

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: P958823

Luminaire Tested: **NFFLD-C70-D-UNV-66-8040**

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P232921)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C70-D-UNV-66-8040
Description: LED FLOOD LIGHT LUMINAIRE
Light Source: (2) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

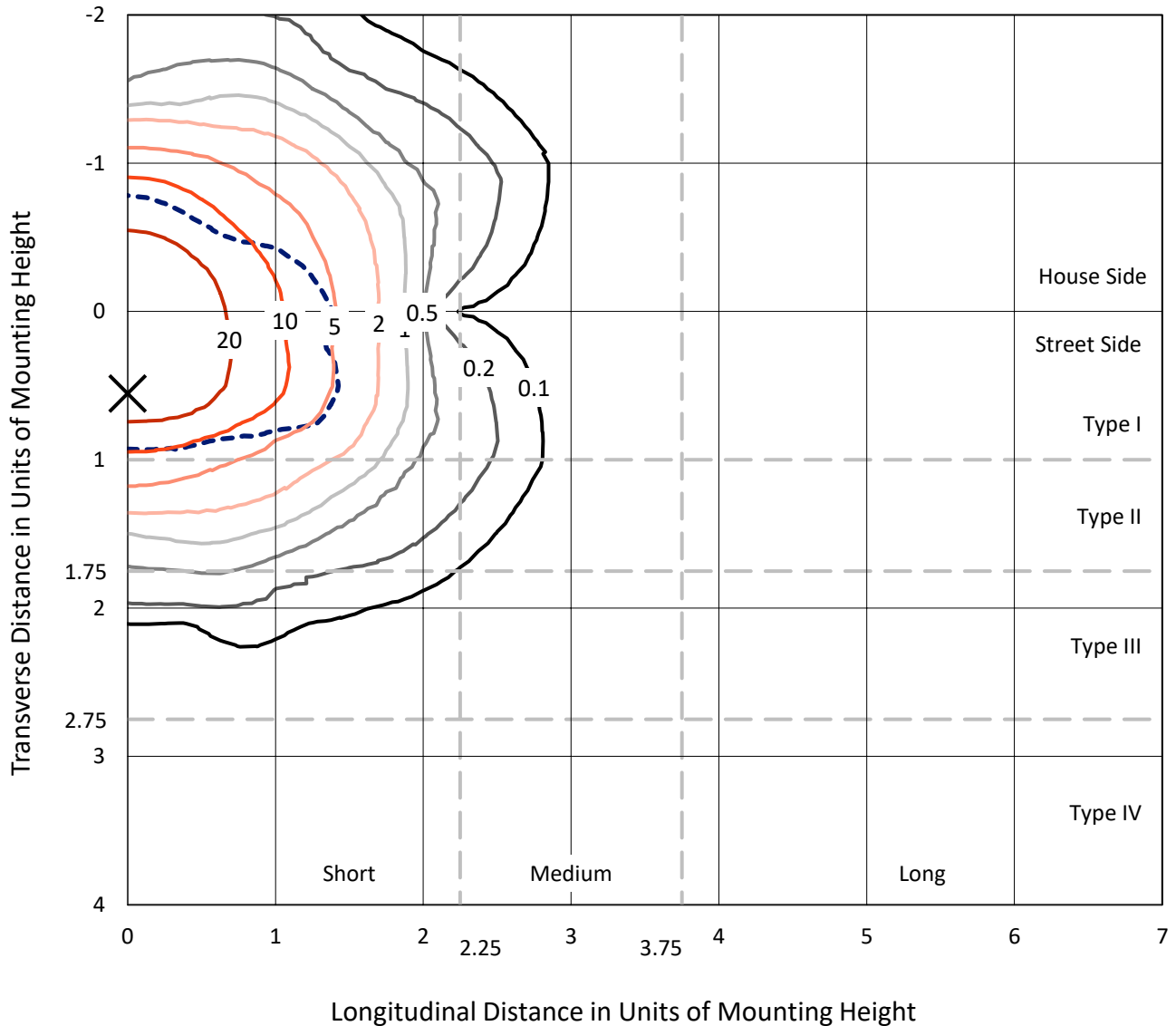
Lumens per Lamp: N/A
Luminaire Lumens: 22283.9 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1.3' x L: 0.62' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 184
Input Voltage (V): NR
Input Current (A_{in}): 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: 28.75 FT

