

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K5060D060DC120VAN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[ISSUE DATE] 6/28/2017 11:48
[MANUFAC] Boca Flasher Inc
[LUMCAT] HPNLS-HO
[LUMINAIRE] 16W, 60°X 60°, CLEAR, CLEAR ANODIZED, 120V, 1FT
[LAMP CAT] SOLID COLOR
[LAMP] WARM WHITE, 3500K
[_VOLTAGE] 120.7 V
[_CURRENT] 0.124 A
[_POWERFACTOR] 0.983
[TESTLAB] Boca Flasher Inc
[_TESTINST] LSG-1800B
[_TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	1183.9 (1 lamp)
Total Lamp Lumens	1183.9
Luminaire Lumens	1184
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	14.79
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	0.94
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	15691	19745	19255
55	5727	7189	6627
65	2949	3158	2319
75	1646	1131	1190
85	656	315	481

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	392.99	33.20	33.20
0-30	754.05	63.70	63.70
0-40	1019.75	86.10	86.10
0-60	1166.3	98.50	98.50
0-80	1183.45	100.00	100.00
0-90	1183.85	100.00	100.00
10-90	1077.95	91.10	91.10
20-40	626.76	52.90	52.90
20-50	735.92	62.20	62.20
40-70	159.74	13.50	13.50
60-80	17.15	1.40	1.40
70-80	3.96	0.30	0.30
80-90	0.41	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	1183.85	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.91
10-20	287.08
20-30	361.06
30-40	265.70
40-50	109.16
50-60	37.39
60-70	13.19
70-80	3.96
80-90	0.41
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

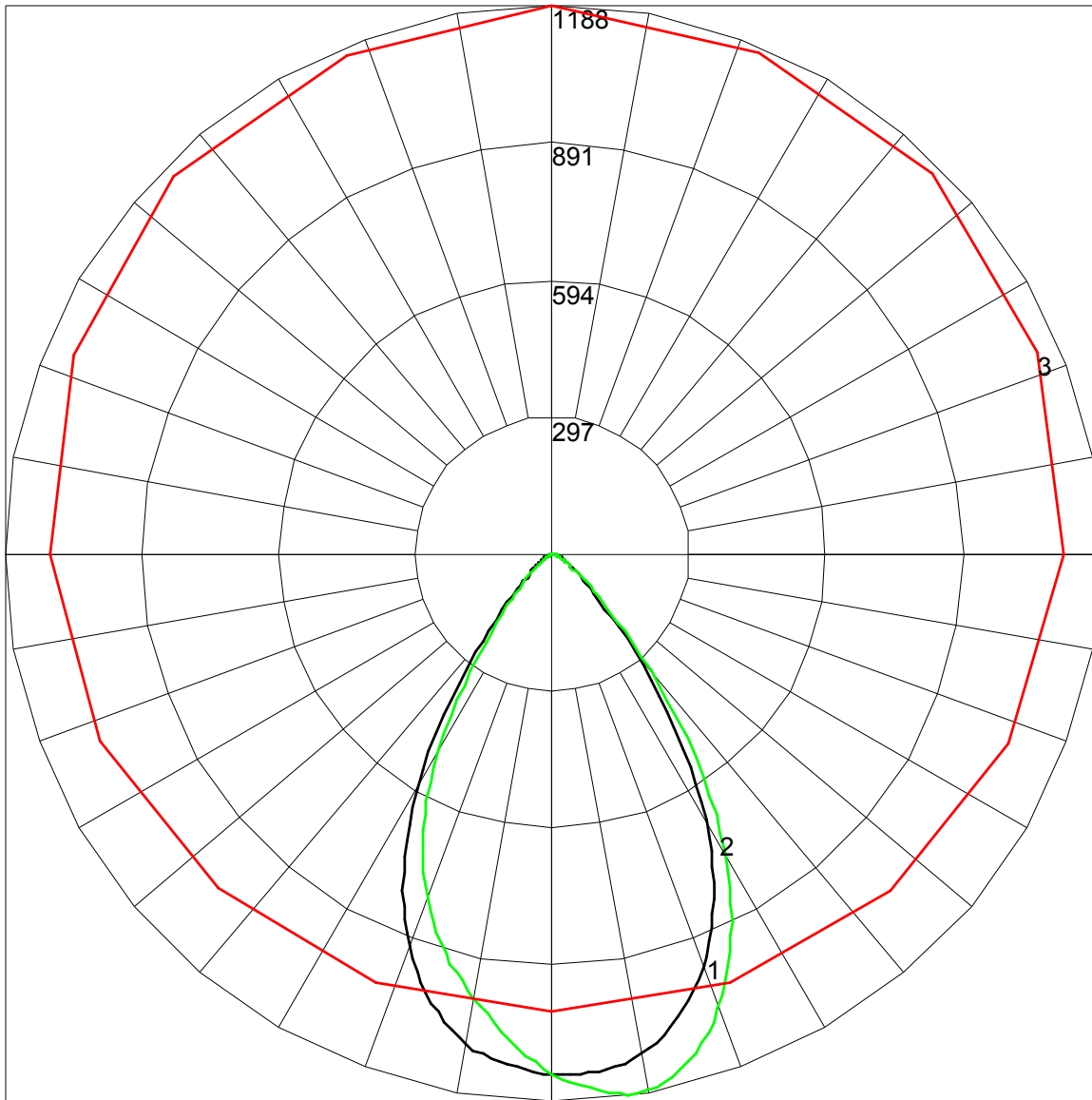
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76	82	78	75	80	77	74	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	67
6	85	76	69	65	84	75	69	65	73	68	64	72	67	64	71	66	63	62
7	81	71	64	60	79	70	64	60	69	63	59	68	63	59	66	62	59	57
8	76	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47

POLAR GRAPH



Maximum Candela = 1187.72 Located At Horizontal Angle = 90, Vertical Angle = 9

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Horizontal Cone Through Vertical Angle (9) (Through Max. Cd.)