



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_5W_60DEG_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: SLMR165XW27 (BLACK), 5W LED, Beam 60°
 [LAMP] Time aged: 26 Hrs, Warm up time before test: 26 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.543A, Pin=4.62W, Pf=0.702
 [OTHER] LIGHT OUPUT: CCT=2800K, CRI=83, Beam Angle 54°



CHARACTERISTICS

Lumens Per Lamp	180 (3 lamps)
Total Lamp Lumens	540
Luminaire Lumens	392
Total Luminaire Efficiency	73 %
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	4.62
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.82
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	1759	1759	1759
55	194	194	194
65	72	72	72
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	515.7
5	510.0
10	493.0
15	460.5
20	404.6
25	312.5
30	191.0
35	84.2
40	35.0
45	15.2
50	5.2
55	1.8
60	1.2
65	0.7
70	0.5
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

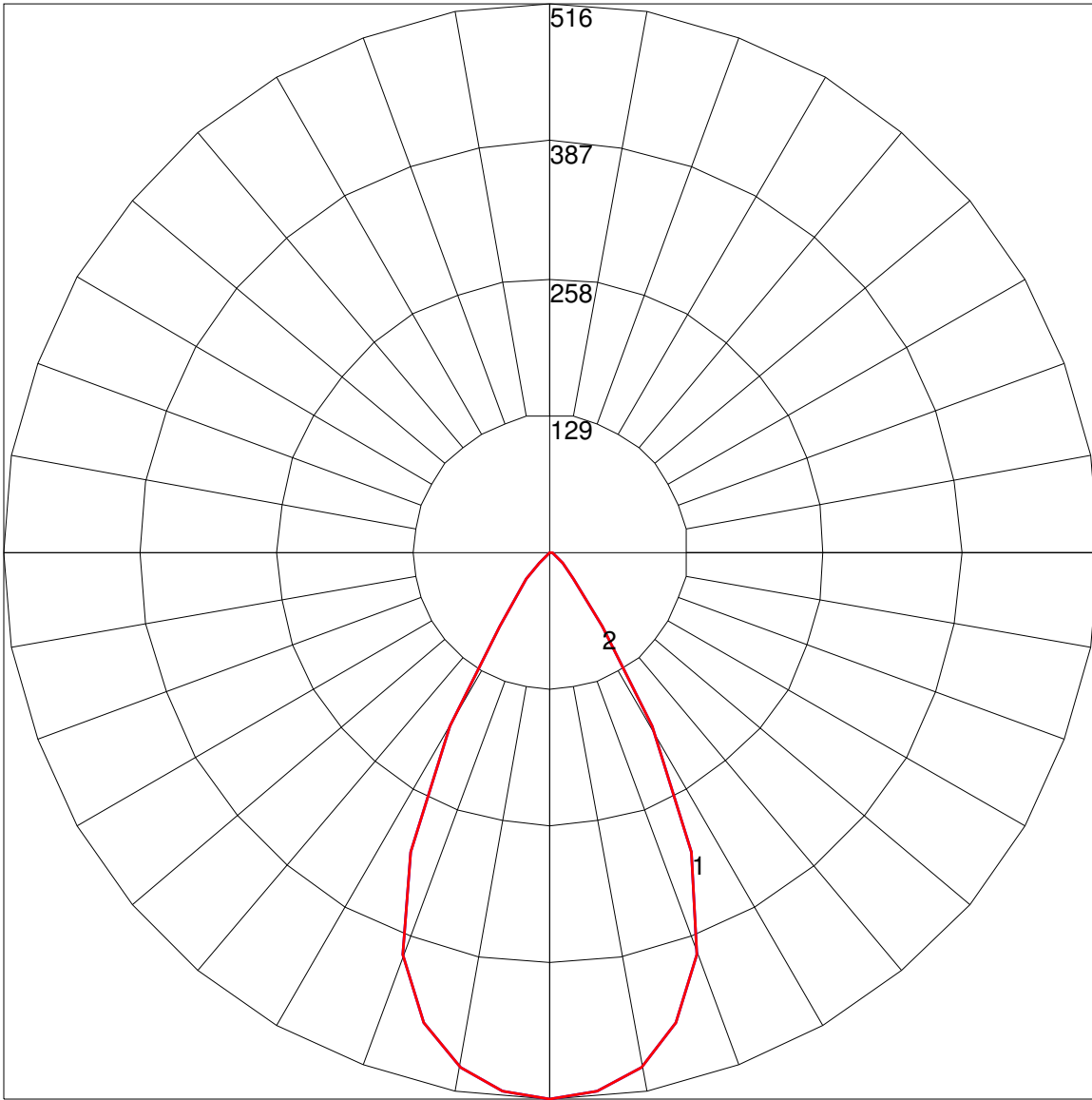
Zone	Lumens	%Lamp	%Fixt
0-20	176.00	32.60	44.90
0-30	314.93	58.30	80.40
0-40	375.34	69.50	95.80
0-60	390.97	72.40	99.80
0-80	391.87	72.60	100.00
0-90	391.87	72.60	100.00
10-90	343.73	63.70	87.70
20-40	199.34	36.90	50.90
20-50	212.76	39.40	54.30
40-70	16.40	3.00	4.20
60-80	0.90	0.20	0.20
70-80	0.13	0.00	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	391.87	72.60	100.00

Total Luminaire Efficiency = 72.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.14
10-20	127.86
20-30	138.93
30-40	60.41
40-50	13.42
50-60	2.22
60-70	0.77
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 = 515.7 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)