

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT

PHOTOMETRIC FILENAME : NLS12163K5120D120DC120VAK.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 24
[ISSUE DATE] 5/2/2017 13:51
[MANUFAC] Boca Flasher Inc.
[LUMCAT] HPNLS-HO
[LUMINAIRE] HPNLS-HO, 15W, 3K5, 120° X 120°, 120V, CLEAR ANODIZED, CLEAR LENS, SQUARE BAFFLE
[LAMPCAT] HPNLS-HO
[LAMP]
[_VOLTAGE] 121.0 V
[_CURRENT] 0.124 A
[_POWERFACTOR] 0.984
[TESTLAB] Boca Flasher Inc
[_TESTINST] LSG-1800B
[_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	317.1 (1 lamp)
Total Lamp Lumens	317.1
Luminaire Lumens	317
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	21
Total Luminaire Watts	14.78
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 m
Luminous Width (90-270)	0.04 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17804	3292	6111
55	1199	2227	1013
65	660	267	492
75	135	59	130
85	44	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	140.89	44.40	44.40
0-30	208.40	65.70	65.70
0-40	246.49	77.70	77.70
0-60	314.95	99.30	99.30
0-80	317.07	100.00	100.00
0-90	317.08	100.00	100.00
10-90	278.18	87.70	87.70
20-40	105.60	33.30	33.30
20-50	166.15	52.40	52.40
40-70	70.29	22.20	22.20
60-80	2.12	0.70	0.70
70-80	0.28	0.10	0.10
80-90	0.02	0.00	0.00
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	317.08	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.90
10-20	101.99
20-30	67.51
30-40	38.09
40-50	60.55
50-60	7.91
60-70	1.83
70-80	0.28
80-90	0.02
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

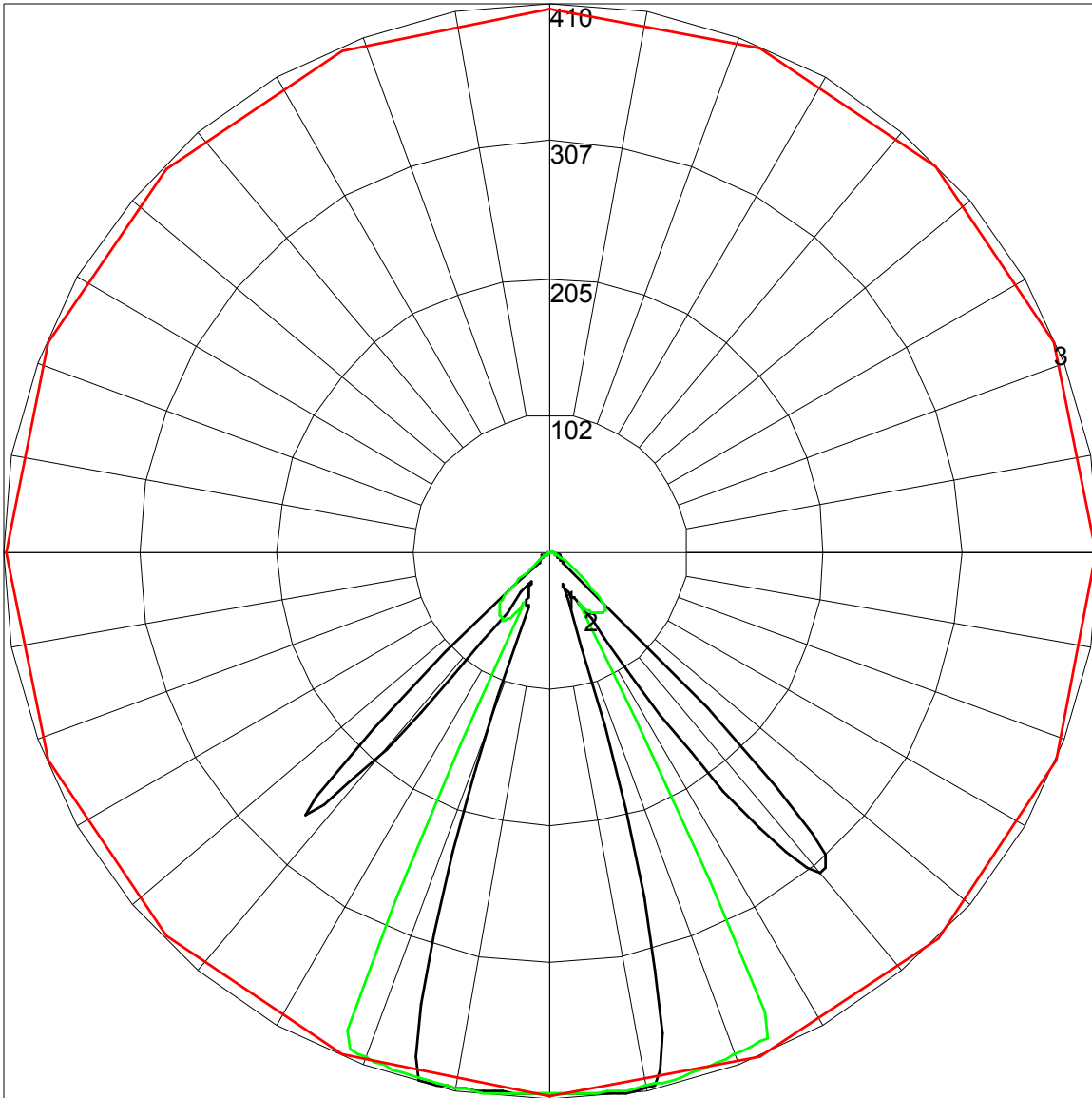
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93	
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	90	88	86	
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	83	81	79	
4	96	88	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	74	
5	91	83	77	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68	
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64	
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	60	
8	78	68	62	58	77	68	62	58	67	62	58	66	61	58	65	60	57	56	
9	75	65	59	55	73	64	58	55	63	58	54	62	58	54	62	57	54	53	
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50	

POLAR GRAPH



Maximum Candela = 409.93 Located At Horizontal Angle = 337.5, Vertical Angle = 6

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)