

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NAN03W3K0120D120D120VCLRANOEXTCLRLEN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 201702021020
 [ISSUE DATE] 2/2/2017 10:20
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] Nanolume
 [LUMINAIRE] Nanolume - EXT
 [LAMPCAT] Nanolume-3W-3000K-120°-120V-A-S-EXT-C
 [LAMP] 3W, 3K, 120DEG, Clear Lens
 [_VOLTAGE] 120.1 V
 [_CURRENT] 0.025 A
 [_POWERFACTOR] 0.987
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	304.1 (1 lamp)
Total Lamp Lumens	304.1
Luminaire Lumens	304
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	3.02
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
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	26907	27445	27966
55	25110	25706	26448
65	21974	21707	20681
75	14211	10412	1880
85	14106	10500	2054

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	23.30	7.70	7.70
0-30	86.86	28.60	28.60
0-40	86.86	28.60	28.60
0-60	253.68	83.40	83.40
0-80	296.83	97.60	97.60
0-90	304.07	100.00	100.00
10-90	304.07	100.00	100.00
20-40	63.56	20.90	20.90
20-50	149.40	49.10	49.10
40-70	166.82	54.90	54.90
60-80	43.15	14.20	14.20
70-80	43.15	14.20	14.20
80-90	7.24	2.40	2.40
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	304.07	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	23.30
20-30	63.56
30-40	0.00
40-50	85.84
50-60	80.98
60-70	0.00
70-80	43.15
80-90	7.24
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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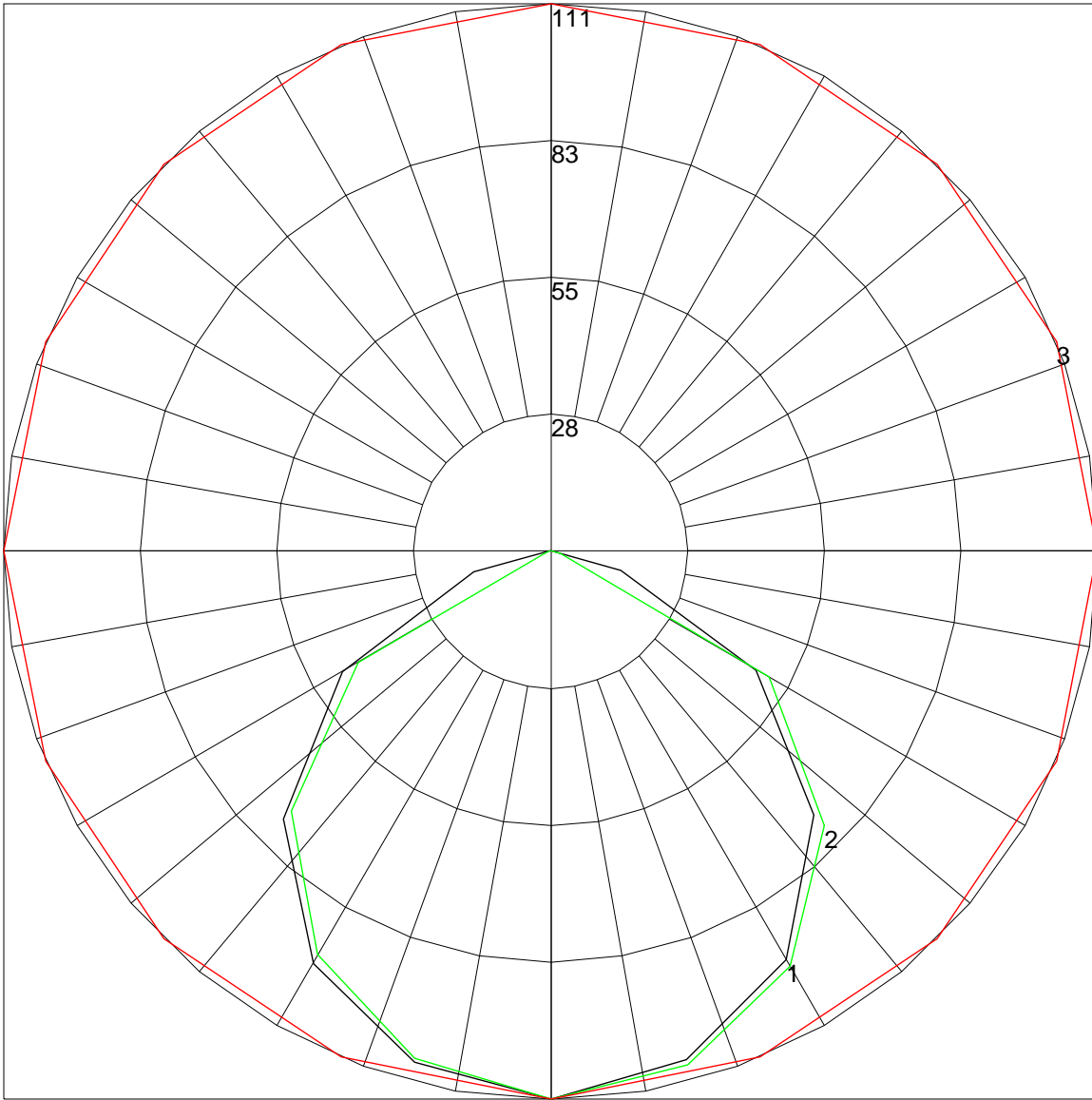
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	59	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31	29
8	57	43	34	28	56	42	34	28	41	33	27	40	32	27	38	32	27	25
9	53	39	30	25	52	38	30	24	37	30	24	36	29	24	35	29	24	22
10	50	36	27	22	48	35	27	22	34	27	22	33	26	22	32	26	21	20

POLAR GRAPH



Maximum Candela = 110.77 Located At Horizontal Angle = 0, Vertical Angle = 0

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