REPORT NUMBER: P958823
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

Iso-Footcandle Lines of Horizontal Illumination

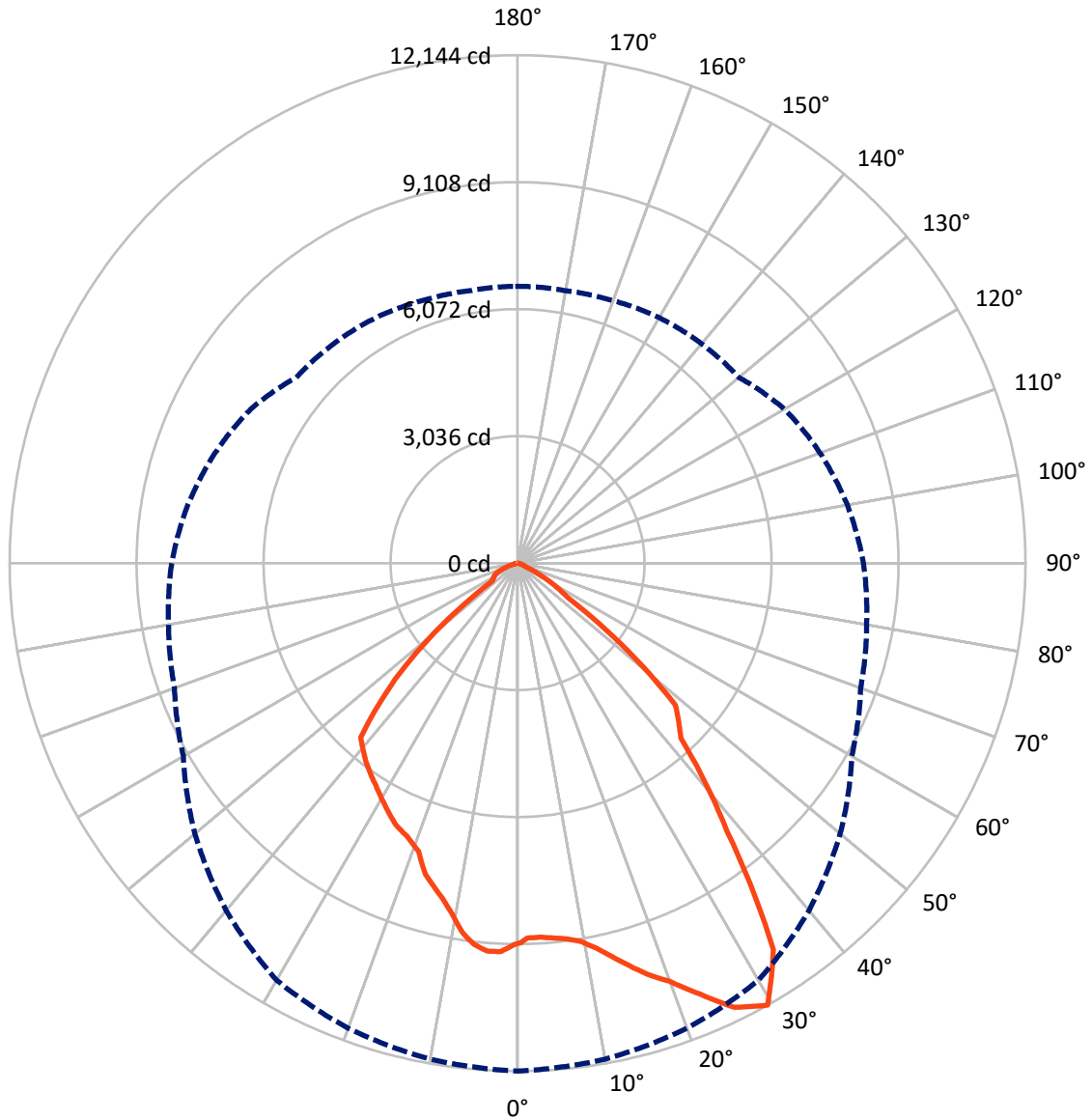
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 40.3 fc
 Type I - Short - N/A

