

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K5010D010DC120VAL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 19
 [ISSUE DATE] 5/2/2017 07:58
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] HPNLS-HO
 [LUMINAIRE] HPNLS-HO, 15W, 3K5, 10° X 10°, 120V, CLEAR ANODIZED, CLEAR LENS, KICKER SQUARE BAFFLE
 [LAMPCAT] HPNLS-HO
 [LAMP]
 [_VOLTAGE] 120.7 V
 [_CURRENT] 0.127 A
 [_POWERFACTOR] 0.980
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	1090.3 (1 lamp)
Total Lamp Lumens	1090.3
Luminaire Lumens	1090
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	15.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.30
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	495	70	776
55	0	0	2523
65	0	0	3897
75	0	0	191
85	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1068.67	98.00	98.00
0-30	1083.32	99.40	99.40
0-40	1086.56	99.70	99.70
0-60	1088.85	99.90	99.90
0-80	1090.27	100.00	100.00
0-90	1090.27	100.00	100.00
10-90	259.57	23.80	23.80
20-40	17.89	1.60	1.60
20-50	19.10	1.80	1.80
40-70	3.55	0.30	0.30
60-80	1.43	0.10	0.10
70-80	0.17	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	1090.27	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	830.70
10-20	237.96
20-30	14.66
30-40	3.23
40-50	1.20
50-60	1.09
60-70	1.25
70-80	0.17
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

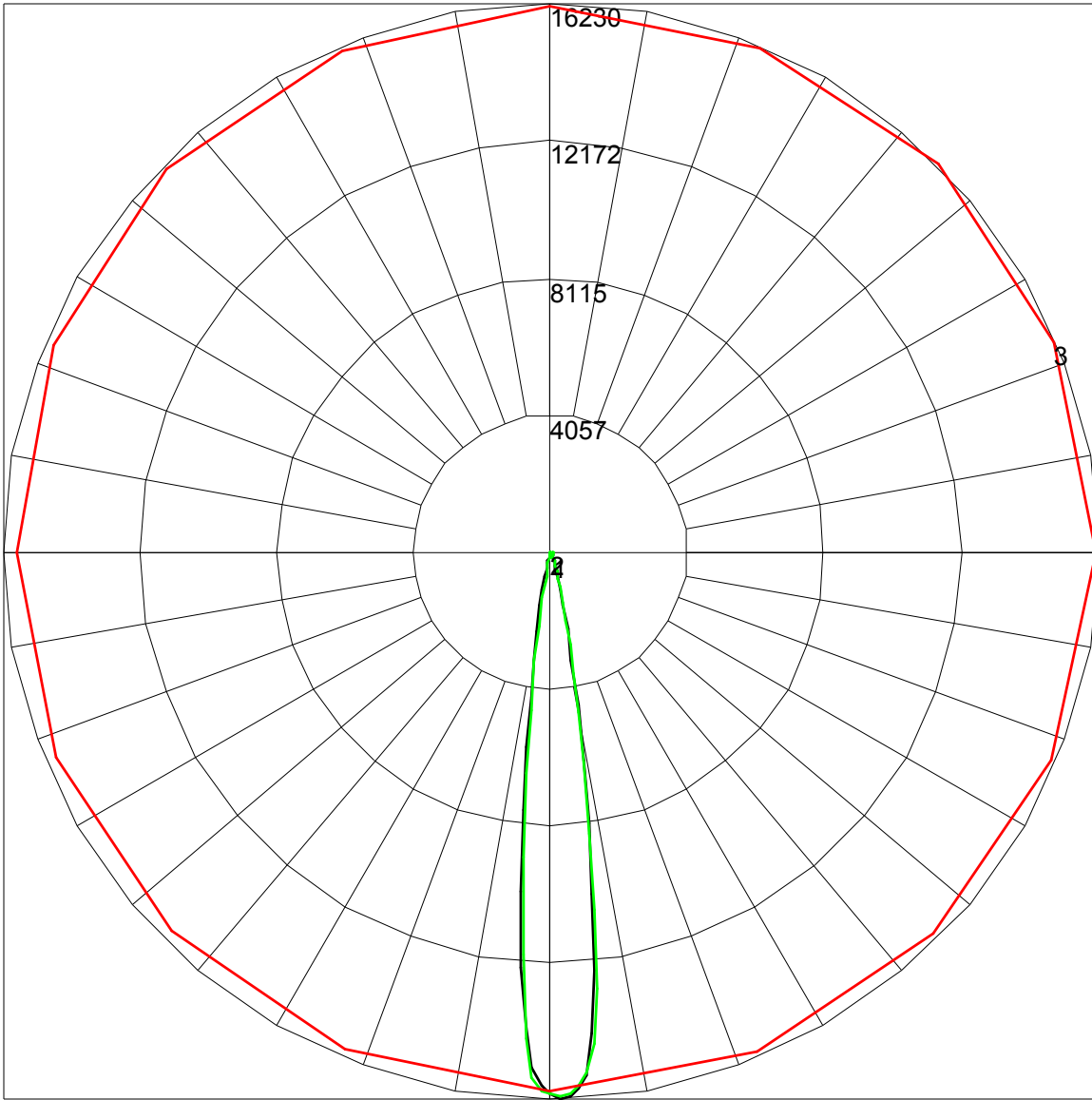
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC 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	116	115	113	112	114	112	111	110	108	108	107	105	104	103	102	101	101	99
2	114	111	109	107	112	109	107	106	106	105	103	104	102	101	101	100	99	98
3	111	108	105	103	110	107	104	103	104	103	101	102	101	100	100	99	98	97
4	110	106	103	101	108	105	102	100	103	101	99	101	99	98	100	98	97	96
5	108	104	101	99	107	103	100	98	101	99	98	100	98	97	99	97	96	95
6	106	102	99	97	105	101	99	97	100	98	96	99	97	96	98	96	95	94
7	105	101	98	96	104	100	98	96	99	97	95	98	96	95	97	96	94	94
8	104	99	97	95	103	99	96	95	98	96	94	97	95	94	97	95	94	93
9	102	98	96	94	102	98	95	94	97	95	93	97	95	93	96	94	93	92
10	101	97	95	93	101	97	94	93	96	94	93	96	94	92	95	93	92	92

POLAR GRAPH



Maximum Candela = 16229.79 Located At Horizontal Angle = 45, 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.)