

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NAN1806W5K0120D120D120VWC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 6/29/2017 10:29
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] NANOLUME
 [LUMINAIRE] 06W, 120°, CLEAR, WHITE, 120V, 1FT
 [LAMP CAT] SOLID COLOR
 [LAMP] COOL WHITE, 5000K
 [_VOLTAGE] 120.2 V
 [_CURRENT] 0.051 A
 [_POWERFACTOR] 0.982
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	538.1 (1 lamp)
Total Lamp Lumens	538.1
Luminaire Lumens	538
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	6.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
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	47348	48391	48708
55	45947	47220	46837
65	41759	42862	8464
75	30073	5734	7127
85	12060	11576	13054

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	74.23	13.80	13.80
0-30	159.01	29.60	29.60
0-40	262.92	48.90	48.90
0-60	467.66	86.90	86.90
0-80	534.36	99.30	99.30
0-90	538.09	100.00	100.00
10-90	518.99	96.40	96.50
20-40	188.69	35.10	35.10
20-50	297.73	55.30	55.30
40-70	254.68	47.30	47.30
60-80	66.70	12.40	12.40
70-80	16.76	3.10	3.10
80-90	3.72	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	538.09	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	19.09
10-20	55.14
20-30	84.78
30-40	103.91
40-50	109.04
50-60	95.70
60-70	49.93
70-80	16.76
80-90	3.72
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

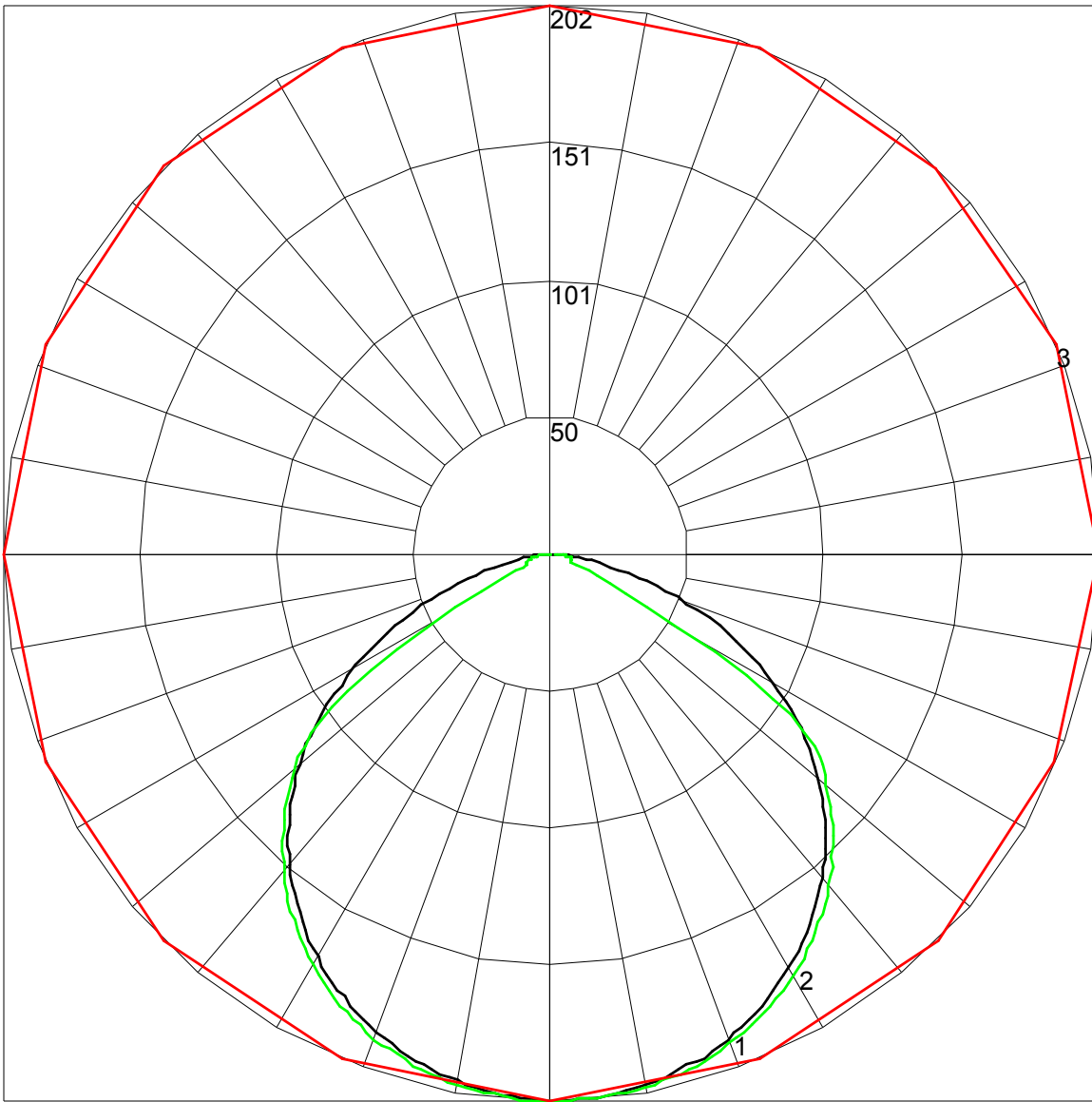
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC 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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	74
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 201.67 Located At Horizontal Angle = 180, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)