REPORT NUMBER: P958823
CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

Luminous Intensity Polar Plot



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

REPORT NUMBER: P958823
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

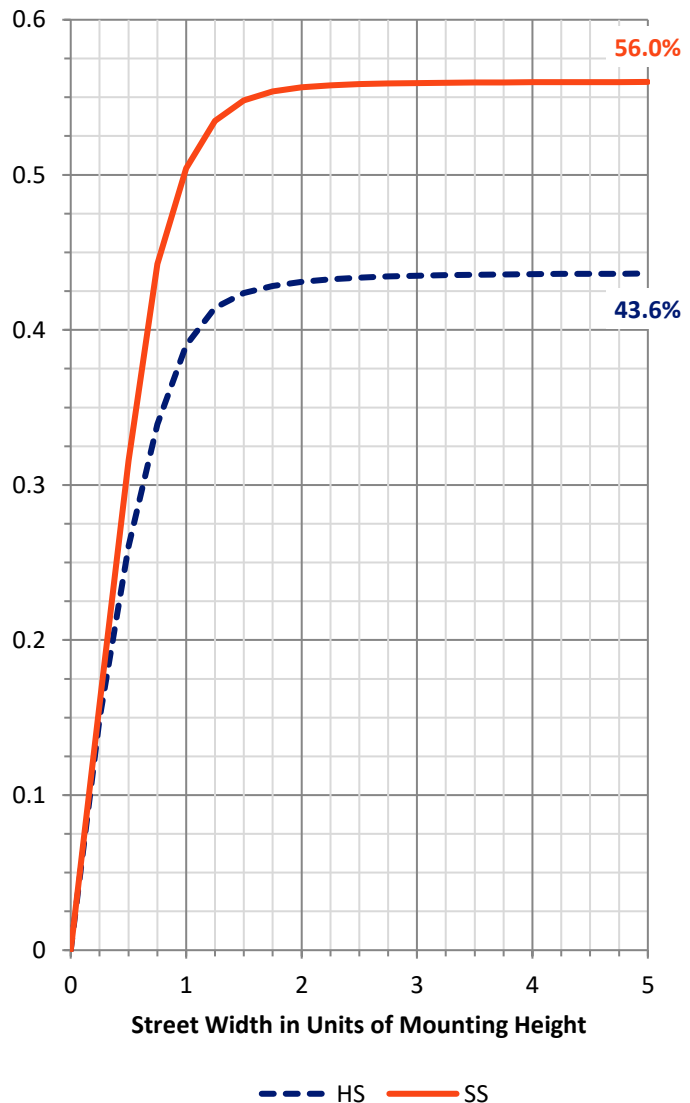
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9809.4	0.0	9809.4
	% Fixture	44.0	0.0	44.0
Street Side	Lumens	12474.5	0.0	12474.5
	% Fixture	56.0	0.0	56.0
Total	Lumens	22283.9	0.0	22283.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	867.4	3.9
10°-20°	2528.4	11.3
20°-30°	4076.0	18.3
30°-40°	5031.8	22.6
40°-50°	4915.5	22.1
50°-60°	3417.1	15.3
60°-70°	1426.1	6.4
70°-80°	305.1	1.4
80°-90°	40.7	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°	22283.9	100.0
0°-180°	22283.9	100.0



