



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L445 HO SS 30 70
[TESTLAB] Dekko
[TESTDATE] 03-31-2017
[ISSUE DATE] 9/2/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CURV-8-LED-3070-FB-SS-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	3180
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	81.2
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	1628	1405	1303
55	1246	888	687
65	678	346	197
75	161	63	40
85	0	17	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	1204.027	1204.027	1204.027	1204.027	1204.027	1204.027	1204.027	1204.027	1204.027	1204.027
10	1178.848	1174.530	1173.228	1172.933	1169.856	1166.477	1163.141	1159.717	1158.303	1156.245
20	1095.527	1094.005	1088.267	1079.698	1069.316	1053.584	1045.922	1039.937	1037.302	1036.166
30	953.969	952.519	937.855	917.366	902.286	895.477	891.281	889.620	885.744	886.335
40	760.878	754.883	728.056	703.841	690.562	682.572	678.125	673.894	671.027	669.497
50	524.046	512.987	480.153	454.260	432.764	411.877	385.537	370.913	361.684	358.466
60	273.310	263.312	229.026	198.315	164.397	127.892	103.661	90.721	83.617	81.262
70	46.614	45.664	38.269	22.358	17.762	16.097	14.293	12.750	11.947	11.506
80	0.000	0.395	0.886	1.150	1.339	0.989	0.566	0.186	0.000	0.000
90	0.000	0.350	0.655	0.839	0.745	0.311	0.000	0.000	0.000	0.000
100	57.800	47.305	43.932	64.235	51.362	53.279	47.935	40.230	31.274	26.996
110	155.713	146.670	130.494	122.623	121.613	131.689	119.846	113.070	97.971	94.770
120	214.665	210.125	198.306	185.293	171.463	164.800	158.738	149.951	141.200	142.303
130	241.179	240.396	237.489	227.027	218.468	211.661	196.348	186.697	184.073	184.128
140	257.648	261.644	260.896	254.856	243.764	227.460	222.859	221.411	221.203	221.350
150	254.523	254.382	251.852	251.607	246.952	246.723	246.902	246.661	247.203	247.427
160	254.965	255.637	261.244	262.369	262.471	262.744	263.054	263.823	264.552	265.154
170	265.699	265.607	267.209	270.247	273.418	274.093	274.883	274.462	274.274	273.816
180	270.328	270.328	270.328	270.328	270.328	270.328	270.328	270.328	270.328	270.328

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	429.40	N.A.	13.50
0-30	886.25	N.A.	27.90
0-40	1391.96	N.A.	43.80
0-60	2092.29	N.A.	65.80
0-80	2195.65	N.A.	69.00
0-90	2196.16	N.A.	69.10
10-90	2082.98	N.A.	65.50
20-40	962.57	N.A.	30.30
20-50	1399.25	N.A.	44.00
40-70	791.12	N.A.	24.90
60-80	103.35	N.A.	3.20
70-80	12.56	N.A.	0.40
80-90	0.51	N.A.	0.00
90-110	115.74	N.A.	3.60
90-120	262.85	N.A.	8.30
90-130	435.96	N.A.	13.70
90-150	764.45	N.A.	24.00
90-180	984.17	N.A.	30.90
110-180	868.43	N.A.	27.30
0-180	3180.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.18
10-20	316.22
20-30	456.85
30-40	505.72
40-50	436.68
50-60	263.65
60-70	90.79
70-80	12.56
80-90	0.51
90-100	25.75
100-110	89.99
110-120	147.10
120-130	173.11
130-140	175.04
140-150	153.45
150-160	118.27
160-170	75.59
170-180	25.86

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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

