



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT24-FS1-UNV-50W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13111
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 2/24/2022
[TEST DATE] 12/10/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CLRT24-FS1-UNV-50W-3500K
[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
[SEARCH_COLORTEMP] 3500

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5418
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	46.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2082	2175	2300
55	2313	2550	2850
65	2624	2980	3534
75	2638	3277	3812
85	2637	2838	3424

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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	1187	1187	1187	1187	1187
2.5	1208	1197	1189	1182	1175
5.0	1212	1202	1194	1187	1180
7.5	1216	1206	1197	1191	1185
10.0	1218	1208	1199	1193	1189
12.5	1216	1206	1197	1191	1189
15.0	1210	1204	1194	1189	1190
17.5	1204	1201	1190	1190	1192
20.0	1198	1197	1189	1192	1191
22.5	1194	1193	1190	1193	1189
25.0	1191	1187	1188	1194	1183
27.5	1186	1178	1184	1191	1182
30.0	1177	1166	1178	1190	1185
32.5	1163	1157	1171	1189	1190
35.0	1147	1149	1166	1189	1193
37.5	1132	1142	1163	1189	1194
40.0	1119	1134	1159	1188	1197
42.5	1108	1121	1152	1190	1204
45.0	1095	1106	1144	1193	1210
47.5	1077	1089	1134	1195	1211
50.0	1052	1072	1123	1190	1210
52.5	1021	1052	1108	1179	1213
55.0	987	1025	1088	1166	1216
57.5	949	990	1060	1154	1213
60.0	914	946	1024	1135	1196
62.5	873	900	984	1104	1161
65.0	825	853	937	1054	1111
67.5	762	801	880	985	1050
70.0	687	741	811	901	970
72.5	602	668	729	807	865
75.0	508	585	631	695	734
77.5	414	494	518	568	589
80.0	329	400	394	439	454
82.5	247	302	279	325	337
85.0	171	196	184	221	222
87.5	95	100	94	112	111
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	453.40	N.A.	8.40
0-30	1002.97	N.A.	18.50
0-40	1737.01	N.A.	32.10
0-60	3603.33	N.A.	66.50
0-80	5199.19	N.A.	96.00
0-90	5418.02	N.A.	100.00
10-90	5303.79	N.A.	97.90
20-40	1283.61	N.A.	23.70
20-50	2171.68	N.A.	40.10
40-70	2802.33	N.A.	51.70
60-80	1595.85	N.A.	29.50
70-80	659.84	N.A.	12.20
80-90	218.83	N.A.	4.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5418.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.23
10-20	339.17
20-30	549.58
30-40	734.04
40-50	888.07
50-60	978.25
60-70	936.01
70-80	659.84
80-90	218.83
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

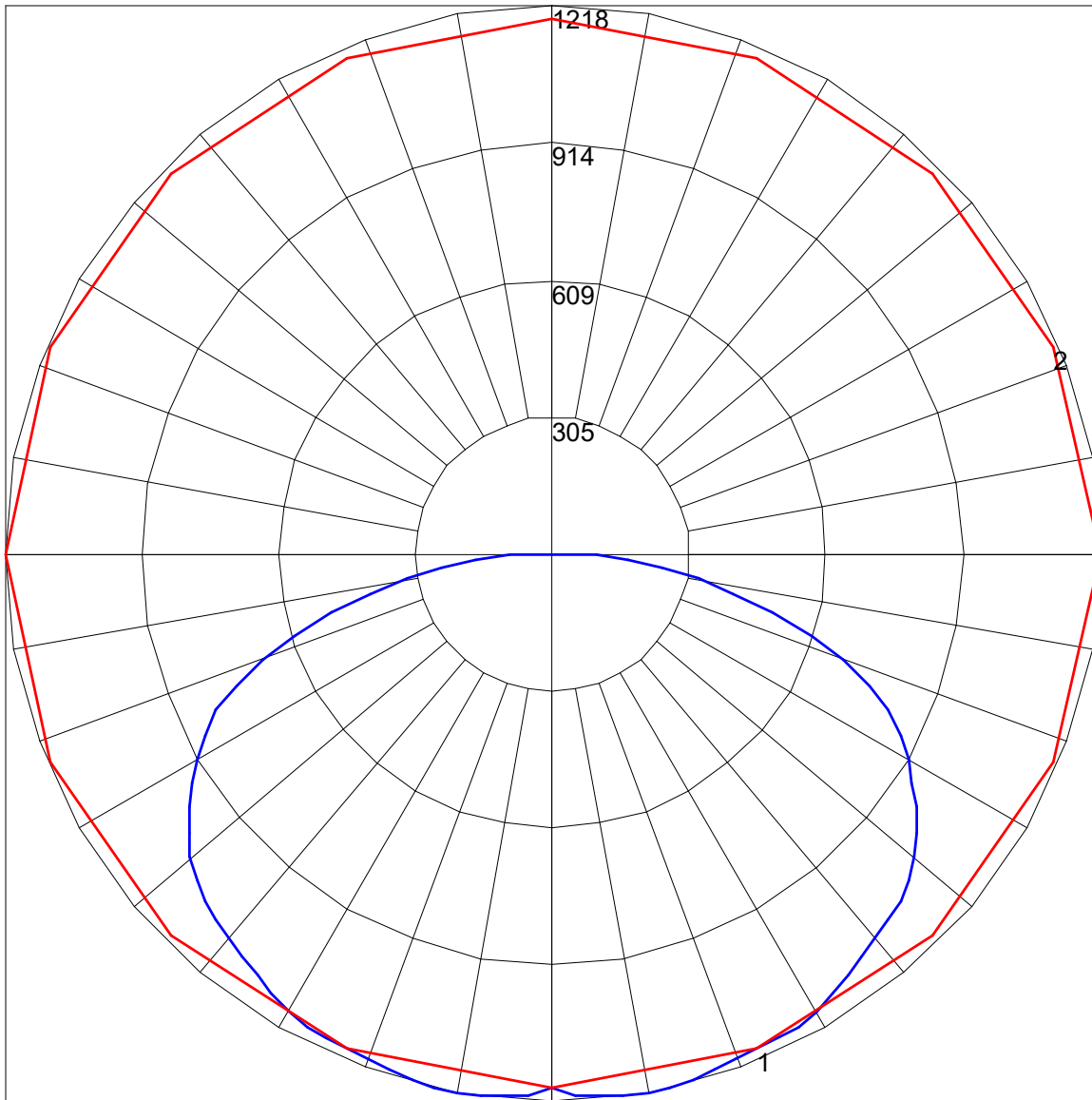
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79
2	95	85	77	70	92	83	76	69	79	73	68	76	71	66	73	68	64	62
3	85	73	64	56	83	71	63	56	68	61	54	65	59	53	63	57	52	50
4	77	64	54	46	75	62	53	46	60	51	45	57	50	44	55	49	44	41
5	70	56	46	38	68	55	45	38	53	44	38	50	43	37	49	42	37	34
6	65	50	40	33	63	49	39	33	47	39	32	45	38	32	43	37	32	29
7	60	45	35	28	58	44	35	28	42	34	28	41	33	28	39	33	28	25
8	55	41	31	25	54	40	31	25	38	30	25	37	30	24	36	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	22	20
10	48	34	25	20	47	33	25	20	32	25	20	31	24	20	30	24	19	18

POLAR GRAPH



Maximum Candela = 1218 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)