

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS06082K7120D120DC120VBN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] 0001
 [ISSUE DATE] 6/8/2017 11:16
 [MANUFAC] Boca Flasher
 [LUMCAT] HPNLS-LO6 / HPNFC-HO6
 [LUMINAIRE] 08W, 120°X120°, CLEAR, BLACK ANODIZED, 120V, 1FT
 [LAMPCAT] SOLID COLOR
 [LAMP] WARM WHITE, 2700K
 [_VOLTAGE] 121.0 V
 [_CURRENT] 0.068 A
 [_POWERFACTOR] 0.966
 [TESTLAB] Boca Flasher Inc
 [_TESTINST] LSG-1800B
 [_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	412 (1 lamp)
Total Lamp Lumens	412
Luminaire Lumens	412
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	8.02
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.44
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	13347	15882	1579
55	13154	1731	707
65	11463	770	638
75	7474	530	403
85	1670	341	289

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	74.04	18.00	18.00
0-30	159.00	38.60	38.60
0-40	263.33	63.90	63.90
0-60	386.20	93.70	93.70
0-80	411.31	99.80	99.80
0-90	412.03	100.00	100.00
10-90	393.04	95.40	95.40
20-40	189.28	45.90	45.90
20-50	270.72	65.70	65.70
40-70	143.14	34.70	34.70
60-80	25.11	6.10	6.10
70-80	4.85	1.20	1.20
80-90	0.72	0.20	0.20
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	412.03	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	18.99
10-20	55.05
20-30	84.96
30-40	104.33
40-50	81.43
50-60	41.44
60-70	20.26
70-80	4.85
80-90	0.72
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

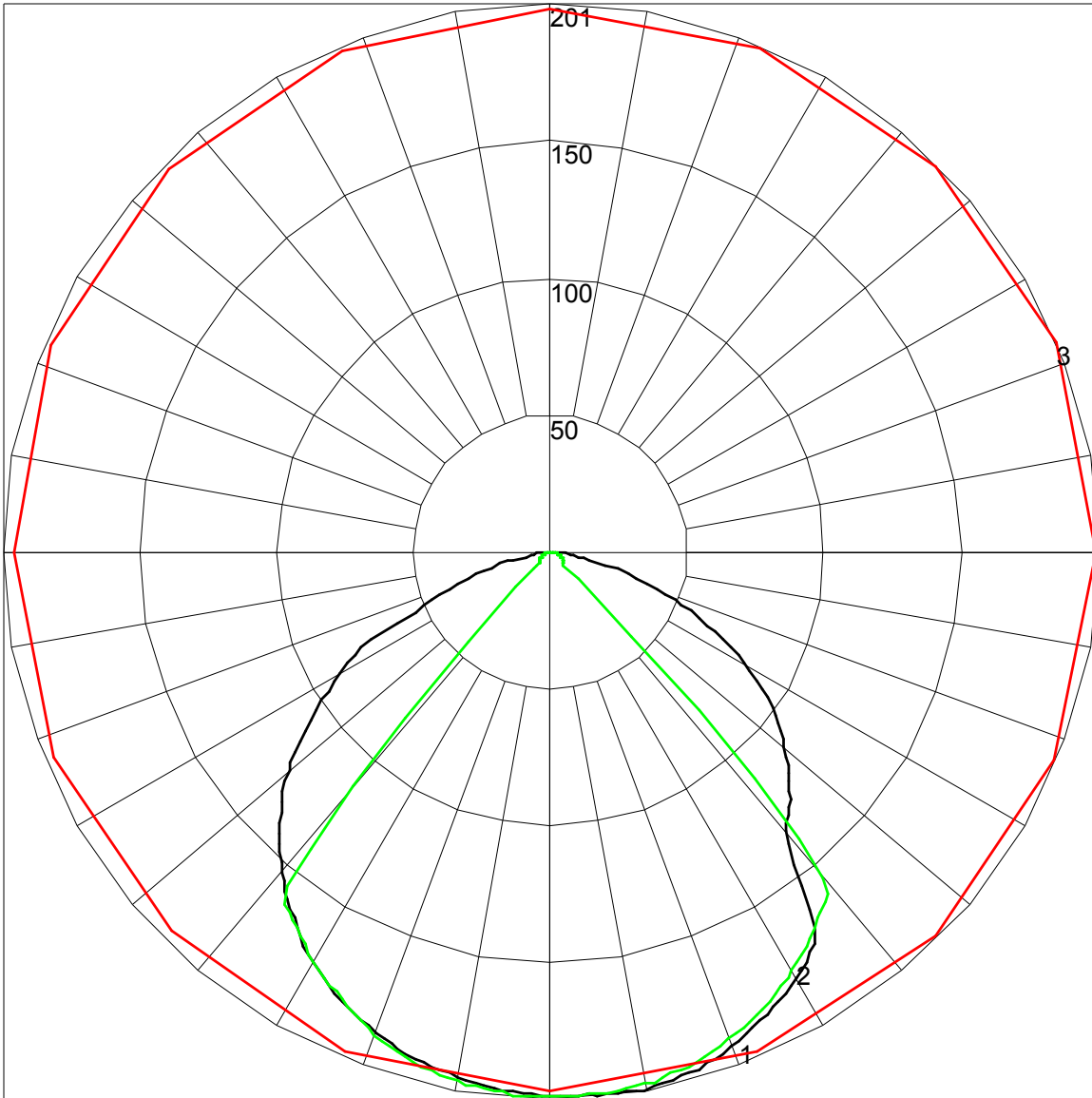
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89	
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79	
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61	
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49	
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40	
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33	

POLAR GRAPH



Maximum Candela = 200.66 Located At Horizontal Angle = 22.5, Vertical Angle = 8

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Horizontal Cone Through Vertical Angle (8) (Through Max. Cd.)