



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_6W_45DEG_3_12_19.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 00001
 [TESTLAB] LED SPECIALISTS, INC.
 [ISSUEDATE] 03-12-2019
 [MANUFAC] SOURCE LIGHTING CO. BY: CAST
 [LUMINAIRE] SLC Fixture p/n: SBL20
 [LAMP] MR16 p/n: SLMR166W27 (WHITE), 6W LED, Beam 45°
 [LAMP] Time aged: 4 Hrs, Warm up time before test: 4 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.706A, Pin=6.09W, Pf=0.717
 [OTHER] LIGHT OUPUT: CCT=2770K, CRI=83, Beam Angle 43°



CHARACTERISTICS

Lumens Per Lamp	120 (6 lamps)
Total Lamp Lumens	720
Luminaire Lumens	527
Total Luminaire Efficiency	73 %
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	6.09
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.70
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	2060	2060	2060
55	334	334	334
65	103	103	103
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	θ
0	939.0
5	914.0
10	834.0
15	696.0
20	530.0
25	357.0
30	197.0
35	97.0
40	43.0
45	17.8
50	7.5
55	3.1
60	1.6
65	1.0
70	0.5
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	276.48	38.40	52.40
0-30	439.62	61.10	83.40
0-40	506.27	70.30	96.00
0-60	526.03	73.10	99.80
0-80	527.18	73.20	100.00
0-90	527.18	73.20	100.00
10-90	442.49	61.50	83.90
20-40	229.79	31.90	43.60
20-50	246.16	34.20	46.70
40-70	20.77	2.90	3.90
60-80	1.14	0.20	0.20
70-80	0.13	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	527.18	73.20	100.00

Total Luminaire Efficiency = 73.20%

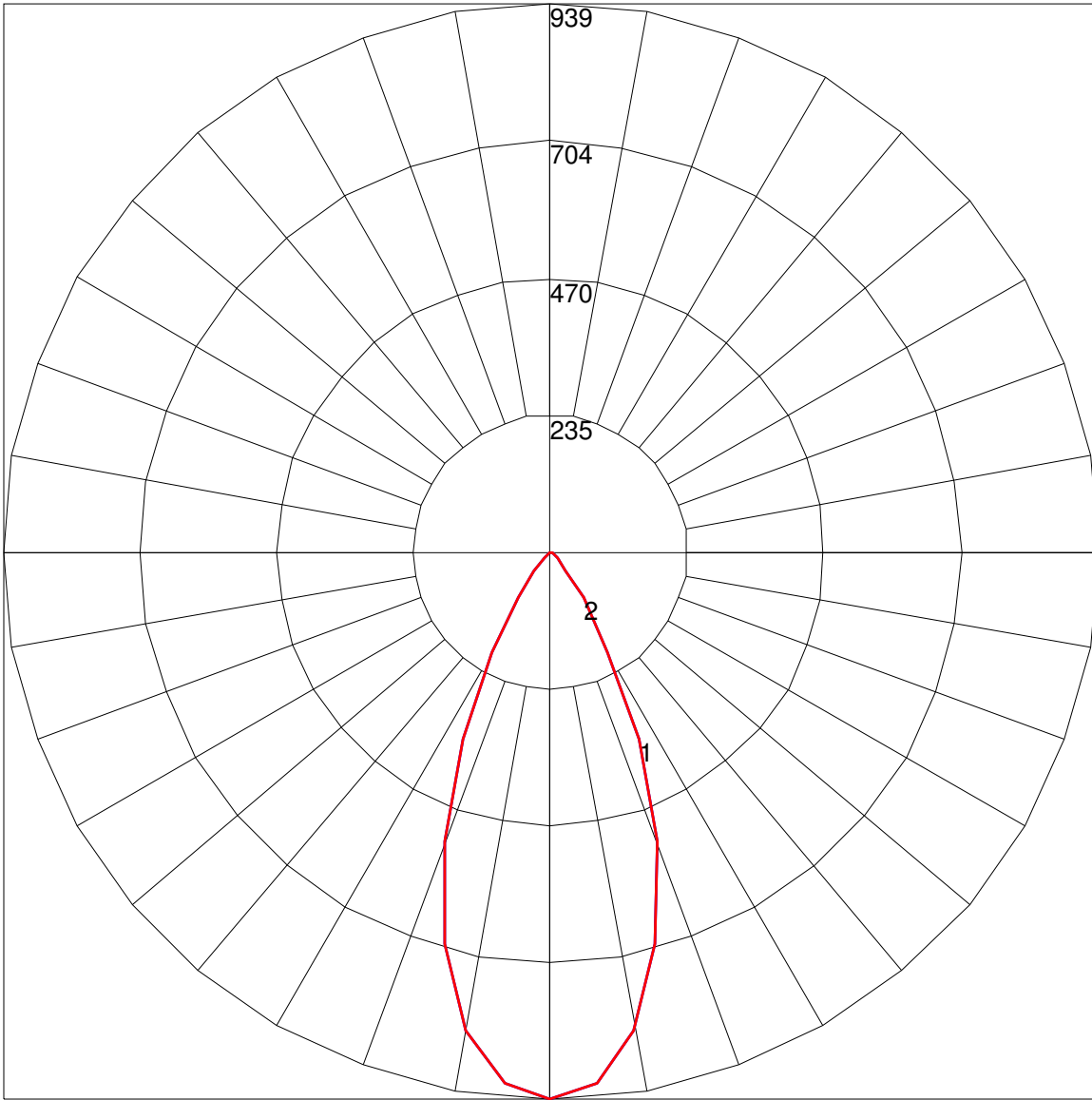
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	84.68
10-20	191.80
20-30	163.14
30-40	66.65
40-50	16.37
50-60	3.39
60-70	1.01
70-80	0.13
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 = 939 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)