.A.	24.90
60-80	66.14	N.A.	3.20
70-80	8.04	N.A.	0.40
80-90	0.33	N.A.	0.00
90-110	74.07	N.A.	3.60
90-120	168.20	N.A.	8.30
90-130	278.98	N.A.	13.70
90-150	489.18	N.A.	24.00
90-180	629.79	N.A.	30.90
110-180	555.72	N.A.	27.30
0-180	2035.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.42
10-20	202.35
20-30	292.35
30-40	323.62
40-50	279.44
50-60	168.71
60-70	58.10
70-80	8.04
80-90	0.33
90-100	16.48
100-110	57.59
110-120	94.13
120-130	110.78
130-140	112.01
140-150	98.19
150-160	75.68
160-170	48.37
170-180	16.55

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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

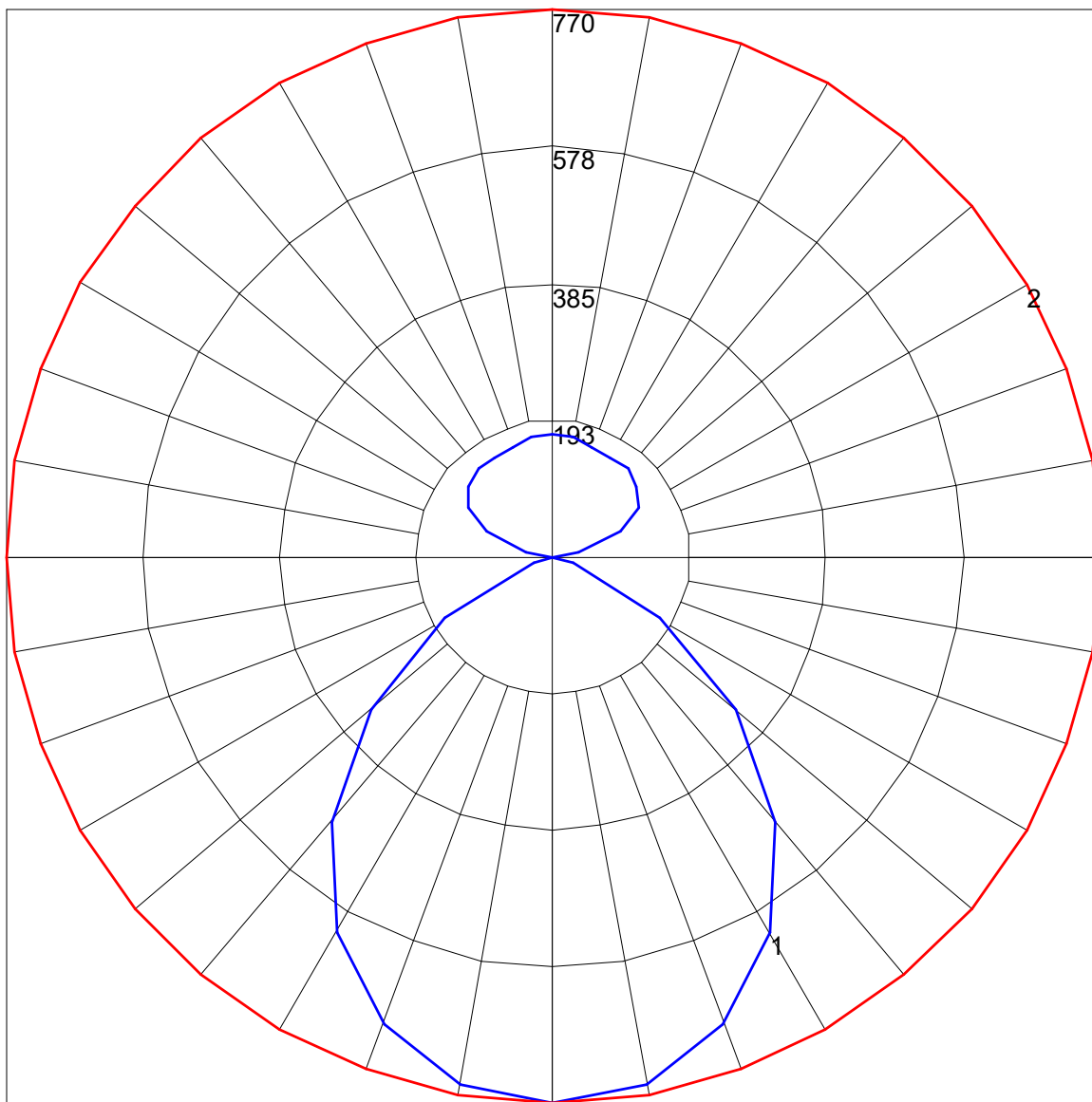
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	10.3	11.2	11.1	12.0	13.0	5.8	6.8	6.6	7.6	8.5
	3H	10.5	11.3	11.3	12.1	13.2	5.8	6.6	6.6	7.4	8.4
	4H	10.5	11.2	11.3	12.1	13.1	5.7	6.5	6.5	7.3	8.3
	6H	10.4	11.1	11.2	11.9	13.0	5.6	6.3	6.5	7.2	8.2
	8H	10.3	11.0	11.2	11.8	12.9	5.6	6.2	6.4	7.1	8.1
	12H	10.3	10.9	11.1	11.8	12.8	5.5	6.1	6.4	7.0	8.0
4H	2H	10.1	10.9	11.0	11.7	12.7	6.0	6.8	6.8	7.6	8.6
	3H	10.4	11.0	11.2	11.9	12.9	6.0	6.6	6.8	7.5	8.5
	4H	10.3	10.9	11.2	11.8	12.8	5.9	6.5	6.8	7.3	8.4
	6H	10.3	10.8	11.1	11.6	12.7	5.8	6.3	6.7	7.2	8.3
	8H	10.2	10.7	11.1	11.5	12.6	5.8	6.2	6.6	7.1	8.2
	12H	10.2	10.5	11.0	11.4	12.5	5.7	6.1	6.6	7.0	8.1
8H	4H	10.2	10.7	11.1	11.5	12.6	5.8	6.2	6.7	7.1	8.2
	6H	10.1	10.5	11.0	11.4	12.5	5.7	6.0	6.6	7.0	8.0
	8H	10.0	10.4	11.0	11.3	12.4	5.6	5.9	6.5	6.9	8.0
	12H	10.0	10.3	10.9	11.2	12.3	5.6	5.8	6.5	6.7	7.9
12H	4H	10.1	10.5	11.0	11.4	12.5	5.7	6.1	6.6	7.0	8.1
	6H	10.0	10.4	11.0	11.3	12.4	5.6	5.9	6.5	6.8	8.0
	8H	10.0	10.3	10.9	11.2	12.3	5.6	5.9	6.5	6.7	7.9

Maximum UGR = 13.2

POLAR GRAPH



Maximum Candela = 770.475 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.)