

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K5010D060DC120VAN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 6/28/2017 11:12
 [MANUFAC] Boca Flasher Inc.
 [LUMCAT] HPNLS-HO
 [LUMINAIRE] 16W, 10°X 60°, CLEAR, CLEAR ANODIZED, 120V, 1FT
 [LAMP CAT] SOLID COLOR
 [LAMP] WARM WHITE, 3500K
 [_VOLTAGE] 120.5 V
 [_CURRENT] 0.126 A
 [_POWERFACTOR] 0.981
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	1036.3 (1 lamp)
Total Lamp Lumens	1036.3
Luminaire Lumens	1036
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.36
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	23212	4296	4251
55	6197	3407	3149
65	6729	2714	1764
75	7129	1461	636
85	857	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	576.38	55.60	55.60
0-30	818.39	79.00	79.00
0-40	942.46	90.90	90.90
0-60	1013.69	97.80	97.80
0-80	1035.89	100.00	100.00
0-90	1036.31	100.00	100.00
10-90	799.36	77.10	77.10
20-40	366.09	35.30	35.30
20-50	412.97	39.90	39.80
40-70	86.92	8.40	8.40
60-80	22.20	2.10	2.10
70-80	6.51	0.60	0.60
80-90	0.43	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	1036.31	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.95
10-20	339.42
20-30	242.01
30-40	124.07
40-50	46.88
50-60	24.34
60-70	15.69
70-80	6.51
80-90	0.43
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

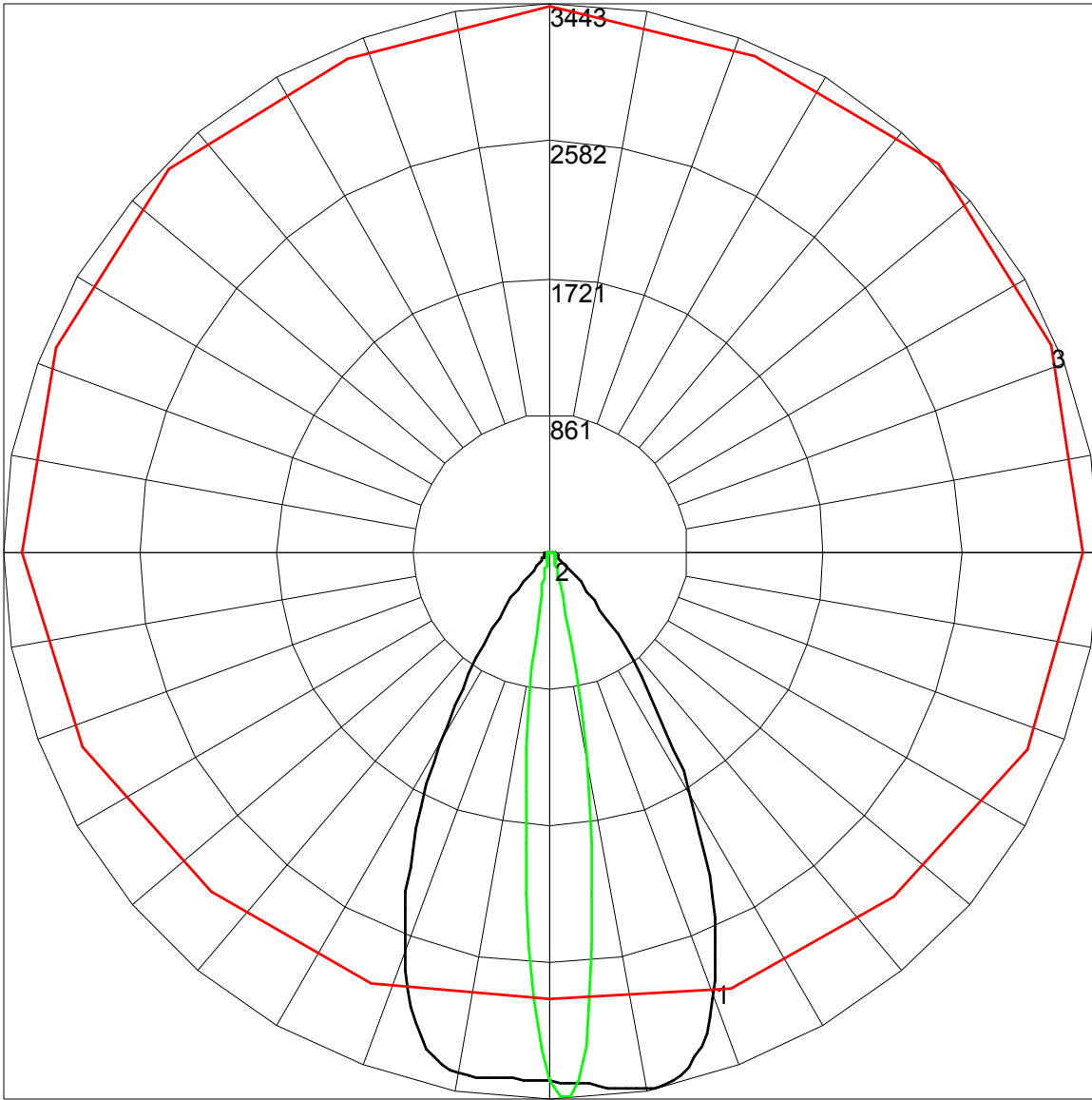
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	60

POLAR GRAPH



Maximum Candela = 3442.87 Located At Horizontal Angle = 45, 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.)