

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K5030D030DC120VAH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 15
 [ISSUE DATE] 5/1/2017 14:54
 [MANUFAC] Boca Flasher Inc.
 [LUMCAT] HPNLS-HO
 [LUMINAIRE] HPNLS-HO, 15W, 3K5, 30° X 30°, 120V, CLEAR ANODIZED, CLEAR LENS, SLANTED SQUARE BAFFLE
 [LAMPCAT] HPNLS-HO
 [LAMP]
 [_VOLTAGE] 120.1 V
 [_CURRENT] 0.127 A
 [_POWERFACTOR] 0.981
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	995.7 (1 lamp)
Total Lamp Lumens	995.7
Luminaire Lumens	996
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	14.98
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.58
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	3577	3361	6531
55	2452	1144	1725
65	234	471	835
75	38	21	21
85	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	633.20	63.60	63.60
0-30	882.65	88.60	88.60
0-40	964.29	96.80	96.80
0-60	993.63	99.80	99.80
0-80	995.69	100.00	100.00
0-90	995.69	100.00	100.00
10-90	775.00	77.80	77.80
20-40	331.08	33.30	33.30
20-50	353.03	35.50	35.50
40-70	31.31	3.10	3.10
60-80	2.06	0.20	0.20
70-80	0.10	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	995.69	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	220.69
10-20	412.52
20-30	249.45
30-40	81.64
40-50	21.95
50-60	7.40
60-70	1.96
70-80	0.10
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

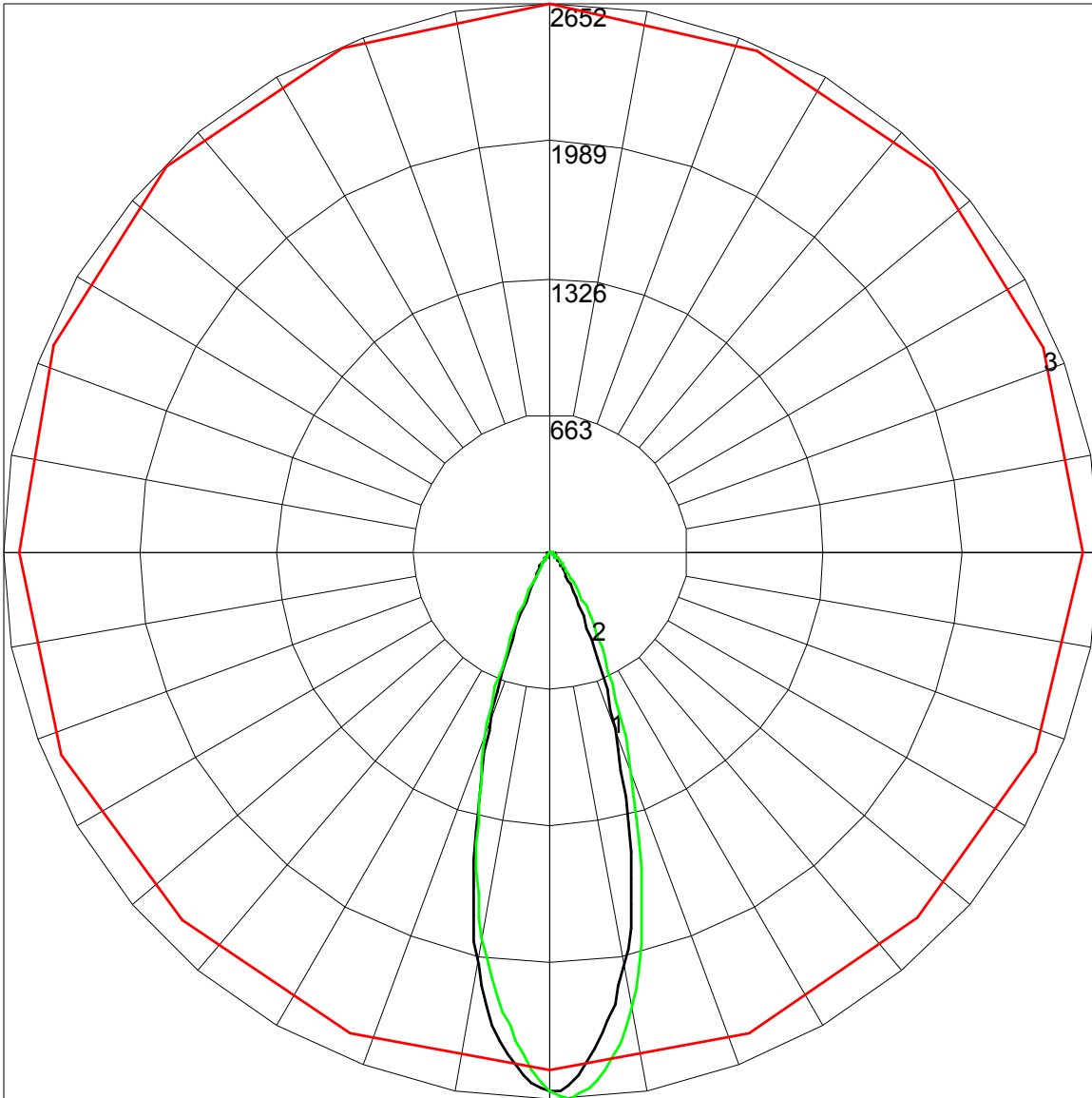
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87	
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	
5	98	91	86	83	96	90	86	82	88	84	81	87	83	81	85	82	80	79	
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75	
7	91	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	73	72	
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69	
9	84	77	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67	
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64	

POLAR GRAPH



Maximum Candela = 2651.62 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.)