



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_4W_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: SLMR164XW27 (BLUE), 4W LED, Beam 60°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.378A, Pin=3.135W, Pf=0.690
 [OTHER] LIGHT OUPUT: CCT=2805K, CRI=84, Beam Angle 56°



CHARACTERISTICS

Lumens Per Lamp	130 (3 lamps)
Total Lamp Lumens	390
Luminaire Lumens	299
Total Luminaire Efficiency	77 %
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	3.135
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



SOURCE

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1377	1377	1377
55	129	129	129
65	0	0	0
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	380.6
5	377.2
10	366.5
15	332.2
20	282.3
25	218.6
30	152.5
35	92.3
40	37.5
45	11.9
50	3.0
55	1.2
60	0.5
65	0.0
70	0.0
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

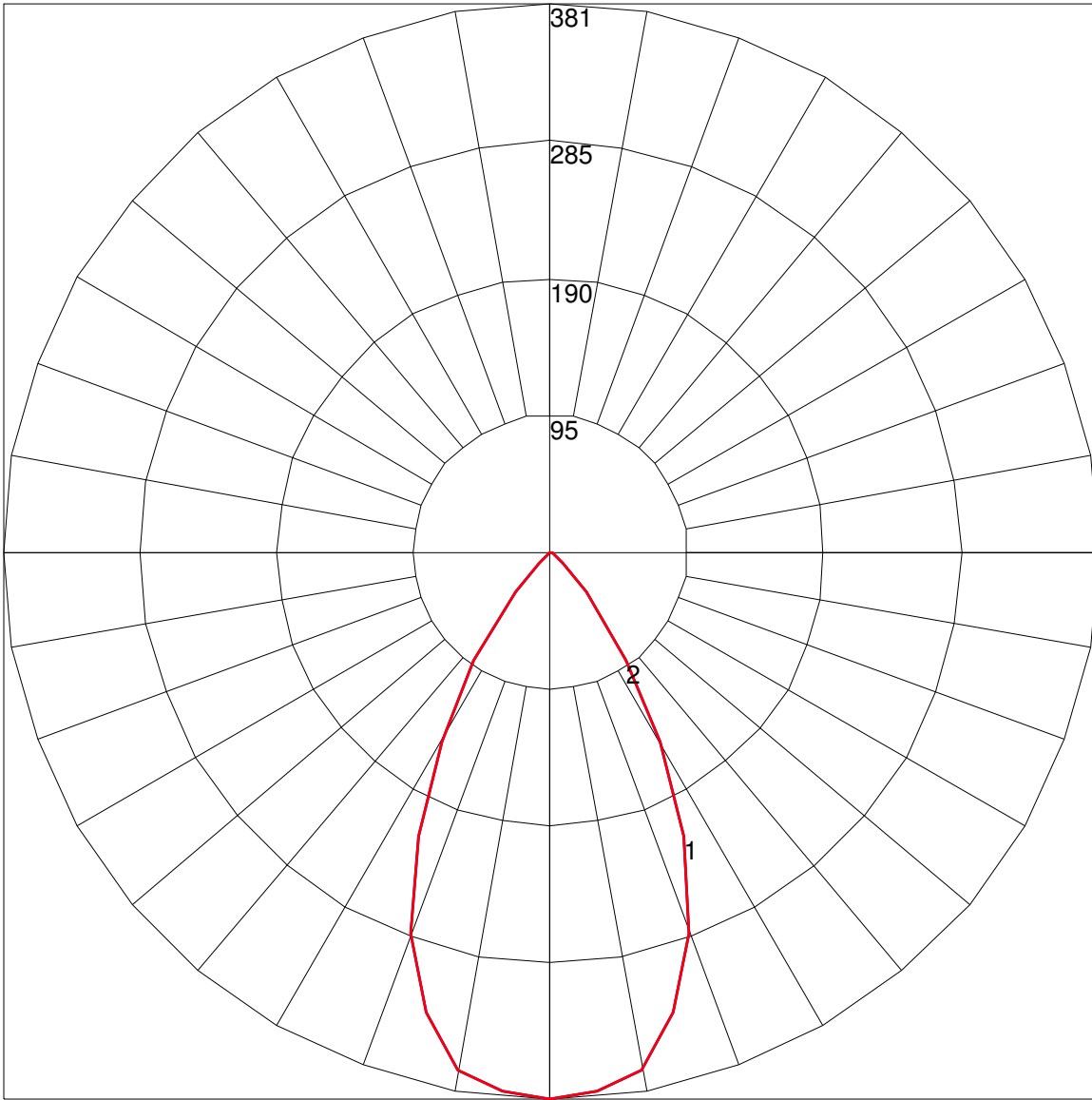
Zone	Lumens	%Lamp	%Fixt
0-20	127.75	32.80	42.80
0-30	227.25	58.30	76.10
0-40	284.96	73.10	95.50
0-60	298.42	76.50	100.00
0-80	298.54	76.50	100.00
0-90	298.54	76.50	100.00
10-90	262.88	67.40	88.10
20-40	157.20	40.30	52.70
20-50	169.36	43.40	56.70
40-70	13.59	3.50	4.60
60-80	0.12	0.00	0.00
70-80	0.00	0.00	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	298.54	76.50	100.00

Total Luminaire Efficiency = 76.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	35.66
10-20	92.09
20-30	99.50
30-40	57.70
40-50	12.16
50-60	1.31
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

POLAR GRAPH



Maximum Candela = 380.6 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)