



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SBL20_MR16_2W_15DEG_3_14_19.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 00001
 [TESTLAB] LED SPECIALISTS, INC.
 [ISSUEDATE] 03-14-2019
 [MANUFAC] SOURCE LIGHTING CO. BY: CAST
 [LUMINAIRE] SLC Fixture p/n: SBL20
 [LAMP] MR16 p/n: SLMR162N27 (GREEN), 2W LED, Beam 15°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.230A, Pin=1.85W, Pf=0.663
 [OTHER] LIGHT OUPUT: CCT=2766K, CRI=84, Beam Angle 20°

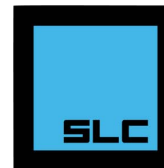


CHARACTERISTICS

Lumens Per Lamp	100 (3 lamps)
Total Lamp Lumens	300
Luminaire Lumens	167
Total Luminaire Efficiency	56 %
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	1.85
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.20 ft (Diameter)
Luminous Width (90-270)	0.20 ft (Diameter)
Luminous Height	0.50 ft



SLC Fixture SBL20



SOURCE

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1076	1076	1076
55	108	108	108
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	θ
0	698.0
5	576.5
10	358.5
15	198.5
20	105.9
25	62.4
30	43.8
35	33.1
40	18.8
45	9.3
50	2.4
55	1.0
60	0.5
65	0.0
70	0.0
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	106.81	35.60	64.10
0-30	137.90	46.00	82.70
0-40	157.89	52.60	94.70
0-60	166.54	55.50	99.90
0-80	166.66	55.60	100.00
0-90	166.66	55.60	100.00
10-90	117.98	39.30	70.80
20-40	51.07	17.00	30.60
20-50	58.64	19.50	35.20
40-70	8.77	2.90	5.30
60-80	0.12	0.00	0.10
70-80	0.00	0.00	0.00
80-90	0.00	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	166.66	55.60	100.00

Total Luminaire Efficiency = 55.60%

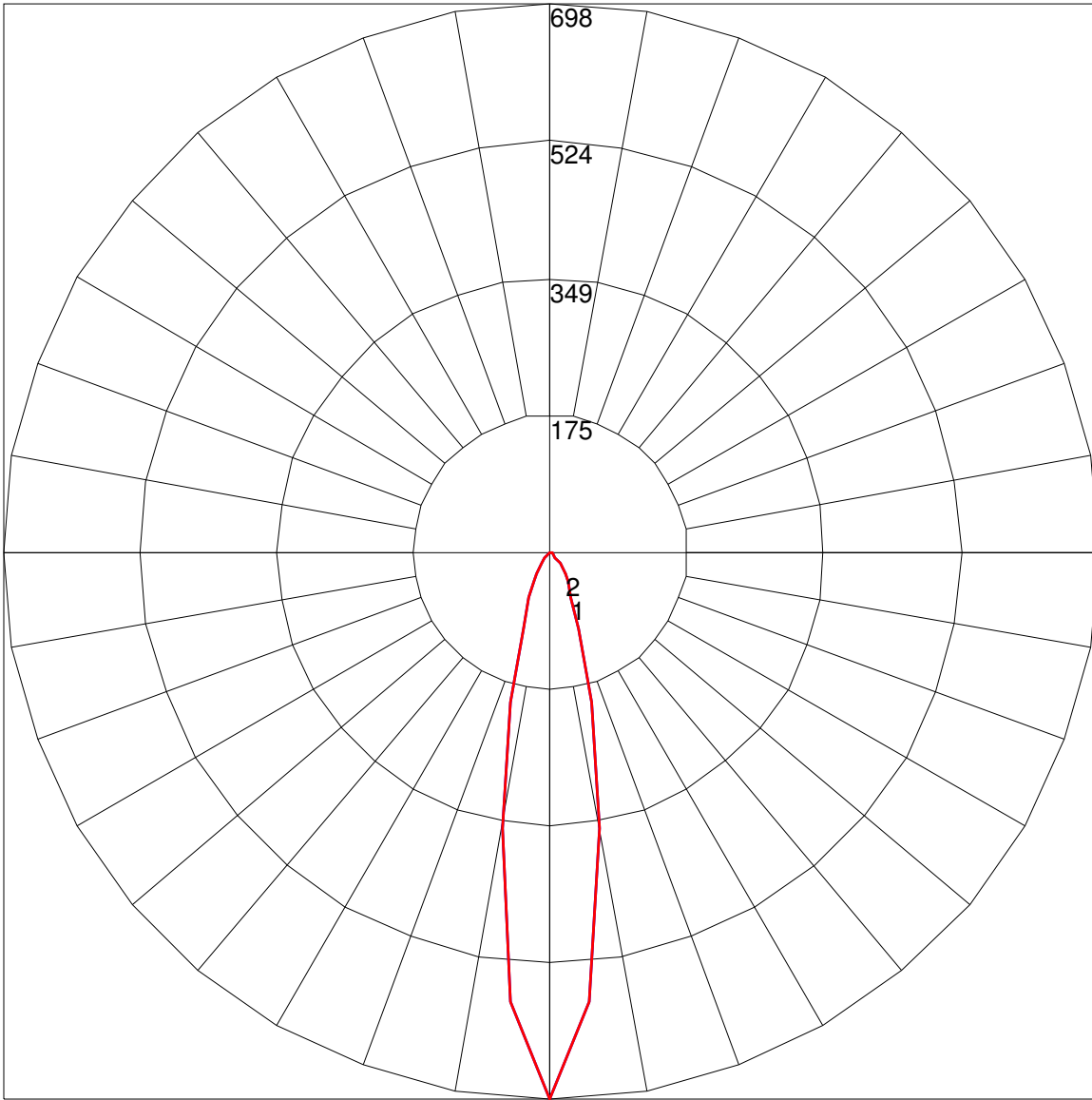
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.68
10-20	58.13
20-30	31.09
30-40	19.98
40-50	7.57
50-60	1.09
60-70	0.12
70-80	0.00
80-90	0.00
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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POLAR GRAPH



Maximum Candela = 698 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (90 - 270)