



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_4W_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: SLMR164N27 (BLUE), 4W LED, Beam 15°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.387A, Pin=3.236W, Pf=0.692
 [OTHER] LIGHT OUPUT: CCT=2764K, CRI=84, Beam Angle 19°



CHARACTERISTICS

Lumens Per Lamp	130 (3 lamps)
Total Lamp Lumens	390
Luminaire Lumens	267
Total Luminaire Efficiency	69 %
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	3.236
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.38
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	1736	1736	1736
55	140	140	140
65	52	52	52
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	1213.5
5	997.0
10	608.5
15	313.0
20	150.0
25	87.5
30	74.0
35	50.9
40	28.5
45	15.0
50	3.2
55	1.3
60	0.9
65	0.5
70	0.0
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

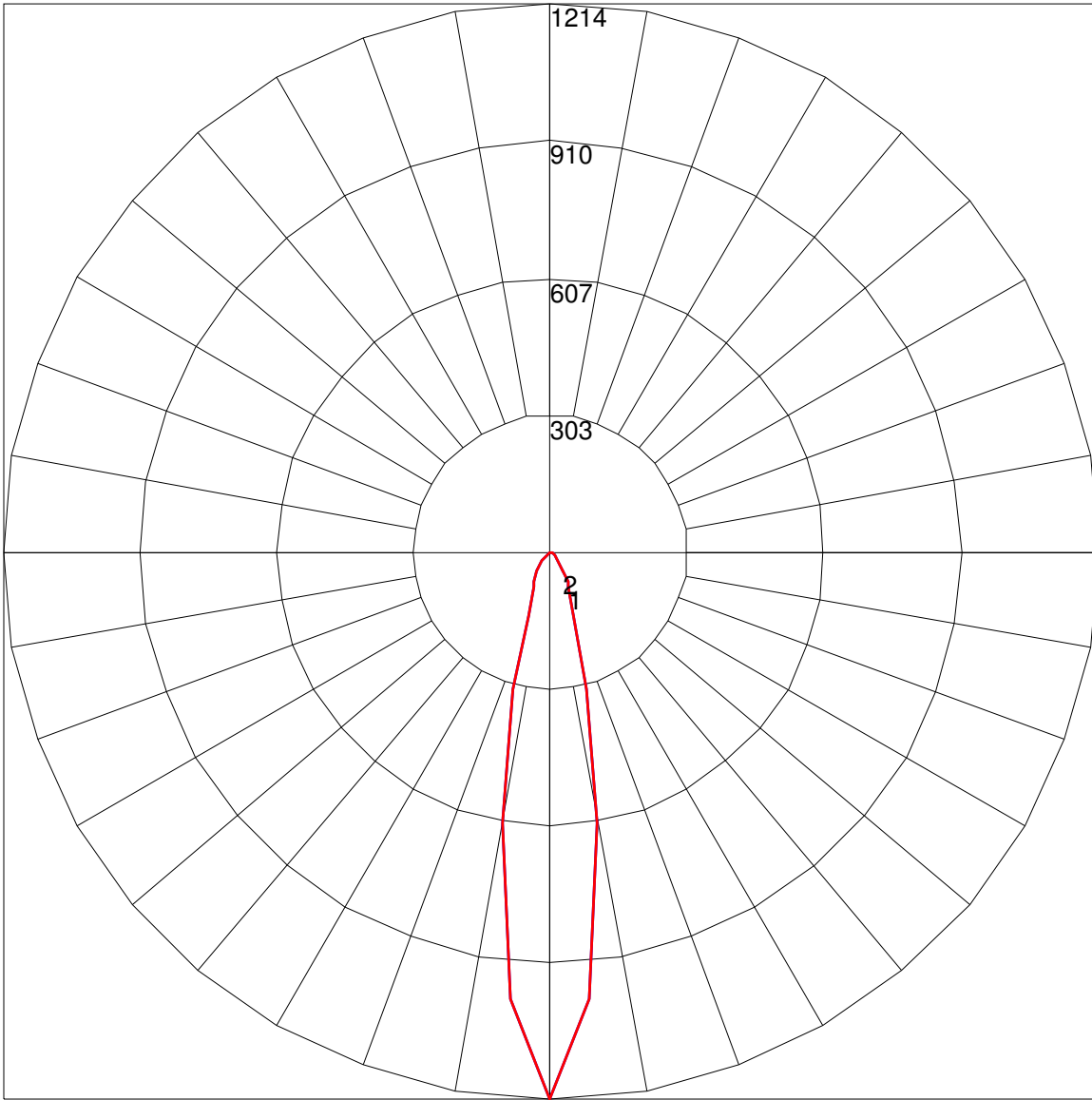
Zone	Lumens	%Lamp	%Fixt
0-20	176.68	45.30	66.10
0-30	222.03	56.90	83.00
0-40	253.67	65.00	94.90
0-60	266.89	68.40	99.80
0-80	267.35	68.60	100.00
0-90	267.35	68.60	100.00
10-90	183.49	47.00	68.60
20-40	76.99	19.70	28.80
20-50	88.72	22.70	33.20
40-70	13.69	3.50	5.10
60-80	0.47	0.10	0.20
70-80	0.00	0.00	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	267.35	68.60	100.00

Total Luminaire Efficiency = 68.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.86
10-20	92.82
20-30	45.35
30-40	31.64
40-50	11.73
50-60	1.49
60-70	0.47
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

POLAR GRAPH



Maximum Candela = 1213.5 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)