



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_5W_45DEG_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: SLMR165W27 (BLACK), 5W LED, Beam 45°
 [LAMP] Time aged: 27 Hrs, Warm up time before test: 27 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.542A, Pin=4.59W, Pf=0.700
 [OTHER] LIGHT OUPUT: CCT=2813K, CRI=83, Beam Angle 38°



CHARACTERISTICS

Lumens Per Lamp	180 (3 lamps)
Total Lamp Lumens	540
Luminaire Lumens	419
Total Luminaire Efficiency	78 %
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	4.59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.58
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	660	660	660
55	183	183	183
65	52	52	52
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	1070.0
5	1037.0
10	909.5
15	692.5
20	433.0
25	210.2
30	85.4
35	32.5
40	10.8
45	5.7
50	3.0
55	1.7
60	1.1
65	0.5
70	0.0
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

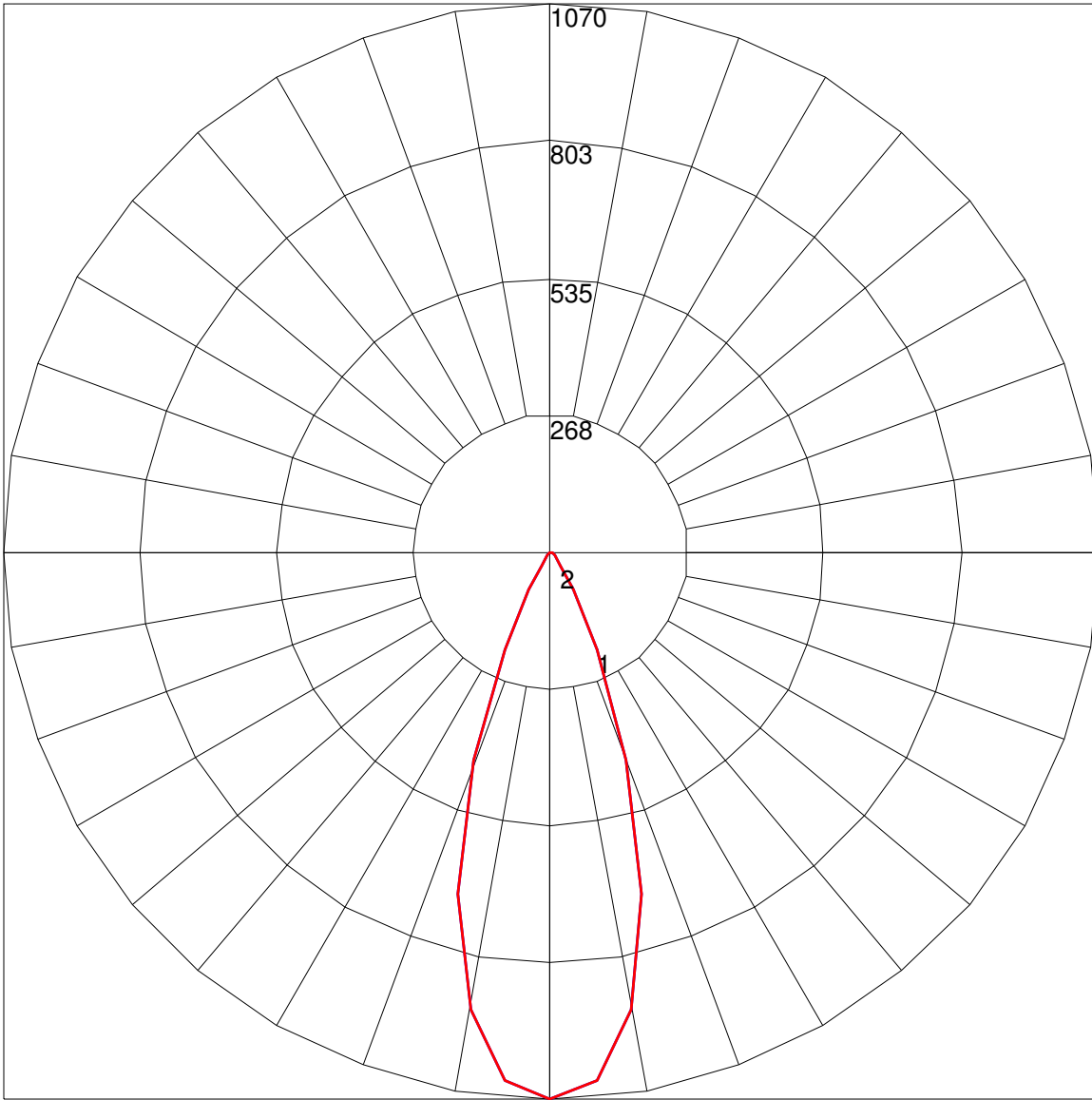
Zone	Lumens	%Lamp	%Fixt
0-20	282.61	52.30	67.40
0-30	387.48	71.80	92.50
0-40	412.06	76.30	98.30
0-60	418.54	77.50	99.90
0-80	419.06	77.60	100.00
0-90	419.06	77.60	100.00
10-90	324.24	60.00	77.40
20-40	129.45	24.00	30.90
20-50	134.27	24.90	32.00
40-70	7.00	1.30	1.70
60-80	0.52	0.10	0.10
70-80	0.00	0.00	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	419.06	77.60	100.00

Total Luminaire Efficiency = 77.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	94.82
10-20	187.79
20-30	104.87
30-40	24.59
40-50	4.81
50-60	1.67
60-70	0.52
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

POLAR GRAPH



Maximum Candela = 1070 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)