

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NAN1806W3K5120D120D120VWC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 6/29/2017 09:56
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] NANOLUME
 [LUMINAIRE] 06W, 120°, CLEAR, WHITE, 120V, 1FT
 [LAMP CAT] SOLID COLOR
 [LAMP] WARM WHITE, 3500K
 [VOLTAGE] 120.1 V
 [CURRENT] 0.051 A
 [POWERFACTOR] 0.981
 [TESTLAB] Boca Flasher Inc
 [TESTINST] LSG-1800B
 [TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	463.6 (1 lamp)
Total Lamp Lumens	463.6
Luminaire Lumens	464
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	6.04
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	41250	40356	38906
55	39768	38103	9481
65	35583	9234	3744
75	24592	4848	5807
85	9884	7628	5479

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	65.46	14.10	14.10
0-30	140.00	30.20	30.20
0-40	231.07	49.80	49.80
0-60	402.33	86.80	86.80
0-80	460.01	99.20	99.20
0-90	463.61	100.00	100.00
10-90	446.74	96.40	96.40
20-40	165.61	35.70	35.70
20-50	260.48	56.20	56.20
40-70	213.98	46.20	46.20
60-80	57.68	12.40	12.40
70-80	14.95	3.20	3.20
80-90	3.60	0.80	0.80
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	463.61	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16.86
10-20	48.60
20-30	74.54
30-40	91.07
40-50	94.87
50-60	76.39
60-70	42.72
70-80	14.95
80-90	3.60
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

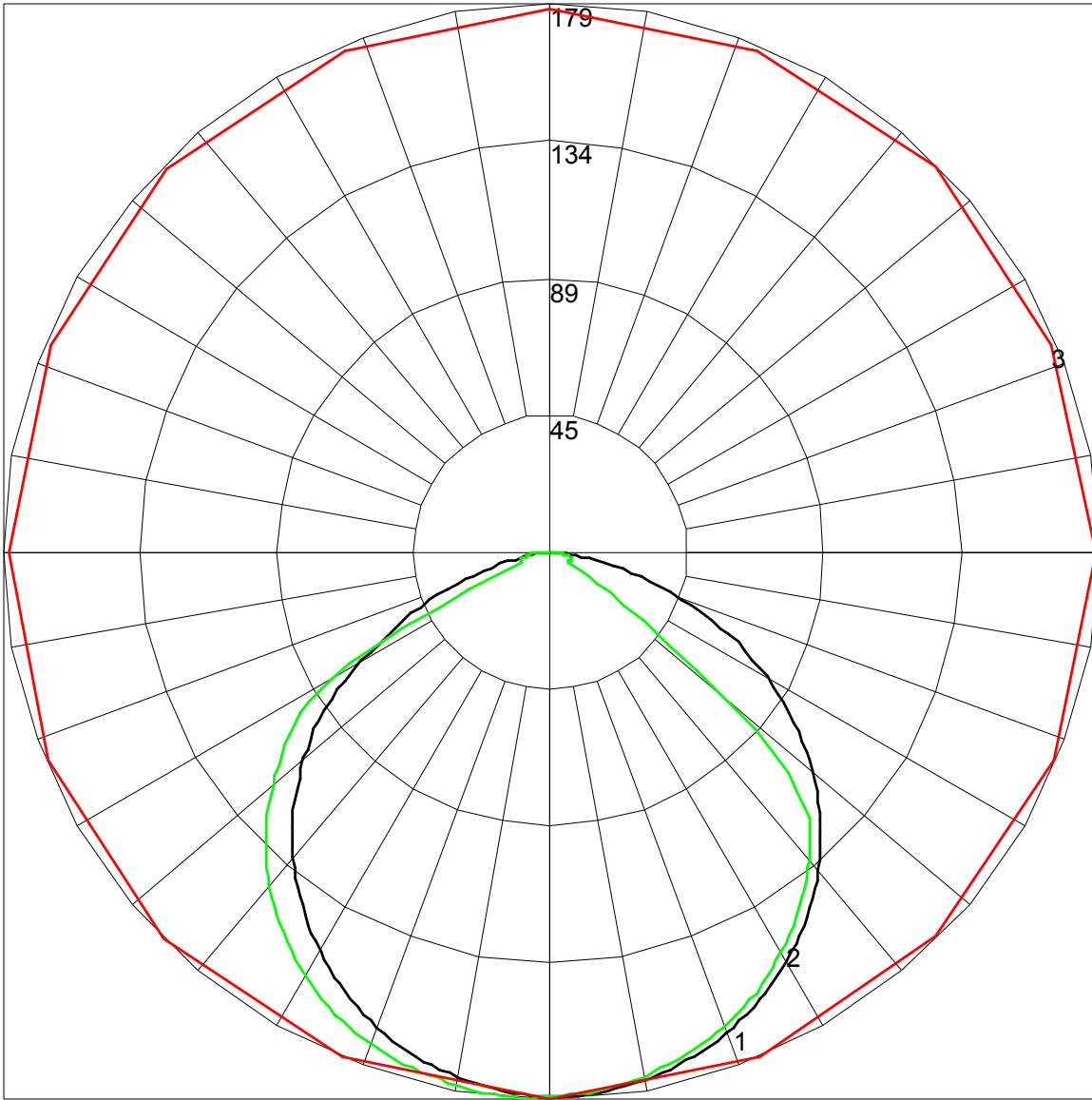
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	88	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	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	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	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	35	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	38	33	28	27

POLAR GRAPH



Maximum Candela = 178.73 Located At Horizontal Angle = 292.5, Vertical Angle = 4

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)