



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_6W_15DEG_3_13_19.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 00001
 [TESTLAB] LED SPECIALISTS, INC.
 [ISSUEDATE] 03-13-2019
 [MANUFAC] SOURCE LIGHTING CO. BY: CAST
 [LUMINAIRE] SLC Fixture p/n: SBL20
 [LAMP] MR16 p/n: SLMR166N27 (WHITE), 6W LED, Beam 15°
 [LAMP] Time aged: 24 Hrs, Warm up time before test: 24 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.697A, Pin=6.07W, Pf=0.727
 [OTHER] LIGHT OUPUT: CCT=2844K, CRI=83, Beam Angle 20°



CHARACTERISTICS

Lumens Per Lamp	120 (6 lamps)
Total Lamp Lumens	720
Luminaire Lumens	559
Total Luminaire Efficiency	78 %
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	6.07
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.36
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1620	1620	1620
55	430	430	430
65	103	103	103
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	θ
0	3308.0
5	2860.0
10	1595.0
15	695.5
20	294.5
25	127.5
30	61.0
35	37.5
40	23.0
45	14.0
50	7.5
55	4.0
60	2.0
65	1.0
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	450.57	62.60	80.60
0-30	518.68	72.00	92.70
0-40	543.28	75.50	97.10
0-60	558.36	77.50	99.80
0-80	559.35	77.70	100.00
0-90	559.35	77.70	100.00
10-90	326.24	45.30	58.30
20-40	92.71	12.90	16.60
20-50	103.91	14.40	18.60
40-70	16.07	2.20	2.90
60-80	0.98	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	559.35	77.70	100.00

Total Luminaire Efficiency = 77.70%

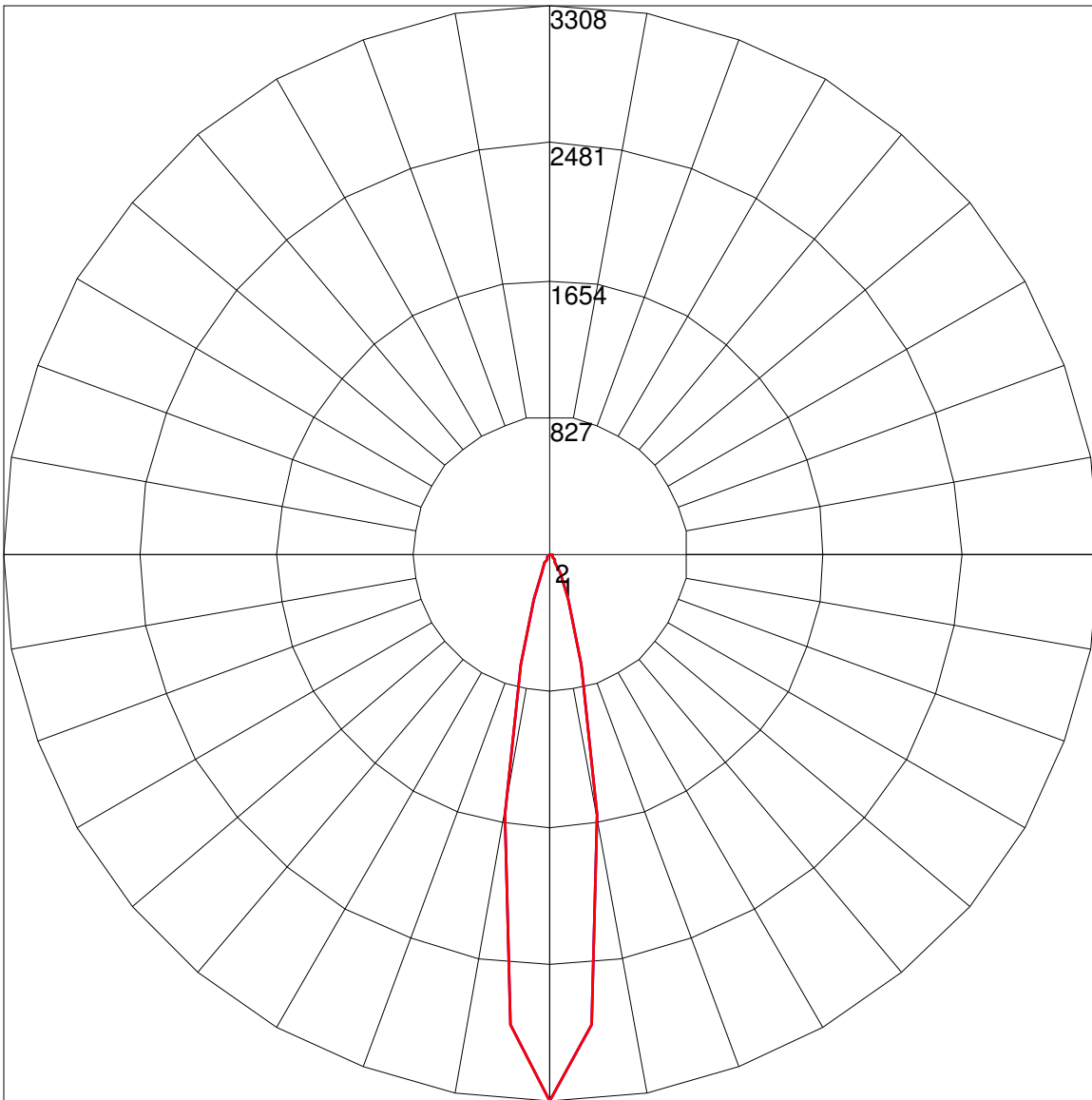
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	233.11
10-20	217.46
20-30	68.11
30-40	24.60
40-50	11.20
50-60	3.89
60-70	0.98
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 = 3308 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)