

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P232904

Luminaire Tested: **NFFLD-L-C125-D-UNV-66-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-236-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-L-C125-D-UNV-66-7060
Description: LED FLOOD LIGHT LUMINAIRE
Light Source: (4) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37478.6 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: (L: 0 ' x W: 1 ' x H: 0 '
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

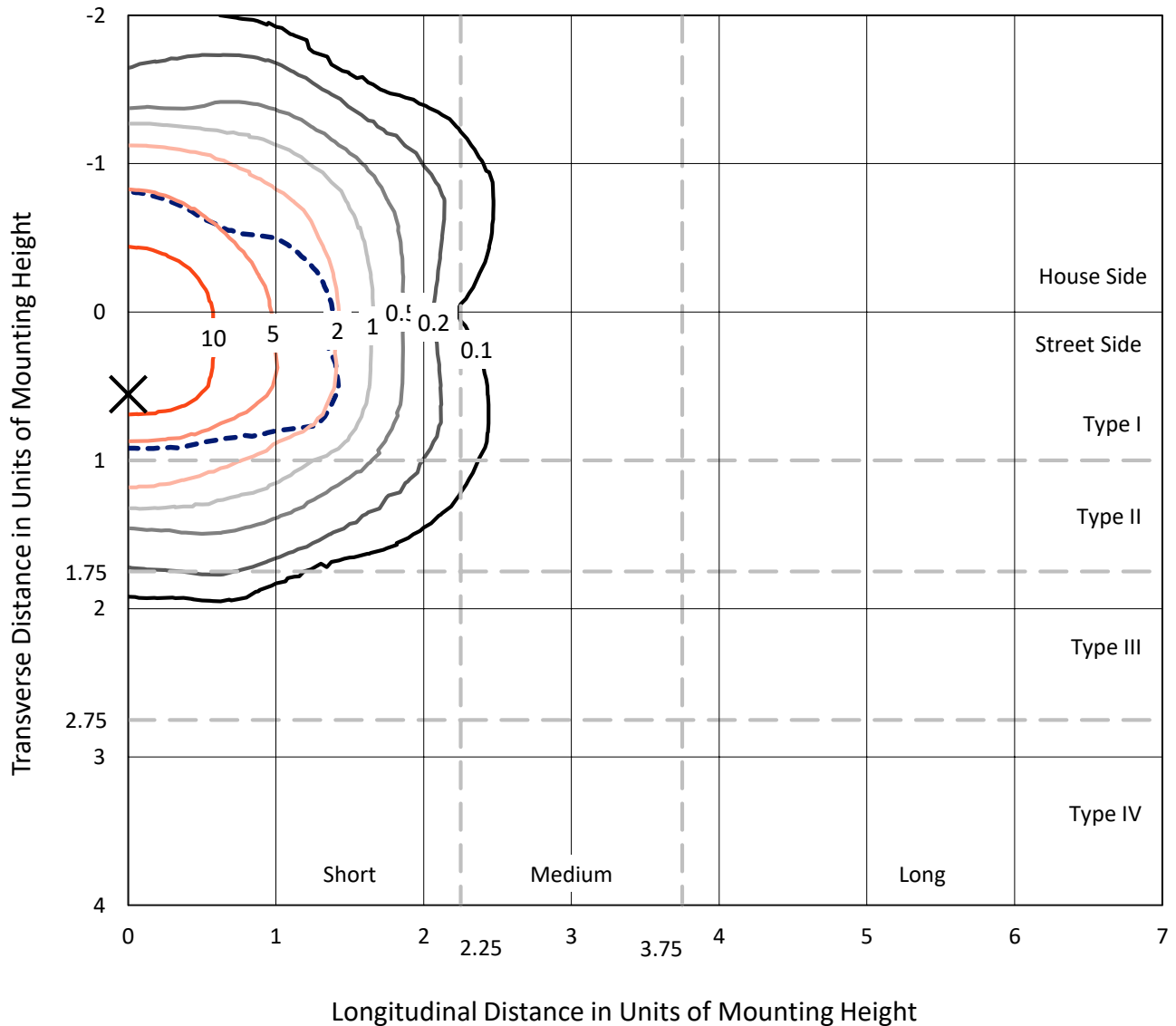
Input Watts (W): 268
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P232904
 CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

