

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LUM271810W3K0120D120D120VBSI_4DOT5FT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 0001
 [ISSUE DATE] 6/6/2017 14:47
 [MANUFAC] Boca Flasher Inc.
 [LUMCAT] LUMELINE
 [LUMINAIRE] 10W, 120°X120°, SATIN ICE, BLACK ANODIZED, 120V, 4.5FT
 [LAMP CAT] SOLID COLOR
 [LAMP] 3000K
 [_VOLTAGE] 119.9 V
 [_CURRENT] 0.388 A
 [_POWERFACTOR] 0.958
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	1644.1 (1 lamp)
Total Lamp Lumens	1644.1
Luminaire Lumens	1644
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	44.71
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.37 m
Luminous Width (90-270)	0.04 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8677	9074	9186
55	8397	9005	9163
65	7972	8919	9243
75	7130	8881	9552
85	6104	11645	14135

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	199.92	12.20	12.20
0-30	425.01	25.90	25.90
0-40	697.46	42.40	42.40
0-60	1245.62	75.80	75.80
0-80	1586.18	96.50	96.50
0-90	1644.14	100.00	100.00
10-90	1592.47	96.90	96.90
20-40	497.54	30.30	30.30
20-50	782.82	47.60	47.60
40-70	756.79	46.00	46.00
60-80	340.56	20.70	20.70
70-80	131.93	8.00	8.00
80-90	57.95	3.50	3.50
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	1644.14	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.66
10-20	148.26
20-30	225.09
30-40	272.45
40-50	285.28
50-60	262.88
60-70	208.63
70-80	131.93
80-90	57.95
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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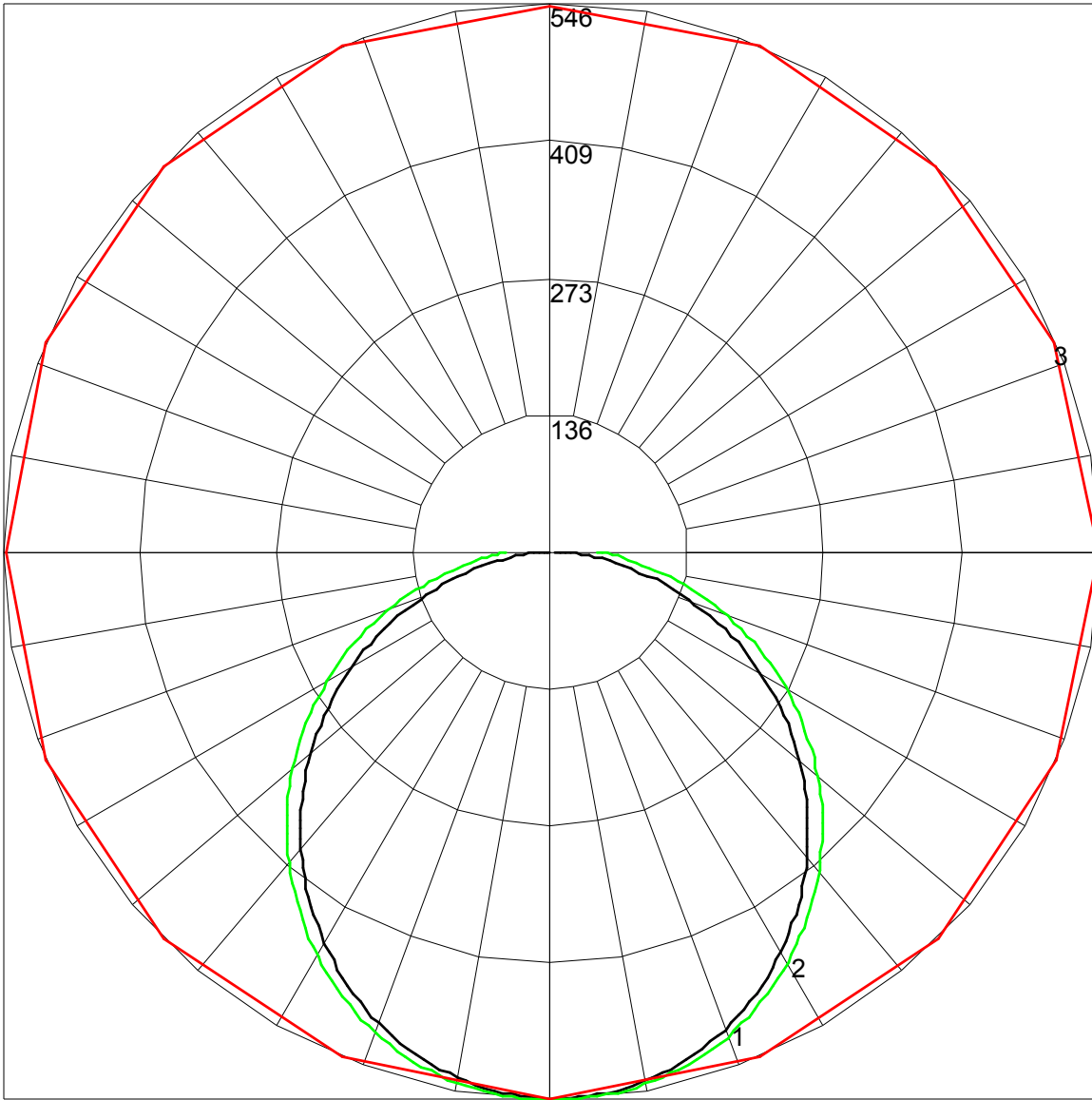
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 545.51 Located At Horizontal Angle = 270, Vertical Angle = 2

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)