

LED Lighting Systems, Technologies & Manufacturing 

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NLS12163K5030D030DC120VAL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 9  
 [ISSUE DATE] 4/28/2017 14:36  
 [MANUFAC] Boca Flasher Inc  
 [LUMCAT] HPNLS-HO  
 [LUMINAIRE] HPNLS-HO, 15W, 3K5, 30° X 30°, 120V, CLEAR ANODIZED, CLEAR LENS, KICKER SQUARE BAFFLE  
 [LAMP CAT] HPNLS-HO  
 [LAMP]  
 [\_VOLTAGE] 120.7 V  
 [\_CURRENT] 0.127 A  
 [\_POWERFACTOR] 0.981  
 [TESTLAB] Boca Flasher Inc  
 [\_TESTINST] LSG-1800B  
 [\_TESTDIST] 9.506 m

**CHARACTERISTICS**

Lumens Per Lamp	795.6 (1 lamp)
Total Lamp Lumens	795.6
Luminaire Lumens	796
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	15.08
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.52
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	4360	815	1781
55	405	347	1120
65	130	177	3769
75	0	459	6673
85	0	175	7765

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	575.20	72.30	72.30
0-30	739.72	93.00	93.00
0-40	778.40	97.80	97.80
0-60	789.74	99.30	99.30
0-80	794.57	99.90	99.90
0-90	795.60	100.00	100.00
10-90	578.38	72.70	72.70
20-40	203.20	25.50	25.50
20-50	212.26	26.70	26.70
40-70	13.68	1.70	1.70
60-80	4.83	0.60	0.60
70-80	2.49	0.30	0.30
80-90	1.03	0.10	0.10
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	795.60	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	217.22
10-20	357.98
20-30	164.52
30-40	38.68
40-50	9.06
50-60	2.28
60-70	2.34
70-80	2.49
80-90	1.03
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

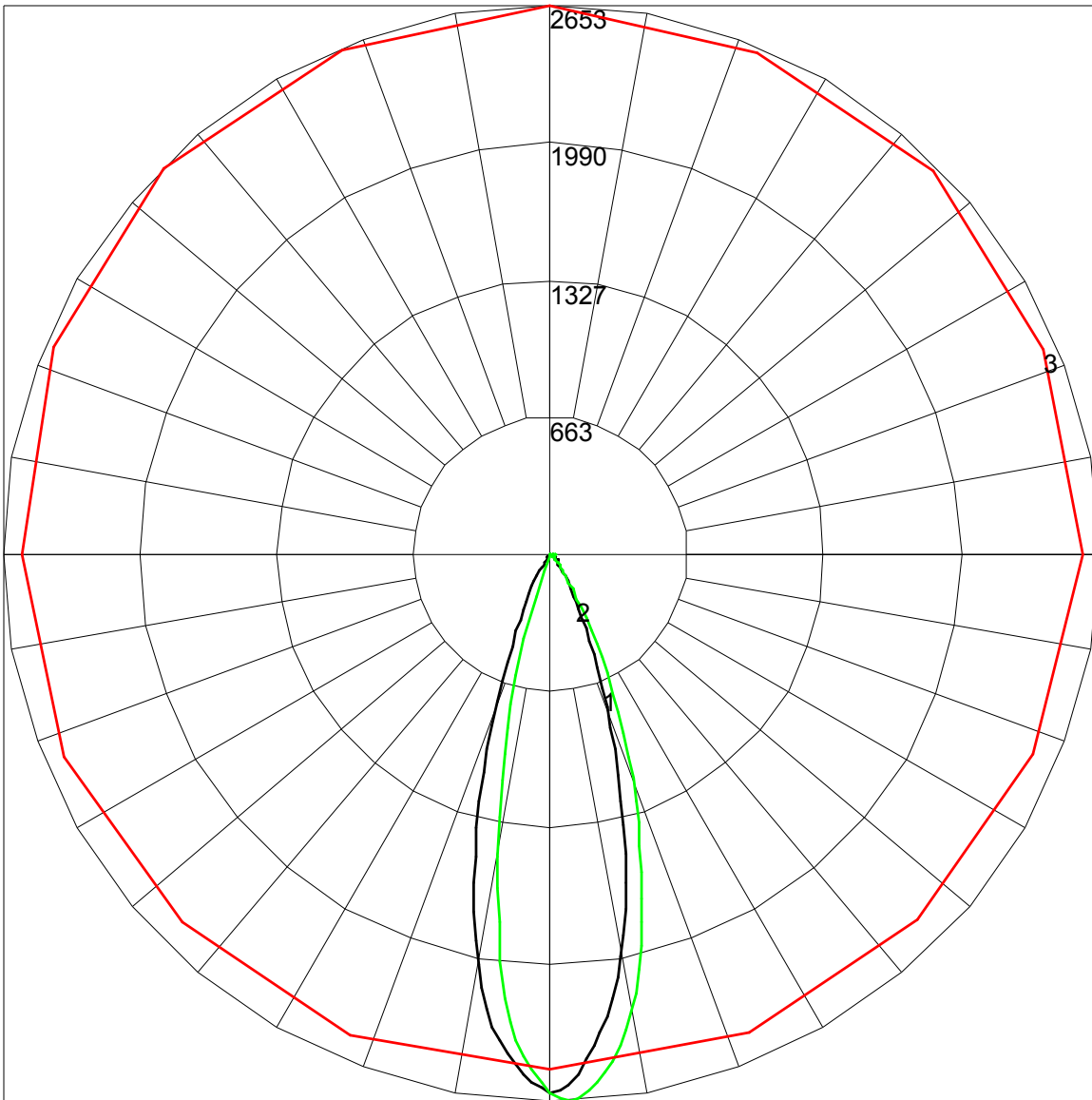
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	0
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	0
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92	0
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	90	88	0
4	103	97	93	89	101	96	92	89	94	91	88	92	89	87	90	88	86	85	0
5	99	93	89	85	98	92	88	85	90	87	84	89	86	83	88	85	83	82	0
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79	0
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76	0
8	90	83	78	75	89	82	78	75	81	78	75	81	77	75	80	77	74	73	0
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71	0
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69	0

POLAR GRAPH



Maximum Candela = 2653.17 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.)