



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SBL20\_MR16\_2W\_60DEG\_3\_14\_19.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 00001  
 [TESTLAB] LED SPECIALISTS, INC.  
 [ISSUEDATE] 03-14-2019  
 [MANUFAC] SOURCE LIGHTING CO. BY: CAST  
 [LUMINAIRE] SLC Fixture p/n: SBL20  
 [LAMP] MR16 p/n: SLMR162XW27 (GREEN), 2W LED, Beam 60°  
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.  
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.226A, Pin=1.814, Pf=0.663  
 [OTHER] LIGHT OUPUT: CCT=2769K, CRI=84, Beam Angle 53°



**CHARACTERISTICS**

Lumens Per Lamp	100 (3 lamps)
Total Lamp Lumens	300
Luminaire Lumens	183
Total Luminaire Efficiency	61 %
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	1.814
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.84
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	833	833	833
55	108	108	108
65	0	0	0
75	0	0	0
85	0	0	0

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**CANDELA TABULATION**

	<b><math>\theta</math></b>
<b>0</b>	238.0
<b>5</b>	234.2
<b>10</b>	224.5
<b>15</b>	205.7
<b>20</b>	174.6
<b>25</b>	135.7
<b>30</b>	93.5
<b>35</b>	53.8
<b>40</b>	21.3
<b>45</b>	7.2
<b>50</b>	1.6
<b>55</b>	1.0
<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

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	78.92	26.30	43.20
0-30	140.47	46.80	76.90
0-40	174.69	58.20	95.60
0-60	182.65	60.90	99.90
0-80	182.78	60.90	100.00
0-90	182.78	60.90	100.00
10-90	160.72	53.60	87.90
20-40	95.77	31.90	52.40
20-50	102.83	34.30	56.30
40-70	8.09	2.70	4.40
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	182.78	60.90	100.00

Total Luminaire Efficiency = 60.90%

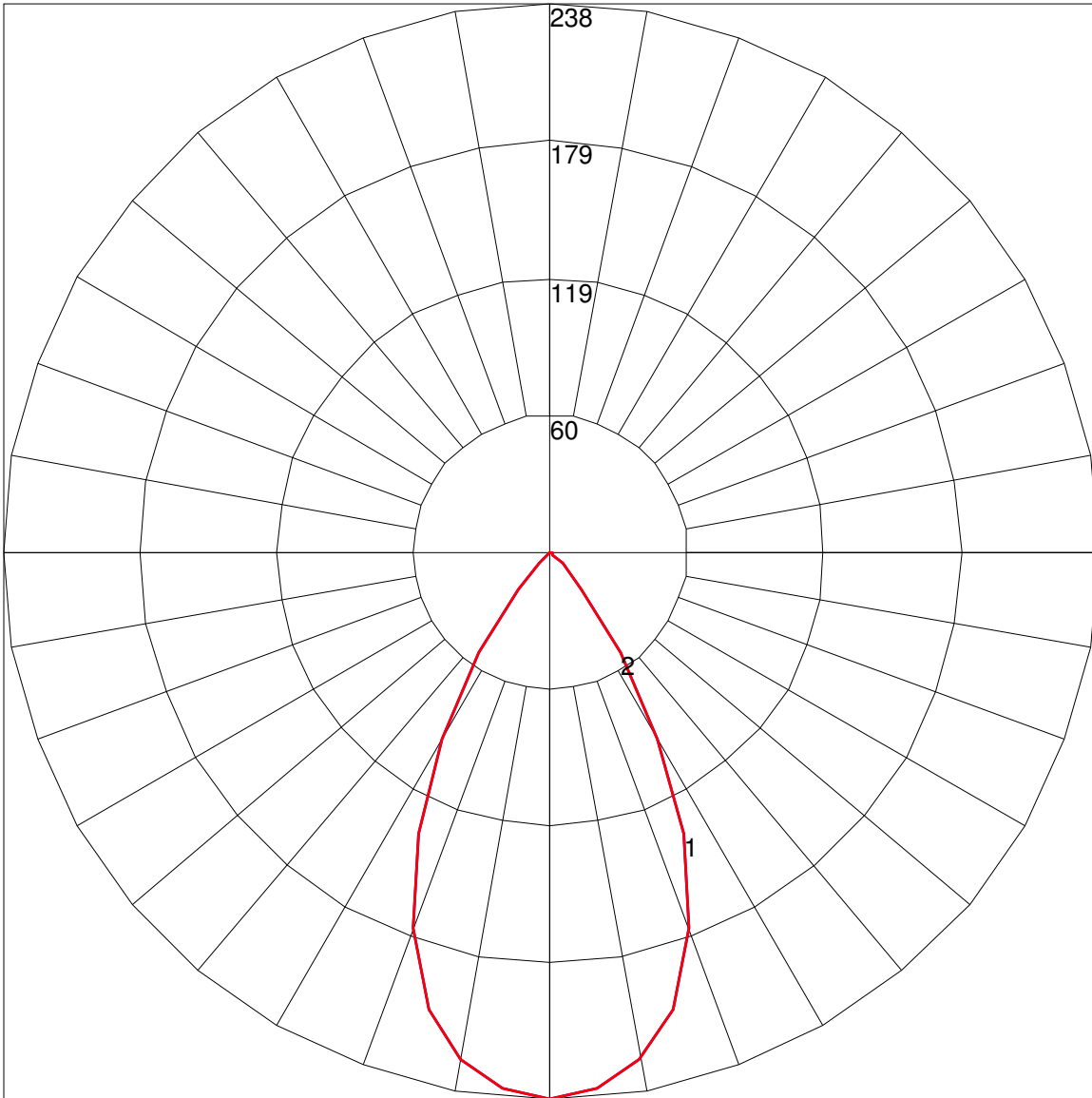
**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	22.05
10-20	56.86
20-30	61.55
30-40	34.22
40-50	7.06
50-60	0.91
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

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**POLAR GRAPH**



Maximum Candela = 238 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)