

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K5030D030DC120VAK.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 21
 [ISSUE DATE] 5/1/2017 16:44
 [MANUFAC] Boca Flasher Inc.
 [LUMCAT] HPNLS-HO
 [LUMINAIRE] HPNLS-HO, 15W, 3K5, 30° X 30°, 120V, CLEAR ANODIZED, CLEAR LENS, SQUARE BAFFLE
 [LAMPCAT] HPNLS-HO
 [LAMP]
 [_VOLTAGE] 121.0 V
 [_CURRENT] 0.126 A
 [_POWERFACTOR] 0.981
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	913.8 (1 lamp)
Total Lamp Lumens	913.8
Luminaire Lumens	914
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	15.07
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.56
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	3824	787	1525
55	415	260	347
65	153	13	106
75	0	0	0
85	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	621.43	68.00	68.00
0-30	844.24	92.40	92.40
0-40	899.00	98.40	98.40
0-60	913.55	100.00	100.00
0-80	913.85	100.00	100.00
0-90	913.85	100.00	100.00
10-90	694.27	76.00	76.00
20-40	277.57	30.40	30.40
20-50	289.87	31.70	31.70
40-70	14.84	1.60	1.60
60-80	0.30	0.00	0.00
70-80	0.01	0.00	0.00
80-90	0.00	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	913.85	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	219.58
10-20	401.85
20-30	222.81
30-40	54.77
40-50	12.30
50-60	2.25
60-70	0.29
70-80	0.01
80-90	0.00
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

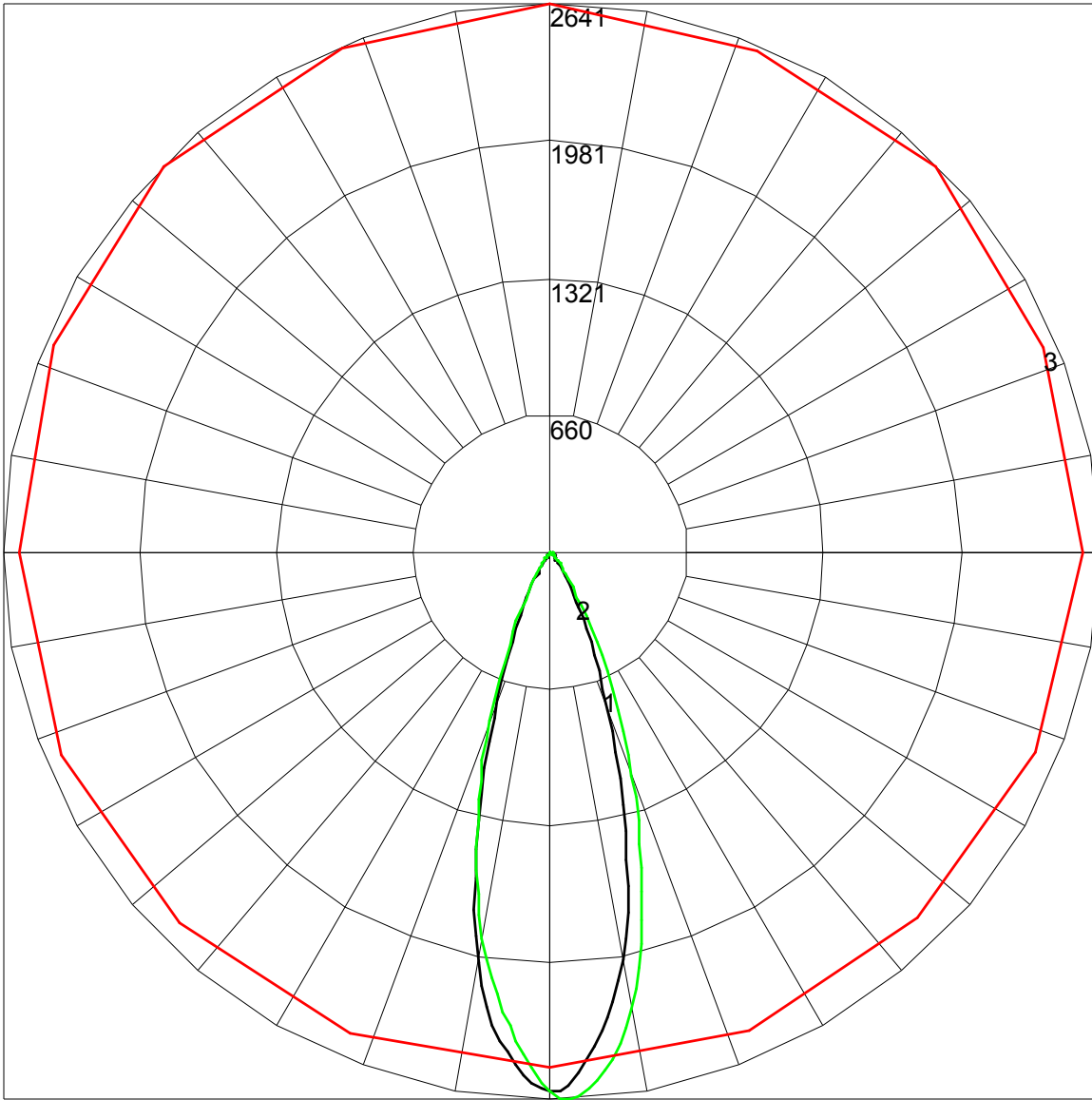
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69	
10	83	76	71	68	83	75	71	68	75	71	68	74	70	68	73	70	68	67	

POLAR GRAPH



Maximum Candela = 2641.29 Located At Horizontal Angle = 90, 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.)