



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SBL20_MR16_2W_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: SLMR162W27 (GREEN), 2W LED, Beam 45°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.236A, Pin=1.88W, Pf=0.664
 [OTHER] LIGHT OUPUT: CCT=2776K, CRI=84, Beam Angle 40°



CHARACTERISTICS

Lumens Per Lamp	100 (3 lamps)
Total Lamp Lumens	300
Luminaire Lumens	189
Total Luminaire Efficiency	63 %
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	1.88
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	729	729	729
55	97	97	97
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	θ
0	366.0
5	354.8
10	318.0
15	255.0
20	185.0
25	116.7
30	70.1
35	34.4
40	15.0
45	6.3
50	2.0
55	0.9
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	102.94	34.30	54.60
0-30	158.22	52.70	83.90
0-40	181.85	60.60	96.40
0-60	188.43	62.80	99.90
0-80	188.55	62.90	100.00
0-90	188.55	62.90	100.00
10-90	155.86	52.00	82.70
20-40	78.91	26.30	41.90
20-50	84.53	28.20	44.80
40-70	6.70	2.20	3.60
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	188.55	62.90	100.00

Total Luminaire Efficiency = 62.90%

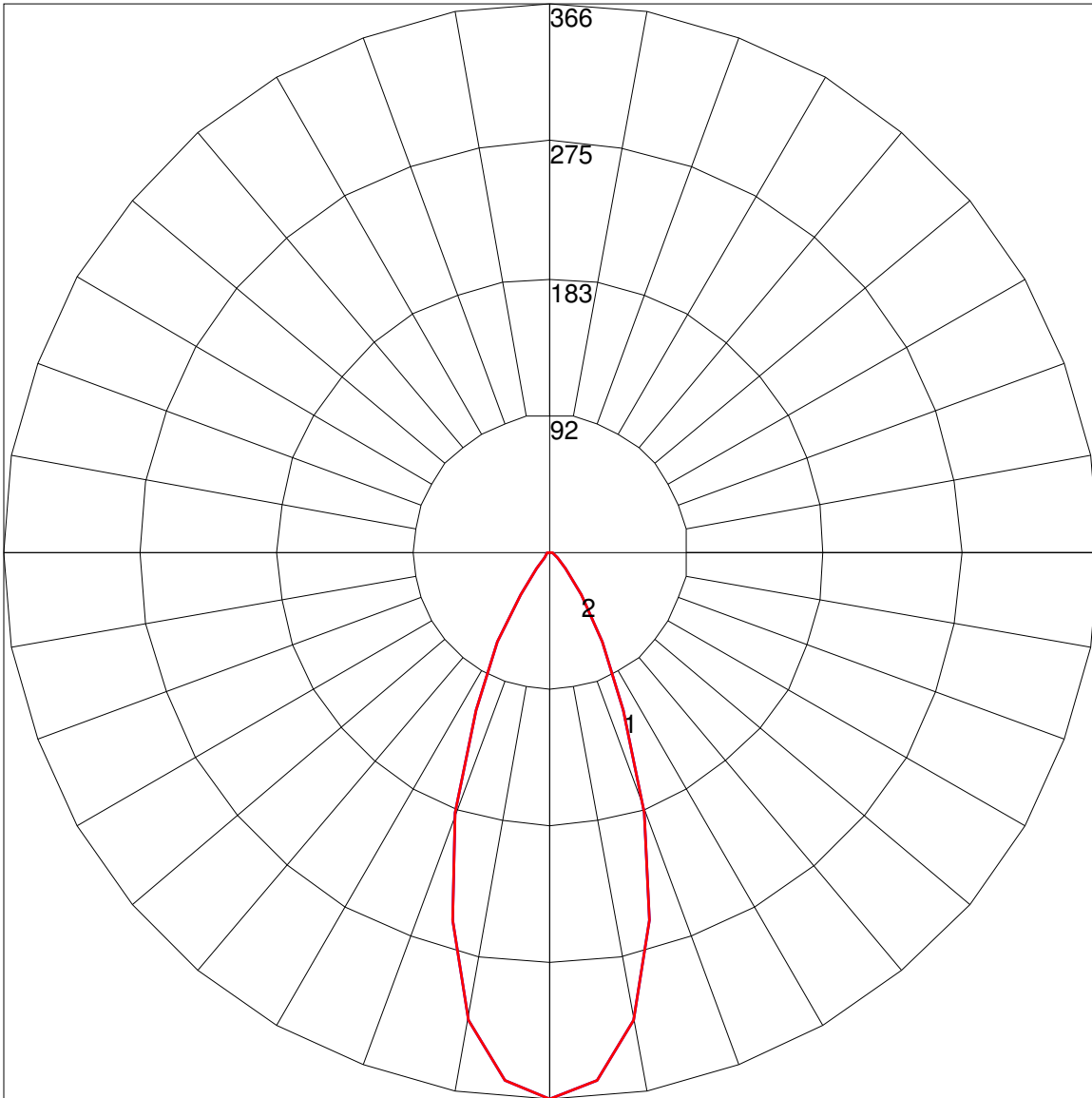
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	32.69
10-20	70.25
20-30	55.28
30-40	23.63
40-50	5.62
50-60	0.95
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 = 366 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)