



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_6W_120DEG_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: SLMR166XXW27 (WHITE), 6W LED, Beam 120°
 [LAMP] Time aged: 6 Hrs, Warm up time before test: 6 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.687A, Pin=5.92W, Pf=0.714
 [OTHER] LIGHT OUPUT: CCT=2824K, CRI=83, Beam Angle 70°



CHARACTERISTICS

Lumens Per Lamp	120 (6 lamps)
Total Lamp Lumens	720
Luminaire Lumens	213
Total Luminaire Efficiency	30 %
Luminaire Efficacy Rating (LER)	36
Total Luminaire Watts	5.92
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.04
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	4085	4085	4085
55	581	581	581
65	114	114	114
75	51	51	51
85	0	0	0

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CANDELA TABULATION

	θ
0	168.0
5	167.0
10	164.0
15	160.0
20	153.0
25	142.0
30	110.0
35	85.5
40	59.5
45	35.3
50	17.0
55	5.4
60	1.6
65	1.1
70	0.8
75	0.5
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	60.86	8.50	28.60
0-30	123.69	17.20	58.10
0-40	176.67	24.50	83.00
0-60	211.28	29.30	99.20
0-80	212.89	29.60	100.00
0-90	212.89	29.60	100.00
10-90	197.05	27.40	92.60
20-40	115.81	16.10	54.40
20-50	143.93	20.00	67.60
40-70	35.75	5.00	16.80
60-80	1.61	0.20	0.80
70-80	0.47	0.10	0.20
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	212.89	29.60	100.00

Total Luminaire Efficiency = 29.60%

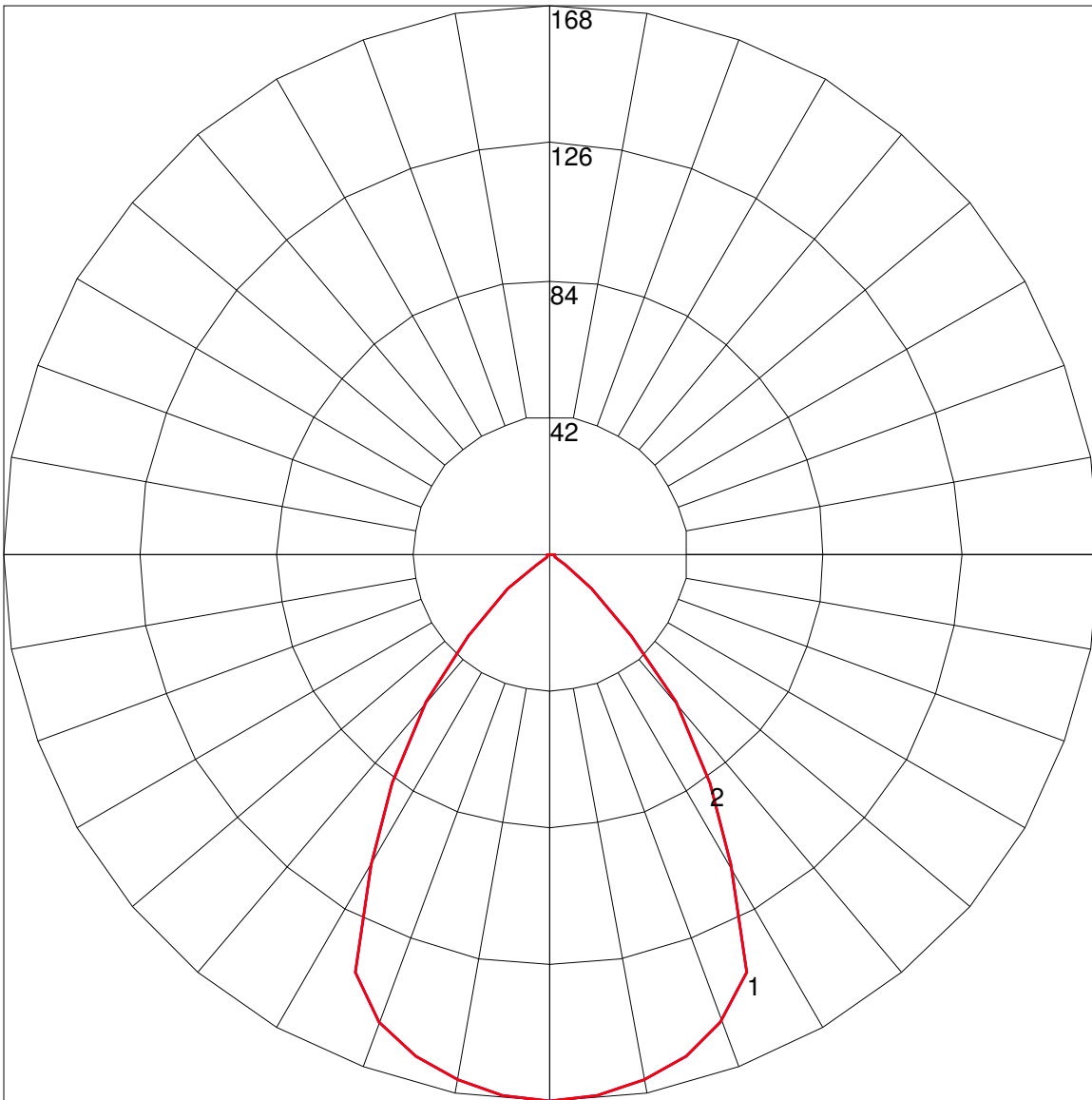
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.85
10-20	45.02
20-30	62.83
30-40	52.98
40-50	28.12
50-60	6.49
60-70	1.14
70-80	0.47
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 = 168 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)