

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS08103K5030D030DC120VAN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUE DATE] 6/28/2017 12:41
 [MANUFAC] Boca Flasher Inc
 [LUMCAT] HPNLS-LO8 / HPNFC-HO8
 [LUMINAIRE] 10W, 30°X 30°, CLEAR, CLEAR ANODIZED, 120V, 1FT
 [LAMP CAT] SOLID COLOR
 [LAMP] WARM WHITE, 3500K
 [_VOLTAGE] 120.5 V
 [_CURRENT] 0.088 A
 [_POWERFACTOR] 0.958
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	784.8 (1 lamp)
Total Lamp Lumens	784.8
Luminaire Lumens	785
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	10.22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.52
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	4785	4355	3540
55	2478	2177	1600
65	1583	1143	887
75	1054	554	456
85	402	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	456.45	58.20	58.20
0-30	646.04	82.30	82.30
0-40	728.38	92.80	92.80
0-60	775.49	98.80	98.80
0-80	784.59	100.00	100.00
0-90	784.82	100.00	100.00
10-90	627.77	80.00	80.00
20-40	271.94	34.70	34.60
20-50	304.63	38.80	38.80
40-70	53.82	6.90	6.90
60-80	9.09	1.20	1.20
70-80	2.39	0.30	0.30
80-90	0.24	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	784.82	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	157.06
10-20	299.39
20-30	189.60
30-40	82.34
40-50	32.69
50-60	14.42
60-70	6.71
70-80	2.39
80-90	0.24
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

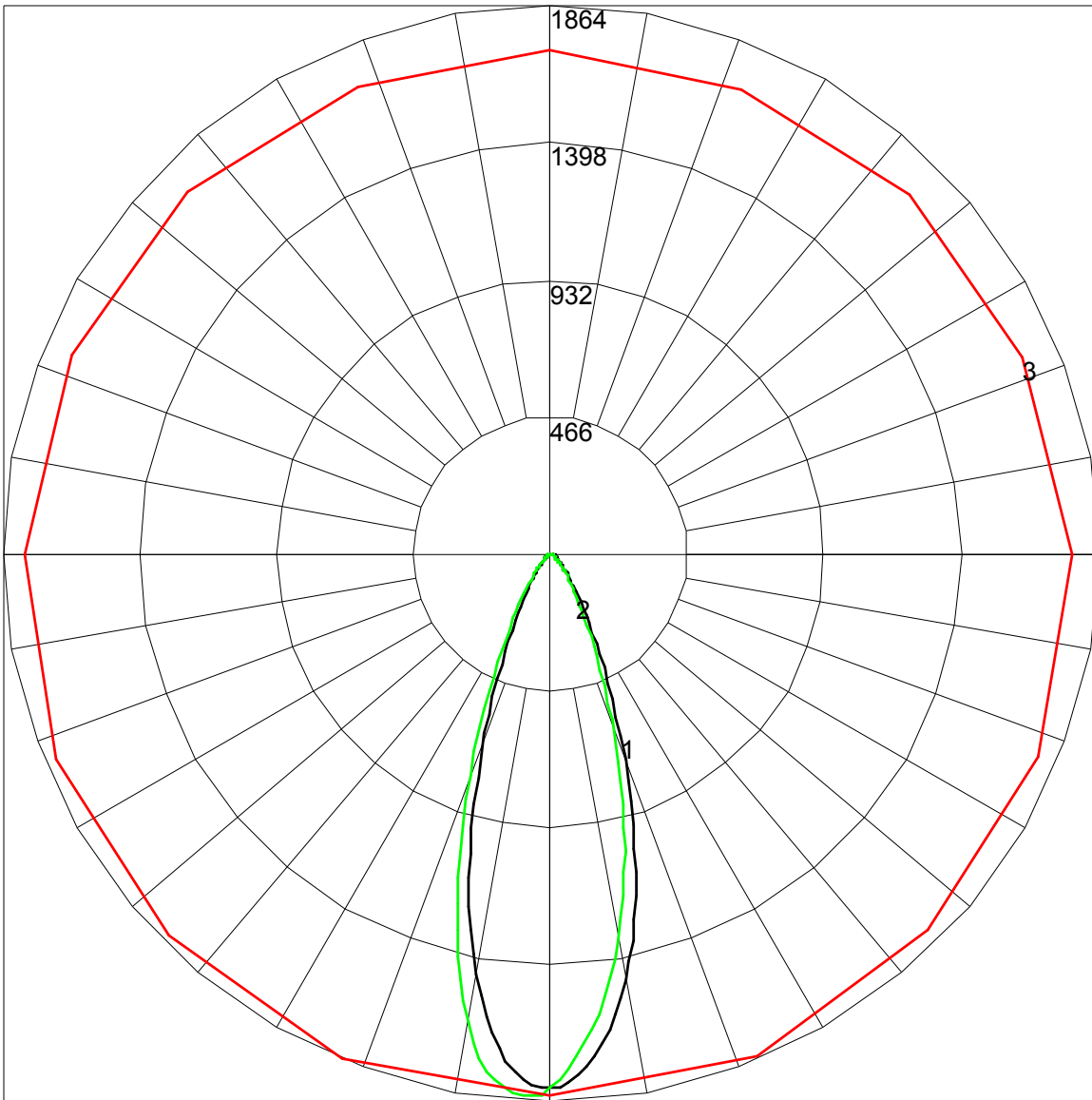
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	0
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	0
3	104	99	94	91	102	97	93	90	95	91	88	92	90	87	90	88	86	84	0
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80	0
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	76	0
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	0
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69	0
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66	0
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63	0
10	79	70	65	62	78	70	65	62	69	65	62	68	64	62	68	64	61	60	0

POLAR GRAPH



Maximum Candela = 1864.23 Located At Horizontal Angle = 247.5, Vertical Angle = 3

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)