

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: P958809

Luminaire Tested: **NFFLD-C25-D-UNV-33-8040**

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P212882)
Test Lab: INNOVATION CENTER-P2
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C25-D-UNV-33-8040
Description: NIGHT FALCON LED FLOOD LIGHT
Light Source: (8) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

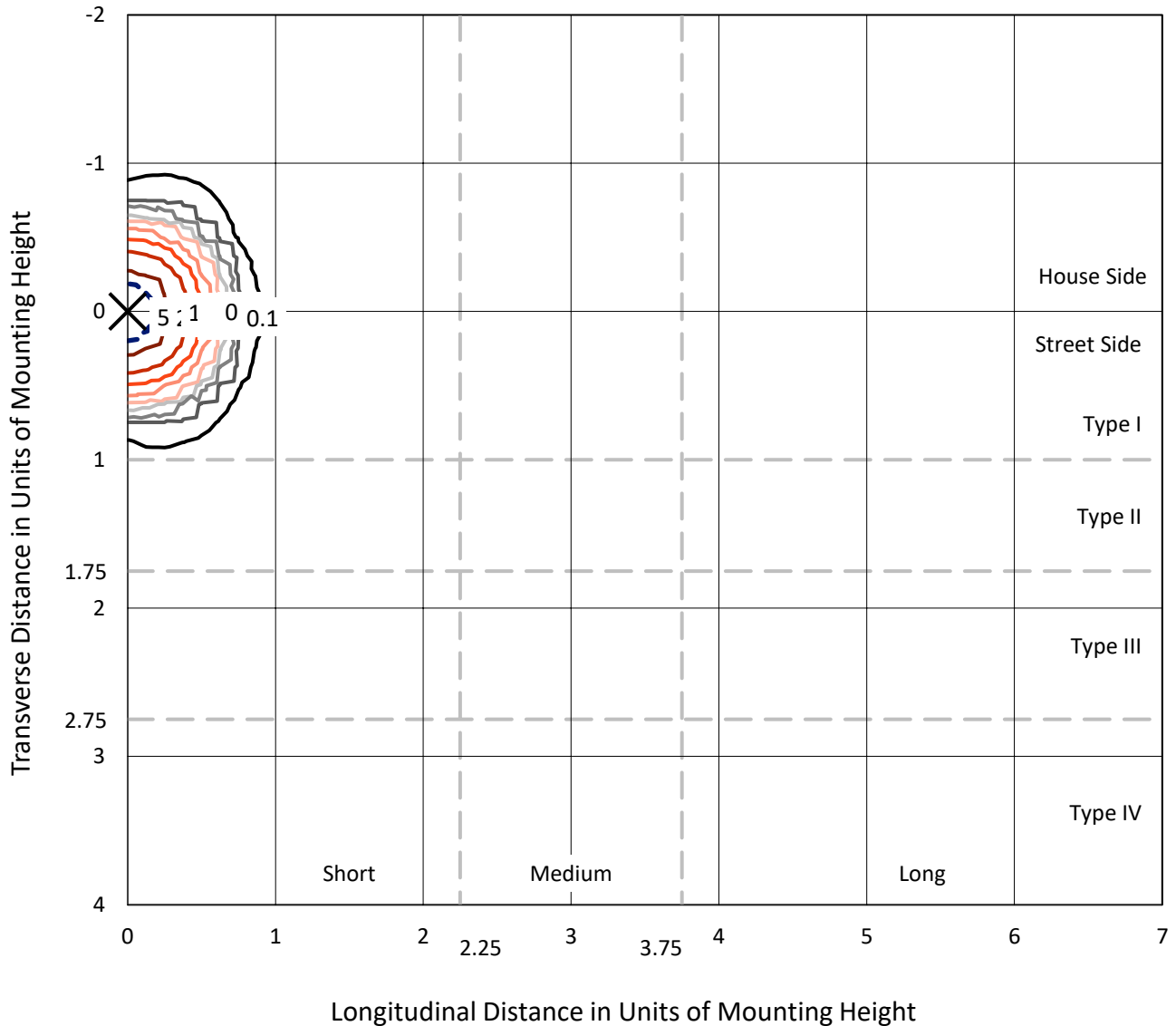
Lumens per Lamp: N/A
Luminaire Lumens: 9612.1 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 93.2
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: 28.75 FT

