



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_6W_60DEG_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: SLMR166XW27 (WHITE), 6W LED, Beam 60°
 [LAMP] Time aged: 6 Hrs, Warm up time before test: 6 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.695A, Pin=5.98W, Pf=0.715
 [OTHER] LIGHT OUPUT: CCT=2776K, CRI=83, Beam Angle 55°



CHARACTERISTICS

Lumens Per Lamp	120 (6 lamps)
Total Lamp Lumens	720
Luminaire Lumens	440
Total Luminaire Efficiency	61 %
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	5.98
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.84
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	4050	4050	4050
55	484	484	484
65	155	155	155
75	51	51	51
85	0	0	0

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CANDELA TABULATION

	θ
0	523.0
5	516.0
10	495.0
15	455.0
20	395.0
25	316.0
30	212.0
35	126.0
40	77.0
45	35.0
50	18.3
55	4.5
60	2.3
65	1.5
70	1.0
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	174.99	24.30	39.80
0-30	316.38	43.90	71.90
0-40	400.02	55.60	90.90
0-60	438.06	60.80	99.50
0-80	440.14	61.10	100.00
0-90	440.14	61.10	100.00
10-90	391.56	54.40	89.00
20-40	225.03	31.30	51.10
20-50	256.54	35.60	58.30
40-70	39.59	5.50	9.00
60-80	2.08	0.30	0.50
70-80	0.53	0.10	0.10
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	440.14	61.10	100.00

Total Luminaire Efficiency = 61.10%

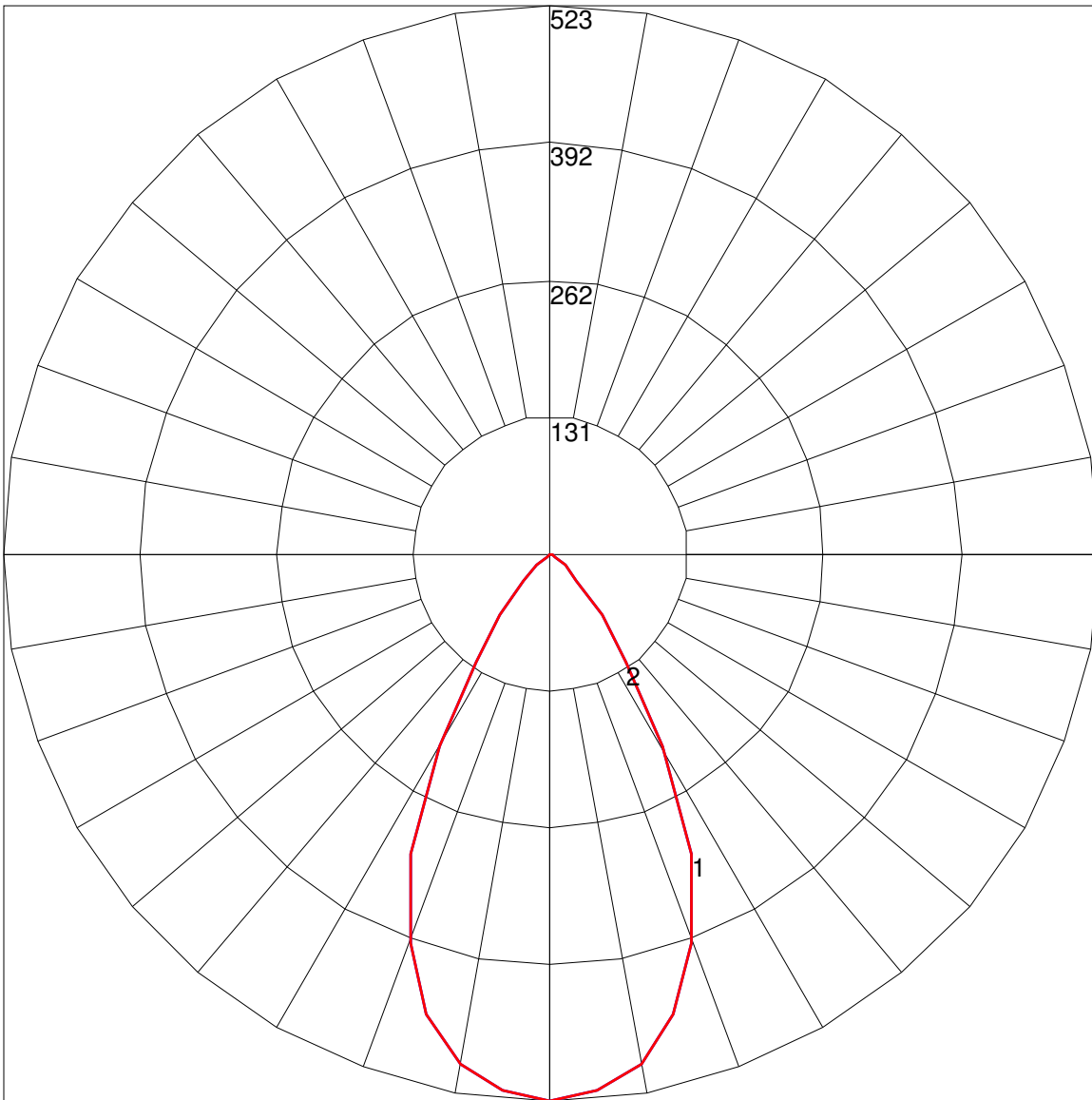
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.59
10-20	126.41
20-30	141.39
30-40	83.64
40-50	31.51
50-60	6.53
60-70	1.56
70-80	0.53
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 = 523 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)