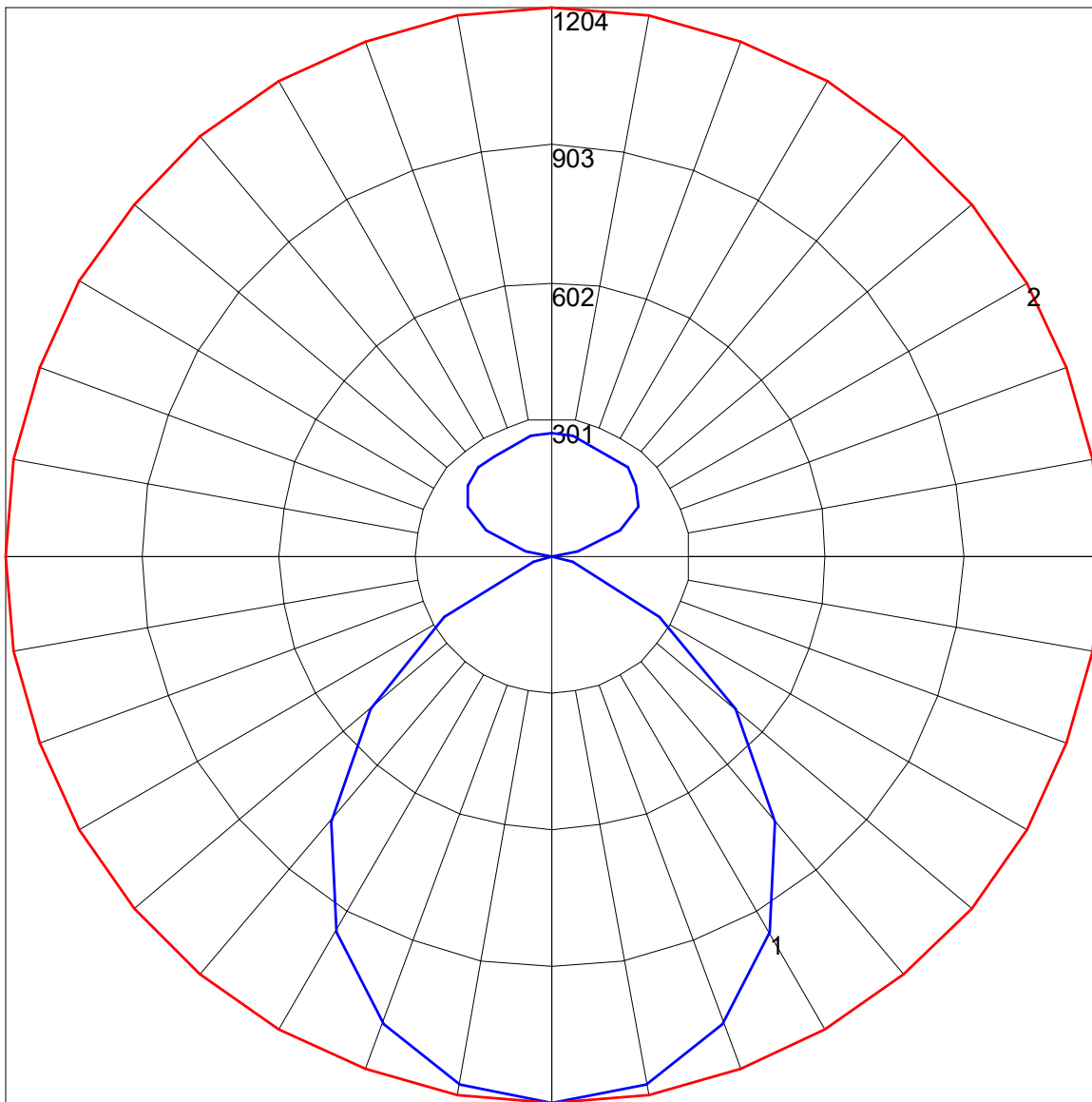
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UGR TABLE - CORRECTED

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	9.4	10.3	10.2	11.1	12.1	4.9	5.8	5.7	6.6	7.6
	3H	9.6	10.4	10.4	11.2	12.2	4.9	5.7	5.7	6.5	7.5
	4H	9.6	10.3	10.4	11.2	12.2	4.8	5.6	5.6	6.4	7.4
	6H	9.5	10.2	10.3	11.0	12.0	4.7	5.4	5.5	6.2	7.3
	8H	9.4	10.1	10.3	10.9	12.0	4.7	5.3	5.5	6.2	7.2
	12H	9.4	10.0	10.2	10.8	11.9	4.6	5.2	5.5	6.1	7.1
4H	2H	9.2	10.0	10.1	10.8	11.8	5.1	5.9	5.9	6.7	7.7
	3H	9.5	10.1	10.3	11.0	12.0	5.1	5.7	5.9	6.6	7.6
	4H	9.4	10.0	10.3	10.9	11.9	5.0	5.6	5.8	6.4	7.5
	6H	9.4	9.8	10.2	10.7	11.8	4.9	5.4	5.8	6.3	7.3
	8H	9.3	9.8	10.2	10.6	11.7	4.9	5.3	5.7	6.2	7.3
	12H	9.2	9.6	10.1	10.5	11.6	4.8	5.2	5.7	6.1	7.2
8H	4H	9.3	9.7	10.2	10.6	11.7	4.9	5.3	5.8	6.2	7.3
	6H	9.2	9.6	10.1	10.5	11.6	4.8	5.1	5.7	6.1	7.1
	8H	9.1	9.5	10.1	10.4	11.5	4.7	5.0	5.6	5.9	7.0
	12H	9.1	9.4	10.0	10.3	11.4	4.7	4.9	5.6	5.8	7.0
12H	4H	9.2	9.6	10.1	10.5	11.6	4.8	5.2	5.7	6.1	7.2
	6H	9.1	9.5	10.0	10.4	11.5	4.7	5.0	5.6	5.9	7.1
	8H	9.1	9.4	10.0	10.3	11.4	4.7	4.9	5.6	5.8	7.0

Maximum UGR = 12.2

POLAR GRAPH



Maximum Candela = 1204.027 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.)