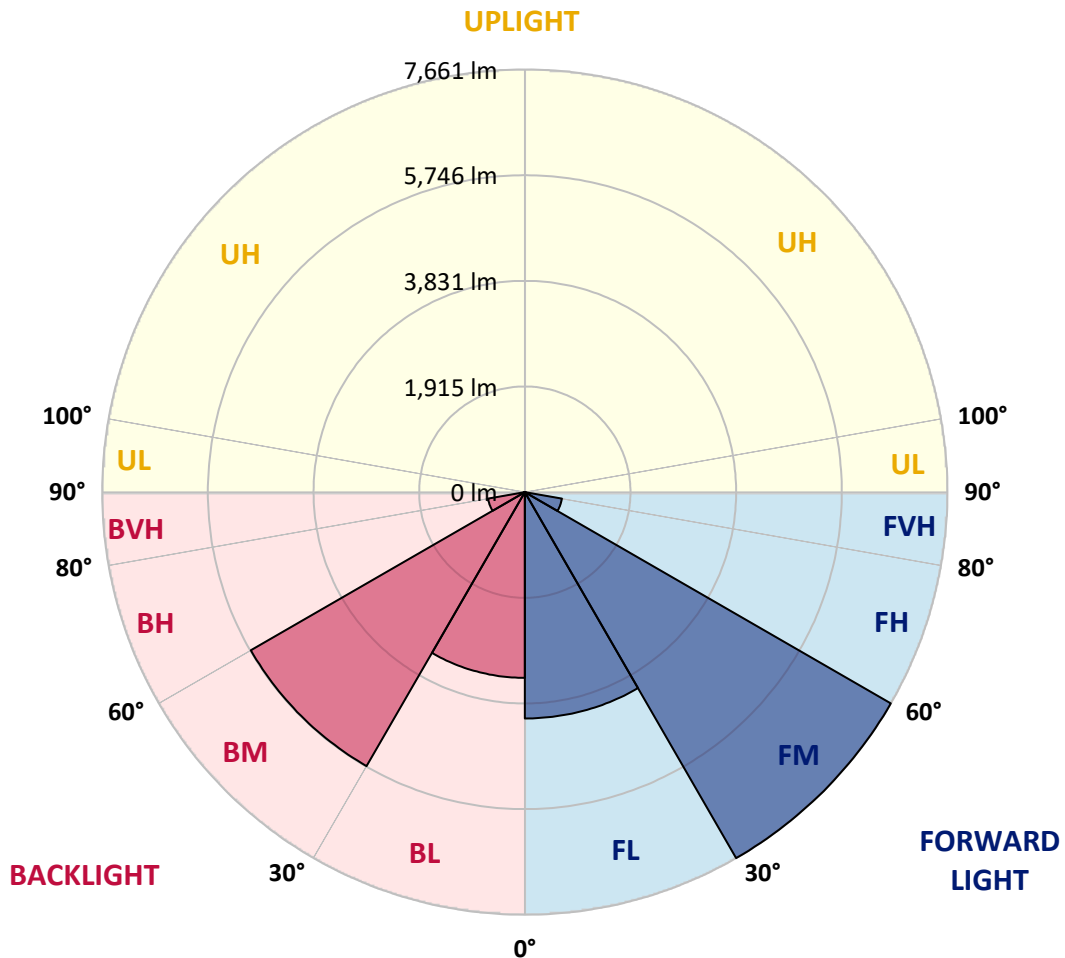
REPORT NUMBER: P958823
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4103.5	18.4			
FM (30°-60°)	7661.1	34.4			
FH (60°-80°)	683.2	3.1			G1/1800
FVH (80°-90°)	16.6	0.1			G1/100
BL (0°-30°)	3366.8	15.1	B4/5000		
BM (30°-60°)	5736.1	25.7	B4/8500		
BH (60°-80°)	677.2	3.0	B2/1000		G2/1000
BVH (80°-90°)	21.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type I Short