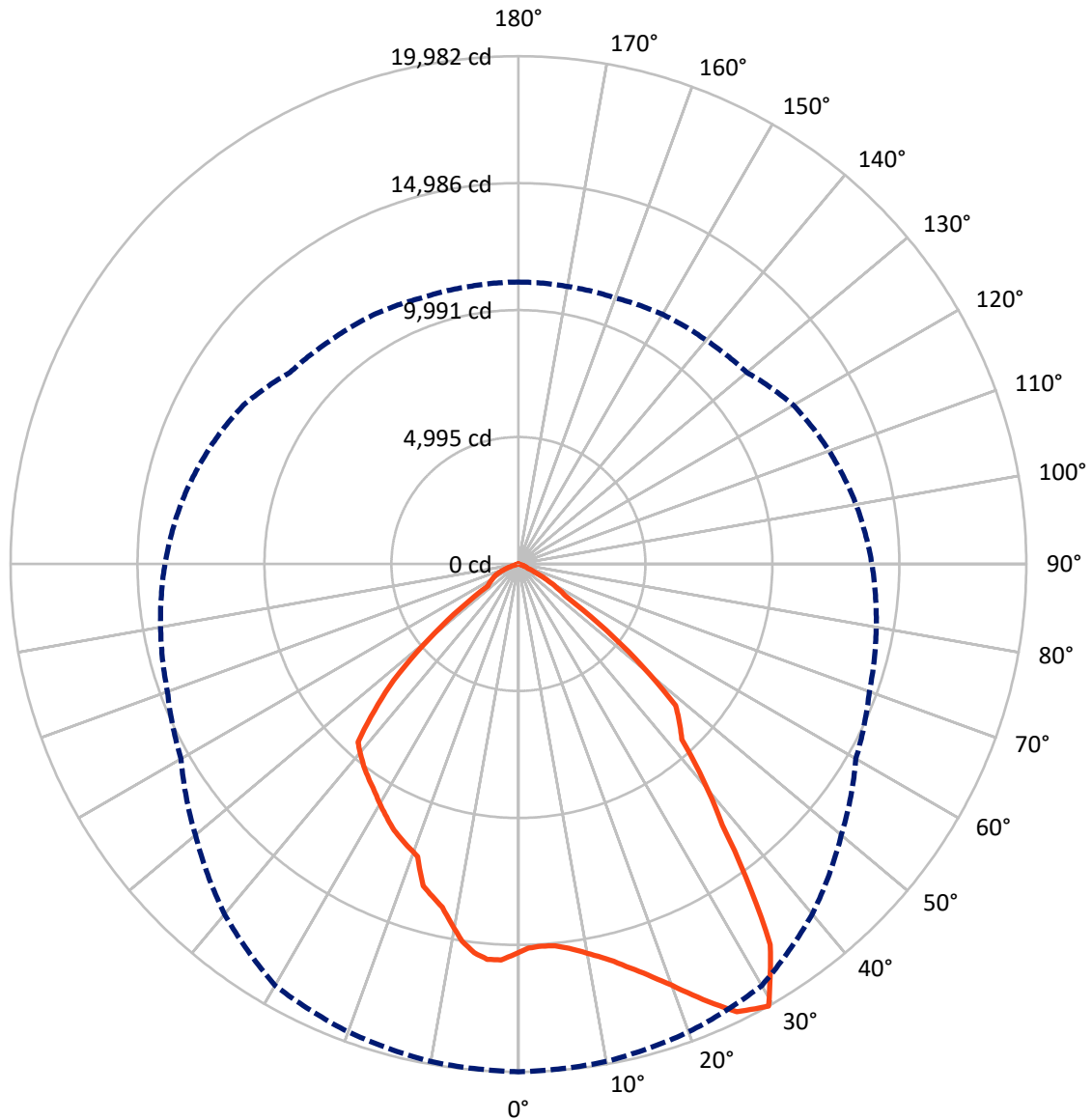


Based on 30 foot mounting height. Maximum calculated value = 16.9 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P232904

CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 29-Deg Vertical

REPORT NUMBER: P232904

CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

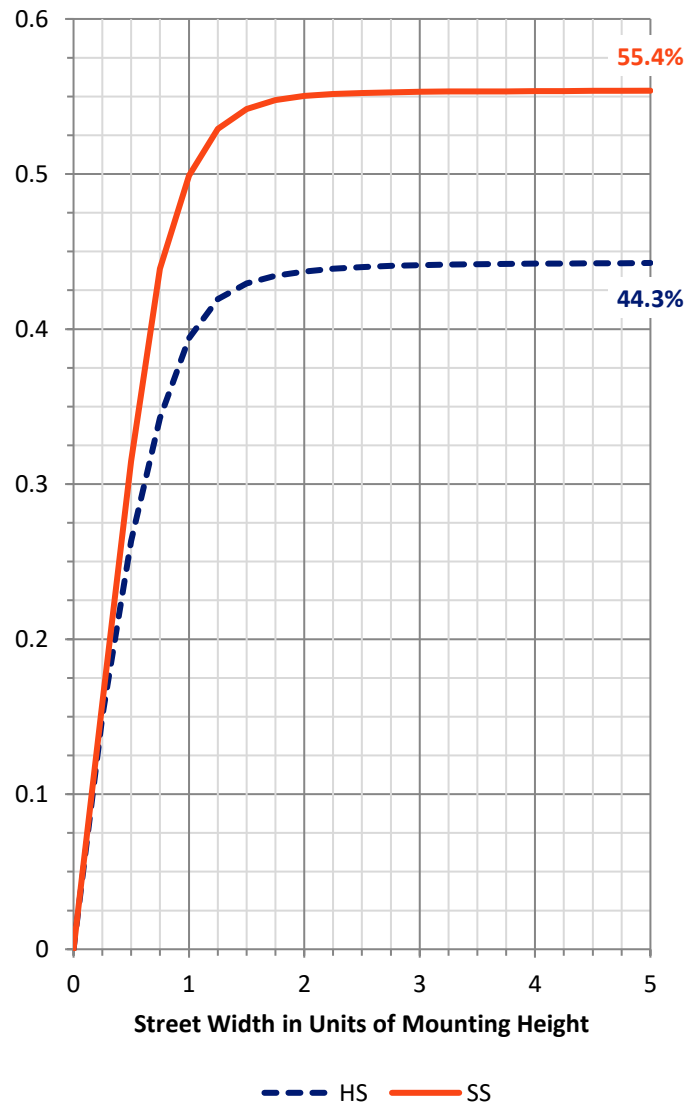
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16734.4	0.0	16734.4
	% Fixture	44.7	0.0	44.7
Street Side	Lumens	20744.3	0.0	20744.3
	% Fixture	55.3	0.0	55.3
Total	Lumens	37478.6	0.0	37478.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1458.0	3.9
10°-20°	4243.6	11.3
20°-30°	6813.4	18.2
30°-40°	8394.3	22.4
40°-50°	8234.0	22.0
50°-60°	5775.3	15.4
60°-70°	2473.3	6.6
70°-80°	556.4	1.5
80°-90°	70.1	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	37478.6	100.0
0°-180°	37478.6	100.0



