

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12162K7010D010DC120VAN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 27
 [ISSUE DATE] 5/2/2017 15:01
 [MANUFAC] Boca Flasher Inc.
 [LUMCAT] HPNLS-HO
 [LUMINAIRE] HPNLS-HO, 15W, 2K7, 10° X 10°, 120V, CLEAR ANODIZED, CLEAR LENS
 [LAMP CAT] HPNLS-HO
 [LAMP]
 [_VOLTAGE] 120.9 V
 [_CURRENT] 0.128 A
 [_POWERFACTOR] 0.980
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	1176.5 (1 lamp)
Total Lamp Lumens	1176.5
Luminaire Lumens	1176
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	15.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.30
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.24
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	2329	2328	1977
55	2959	2610	2611
65	2599	1654	1062
75	1349	0	0
85	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1089.75	92.60	92.60
0-30	1115.76	94.80	94.80
0-40	1131.74	96.20	96.20
0-60	1165.75	99.10	99.10
0-80	1176.46	100.00	100.00
0-90	1176.47	100.00	100.00
10-90	332.20	28.20	28.20
20-40	41.99	3.60	3.60
20-50	58.75	5.00	5.00
40-70	43.15	3.70	3.70
60-80	10.72	0.90	0.90
70-80	1.58	0.10	0.10
80-90	0.01	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	1176.47	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	844.27
10-20	245.47
20-30	26.02
30-40	15.98
40-50	16.76
50-60	17.25
60-70	9.14
70-80	1.58
80-90	0.01
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

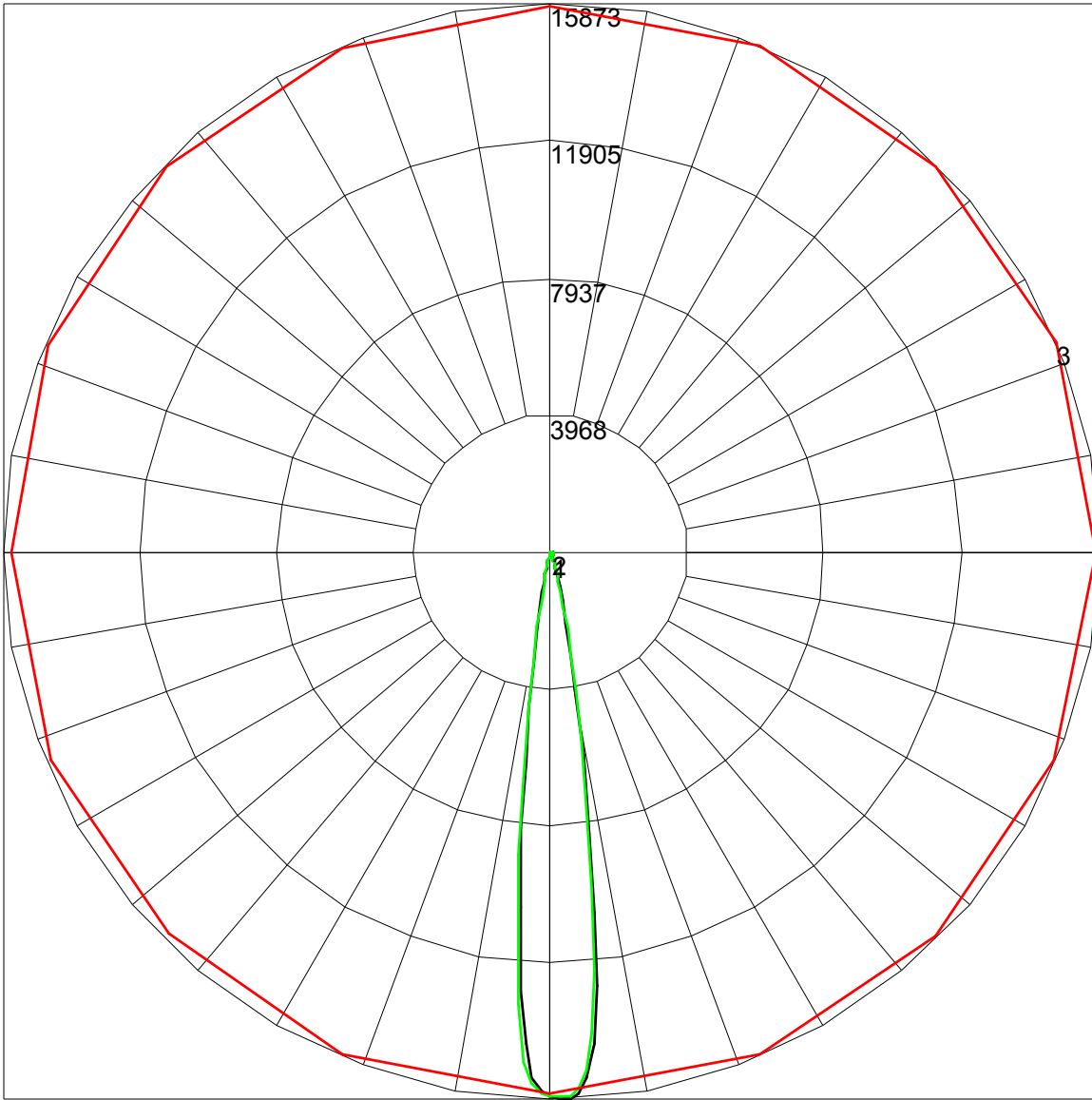
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96
3	110	106	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95
4	108	104	101	98	107	103	100	98	101	98	96	99	97	95	97	96	94	93
5	106	101	98	96	105	101	98	95	99	96	95	98	95	94	96	95	93	92
6	104	99	96	94	103	99	96	94	97	95	93	96	94	92	95	93	92	91
7	102	98	94	92	101	97	94	92	96	93	92	95	93	91	94	92	91	90
8	101	96	93	91	100	96	93	91	95	92	90	94	92	90	93	91	90	89
9	100	95	92	90	99	94	92	90	94	91	89	93	91	89	92	90	89	88
10	98	94	91	89	98	93	91	89	93	90	89	92	90	88	92	90	88	87

POLAR GRAPH



Maximum Candela = 15873.14 Located At Horizontal Angle = 22.5, 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.)