REPORT NUMBER: P958809
 CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

Iso-Footcandle Lines of Horizontal Illumination

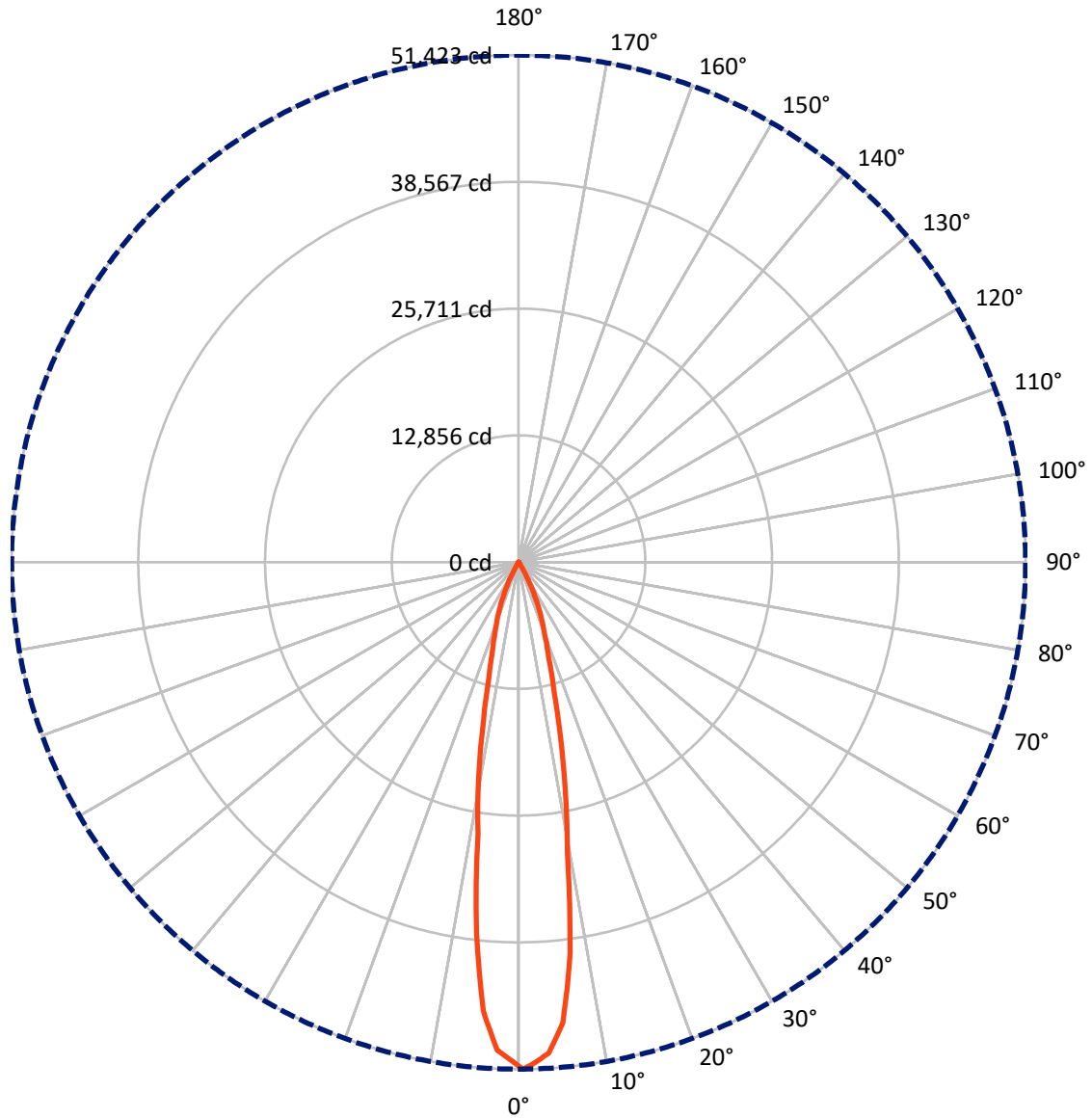
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 228.5 fc
 Type V - Short - N/A

