IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-40W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13106
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 2/24/2022
[TESTDATE] 12/09/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CLRT22-FS1-UNV-40W-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	4111
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	36.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	3072	3258	3540
55	3389	3862	4434
65	3887	4587	5719
75	3885	5028	6222
85	4010	4473	5676

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	885	885	885	885	885
2.5	898	894	887	880	879
5.0	903	899	892	885	884
7.5	907	903	896	890	888
10.0	908	905	897	892	891
12.5	906	903	896	891	893
15.0	901	901	893	890	895
17.5	892	897	890	890	896
20.0	888	896	891	893	896
22.5	887	892	892	896	894
25.0	886	887	892	898	890
27.5	883	878	888	898	891
30.0	876	868	883	898	896
32.5	863	860	878	897	903
35.0	848	854	875	897	910
37.5	834	849	873	898	915
40.0	825	842	870	899	920
42.5	816	831	864	903	926
45.0	808	819	857	907	931
47.5	795	806	851	910	934
50.0	775	794	846	908	934
52.5	750	780	837	902	938
55.0	723	761	824	896	946
57.5	700	736	805	892	953
60.0	675	704	780	883	948
62.5	647	669	753	865	930
65.0	611	635	721	831	899
67.5	564	596	681	780	857
70.0	505	551	626	716	796
72.5	441	496	562	638	709
75.0	374	434	484	545	599
77.5	307	366	397	447	468
80.0	245	293	304	348	360
82.5	187	220	220	264	269
85.0	130	147	145	182	184
87.5	67	74	73	92	95
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	339.07	N.A.	8.20
0-30	750.90	N.A.	18.30
0-40	1301.47	N.A.	31.70
0-60	2710.32	N.A.	65.90
0-80	3940.58	N.A.	95.90
0-90	4111.11	N.A.	100.00
10-90	4025.74	N.A.	97.90
20-40	962.39	N.A.	23.40
20-50	1629.95	N.A.	39.60
40-70	2130.37	N.A.	51.80
60-80	1230.26	N.A.	29.90
70-80	508.74	N.A.	12.40
80-90	170.54	N.A.	4.10
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	4111.11	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.38
10-20	253.70
20-30	411.82
30-40	550.57
40-50	667.56
50-60	741.29
60-70	721.52
70-80	508.74
80-90	170.54
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	78
2	95	85	77	70	92	83	75	69	79	73	67	76	70	66	73	68	64	62
3	85	73	63	56	82	71	62	55	68	60	54	65	59	53	62	57	52	50
4	77	63	53	46	75	62	53	45	59	51	45	57	50	44	54	48	43	41
5	70	56	46	38	68	55	45	38	52	44	37	50	43	37	48	42	37	34
6	64	50	40	33	62	49	39	32	47	38	32	45	37	32	43	37	31	29
7	59	45	35	28	58	44	35	28	42	34	28	41	33	28	39	32	27	25
8	55	40	31	25	53	40	31	25	38	30	24	37	30	24	36	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	21	19
10	48	34	25	20	47	33	25	20	32	25	19	31	24	19	30	24	19	17

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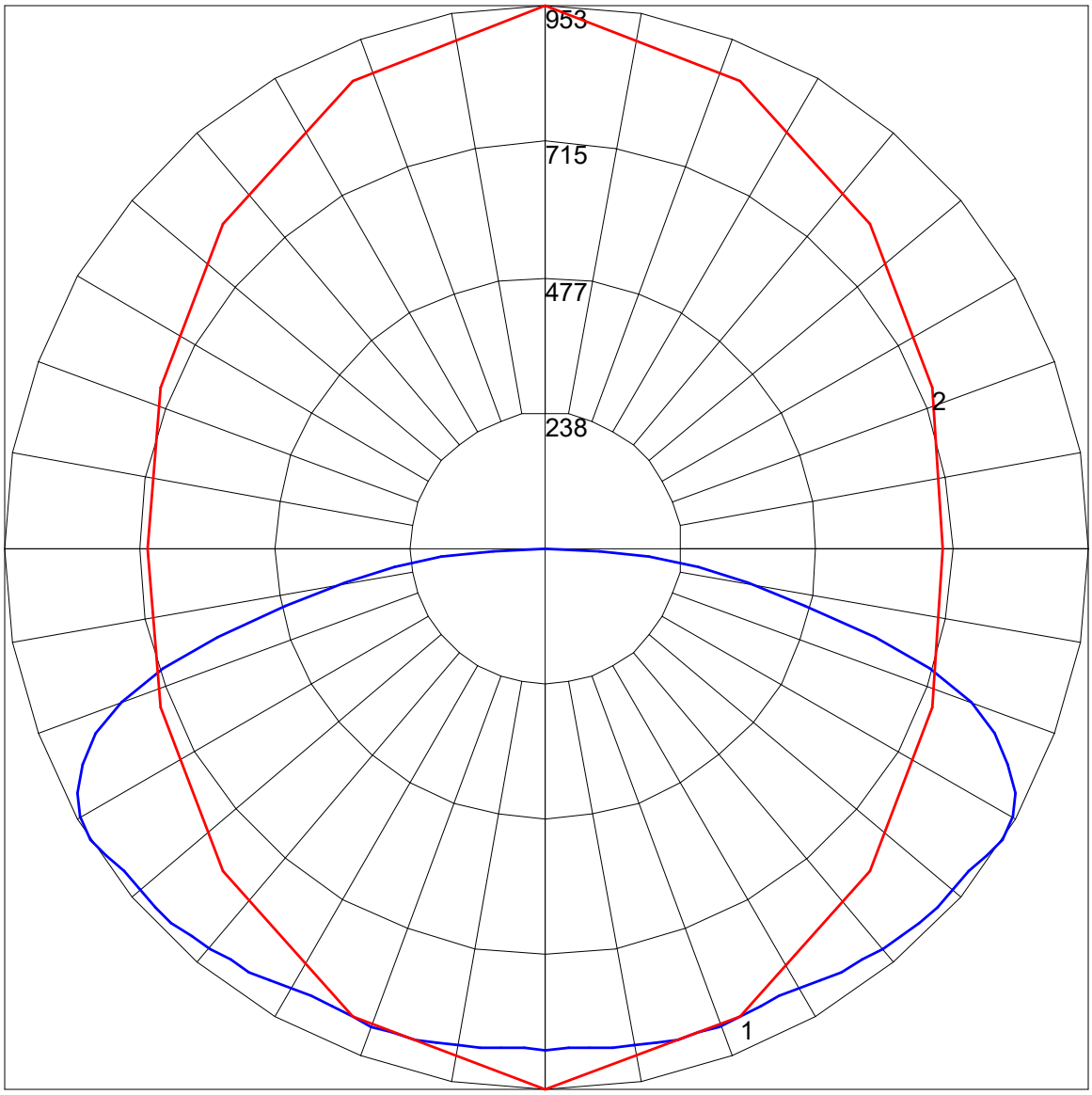
POLAR GRAPH



Maximum Candela = 953 Located At Horizontal Angle = 90, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)