



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SBL20_MR16_2W_120DEG_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: SLMR162XXW27 (GREEN), 2W LED, Beam 120°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.228A, Pin=1.868, Pf=0.671
 [OTHER] LIGHT OUPUT: CCT=2777K, CRI=84, Beam Angle 78°



CHARACTERISTICS

Lumens Per Lamp	100 (3 lamps)
Total Lamp Lumens	300
Luminaire Lumens	128
Total Luminaire Efficiency	43 %
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	1.868
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.16
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	2384	2384	2384
55	172	172	172
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	θ
0	83.9
5	84.5
10	86.0
15	86.1
20	85.2
25	82.3
30	77.0
35	63.0
40	42.1
45	20.6
50	6.1
55	1.6
60	0.3
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	32.44	10.80	25.40
0-30	70.17	23.40	55.00
0-40	108.32	36.10	85.00
0-60	127.44	42.50	99.90
0-80	127.51	42.50	100.00
0-90	127.51	42.50	100.00
10-90	119.40	39.80	93.60
20-40	75.88	25.30	59.50
20-50	92.88	31.00	72.80
40-70	19.19	6.40	15.10
60-80	0.07	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	127.51	42.50	100.00

Total Luminaire Efficiency = 42.50%

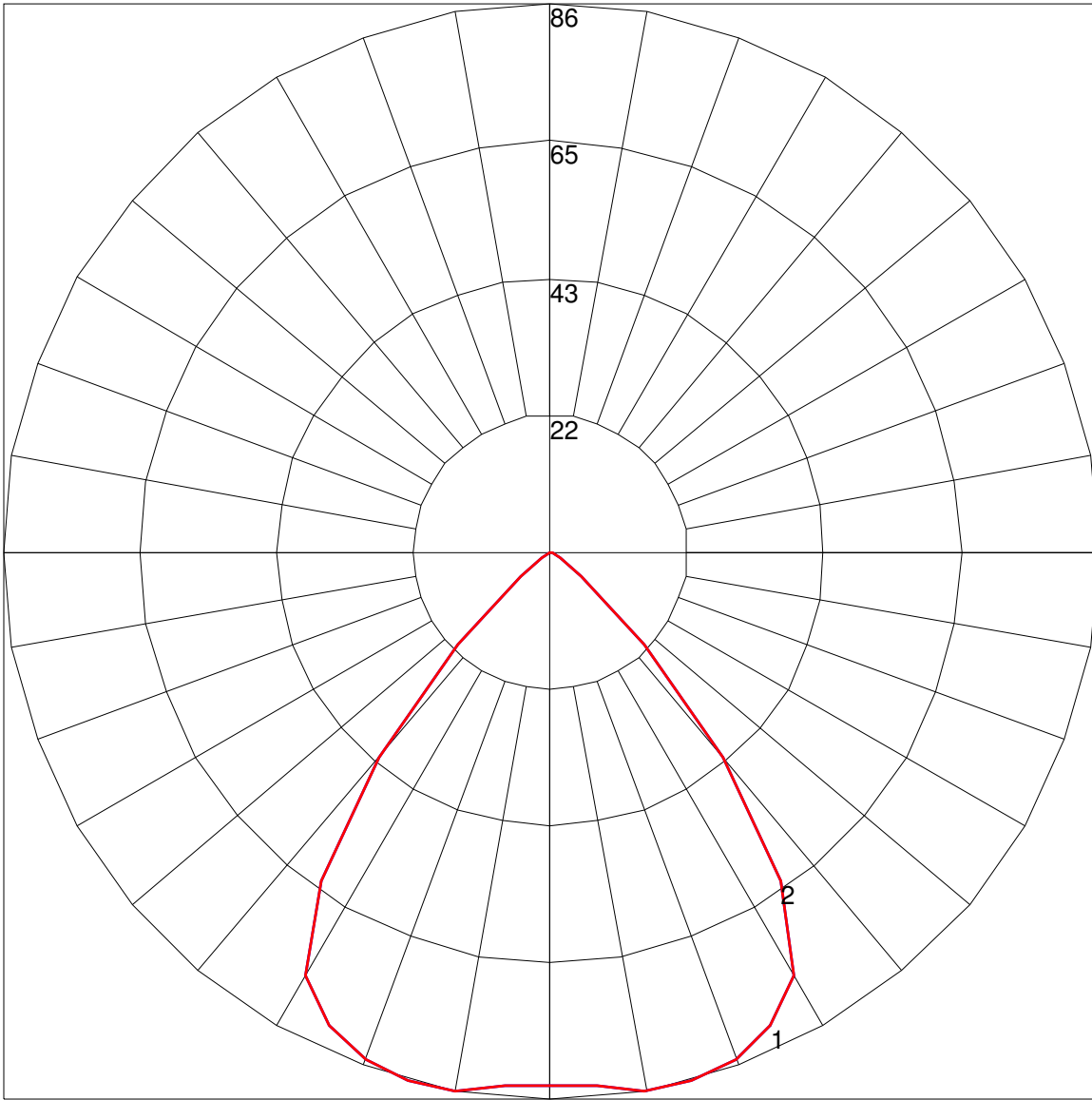
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	8.11
10-20	24.33
20-30	37.73
30-40	38.15
40-50	17.00
50-60	2.11
60-70	0.07
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 = 86.1 Located At Horizontal Angle = 0, Vertical Angle = 15

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (90 - 270)