



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_5W_30DEG_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: SLMR165M27 (BLACK), 5W LED, Beam 30°
 [LAMP] Time aged: 29 Hrs, Warm up time before test: 29 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.551A, Pin=4.7W, Pf=0.703
 [OTHER] LIGHT OUPUT: CCT=2784K, CRI=83, Beam Angle 24°



CHARACTERISTICS

Lumens Per Lamp	180 (3 lamps)
Total Lamp Lumens	540
Luminaire Lumens	421
Total Luminaire Efficiency	78 %
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	4.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.42
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	856	856	856
55	215	215	215
65	103	103	103
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	1768.0
5	1568.5
10	1097.5
15	596.3
20	279.5
25	148.6
30	85.2
35	41.1
40	18.0
45	7.4
50	4.0
55	2.0
60	1.1
65	1.0
70	0.5
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

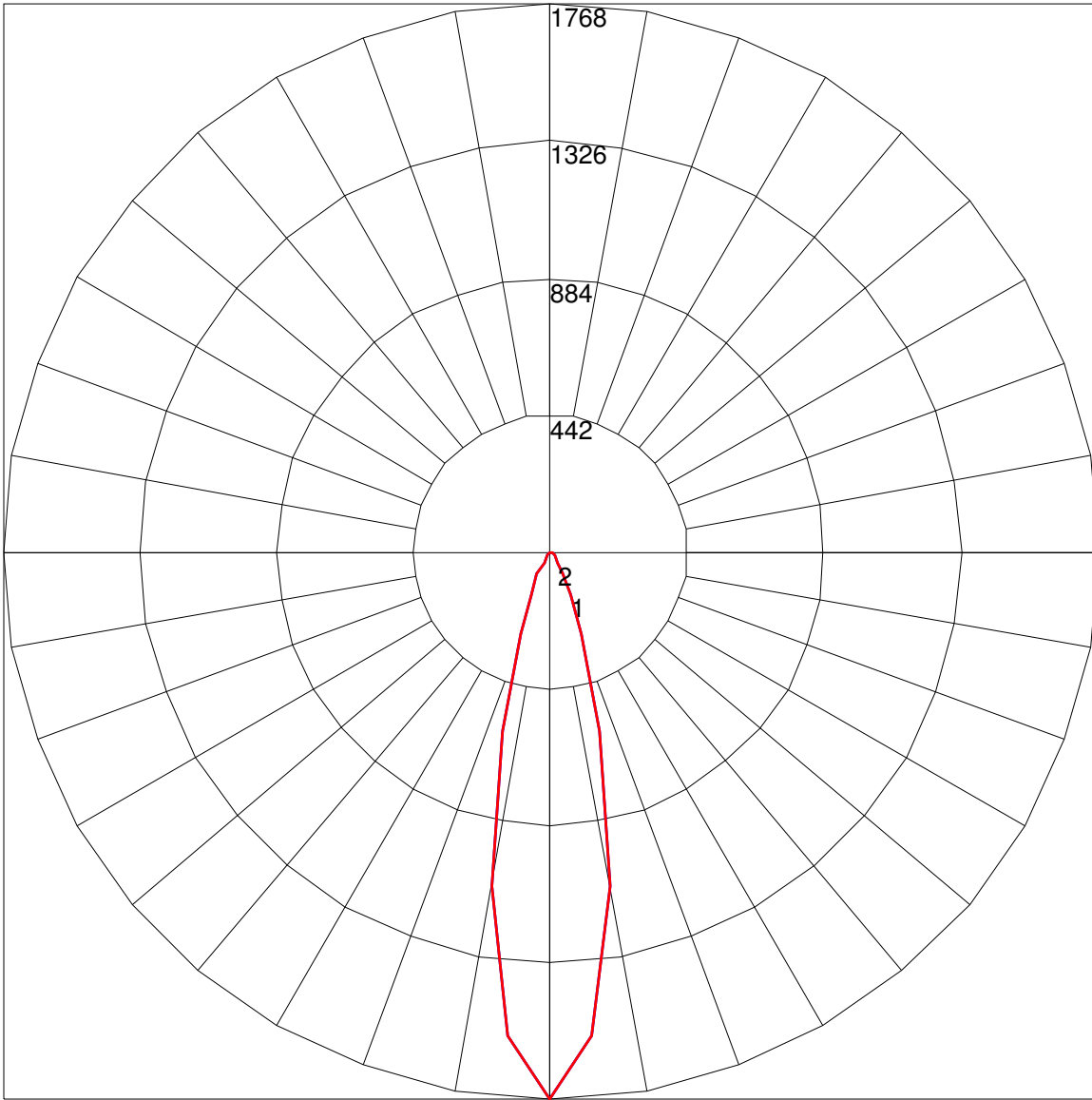
Zone	Lumens	%Lamp	%Fixt
0-20	307.91	57.00	73.20
0-30	382.40	70.80	90.90
0-40	410.86	76.10	97.60
0-60	419.89	77.80	99.80
0-80	420.91	77.90	100.00
0-90	420.91	77.90	100.00
10-90	285.65	52.90	67.90
20-40	102.95	19.10	24.50
20-50	109.95	20.40	26.10
40-70	9.92	1.80	2.40
60-80	1.02	0.20	0.20
70-80	0.13	0.00	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	420.91	77.90	100.00

Total Luminaire Efficiency = 77.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.26
10-20	172.65
20-30	74.49
30-40	28.46
40-50	7.01
50-60	2.02
60-70	0.89
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 = 1768 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)