



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SLE-18-14L-840-T-120V-BLK.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12580
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 07/22/21
[TEST DATE] 03/09/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] SLE-18-14L-840-T-120V-BLK
[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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1807
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	15.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.40 ft
Luminous Width (90-270)	1.40 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3302	3302	3286
55	3243	3233	3224
65	3108	3082	3069
75	2730	2730	2708
85	2217	2153	2090

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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	579	579	579	579	579
2.5	580	580	581	580	581
5.0	580	580	581	580	581
7.5	579	579	580	579	579
10.0	578	577	578	577	578
12.5	574	574	574	574	574
15.0	570	570	570	570	570
17.5	565	565	565	565	565
20.0	559	558	559	558	558
22.5	551	551	551	551	551
25.0	542	542	542	542	542
27.5	532	532	532	531	532
30.0	521	520	520	520	519
32.5	508	507	507	506	505
35.0	493	493	493	492	491
37.5	478	477	477	475	475
40.0	461	460	460	458	458
42.5	443	442	441	440	440
45.0	423	424	423	422	421
47.5	403	403	403	402	401
50.0	382	381	381	381	380
52.5	360	360	360	359	359
55.0	337	337	336	336	335
57.5	313	313	313	312	310
60.0	289	289	288	286	286
62.5	264	263	262	261	261
65.0	238	237	236	235	235
67.5	210	209	209	208	208
70.0	183	182	182	182	182
72.5	155	155	154	154	155
75.0	128	128	128	128	127
77.5	103	102	102	101	100
80.0	78	78	77	75	75
82.5	55	54	54	53	53
85.0	35	34	34	33	33
87.5	16	16	16	16	17
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	216.39	N.A.	12.00
0-30	466.27	N.A.	25.80
0-40	774.16	N.A.	42.80
0-60	1400.19	N.A.	77.50
0-80	1768.62	N.A.	97.90
0-90	1807.24	N.A.	100.00
10-90	1751.94	N.A.	96.90
20-40	557.77	N.A.	30.90
20-50	883.49	N.A.	48.90
40-70	859.10	N.A.	47.50
60-80	368.43	N.A.	20.40
70-80	135.37	N.A.	7.50
80-90	38.62	N.A.	2.10
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	1807.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.30
10-20	161.09
20-30	249.88
30-40	307.89
40-50	325.71
50-60	300.32
60-70	233.06
70-80	135.37
80-90	38.62
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

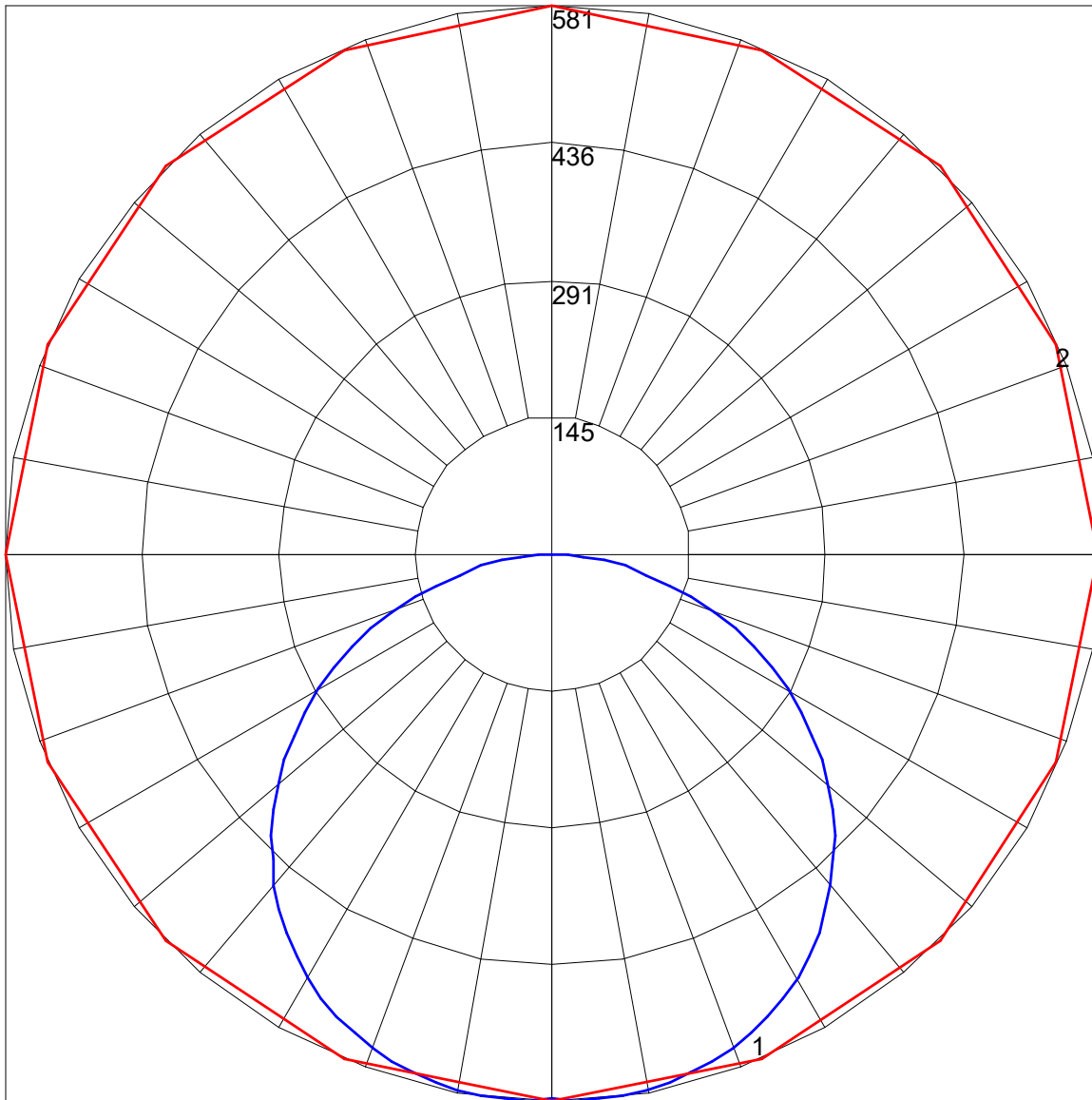
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 581 Located At Horizontal Angle = 45, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)