REPORT NUMBER: P232904

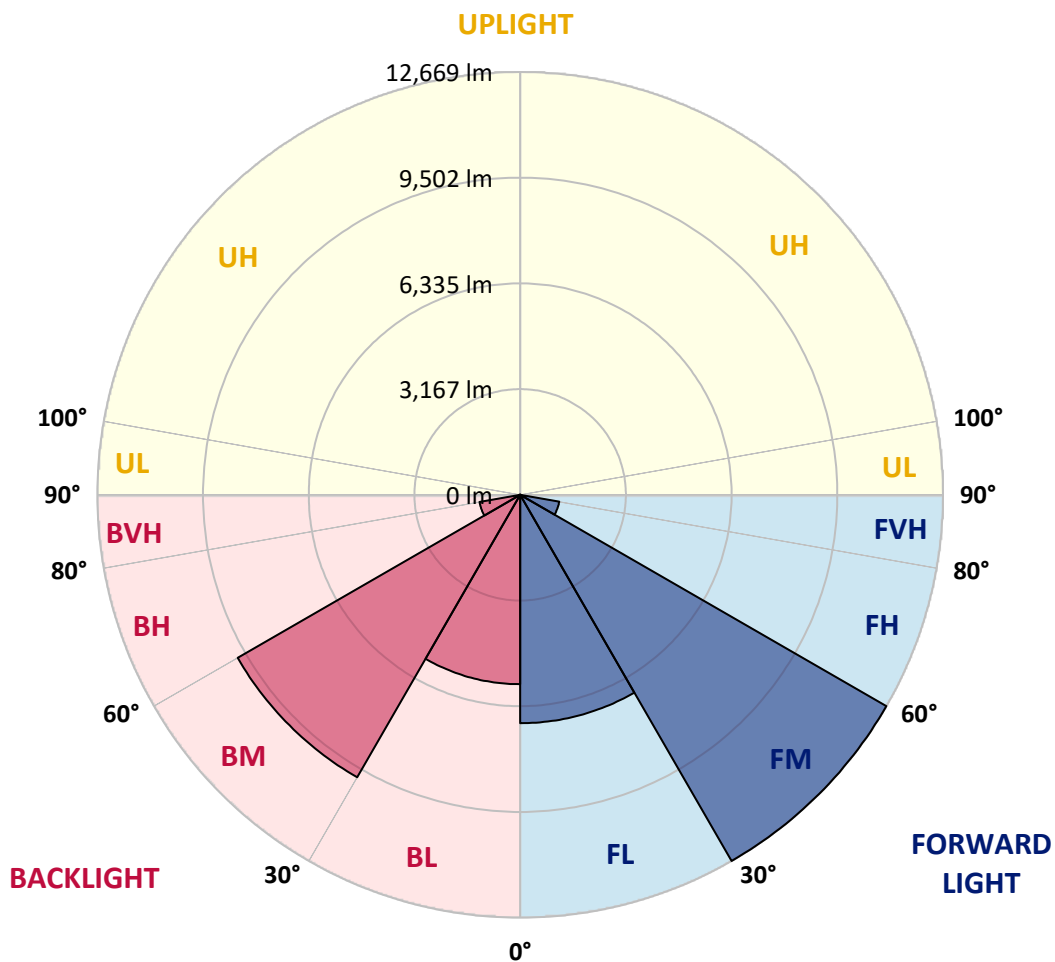
CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6842.7	18.3			
FM	(30°-60°)	12669.3	33.8			
FH	(60°-80°)	1188.0	3.2			G1/1800
FVH	(80°-90°)	27.8	0.1			G1/100
BL	(0°-30°)	5673.8	15.1	B5		
BM	(30°-60°)	9771.9	26.1	B5		
BH	(60°-80°)	1237.5	3.3	B3/2500		G3/2500
BVH	(80°-90°)	37.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type I Short





REPORT NUMBER: P232904

CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9
1°	15113.4	15118.0	15125.6	15136.0	15148.6	15162.9	15178.6	15195.2	15212.4	15229.8	15252.6
3°	15059.1	15061.5	15067.3	15076.4	15089.5	15106.6	15127.0	15149.9	15193.2	15237.5	15300.2
5°	15086.3	15103.1	15098.9	15089.6	15078.5	15065.3	15085.3	15126.2	15176.5	15258.9	15357.9
7°	15247.2	15229.8	15204.7	15166.4	15117.3	15081.1	15068.7	15096.7	15153.5	15257.0	15360.3
9°	15480.0	15455.1	15390.3	15306.4	15194.1	15113.5	15061.4	15074.3	15159.4	15275.4	15376.8
11°	15754.6	15718.9	15631.1	15496.4	15325.9	15161.9	15067.2	15073.9	15173.0	15296.7	15364.3
13°	16077.6	16038.1	15920.7	15719.8	15482.5	15257.2	15094.0	15064.3	15166.7	15275.4	15293.5
15°	16494.6	16435.7	16276.7	15987.9	15667.4	15369.5	15142.6	15063.4	15171.6	15233.7	15196.1
17°	16946.6	16866.2	16670.3	16305.1	15873.8	15484.7	15199.8	15073.6	15172.7	15190.0	15074.9
19.5°	17635.4	17503.3	17230.9	16747.5	16194.5	15648.4	15249.7	15034.6	15108.1	15064.9	14799.0
22.5°	18611.2	18420.0	18027.2	17392.7	16700.2	15919.8	15275.4	14974.9	15048.8	15229.8	14543.1
25.5°	19600.6	19406.1	18934.4	18198.1	17292.6	16301.4	15356.3	14858.0	14689.9	14492.6	14044.6
29°	19981.7	19876.0	19589.2	19150.3	17985.7	16586.6	15330.3	14692.9	14296.9	13907.7	13489.9
33°	17951.6	18121.6	18593.8	19322.6	18517.5	16872.8	15342.2	14612.6	13858.5	13243.2	12812.8
37.5°	13036.7	13471.5	14708.3	16525.7	17612.7	17080.7	15507.6	14575.7	13423.0	12661.3	12158.2
42.5°	9433.2	9708.5	10525.6	11650.9	13875.2	15899.2	15734.7	14563.2	12880.9	12288.8	11698.8
47.5°	8319.6	8254.4	8397.4	8545.8	9679.9	12594.8	15269.1	14271.3	12143.9	11693.2	11368.1
55°	2321.2	2806.8	3834.0	4852.7	6227.6	7221.2	11031.7	11118.7	9421.6	9697.0	9286.5
65°	420.9	408.3	848.1	841.6	1248.4	2087.1	2795.6	2965.9	2233.0	1333.7	2306.9
75°	51.4	75.0	107.3	90.3	93.4	82.1	195.3	178.5	250.8	296.8	366.0
85°	19.4	44.7	53.6	47.4	47.7	51.0	59.4	64.0	76.1	66.9	80.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P232904

CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9
1°	15274.5	15294.6	15312.1	15326.4	15337.2	15344.1	15347.1	15346.2	15347.1	15344.1	15337.2
3°	15361.4	15418.8	15471.9	15519.0	15558.9	15590.1	15598.0	15593.5	15598.0	15590.1	15558.9
5°	15443.2	15526.1	15581.4	15582.4	15586.6	15594.4	15603.3	15601.3	15603.3	15594.4	15586.6
7°	15462.1	15517.7	15525.0	15500.7	15451.7	15422.0	15404.9	15388.8	15404.9	15422.0	15451.7
9°	15456.7	15423.0	15338.7	15265.0	15163.2	15089.1	15028.6	14999.9	15028.6	15089.1	15163.2
11°	15357.6	15241.3	15068.4	14882.3	14732.5	14582.6	14471.2	14397.5	14471.2	14582.6	14732.5
13°	15192.2	14961.7	14673.1	14431.7	14232.1	14051.4	13907.3	13835.0	13907.3	14051.4	14232.1
15°	14982.2	14635.2	14295.9	14018.4	13784.5	13659.3	13560.4	13509.0	13560.4	13659.3	13784.5
17°	14725.3	14331.3	13988.5	13690.0	13504.9	13324.1	13194.4	13205.5	13194.4	13324.1	13504.9
19.5°	14378.0	14017.2	13677.7	13391.0	13090.1	12608.4	12285.4	12171.4	12285.4	12608.4	13090.1
22.5°	14032.3	13646.3	13297.9	12822.7	12156.7	11980.4	11899.5	11868.8	11899.5	11980.4	12156.7
25.5°	13636.1	13191.9	12740.6	12052.6	11786.9	11617.2	11557.4	11561.3	11557.4	11617.2	11786.9
29°	13009.3	12494.1	11726.2	11489.3	11339.9	11138.1	11088.6	11093.8	11088.6	11138.1	11339.9
33°	12265.5	11591.1	10967.1	10854.6	10670.5	10566.4	10554.0	10560.3	10554.0	10566.4	10670.5
37.5°	11514.9	10772.2	10327.1	10077.8	9987.0	10017.0	10024.1	10062.7	10024.1	10017.0	9987.0
42.5°	10874.2	10174.6	9595.3	9332.0	9339.6	9326.1	9335.4	9433.2	9335.4	9326.1	9339.6
47.5°	10431.3	9725.6	8833.6	8561.1	8244.9	7371.3	6825.3	6719.1	6825.3	7371.3	8244.9
55°	8814.5	8696.8	7288.4	5752.7	4056.5	2682.4	1844.5	1471.5	1844.5	2682.4	4056.5
65°	3119.8	2673.0	1589.2	1177.2	1264.1	1086.4	961.1	955.5	961.1	1086.4	1264.1
75°	355.6	310.6	271.8	227.1	277.2	215.6	138.9	114.4	138.9	215.6	277.2
85°	72.8	72.7	73.3	64.0	49.8	44.8	25.5	11.6	25.5	44.8	49.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P232904

CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9	15227.9
1°	15326.4	15312.1	15294.6	15274.5	15252.6	15229.8	15212.4	15195.2	15178.6	15162.9	15148.6
3°	15519.0	15471.9	15418.8	15361.4	15300.2	15237.5	15193.2	15149.9	15127.0	15106.6	15089.5
5°	15582.4	15581.4	15526.1	15443.2	15357.9	15258.9	15176.5	15126.2	15085.3	15065.3	15078.5
7°	15500.7	15525.0	15517.7	15462.1	15360.3	15257.0	15153.5	15096.7	15068.7	15081.1	15117.3
9°	15265.0	15338.7	15423.0	15456.7	15376.8	15275.4	15159.4	15074.3	15061.4	15113.5	15194.1
11°	14882.3	15068.4	15241.3	15357.6	15364.3	15296.7	15173.0	15073.9	15067.2	15161.9	15325.9
13°	14431.7	14673.1	14961.7	15192.2	15293.5	15275.4	15166.7	15064.3	15094.0	15257.2	15482.5
15°	14018.4	14295.9	14635.2	14982.2	15196.1	15233.7	15171.6	15063.4	15142.6	15369.5	15667.4
17°	13690.0	13988.5	14331.3	14725.3	15074.9	15190.0	15172.7	15073.6	15199.8	15484.7	15873.8
19.5°	13391.0	13677.7	14017.2	14378.0	14799.0	15064.9	15108.1	15034.6	15249.7	15648.4	16194.5
22.5°	12822.7	13297.9	13646.3	14032.3	14543.1	15229.8	15048.8	14974.9	15275.4	15919.8	16700.2
25.5°	12052.6	12740.6	13191.9	13636.1	14044.6	14492.6	14689.9	14858.0	15356.3	16301.4	17292.6
29°	11489.3	11726.2	12494.1	13009.3	13489.9	13907.7	14296.9	14692.9	15330.3	16586.6	17985.7
33°	10854.6	10967.1	11591.1	12265.5	12812.8	13243.2	13858.5	14612.6	15342.2	16872.8	18517.5
37.5°	10077.8	10327.1	10772.2	11514.9	12158.2	12661.3	13423.0	14575.7	15507.6	17080.7	17612.7
42.5°	9332.0	9595.3	10174.6	10874.2	11698.8	12288.8	12880.9	14563.2	15734.7	15899.2	13875.2
47.5°	8561.1	8833.6	9725.6	10431.3	11368.1	11693.2	12143.9	14271.3	15269.1	12594.8	9679.9
55°	5752.7	7288.4	8696.8	8814.5	9286.5	9697.0	9421.6	11118.7	11031.7	7221.2	6227.6
65°	1177.2	1589.2	2673.0	3119.8	2306.9	1333.7	2233.0	2965.9	2795.6	2087.1	1248.4
75°	227.1	271.8	310.6	355.6	366.0	296.8	250.8	178.5	195.3	82.1	93.4
85°	64.0	73.3	72.7	72.8	80.4	66.9	76.1	64.0	59.4	51.0	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P232904

CATALOG NUMBER: NFFLD-L-C125-D-UNV-66-7060

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	15227.9	15227.9	15227.9	15227.9
1°	15136.0	15125.6	15118.0	15113.4
3°	15076.4	15067.3	15061.5	15059.1
5°	15089.6	15098.9	15103.1	15086.3
7°	15166.4	15204.7	15229.8	15247.2
9°	15306.4	15390.3	15455.1	15480.0
11°	15496.4	15631.1	15718.9	15754.6
13°	15719.8	15920.7	16038.1	16077.6
15°	15987.9	16276.7	16435.7	16494.6
17°	16305.1	16670.3	16866.2	16946.6
19.5°	16747.5	17230.9	17503.3	17635.4
22.5°	17392.7	18027.2	18420.0	18611.2
25.5°	18198.1	18934.4	19406.1	19600.6
29°	19150.3	19589.2	19876.0	19981.7
33°	19322.6	18593.8	18121.6	17951.6
37.5°	16525.7	14708.3	13471.5	13036.7
42.5°	11650.9	10525.6	9708.5	9433.2
47.5°	8545.8	8397.4	8254.4	8319.6
55°	4852.7	3834.0	2806.8	2321.2
65°	841.6	848.1	408.3	420.9
75°	90.3	107.3	75.0	51.4
85°	47.4	53.6	44.7	19.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)