

LED Lighting Systems, Technologies & Manufacturing 

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K0010D010DC120VAN.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 28
 [ISSUE DATE] 5/2/2017 16:10
 [MANUFAC]
 [LUMCAT] HPNLS-HO
 [LUMINAIRE] HPNLS-HO, 15W, 3K0, 10° X 10°, 120V, CLEAR ANODIZED, CLEAR LENS
 [LAMP] HPNLS-HO
 [LAMP] NICHIA 219C D220
 [VOLTAGE] 120.8 V
 [CURRENT] 0.130 A
 [POWERFACTOR] 0.980
 [TESTLAB] Boca Flasher Inc
 [TESTINST] LSG-1800B
 [TESTDIST] 9.506 m

CHARACTERISTICS

Lumens Per Lamp	1207.9 (1 lamp)
Total Lamp Lumens	1207.9
Luminaire Lumens	1208
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	15.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.28
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	2972	2972	2401
55	3488	3226	2612
65	2958	2011	1535
75	2320	386	191
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K0010D010DC120VAN.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1109.36	91.80	91.80
0-30	1138.22	94.20	94.20
0-40	1156.06	95.70	95.70
0-60	1194.28	98.90	98.90
0-80	1207.88	100.00	100.00
0-90	1207.93	100.00	100.00
10-90	351.68	29.10	29.10
20-40	46.70	3.90	3.90
20-50	65.55	5.40	5.40
40-70	49.28	4.10	4.10
60-80	13.60	1.10	1.10
70-80	2.54	0.20	0.20
80-90	0.05	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	1207.93	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	856.24
10-20	253.11
20-30	28.86
30-40	17.84
40-50	18.85
50-60	19.37
60-70	11.06
70-80	2.54
80-90	0.05
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

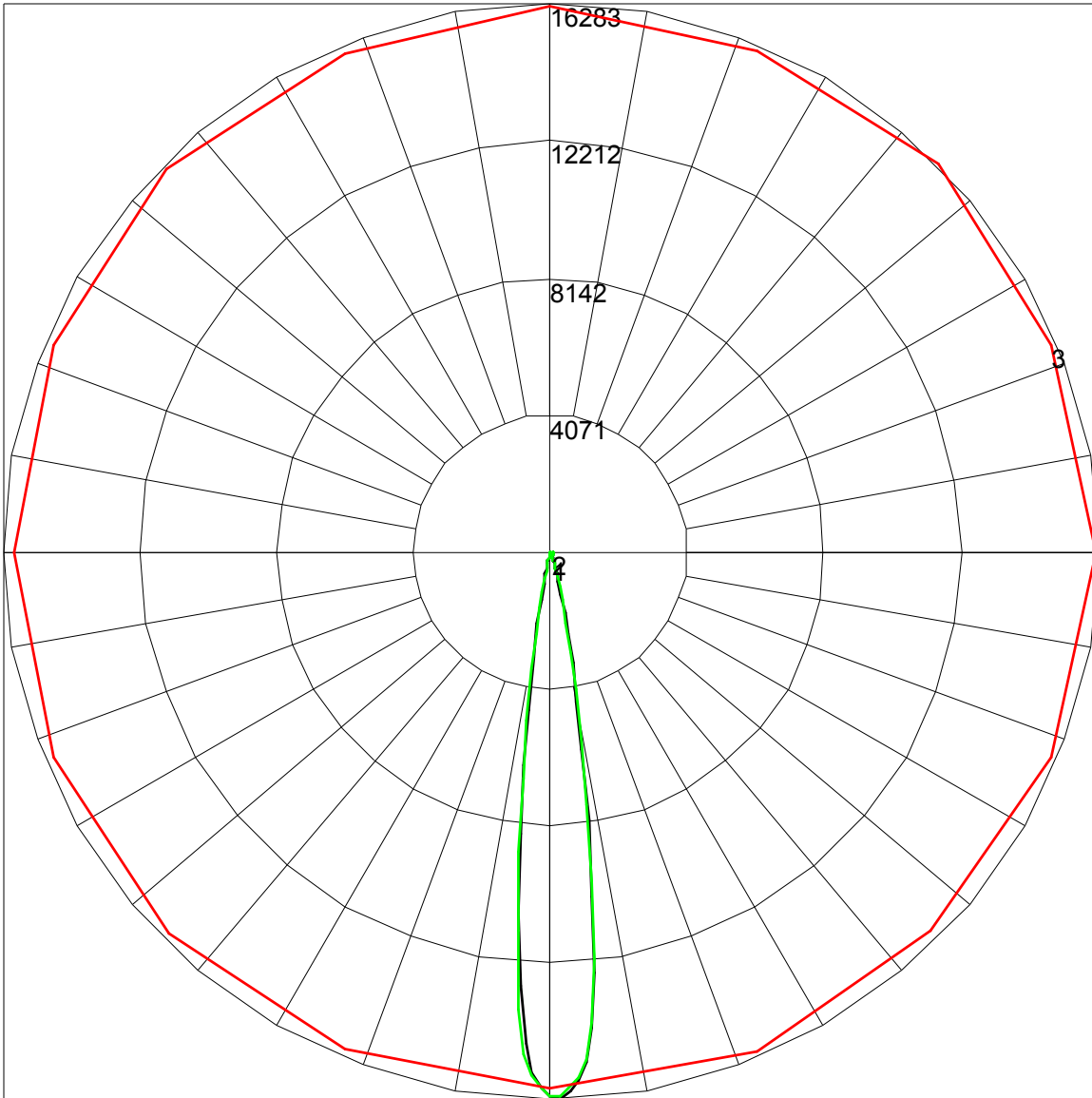
IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLS12163K0010D010DC120VAN.IES

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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	97	96
3	110	106	103	101	108	105	102	100	103	100	98	100	99	97	98	97	96	94
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	90
7	102	97	94	92	101	97	94	91	96	93	91	95	92	91	94	92	90	89
8	100	96	92	90	100	95	92	90	94	92	90	94	91	90	93	91	89	88
9	99	94	91	89	98	94	91	89	93	91	89	92	90	89	92	90	88	88
10	98	93	90	88	97	93	90	88	92	90	88	92	89	88	91	89	87	87

POLAR GRAPH



Maximum Candela = 16283.17 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.)