REPORT NUMBER: P958823
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9
1°	8963.7	8969.3	8977.6	8987.8	8999.4	9011.9	9024.8	9037.9	9051.2	9064.6	9077.4
3°	8958.1	8966.1	8974.1	8973.0	8973.5	8975.5	8979.1	8984.0	9030.4	9081.3	9118.1
5°	9002.6	8995.2	8987.5	8978.5	8969.4	8964.2	8974.2	8994.1	9021.2	9072.9	9148.5
7°	9059.1	9059.7	9046.1	9022.0	8987.7	8965.8	8956.1	8968.9	9013.7	9098.9	9174.4
9°	9166.5	9161.5	9128.1	9096.2	9043.0	8991.7	8952.5	8944.5	9015.3	9093.3	9165.8
11°	9388.7	9358.0	9295.8	9200.4	9091.6	9021.5	8959.7	8940.6	8994.0	9080.4	9135.8
13°	9674.8	9627.7	9523.1	9361.3	9196.8	9046.9	8965.3	8940.3	9005.6	9102.6	9100.1
15°	9986.9	9930.2	9787.3	9586.1	9353.0	9120.3	8991.9	8950.4	9027.1	9111.8	9045.3
17°	10303.5	10225.1	10077.8	9834.4	9522.7	9226.0	9015.4	8985.2	9071.7	9225.7	8962.6
19.5°	10642.4	10585.6	10425.8	10149.8	9790.5	9408.0	9087.9	8992.2	9061.3	9305.4	8854.6
22.5°	11199.0	11085.4	10853.6	10510.5	10105.8	9627.3	9173.0	8926.4	8928.7	8952.6	8615.0
25.5°	11812.9	11657.0	11376.6	10936.0	10478.2	9884.6	9226.6	8806.3	8743.8	8638.7	8347.9
29°	12143.5	12042.3	11835.9	11517.0	10838.2	10066.4	9227.2	8728.3	8472.9	8268.3	8005.5
33°	11077.6	11154.5	11380.2	11711.0	11133.5	10110.2	9236.6	8724.9	8136.1	7722.8	7495.8
37.5°	8134.0	8358.5	9108.4	10261.8	10729.5	10241.2	9264.4	8739.4	7888.8	7455.2	7087.0
42.5°	5720.8	5924.4	6454.0	7200.2	8549.1	9678.4	9403.2	8728.8	7617.5	7266.3	6878.1
47.5°	5076.3	5038.6	5125.3	5173.3	5897.8	7727.5	9269.6	8542.8	7156.1	6844.1	6607.0
55°	1457.5	1743.4	2348.3	2965.2	3829.9	4303.6	6665.1	6756.7	5652.1	5867.1	5522.0
65°	232.4	251.5	521.4	525.0	753.6	1214.9	1534.9	1773.4	1092.0	326.9	1088.3
75°	36.1	41.9	67.0	57.3	62.3	52.9	89.4	111.9	119.2	203.7	175.4
85°	7.4	28.7	30.5	28.1	29.8	29.6	35.6	42.0	42.8	46.3	44.5
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: P958823
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9
1°	9089.6	9100.6	9109.8	9116.7	9121.0	9122.9	9122.5	9120.2	9122.5	9122.9	9121.0
3°	9152.9	9181.8	9210.3	9238.4	9265.1	9289.0	9297.0	9297.0	9297.0	9289.0	9265.1
5°	9197.5	9240.6	9269.9	9278.2	9288.0	9290.7	9290.9	9301.7	9290.9	9290.7	9288.0
7°	9221.5	9244.5	9246.6	9235.3	9202.2	9178.6	9174.1	9176.7	9174.1	9178.6	9202.2
9°	9204.3	9181.7	9134.0	9087.4	9008.8	8946.8	8921.3	8927.6	8921.3	8946.8	9008.8
11°	9128.5	9055.2	8949.9	8824.2	8716.6	8606.2	8533.2	8543.3	8533.2	8606.2	8716.6
13°	9031.3	8864.9	8676.8	8522.7	8381.4	8301.5	8235.9	8227.5	8235.9	8301.5	8381.4
15°	8896.9	8641.2	8434.6	8280.9	8142.1	8053.3	7995.0	7988.6	7995.0	8053.3	8142.1
17°	8738.7	8439.2	8237.9	8091.6	7956.7	7830.1	7763.1	7756.2	7763.1	7830.1	7956.7
19.5°	8561.0	8280.9	8071.7	7876.6	7683.9	7449.4	7309.2	7281.1	7309.2	7449.4	7683.9
22.5°	8349.7	8117.9	7848.7	7518.8	7209.7	7124.3	7074.0	7047.8	7074.0	7124.3	7209.7
25.5°	8089.6	7825.9	7510.2	7119.3	7012.6	6951.9	6902.5	6900.6	6902.5	6951.9	7012.6
29°	7696.0	7365.0	6906.8	6845.1	6775.6	6677.4	6613.4	6617.2	6613.4	6677.4	6775.6
33°	7207.5	6793.0	6496.6	6484.3	6380.1	6306.9	6291.9	6303.3	6291.9	6306.9	6380.1
37.5°	6743.1	6320.4	6102.7	5974.9	5927.1	5963.6	5989.8	6000.5	5989.8	5963.6	5927.1
