



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_4W_45DEG_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: SLMR164W27 (BLUE), 4W LED, Beam 45°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.387A, Pin=3.224W, Pf=0.691
 [OTHER] LIGHT OUPUT: CCT=2817K, CRI=84, Beam Angle 40°



CHARACTERISTICS

Lumens Per Lamp	130 (3 lamps)
Total Lamp Lumens	390
Luminaire Lumens	304
Total Luminaire Efficiency	78 %
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	3.224
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.66
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



SLC Fixture SBL20



SOURCE

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1192	1192	1192
55	118	118	118
65	41	41	41
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	590.0
5	572.6
10	513.4
15	412.6
20	293.4
25	188.8
30	113.2
35	55.8
40	23.9
45	10.3
50	3.2
55	1.1
60	0.7
65	0.4
70	0.0
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

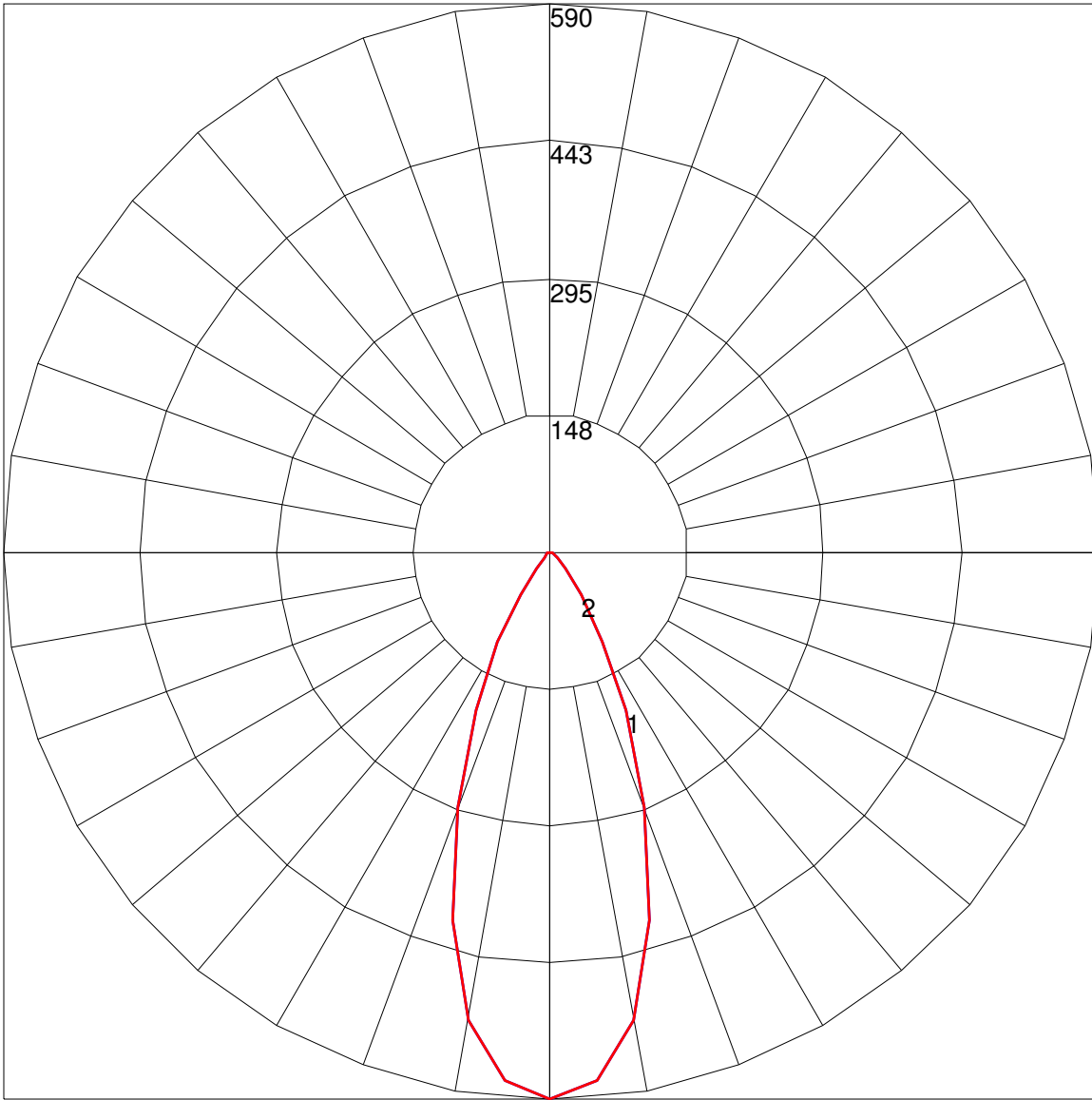
Zone	Lumens	%Lamp	%Fixt
0-20	165.86	42.50	54.60
0-30	254.65	65.30	83.90
0-40	292.84	75.10	96.50
0-60	303.25	77.80	99.90
0-80	303.62	77.90	100.00
0-90	303.62	77.90	100.00
10-90	250.87	64.30	82.60
20-40	126.98	32.60	41.80
20-50	136.04	34.90	44.80
40-70	10.78	2.80	3.60
60-80	0.37	0.10	0.10
70-80	0.00	0.00	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	303.62	77.90	100.00

Total Luminaire Efficiency = 77.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.75
10-20	113.11
20-30	88.79
30-40	38.18
40-50	9.06
50-60	1.35
60-70	0.37
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 = 590 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)