



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_4W_30DEG_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: SLMR164M27 (BLUE), 4W LED, Beam 30°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.375A, Pin=3.136W, Pf=0.693
 [OTHER] LIGHT OUPUT: CCT=2825K, CRI=84, Beam Angle 28°



CHARACTERISTICS

Lumens Per Lamp	130 (3 lamps)
Total Lamp Lumens	390
Luminaire Lumens	305
Total Luminaire Efficiency	78 %
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	3.136
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.50
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	845	845	845
55	75	75	75
65	0	0	0
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	973.0
5	899.0
10	694.7
15	448.0
20	249.3
25	137.1
30	76.6
35	36.1
40	17.9
45	7.3
50	1.4
55	0.7
60	0.4
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

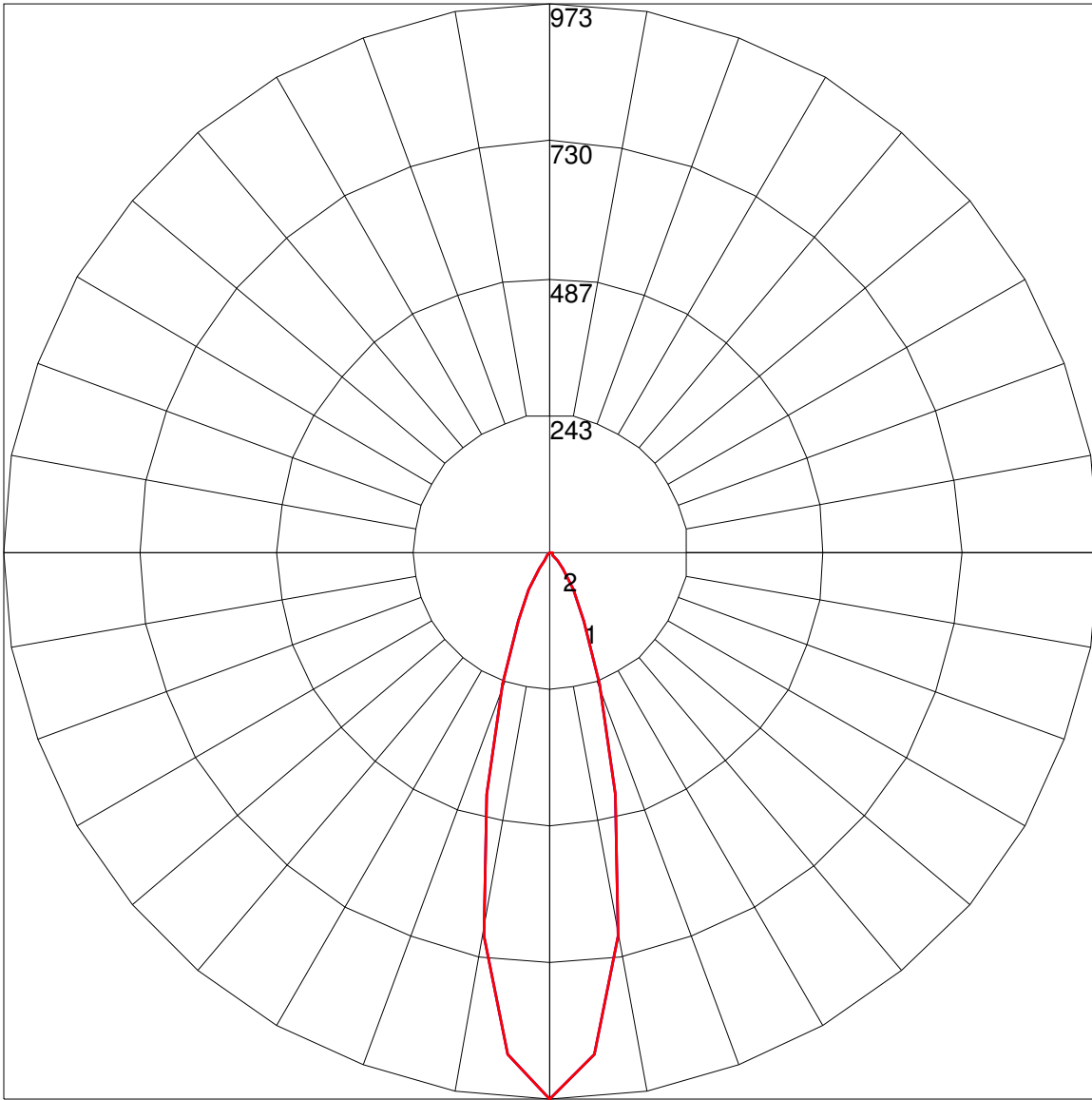
Zone	Lumens	%Lamp	%Fixt
0-20	204.64	52.50	67.10
0-30	272.21	69.80	89.20
0-40	297.82	76.40	97.60
0-60	304.95	78.20	100.00
0-80	305.05	78.20	100.00
0-90	305.05	78.20	100.00
10-90	225.66	57.90	74.00
20-40	93.18	23.90	30.50
20-50	99.60	25.50	32.70
40-70	7.23	1.90	2.40
60-80	0.10	0.00	0.00
70-80	0.00	0.00	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	305.05	78.20	100.00

Total Luminaire Efficiency = 78.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.39
10-20	125.25
20-30	67.57
30-40	25.61
40-50	6.42
50-60	0.71
60-70	0.10
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

POLAR GRAPH



Maximum Candela = 973 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)