



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDLRK4-LED-50L-FL-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-9682
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 09/25/19
[TEST DATE] 02/07/18
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] SDLRK4-LED-50L-FL-40
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5002
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	38.4
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.25 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12353	8050	7543
55	11618	7009	6718
65	10411	5983	5956
75	8355	5046	5216
85	3886	4234	4656

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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	1227	1227	1227	1227	1227
2.5	1259	1238	1228	1219	1207
5.0	1258	1237	1228	1219	1208
7.5	1255	1235	1226	1218	1208
10.0	1249	1230	1223	1215	1206
12.5	1240	1222	1216	1212	1202
15.0	1229	1212	1208	1206	1199
17.5	1214	1199	1197	1198	1192
20.0	1197	1183	1184	1189	1184
22.5	1176	1165	1169	1177	1175
25.0	1153	1145	1153	1164	1162
27.5	1126	1121	1132	1148	1148
30.0	1097	1094	1110	1130	1132
32.5	1064	1065	1085	1110	1113
35.0	1029	1032	1058	1088	1092
37.5	989	996	1028	1063	1070
40.0	949	960	997	1037	1046
42.5	906	919	962	1009	1020
45.0	863	879	927	979	992
47.5	817	837	891	949	963
50.0	772	795	853	916	934
52.5	724	749	814	881	902
55.0	675	704	775	846	870
57.5	625	657	734	811	838
60.0	571	609	694	775	805
62.5	519	559	653	739	771
65.0	464	512	614	704	736
67.5	410	465	574	666	700
70.0	356	419	536	630	663
72.5	302	374	498	594	627
75.0	248	331	462	558	594
77.5	193	289	425	525	562
80.0	143	250	391	494	530
82.5	97	214	360	462	499
85.0	54	183	329	433	469
87.5	23	155	301	402	439
90.0	5	131	274	374	409
92.5	2	109	248	346	381
95.0	2	91	224	318	353
97.5	2	75	201	292	327
100.0	2	62	180	269	301
102.5	2	51	161	246	278
105.0	2	43	143	225	256
107.5	2	36	128	204	232
110.0	2	30	114	185	212
112.5	2	25	101	167	193
115.0	1	21	88	150	175
117.5	1	17	77	135	158
120.0	1	14	68	120	142
122.5	1	12	59	107	127
125.0	1	10	51	94	112
127.5	1	8	44	82	98
130.0	1	7	37	71	86
132.5	1	5	31	62	75

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CANDELA TABULATION - (Cont.)

135.0	1	4	26	53	65
137.5	2	3	22	45	55
140.0	1	3	18	37	46
142.5	1	2	15	30	38
145.0	1	2	12	25	31
147.5	1	1	9	20	25
150.0	2	2	7	16	19
152.5	1	1	5	12	15
155.0	1	1	3	8	11
157.5	1	1	2	5	7
160.0	2	2	2	4	5
162.5	1	1	1	2	2
165.0	2	1	1	1	1
167.5	2	1	2	1	1
170.0	1	1	1	1	1
172.5	2	2	1	1	1
175.0	1	1	1	1	1
177.5	1	1	1	1	1
180.0	1	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	459.07	N.A.	9.20
0-30	991.56	N.A.	19.80
0-40	1654.61	N.A.	33.10
0-60	3064.00	N.A.	61.30
0-80	4134.7	N.A.	82.70
0-90	4465.83	N.A.	89.30
10-90	4348.66	N.A.	86.90
20-40	1195.54	N.A.	23.90
20-50	1912.17	N.A.	38.20
40-70	2011.11	N.A.	40.20
60-80	1070.7	N.A.	21.40
70-80	468.98	N.A.	9.40
80-90	331.13	N.A.	6.60
90-110	366.37	N.A.	7.30
90-120	453.53	N.A.	9.10
90-130	501.61	N.A.	10.00
90-150	533.48	N.A.	10.70
90-180	536.41	N.A.	10.70
110-180	170.03	N.A.	3.40
0-180	5002.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.16
10-20	341.91
20-30	532.49
30-40	663.05
40-50	716.63
50-60	692.76
60-70	601.72
70-80	468.98
80-90	331.13
90-100	222.53
100-110	143.85
110-120	87.16
120-130	48.08
130-140	22.97
140-150	8.90
150-160	2.39
160-170	0.43
170-180	0.11

