

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K5010D010DD120VAN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 25
 [ISSUE DATE] 5/2/2017 12:02
 [MANUFAC] Boca Flasher Inc.
 [LUMCAT] HPNLS-HO
 [LUMINAIRE] HPNLS-HO, 15W, 3K5, 10° X 10°, 120V, CLEAR ANODIZED, DIFFUSED LENS
 [LAMP CAT] HPNLS-HO
 [LAMP]
 [_VOLTAGE] 120.5 V
 [_CURRENT] 0.128 A
 [_POWERFACTOR] 0.980
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	1144.1 (1 lamp)
Total Lamp Lumens	1144.1
Luminaire Lumens	1144
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	15.22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.40
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	6551	6082	5380
55	5238	4534	3871
65	4651	4231	3926
75	4450	4494	3422
85	4014	4591	3008

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	801.44	70.00	70.10
0-30	964.48	84.30	84.30
0-40	1032.35	90.20	90.20
0-60	1103.17	96.40	96.40
0-80	1140.28	99.70	99.70
0-90	1144.06	100.00	100.00
10-90	763.22	66.70	66.70
20-40	230.91	20.20	20.20
20-50	272.02	23.80	23.80
40-70	93.95	8.20	8.20
60-80	37.11	3.20	3.20
70-80	13.98	1.20	1.20
80-90	3.78	0.30	0.30
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	1144.06	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	380.84
10-20	420.59
20-30	163.05
30-40	67.87
40-50	41.11
50-60	29.71
60-70	23.14
70-80	13.98
80-90	3.78
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

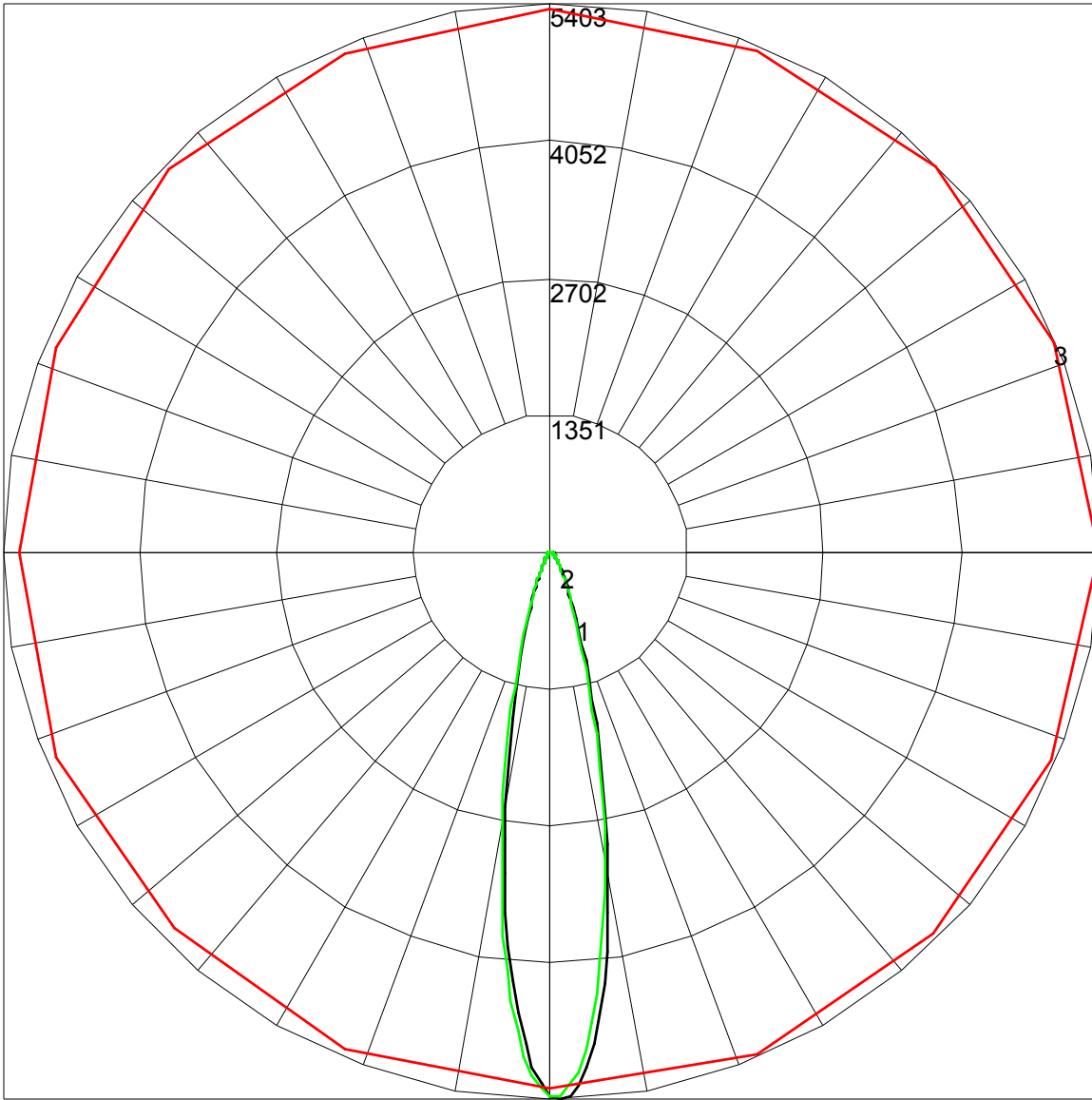
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	85	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	82	79	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73
8	88	81	76	73	87	80	76	73	79	75	73	79	75	72	78	74	72	71
9	86	78	74	71	85	78	73	70	77	73	70	76	73	70	76	72	70	69
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67

POLAR GRAPH



Maximum Candela = 5403.04 Located At Horizontal Angle = 0, 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.)