REPORT NUMBER: P958809
CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

Luminous Intensity Polar Plot



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

REPORT NUMBER: P958809
 CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

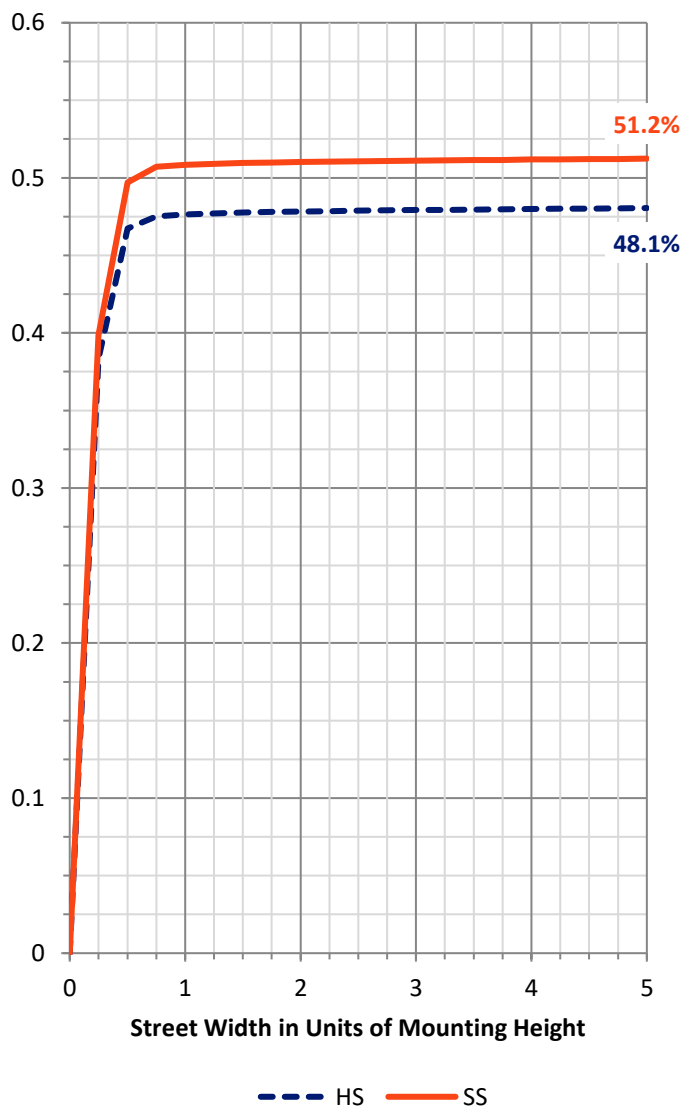
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4696.3	0.0	4696.3
	% Fixture	48.9	0.0	48.9
Street Side	Lumens	4915.7	0.0	4915.7
	% Fixture	51.1	0.0	51.1
Total	Lumens	9612.1	0.0	9612.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3670.3	38.2
10°-20°	3798.4	39.5
20°-30°	1796.4	18.7
30°-40°	333.1	3.5
40°-50°	38.5	0.4
50°-60°	22.8	0.2
60°-70°	19.4	0.2
70°-80°	35.9	0.4
80°-90°	25.3	0.3
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°	9612.1	100.0
0°-180°	9612.1	100.0