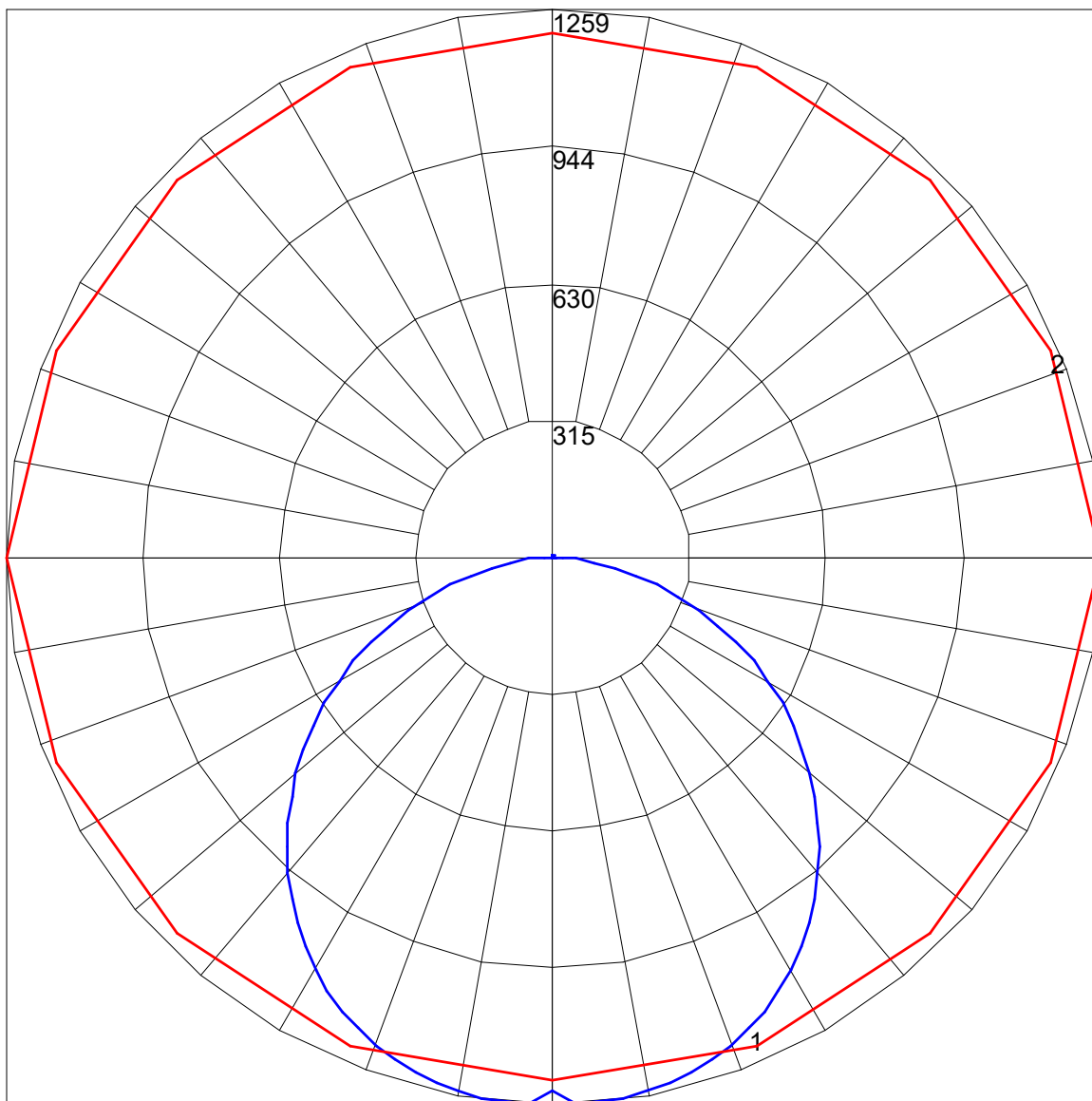
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	113	113	113	113	105	105	105	98	98	98	92	92	92	89
1	104	98	93	88	100	95	90	86	88	84	81	82	79	76	77	75	72	69
2	93	84	76	70	90	81	74	68	76	70	65	71	66	62	66	62	59	56
3	85	73	64	57	81	71	62	56	66	59	53	62	56	51	58	53	49	46
4	77	64	55	47	74	62	53	47	58	51	45	54	48	43	51	46	41	39
5	71	57	47	40	68	55	46	40	52	44	38	49	42	37	46	40	35	33
6	65	51	42	35	62	50	41	34	47	39	33	44	37	32	41	35	31	29
7	60	46	37	31	58	45	36	30	42	35	29	40	33	28	38	32	27	25
8	56	42	33	27	54	41	32	27	39	31	26	36	30	25	34	29	24	22
9	52	38	30	24	50	37	29	24	35	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	29	24	20	18

POLAR GRAPH



Maximum Candela = 1259 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)