

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SBL20\_MR16\_2W\_30DEG\_3\_14\_19.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 00001  
 [TESTLAB] LED SPECIALISTS, INC.  
 [ISSUE DATE] 03-14-2019  
 [MANUFAC] SOURCE LIGHTING CO. BY: CAST  
 [LUMINAIRE] SLC Fixture p/n: SBL20  
 [LAMP] MR16 p/n: SLMR162M27 (GREEN), 2W LED, Beam 30°  
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.  
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.233A, Pin=1.84W, Pf=0.660  
 [OTHER] LIGHT OUPUT: CCT=2805K, CRI=84, Beam Angle 28°



**CHARACTERISTICS**

Lumens Per Lamp	100 (3 lamps)
Total Lamp Lumens	300
Luminaire Lumens	193
Total Luminaire Efficiency	64 %
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	1.84
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.50
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	810	810	810
55	118	118	118
65	0	0	0
75	0	0	0
85	0	0	0

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SBL20\_MR16\_2W\_30DEG\_3\_14\_19.IES**

**CANDELA TABULATION**

	$\theta$
<b>0</b>	586.0
<b>5</b>	543.2
<b>10</b>	422.0
<b>15</b>	274.0
<b>20</b>	155.0
<b>25</b>	87.7
<b>30</b>	51.5
<b>35</b>	25.6
<b>40</b>	12.5
<b>45</b>	7.0
<b>50</b>	3.4
<b>55</b>	1.1
<b>60</b>	0.5
<b>65</b>	0.0
<b>70</b>	0.0
<b>75</b>	0.0
<b>80</b>	0.0
<b>85</b>	0.0
<b>90</b>	0.0

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SBL20\_MR16\_2W\_30DEG\_3\_14\_19.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	124.67	41.60	64.70
0-30	167.74	55.90	87.10
0-40	185.45	61.80	96.30
0-60	192.51	64.20	99.90
0-80	192.63	64.20	100.00
0-90	192.63	64.20	100.00
10-90	144.60	48.20	75.10
20-40	60.78	20.30	31.60
20-50	66.49	22.20	34.50
40-70	7.18	2.40	3.70
60-80	0.12	0.00	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	192.63	64.20	100.00

Total Luminaire Efficiency = 64.20%

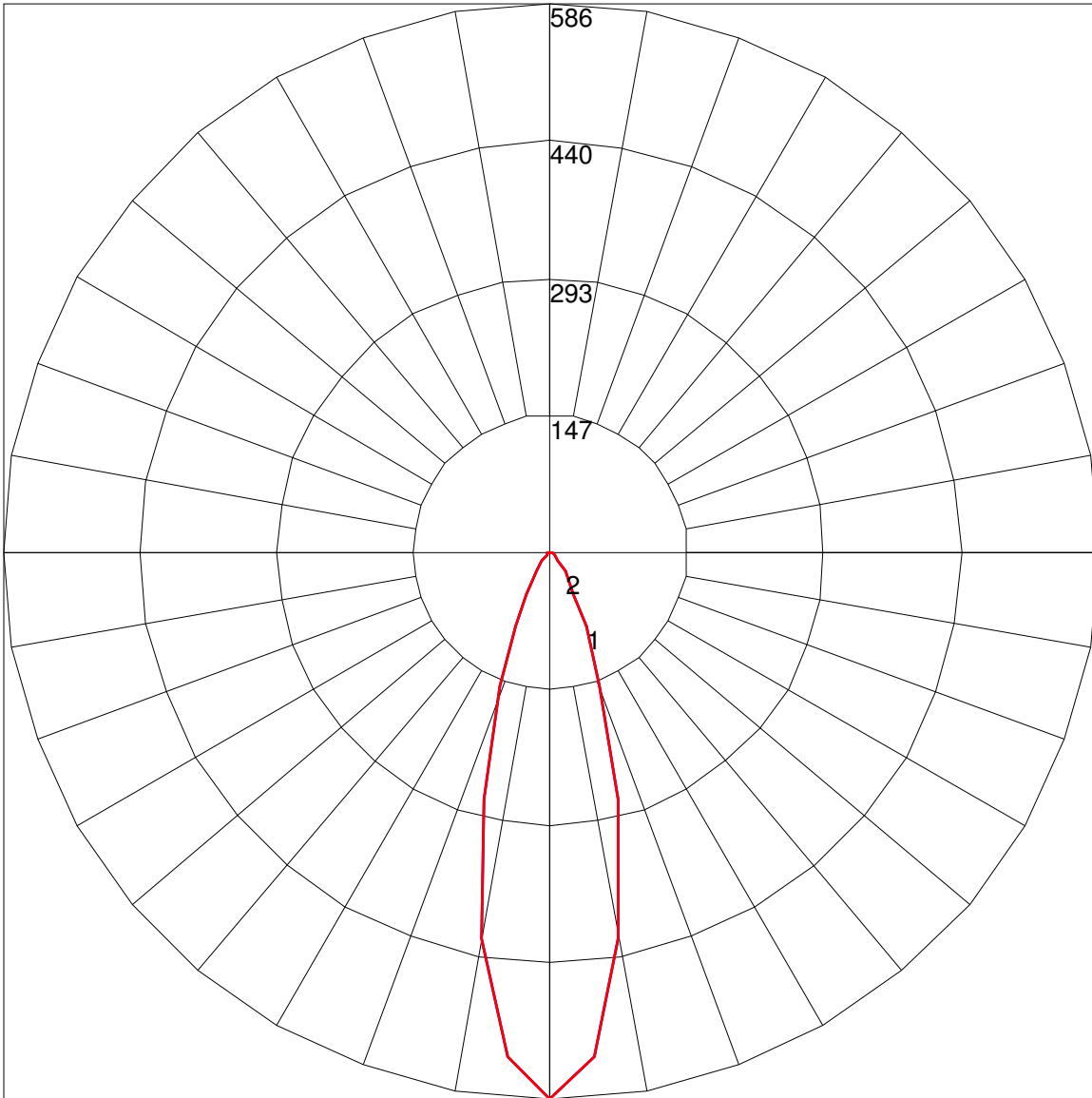
**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.03
10-20	76.64
20-30	43.07
30-40	17.71
40-50	5.71
50-60	1.35
60-70	0.12
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

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SBL20\_MR16\_2W\_30DEG\_3\_14\_19.IES**

**POLAR GRAPH**



Maximum Candela = 586 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)