IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-30W-3000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13109
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 2/24/2022
[TESTDATE] 12/09/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CLRT22-FS1-UNV-30W-3000K
[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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2883
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	27.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.58
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	2152	2285	2487
55	2376	2709	3112
65	2710	3213	4008
75	2732	3532	4269
85	2745	3177	4010

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	621	621	621	621	621
2.5	630	627	622	617	617
5.0	633	630	626	621	619
7.5	636	634	628	624	623
10.0	637	635	629	626	625
12.5	636	634	628	626	627
15.0	631	631	626	624	627
17.5	627	629	625	625	628
20.0	623	628	625	626	628
22.5	622	627	627	628	627
25.0	622	623	626	630	625
27.5	619	617	624	630	625
30.0	615	609	619	629	628
32.5	606	604	616	629	633
35.0	596	600	614	629	638
37.5	586	596	612	630	641
40.0	579	591	610	630	645
42.5	573	584	606	633	649
45.0	566	575	601	637	654
47.5	557	565	597	638	655
50.0	544	557	594	637	655
52.5	527	548	587	632	658
55.0	507	534	578	628	664
57.5	492	516	565	625	668
60.0	473	494	547	619	665
62.5	454	470	527	606	652
65.0	426	445	505	583	630
67.5	393	418	476	547	600
70.0	355	387	439	502	558
72.5	310	349	393	446	497
75.0	263	306	340	381	411
77.5	216	257	278	313	329
80.0	172	207	214	244	254
82.5	131	152	154	186	190
85.0	89	101	103	129	130
87.5	47	51	49	66	67
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	237.84	N.A.	8.20
0-30	526.85	N.A.	18.30
0-40	913.12	N.A.	31.70
0-60	1901.41	N.A.	65.90
0-80	2763.66	N.A.	95.90
0-90	2883.19	N.A.	100.00
10-90	2823.31	N.A.	97.90
20-40	675.28	N.A.	23.40
20-50	1143.59	N.A.	39.70
40-70	1493.91	N.A.	51.80
60-80	862.25	N.A.	29.90
70-80	356.64	N.A.	12.40
80-90	119.53	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	2883.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.88
10-20	177.96
20-30	289.01
30-40	386.26
40-50	468.31
50-60	519.98
60-70	505.62
70-80	356.64
80-90	119.53
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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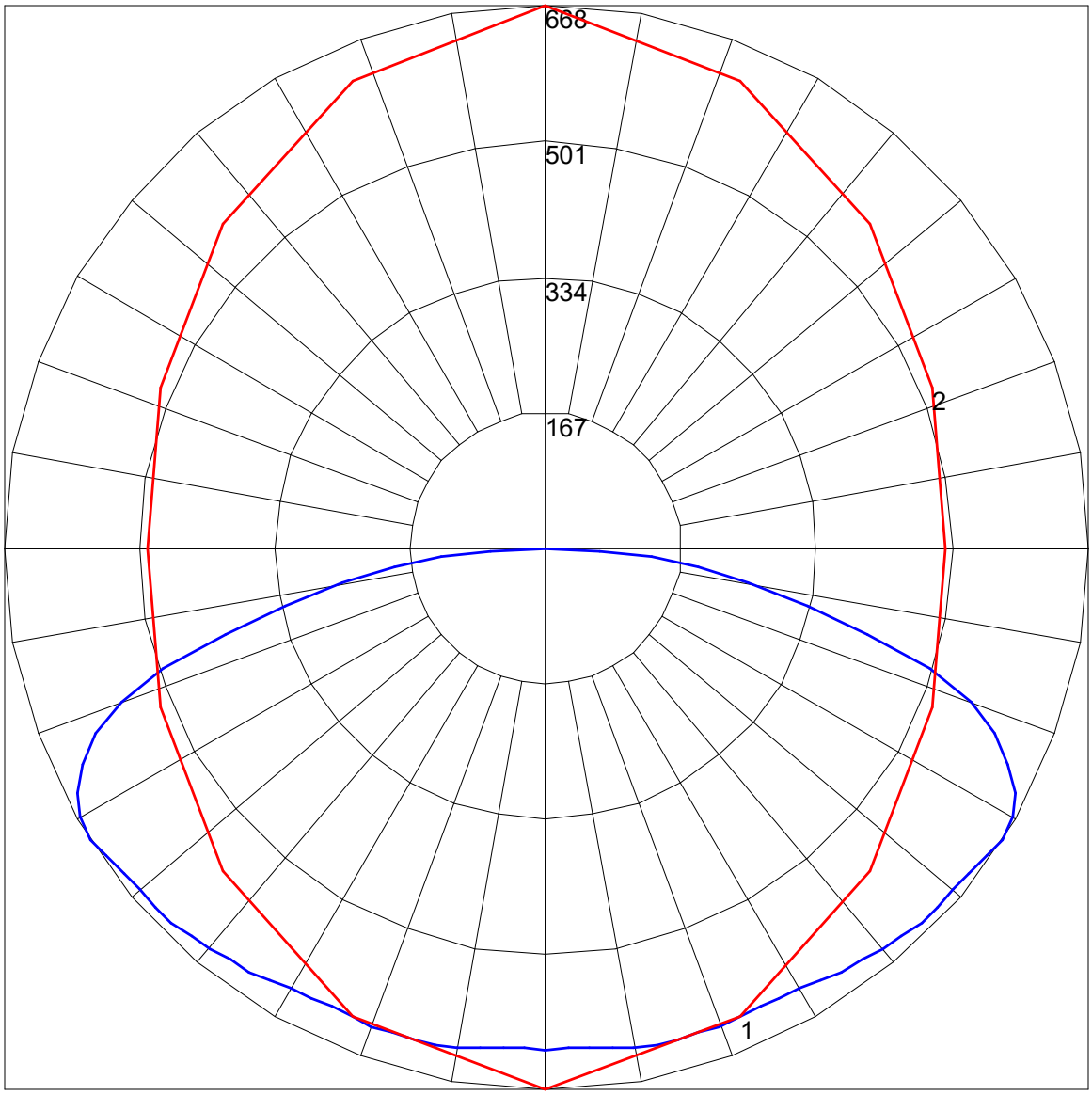
POLAR GRAPH



Maximum Candela = 668 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.)