



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_5W_120DEG_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: SLMR165XXW27 (BLACK), 5W LED, Beam 120°
 [LAMP] Time aged: 24 Hrs, Warm up time before test: 24 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.544A, Pin=4.71W, Pf=0.716
 [OTHER] LIGHT OUPUT: CCT=2848K, CRI=83, Beam Angle 78°



CHARACTERISTICS

Lumens Per Lamp	180 (3 lamps)
Total Lamp Lumens	540
Luminaire Lumens	175
Total Luminaire Efficiency	32 %
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	4.71
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.12
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	3854	3854	3854
55	624	624	624
65	83	83	83
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	125.0
5	124.0
10	122.0
15	119.0
20	115.0
25	107.0
30	95.0
35	76.5
40	55.7
45	33.3
50	15.1
55	5.8
60	1.8
65	0.8
70	0.5
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

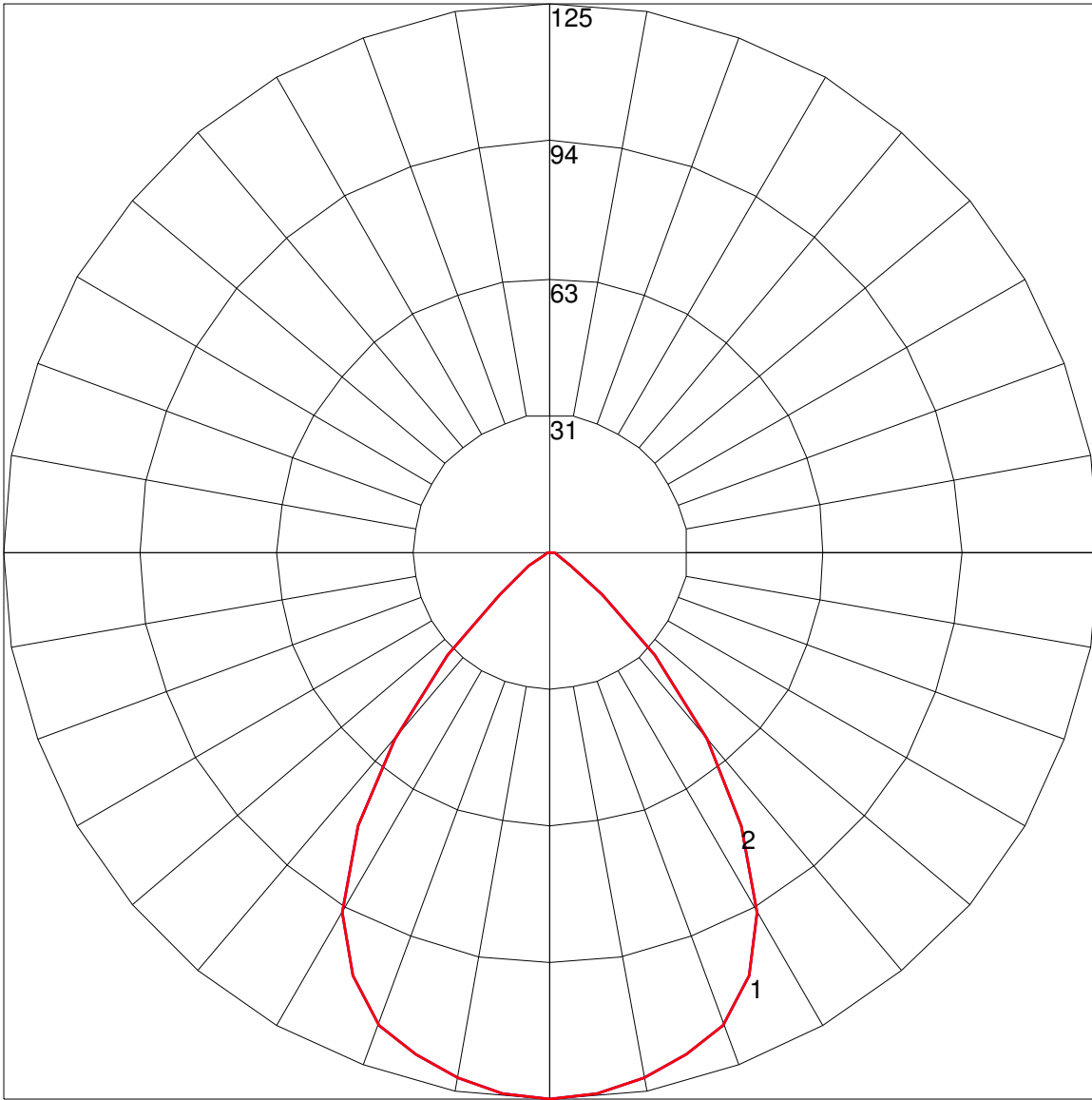
Zone	Lumens	%Lamp	%Fixt
0-20	45.36	8.40	25.90
0-30	94.20	17.40	53.80
0-40	141.52	26.20	80.80
0-60	174.08	32.20	99.40
0-80	175.17	32.40	100.00
0-90	175.17	32.40	100.00
10-90	163.39	30.30	93.30
20-40	96.16	17.80	54.90
20-50	122.42	22.70	69.90
40-70	33.52	6.20	19.10
60-80	1.09	0.20	0.60
70-80	0.13	0.00	0.10
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	175.17	32.40	100.00

Total Luminaire Efficiency = 32.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	11.78
10-20	33.58
20-30	48.85
30-40	47.31
40-50	26.26
50-60	6.30
60-70	0.96
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 = 125 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)