



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SBL20_MR16_4W_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: SLMR164XXW27 (BLUE), 4W LED, Beam 120°
 [LAMP] Time aged: 50 Hrs, Warm up time before test: 50 Hrs.
 [OTHER] POWER INPUT: Vin=12.0VAC, Iin=0.393A, Pin=3.277W, Pf=0.691
 [OTHER] LIGHT OUPUT: CCT=2778K, CRI=84, Beam Angle 78°



CHARACTERISTICS

Lumens Per Lamp	130 (3 lamps)
Total Lamp Lumens	390
Luminaire Lumens	199
Total Luminaire Efficiency	51 %
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	3.277
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.14
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	3391	3391	3391
55	183	183	183
65	52	52	52
75	0	0	0
85	0	0	0

CANDELA TABULATION

	<u>0</u>
0	134.0
5	135.1
10	136.9
15	137.0
20	135.2
25	131.6
30	122.2
35	101.6
40	60.3
45	29.3
50	8.3
55	1.7
60	0.9
65	0.5
70	0.0
75	0.0
80	0.0
85	0.0
90	0.0

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ZONAL LUMEN SUMMARY

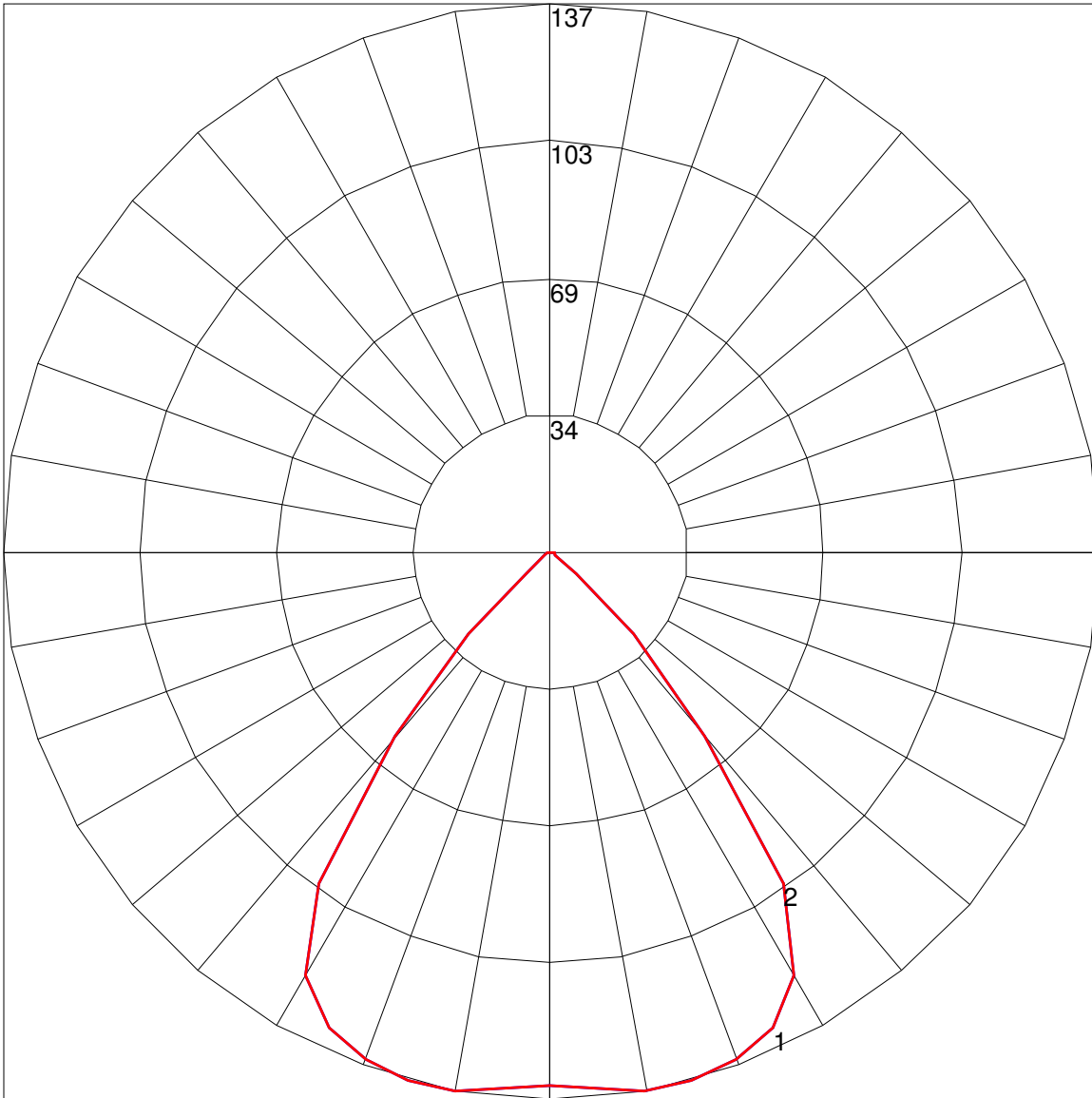
Zone	Lumens	%Lamp	%Fixt
0-20	51.63	13.20	25.90
0-30	111.73	28.60	56.10
0-40	171.70	44.00	86.20
0-60	198.66	50.90	99.80
0-80	199.13	51.10	100.00
0-90	199.13	51.10	100.00
10-90	186.18	47.70	93.50
20-40	120.07	30.80	60.30
20-50	144.26	37.00	72.40
40-70	27.43	7.00	13.80
60-80	0.47	0.10	0.20
70-80	0.00	0.00	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	199.13	51.10	100.00

Total Luminaire Efficiency = 51.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	12.95
10-20	38.68
20-30	60.10
30-40	59.97
40-50	24.19
50-60	2.78
60-70	0.47
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 = 137 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)