



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-35W-3000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-13108
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 2/24/2022
 [TEST DATE] 12/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CLRT22-FS1-UNV-35W-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	3314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	32.3
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	2479	2623	2855
55	2737	3112	3576
65	3130	3696	4612
75	3179	4061	4965
85	3177	3640	4596

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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	713	713	713	713	713
2.5	724	720	715	710	708
5.0	728	724	720	713	711
7.5	731	728	722	717	715
10.0	731	729	722	719	718
12.5	730	728	721	718	720
15.0	725	725	719	717	720
17.5	720	723	718	718	722
20.0	716	721	719	720	722
22.5	715	720	720	722	720
25.0	714	715	719	724	717
27.5	711	709	716	724	718
30.0	706	700	711	723	722
32.5	695	693	708	723	728
35.0	683	689	705	723	733
37.5	672	685	703	724	737
40.0	665	679	701	725	741
42.5	658	670	696	728	747
45.0	652	660	690	731	751
47.5	642	650	686	734	753
50.0	627	640	682	732	752
52.5	606	629	675	727	756
55.0	584	614	664	722	763
57.5	564	593	648	719	767
60.0	544	566	627	712	764
62.5	521	540	606	698	751
65.0	492	513	581	669	725
67.5	455	482	549	628	689
70.0	410	446	505	576	638
72.5	359	401	453	513	567
75.0	306	349	391	440	478
77.5	247	295	320	361	382
80.0	197	234	244	285	295
82.5	150	175	177	215	222
85.0	103	118	118	147	149
87.5	57	62	58	73	74
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	273.22	N.A.	8.20
0-30	605.22	N.A.	18.30
0-40	1048.96	N.A.	31.60
0-60	2184.62	N.A.	65.90
0-80	3176.62	N.A.	95.80
0-90	3314.39	N.A.	100.00
10-90	3245.59	N.A.	97.90
20-40	775.74	N.A.	23.40
20-50	1313.93	N.A.	39.60
40-70	1717.26	N.A.	51.80
60-80	992.00	N.A.	29.90
70-80	410.41	N.A.	12.40
80-90	137.76	N.A.	4.20
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	3314.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	68.79
10-20	204.42
20-30	332.00
30-40	443.74
40-50	538.19
50-60	597.48
60-70	581.60
70-80	410.41
80-90	137.76
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

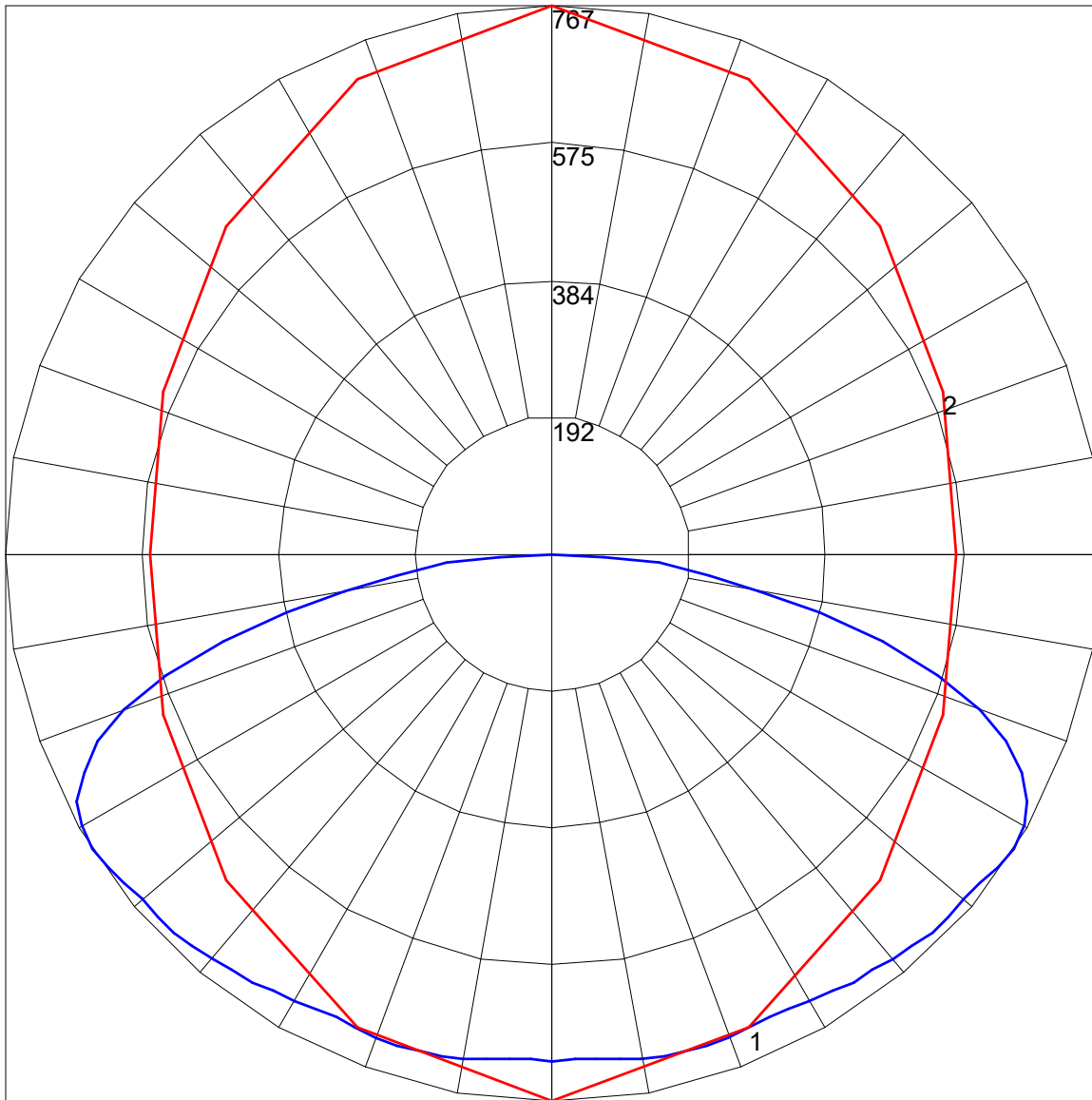
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 767 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.)