



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_5W_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: SLMR165N27 (BLACK), 5W LED, Beam 15°
 [LAMP] Time aged: 30 Hrs, Warm up time before test: 30 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.531A, Pin=4.515W, Pf=0.704
 [OTHER] LIGHT OUPUT: CCT=2795K, CRI=83, Beam Angle 19°



CHARACTERISTICS

Lumens Per Lamp	180 (3 lamps)
Total Lamp Lumens	540
Luminaire Lumens	381
Total Luminaire Efficiency	71 %
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	4.515
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



SLC Fixture SBL20



SOURCE

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1018	1018	1018
55	226	226	226
65	103	103	103
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	2323.0
5	1965.5
10	1136.0
15	441.5
20	189.9
25	88.1
30	43.9
35	24.4
40	15.0
45	8.8
50	4.6
55	2.1
60	1.3
65	1.0
70	0.5
75	0.0
80	0.0
85	0.0
90	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_5W_15DEG_3_13_19.IES

ZONAL LUMEN SUMMARY

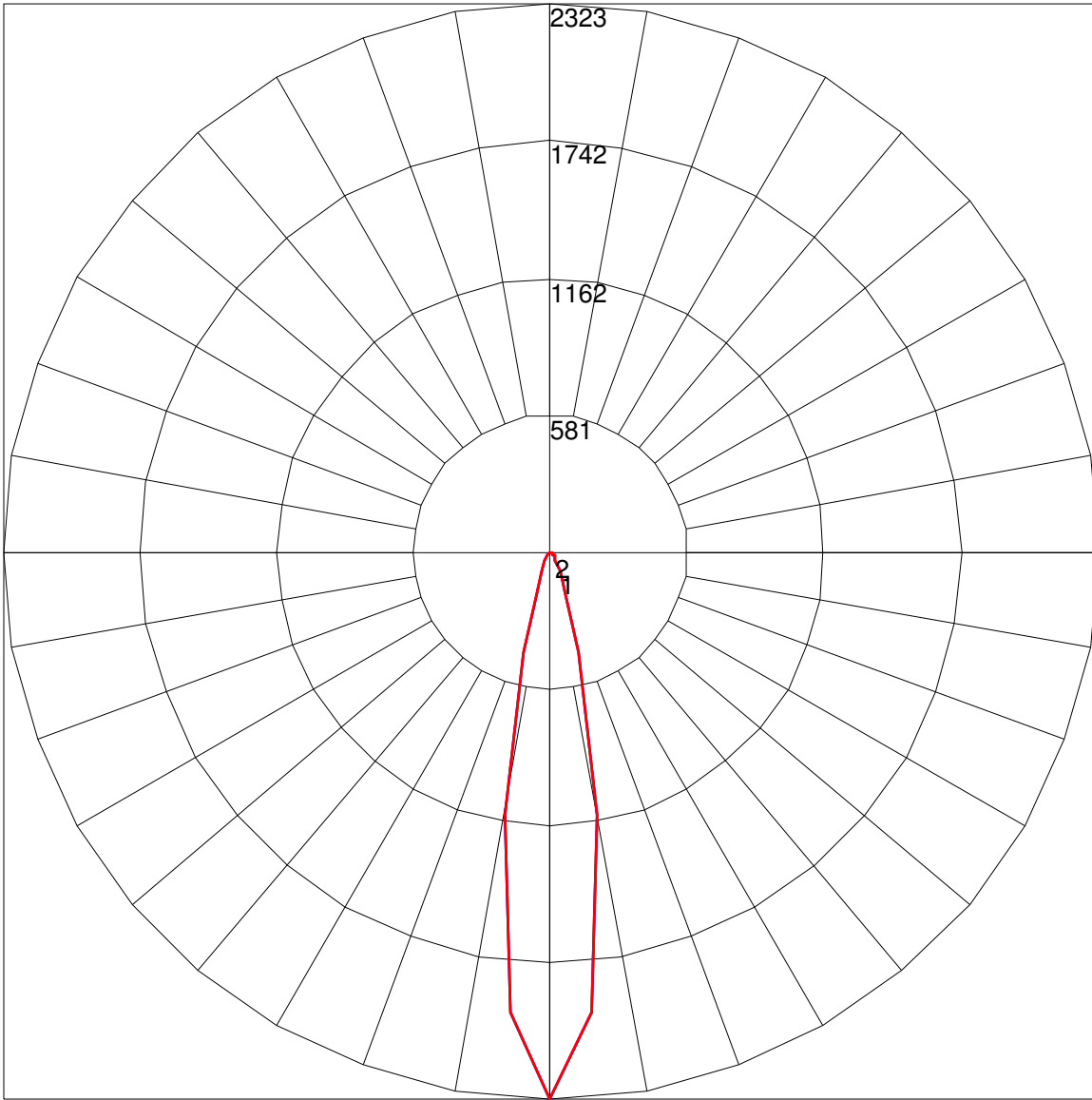
Zone	Lumens	%Lamp	%Fixt
0-20	307.83	57.00	80.80
0-30	353.69	65.50	92.90
0-40	370.32	68.60	97.30
0-60	379.68	70.30	99.70
0-80	380.75	70.50	100.00
0-90	380.75	70.50	100.00
10-90	218.53	40.50	57.40
20-40	62.49	11.60	16.40
20-50	69.61	12.90	18.30
40-70	10.30	1.90	2.70
60-80	1.07	0.20	0.30
70-80	0.13	0.00	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	380.75	70.50	100.00

Total Luminaire Efficiency = 70.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	162.22
10-20	145.61
20-30	45.86
30-40	16.63
40-50	7.11
50-60	2.24
60-70	0.94
70-80	0.13
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 = 2323 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)