



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_6W_30DEG_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: SLMR166M27 (WHITE), 6W LED, Beam 30°
 [LAMP] Time aged: 6 Hrs, Warm up time before test: 6 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.687A, Pin=5.94W, Pf=0.718
 [OTHER] LIGHT OUPUT: CCT=2808K, CRI=83, Beam Angle 26°



CHARACTERISTICS

Lumens Per Lamp	120 (6 lamps)
Total Lamp Lumens	720
Luminaire Lumens	575
Total Luminaire Efficiency	80 %
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	5.94
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.48
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



SLC Fixture SBL20



SOURCE

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1678	1678	1678
55	323	323	323
65	72	72	72
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	θ
0	2047.0
5	1847.0
10	1376.0
15	883.0
20	493.0
25	237.0
30	96.0
35	42.5
40	23.6
45	14.5
50	7.0
55	3.0
60	1.6
65	0.7
70	0.3
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	409.25	56.80	71.20
0-30	527.96	73.30	91.80
0-40	559.38	77.70	97.30
0-60	574.02	79.70	99.80
0-80	574.91	79.80	100.00
0-90	574.91	79.80	100.00
10-90	413.06	57.40	71.80
20-40	150.13	20.90	26.10
20-50	161.53	22.40	28.10
40-70	15.45	2.10	2.70
60-80	0.89	0.10	0.20
70-80	0.08	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	574.91	79.80	100.00

Total Luminaire Efficiency = 79.80%

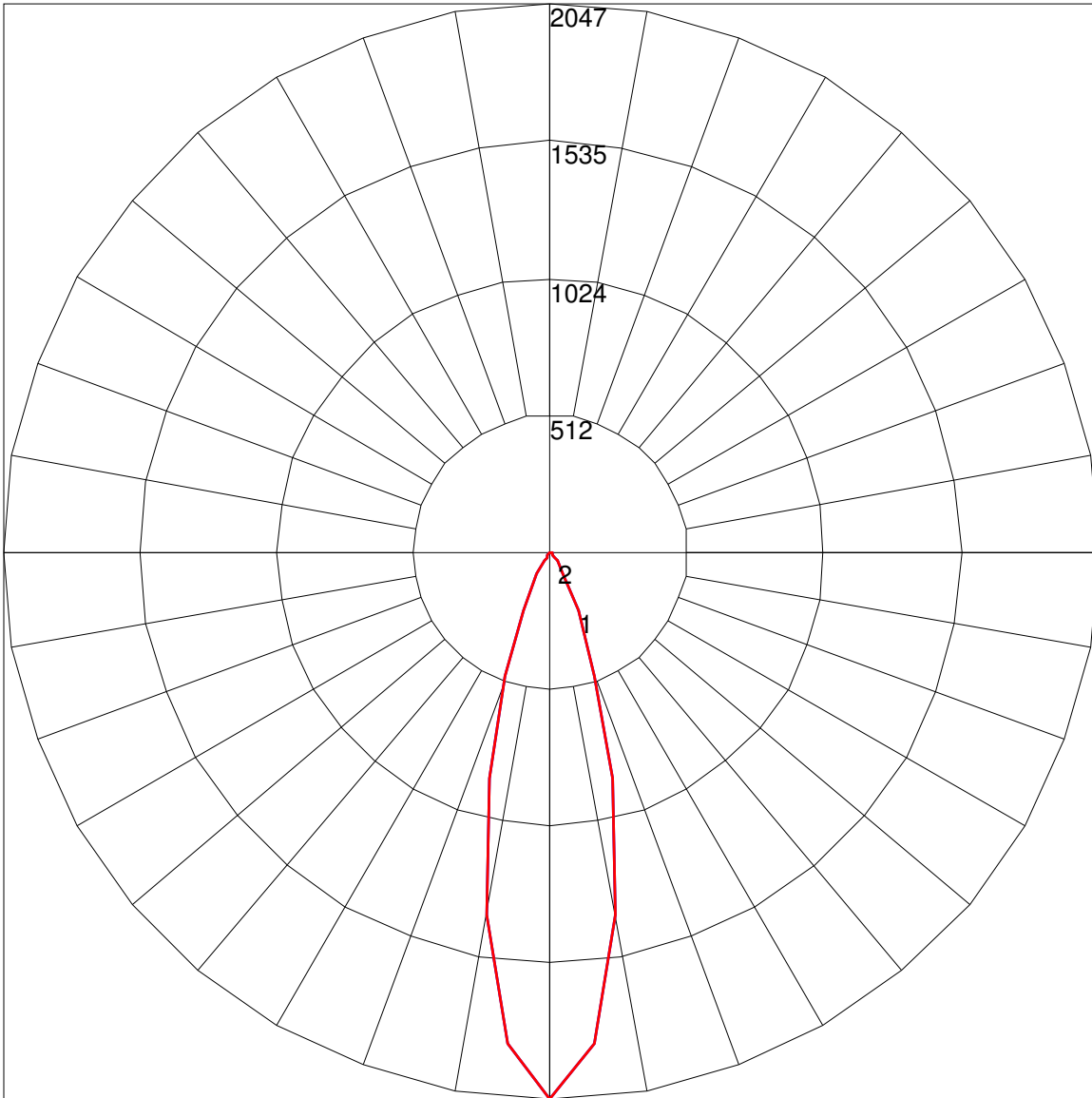
ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.85
10-20	247.40
20-30	118.70
30-40	31.42
40-50	11.40
50-60	3.24
60-70	0.81
70-80	0.08
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 = 2047 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)