

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NAN1806W3K5120D120D120VVD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 6/29/2017 15:06
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] NANOLUME
 [LUMINAIRE] 06W, 120°, DIFFUSED, WHITE, 120V, 1FT
 [LAMP CAT] SOLID COLOR
 [LAMP] WARM WHITE, 3500K
 [_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	381.5 (1 lamp)
Total Lamp Lumens	381.5
Luminaire Lumens	381
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	6.05
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 m
Luminous Width (90-270)	0.02 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24372	23234	18532
55	22552	18067	5580
65	19422	6045	4979
75	14954	5508	5590
85	9419	6280	4644

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	58.06	15.20	15.20
0-30	123.21	32.30	32.30
0-40	200.90	52.70	52.70
0-60	332.84	87.20	87.20
0-80	377.65	99.00	99.00
0-90	381.49	100.00	100.00
10-90	366.47	96.10	96.10
20-40	142.84	37.40	37.40
20-50	218.93	57.40	57.40
40-70	162.54	42.60	42.60
60-80	44.81	11.70	11.70
70-80	14.21	3.70	3.70
80-90	3.84	1.00	1.00
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	381.49	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	15.02
10-20	43.04
20-30	65.14
30-40	77.70
40-50	76.09
50-60	55.84
60-70	30.60
70-80	14.21
80-90	3.84
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

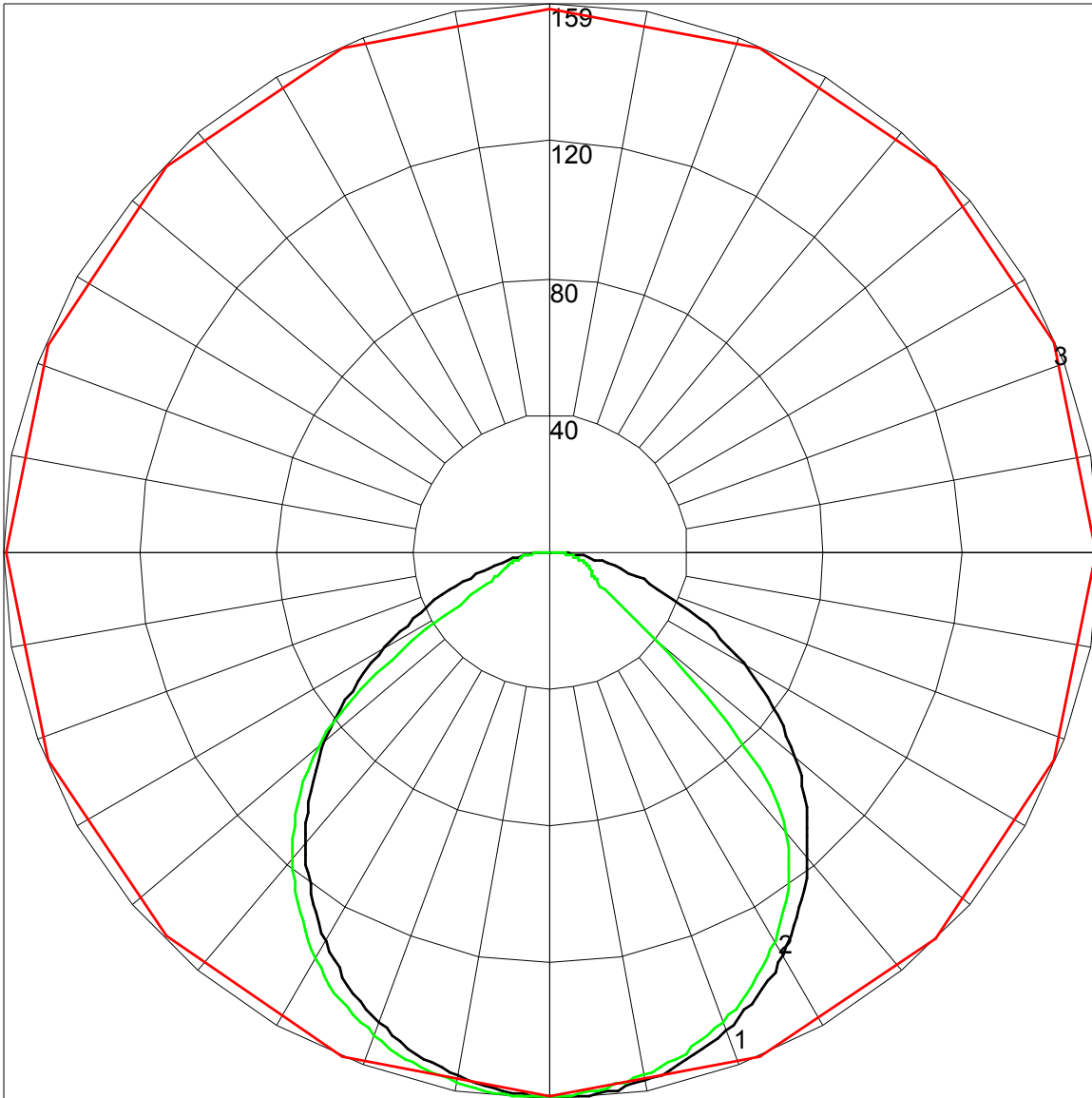
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
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	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74	
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64	
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	58	55	
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49	
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43	
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38	
8	63	51	42	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34	
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31	
10	56	43	35	30	54	42	35	30	41	35	30	41	34	30	40	34	30	28	

POLAR GRAPH



Maximum Candela = 159.39 Located At Horizontal Angle = 247.5, 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.)