

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT

PHOTOMETRIC FILENAME : NAN1806W3K0120D120D120VWC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 6/28/2017 17:13
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] NANOLUME
 [LUMINAIRE] 06W, 120°, CLEAR, WHITE, 120V, 1FT
 [LAMP CAT] SOLID COLOR
 [LAMP] WARM WHITE, 3000K
 [_VOLTAGE] 120.6 V
 [_CURRENT] 0.050 A
 [_POWERFACTOR] 0.980
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	495 (1 lamp)
Total Lamp Lumens	495
Luminaire Lumens	495
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	6.01
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 m
Luminous Width (90-270)	0.01 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	43935	43263	42528
55	42217	41201	14909
65	38336	14208	4093
75	27369	5318	6575
85	10663	8890	8810

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	70.05	14.20	14.20
0-30	149.73	30.20	30.20
0-40	246.90	49.90	49.90
0-60	431.03	87.10	87.10
0-80	491.36	99.30	99.30
0-90	495.03	100.00	100.00
10-90	476.98	96.40	96.40
20-40	176.85	35.70	35.70
20-50	278.11	56.20	56.20
40-70	228.63	46.20	46.20
60-80	60.33	12.20	12.20
70-80	15.82	3.20	3.20
80-90	3.67	0.70	0.70
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	495.03	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	18.05
10-20	52.00
20-30	79.67
30-40	97.18
40-50	101.26
50-60	82.87
60-70	44.50
70-80	15.82
80-90	3.67
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

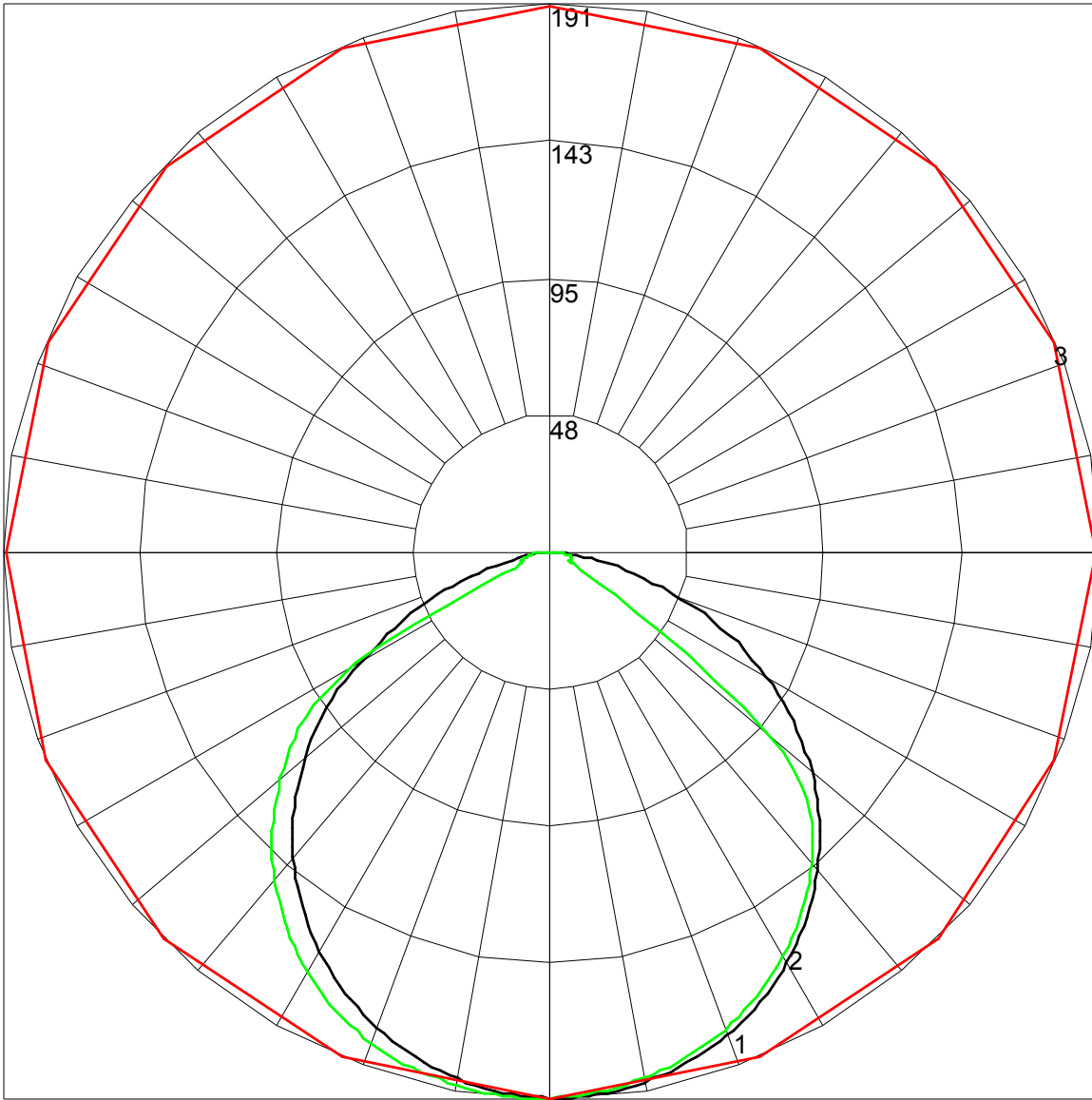
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	89	87
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	57	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 190.97 Located At Horizontal Angle = 270, 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.)