

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LUM271810W3K0120D120D120VBD_4DOT5FT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 0001
[ISSUE DATE] 6/6/2017 15:54
[MANUFAC] Boca Flasher Inc.
[LUMCAT] LUMELINE
[LUMINAIRE] 10W, 120°X120°, DIFFUSED, BLACK ANODIZED, 120V, 4.5FT
[LAMP CAT] SOLID COLOR
[LAMP] WARM WHITE, 3000K
[_VOLTAGE] 120.5 V
[_CURRENT] 0.385 A
[_POWERFACTOR] 0.958
[TESTLAB] Boca Flasher Inc
[_TESTINST] LSG-1800B
[_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	2423.6 (1 lamp)
Total Lamp Lumens	2423.6
Luminaire Lumens	2424
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	44.52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
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	16221	13017	9053
55	14580	9729	4708
65	12669	6749	2614
75	10378	4476	1725
85	6355	2436	949

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Zone	Lumens	%Lamp	%Fixt
0-20	415.55	17.10	17.10
0-30	863.58	35.60	35.60
0-40	1358.8	56.10	56.10
0-60	2114.92	87.30	87.30
0-80	2401.59	99.10	99.10
0-90	2423.55	100.00	100.00
10-90	2314.9	95.50	95.50
20-40	943.24	38.90	38.90
20-50	1381.43	57.00	57.00
40-70	949.85	39.20	39.20
60-80	286.67	11.80	11.80
70-80	92.95	3.80	3.80
80-90	21.96	0.90	0.90
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	2423.55	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.65
10-20	306.90
20-30	448.03
30-40	495.21
40-50	438.19
50-60	317.93
60-70	193.73
70-80	92.95
80-90	21.96
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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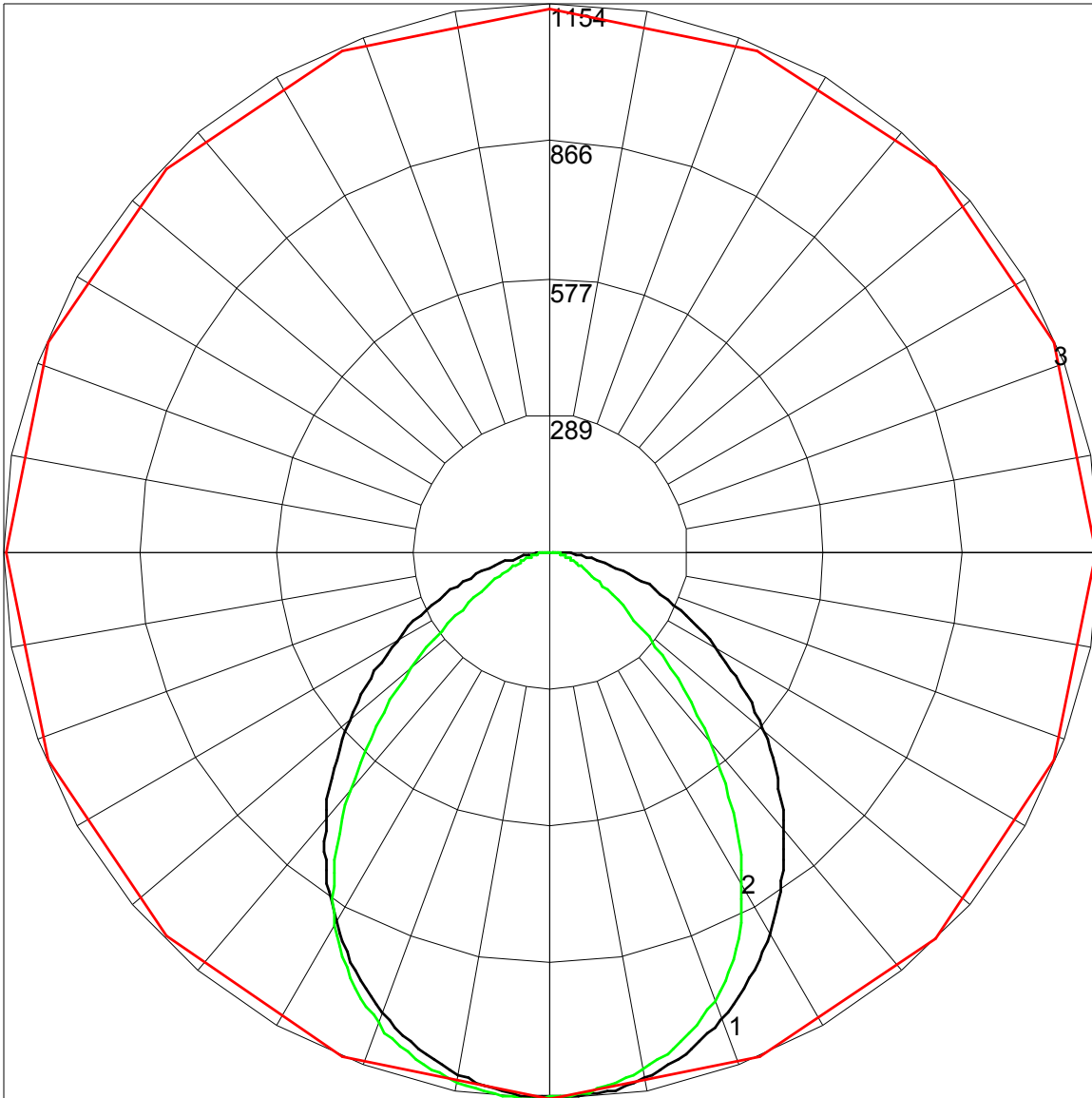
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	94	88	83	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75
3	94	84	77	71	71	91	83	76	70	80	74	69	77	72	68	75	71	67	65
4	86	76	68	62	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57
5	80	68	60	54	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50
6	74	62	54	48	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45
7	69	57	49	43	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40
8	65	52	44	39	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	45	37	32	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

POLAR GRAPH



Maximum Candela = 1154.24 Located At Horizontal Angle = 292.5, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)