



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRL8-11L-46-840.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-13223
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 09/19/22
 [TEST DATE] 01/21/22
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CLRL8-11L-46-840
 [OTHER] TEST PROCEDURE: IESNA LM-79-19
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor
 [SEARCH_COLORTEMP] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9924
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	84
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.40 ft
Luminous Width (90-270)	0.42 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5268	6008	6836
55	5923	6956	8112
65	6470	7741	9094
75	6414	8031	9136
85	6563	6723	6083

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	984	984	984	984	984
2.5	1006	992	986	980	972
5.0	1010	994	990	984	978
7.5	1014	1000	998	994	988
10.0	1020	1008	1008	1008	1002
12.5	1026	1016	1018	1024	1022
15.0	1032	1024	1032	1044	1044
17.5	1040	1034	1050	1068	1074
20.0	1046	1044	1068	1094	1100
22.5	1056	1058	1088	1124	1134
25.0	1064	1070	1108	1154	1170
27.5	1072	1080	1130	1186	1206
30.0	1076	1090	1150	1218	1242
32.5	1084	1100	1172	1250	1276
35.0	1084	1108	1188	1278	1308
37.5	1086	1112	1204	1304	1338
40.0	1084	1112	1212	1322	1360
42.5	1078	1110	1218	1336	1378
45.0	1068	1102	1218	1342	1386
47.5	1052	1092	1212	1342	1388
50.0	1034	1074	1198	1332	1382
52.5	1006	1048	1174	1312	1362
55.0	974	1016	1144	1284	1334
57.5	936	978	1104	1244	1294
60.0	890	934	1058	1192	1242
62.5	842	882	1004	1130	1180
65.0	784	822	938	1060	1102
67.5	720	754	862	978	1012
70.0	644	680	780	878	910
72.5	564	596	694	766	796
75.0	476	506	596	650	678
77.5	388	424	488	536	558
80.0	310	344	384	428	436
82.5	238	264	282	302	302
85.0	164	170	168	164	152
87.5	80	72	60	44	28
90.0	30	12	14	14	10
92.5	118	68	34	36	34
95.0	226	206	150	84	62
97.5	310	334	322	326	330
100.0	386	432	468	542	586
102.5	458	522	592	712	792
105.0	536	596	692	858	958
107.5	614	666	774	976	1082
110.0	688	734	846	1072	1184
112.5	752	794	918	1138	1250
115.0	794	834	978	1174	1290
117.5	814	852	1006	1196	1300
120.0	818	856	1006	1204	1290
122.5	814	858	984	1186	1280
125.0	808	860	962	1152	1242
127.5	808	854	944	1106	1186
130.0	806	840	926	1056	1120
132.5	798	816	894	994	1056

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CANDELA TABULATION - (Cont.)

135.0	780	792	852	936	990
137.5	758	772	818	900	926
140.0	736	760	798	872	880
142.5	720	744	784	836	852
145.0	716	724	764	796	824
147.5	716	704	736	766	792
150.0	712	692	714	750	764
152.5	706	688	702	738	742
155.0	696	690	696	720	714
157.5	682	688	692	706	688
160.0	674	684	680	690	676
162.5	674	680	666	678	672
165.0	678	674	656	664	668
167.5	684	676	660	660	662
170.0	682	672	664	658	658
172.5	676	666	662	658	654
175.0	668	658	656	650	648
177.5	658	650	646	642	638
180.0	644	644	644	644	644

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	389.89	N.A.	3.90
0-30	905.88	N.A.	9.10
0-40	1654.47	N.A.	16.70
0-60	3621.82	N.A.	36.50
0-80	5160.32	N.A.	52.00
0-90	5350.9	N.A.	53.90
10-90	5255.75	N.A.	53.00
20-40	1264.59	N.A.	12.70
20-50	2207.67	N.A.	22.20
40-70	2891.95	N.A.	29.10
60-80	1538.49	N.A.	15.50
70-80	613.89	N.A.	6.20
80-90	190.58	N.A.	1.90
90-110	960.24	N.A.	9.70
90-120	1942.36	N.A.	19.60
90-130	2836.18	N.A.	28.60
90-150	3993.67	N.A.	40.20
90-180	4572.76	N.A.	46.10
110-180	3612.52	N.A.	36.40
0-180	9923.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.14
10-20	294.74
20-30	516.00
30-40	748.59
40-50	943.08
50-60	1024.26
60-70	924.60
70-80	613.89
80-90	190.58
90-100	210.31
100-110	749.93
110-120	982.12
120-130	893.83
130-140	676.21
140-150	481.28
150-160	325.88
160-170	190.31
170-180	62.91