42.5°	6370.6	5978.5	5623.4	5487.4	5529.0	5543.4	5588.3	5606.0	5588.3	5543.4	5529.0
47.5°	6092.8	5685.3	5132.9	5033.4	4881.5	4329.3	3966.5	3846.6	3966.5	4329.3	4881.5
55°	5167.6	5052.5	4334.8	3314.9	2295.1	1475.8	988.1	745.4	988.1	1475.8	2295.1
65°	1783.3	1337.9	828.9	625.0	727.1	619.0	570.0	569.5	570.0	619.0	727.1
75°	213.4	155.8	159.1	132.5	169.9	140.6	96.9	82.4	96.9	140.6	169.9
85°	39.0	34.6	34.9	30.7	27.5	27.2	20.4	0.9	20.4	27.2	27.5
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: P958823
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9	9073.9
1°	9116.7	9109.8	9100.6	9089.6	9077.4	9064.6	9051.2	9037.9	9024.8	9011.9	8999.4
3°	9238.4	9210.3	9181.8	9152.9	9118.1	9081.3	9030.4	8984.0	8979.1	8975.5	8973.5
5°	9278.2	9269.9	9240.6	9197.5	9148.5	9072.9	9021.2	8994.1	8974.2	8964.2	8969.4
7°	9235.3	9246.6	9244.5	9221.5	9174.4	9098.9	9013.7	8968.9	8956.1	8965.8	8987.7
9°	9087.4	9134.0	9181.7	9204.3	9165.8	9093.3	9015.3	8944.5	8952.5	8991.7	9043.0
11°	8824.2	8949.9	9055.2	9128.5	9135.8	9080.4	8994.0	8940.6	8959.7	9021.5	9091.6
13°	8522.7	8676.8	8864.9	9031.3	9100.1	9102.6	9005.6	8940.3	8965.3	9046.9	9196.8
15°	8280.9	8434.6	8641.2	8896.9	9045.3	9111.8	9027.1	8950.4	8991.9	9120.3	9353.0
17°	8091.6	8237.9	8439.2	8738.7	8962.6	9225.7	9071.7	8985.2	9015.4	9226.0	9522.7
19.5°	7876.6	8071.7	8280.9	8561.0	8854.6	9305.4	9061.3	8992.2	9087.9	9408.0	9790.5
22.5°	7518.8	7848.7	8117.9	8349.7	8615.0	8952.6	8928.7	8926.4	9173.0	9627.3	10105.8
25.5°	7119.3	7510.2	7825.9	8089.6	8347.9	8638.7	8743.8	8806.3	9226.6	9884.6	10478.2
29°	6845.1	6906.8	7365.0	7696.0	8005.5	8268.3	8472.9	8728.3	9227.2	10066.4	10838.2
33°	6484.3	6496.6	6793.0	7207.5	7495.8	7722.8	8136.1	8724.9	9236.6	10110.2	11133.5
37.5°	5974.9	6102.7	6320.4	6743.1	7087.0	7455.2	7888.8	8739.4	9264.4	10241.2	10729.5
42.5°	5487.4	5623.4	5978.5	6370.6	6878.1	7266.3	7617.5	8728.8	9403.2	9678.4	8549.1
47.5°	5033.4	5132.9	5685.3	6092.8	6607.0	6844.1	7156.1	8542.8	9269.6	7727.5	5897.8
55°	3314.9	4334.8	5052.5	5167.6	5522.0	5867.1	5652.1	6756.7	6665.1	4303.6	3829.9
65°	625.0	828.9	1337.9	1783.3	1088.3	326.9	1092.0	1773.4	1534.9	1214.9	753.6
75°	132.5	159.1	155.8	213.4	175.4	203.7	119.2	111.9	89.4	52.9	62.3
85°	30.7	34.9	34.6	39.0	44.5	46.3	42.8	42.0	35.6	29.6	29.8
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: P958823
CATALOG NUMBER: NFFLD-C70-D-UNV-66-8040

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9073.9	9073.9	9073.9	9073.9
1°	8987.8	8977.6	8969.3	8963.7
3°	8973.0	8974.1	8966.1	8958.1
5°	8978.5	8987.5	8995.2	9002.6
7°	9022.0	9046.1	9059.7	9059.1
9°	9096.2	9128.1	9161.5	9166.5
11°	9200.4	9295.8	9358.0	9388.7
13°	9361.3	9523.1	9627.7	9674.8
15°	9586.1	9787.3	9930.2	9986.9
17°	9834.4	10077.8	10225.1	10303.5
19.5°	10149.8	10425.8	10585.6	10642.4
22.5°	10510.5	10853.6	11085.4	11199.0
25.5°	10936.0	11376.6	11657.0	11812.9
29°	11517.0	11835.9	12042.3	12143.5
33°	11711.0	11380.2	11154.5	11077.6
37.5°	10261.8	9108.4	8358.5	8134.0
42.5°	7200.2	6454.0	5924.4	5720.8
47.5°	5173.3	5125.3	5038.6	5076.3
55°	2965.2	2348.3	1743.4	1457.5
65°	525.0	521.4	251.5	232.4
75°	57.3	67.0	41.9	36.1
85°	28.1	30.5	28.7	7.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)