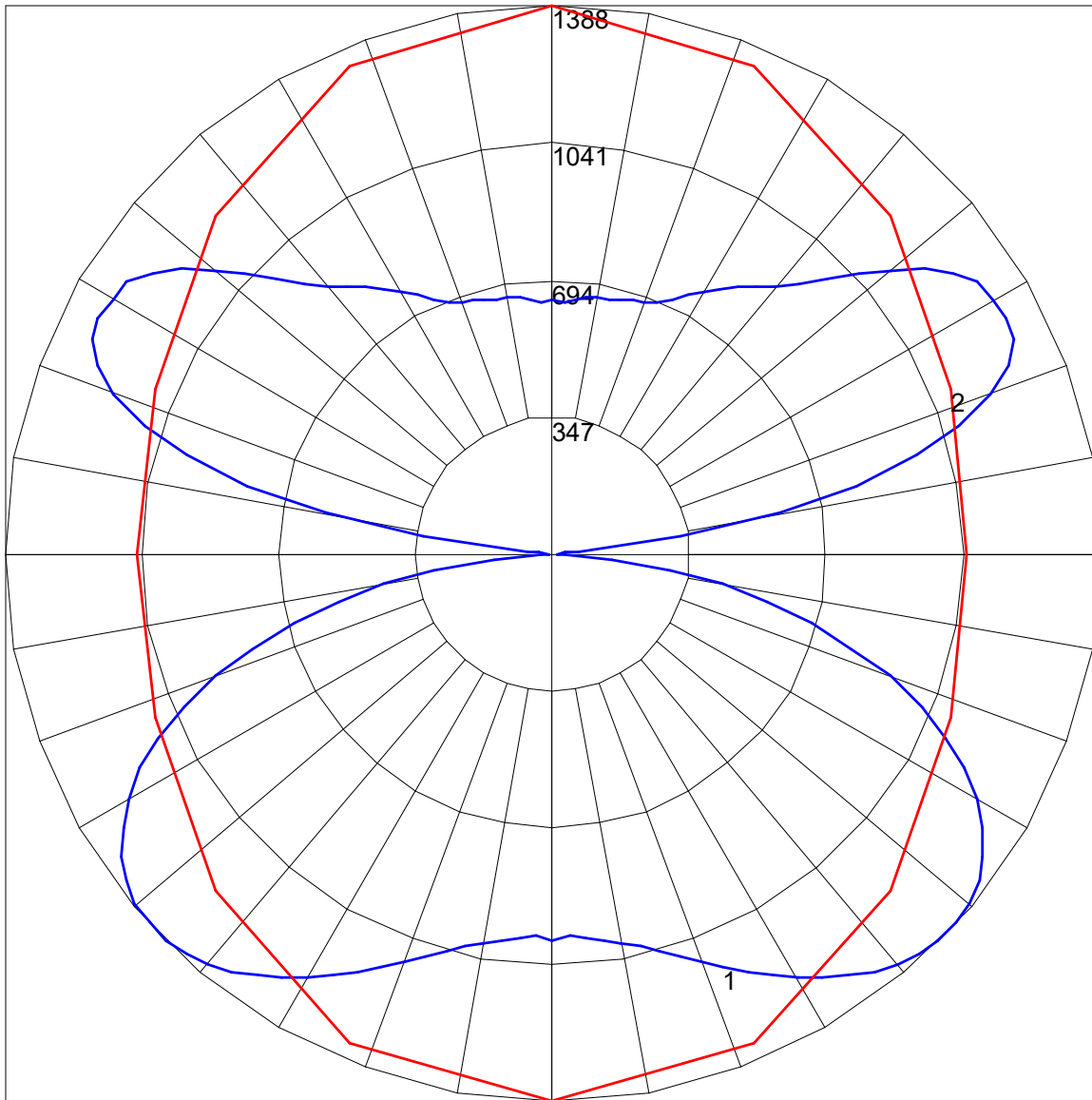
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	97	92	88	84	90	86	82	78	73	70	67	61	59	57	51	49	48	43
2	88	79	72	67	81	73	67	62	62	58	54	52	49	46	43	40	38	34
3	79	69	60	54	73	63	56	50	54	48	44	45	41	37	37	34	31	27
4	72	60	51	45	66	55	48	42	47	41	36	39	35	31	32	29	26	22
5	65	53	44	37	60	49	41	35	42	35	31	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	25	22	19	16
7	55	42	33	27	51	39	31	26	33	27	22	28	23	19	23	19	16	13
8	51	38	30	24	47	35	28	22	30	24	20	25	20	17	21	17	14	12
9	47	34	26	21	44	32	25	20	27	21	17	23	18	15	19	15	12	10
10	44	31	24	19	41	29	22	18	25	19	15	21	17	13	18	14	11	9

POLAR GRAPH



Maximum Candela = 1388 Located At Horizontal Angle = 90, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)