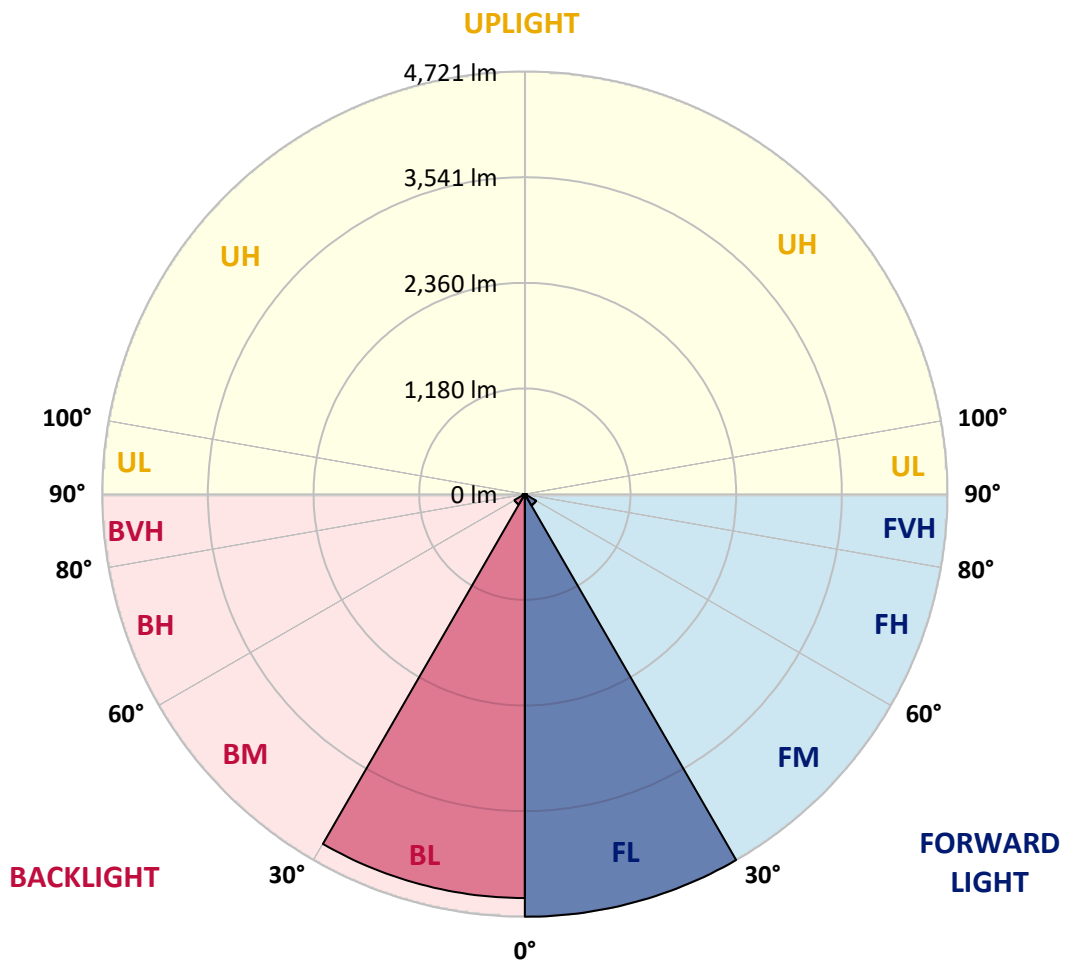
REPORT NUMBER: P958809
 CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4720.7	49.1			
FM (30°-60°)	145.1	1.5			
FH (60°-80°)	24.5	0.3			G0/660
FVH (80°-90°)	24.6	0.3			G1/100
BL (0°-30°)	4511.9	46.9	B4/5000		
BM (30°-60°)	133.3	1.4	B0/220		
BH (60°-80°)	25.3	0.3	B0/110		G0/660
BVH (80°-90°)	25.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P958809
 CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6
1°	50988.1	50988.5	51002.8	51030.8	51072.1	51125.8	51189.9	51262.5	51341.1	51422.6	51298.4
3°	49895.1	49838.5	49826.1	49597.8	49455.7	49405.0	49447.2	49580.4	49555.6	49578.0	49471.0
5°	46921.3	46889.5	46433.5	46225.5	46160.5	46011.1	45828.1	45803.5	46075.7	46097.8	45933.2
7°	40054.2	39986.2	39539.8	39308.6	39298.3	39208.9	38896.0	38783.9	38908.6	38865.2	38460.5
9°	30030.6	30142.2	30508.7	30375.8	30233.7	30334.6	30328.7	30194.5	29668.3	29572.5	29313.7
11°	23706.9	23608.9	23651.0	23499.2	23730.1	23613.0	23446.7	23456.8	23303.5	23216.5	23001.9
13°	18118.0	18064.9	18129.5	18177.4	18131.8	18071.7	18042.6	17949.0	17744.4	17672.7	17416.8
15°	13284.2	13386.5	13452.9	13356.2	13411.4	13366.8	13173.0	13217.5	12941.9	12758.2	12688.9
17°	10184.9	10249.8	10250.0	10210.5	10190.6	10093.8	10068.9	9996.7	9883.2	9728.7	9733.1
19.5°	7646.4	7675.2	7745.9	7738.5	7741.8	7700.4	7623.9	7605.4	7491.2	7569.8	7388.5
22.5°	5566.6	5558.5	5564.0	5647.1	5662.0	5650.3	5613.0	5560.5	5529.1	5713.1	5451.3
25.5°	3503.1	3530.0	3624.4	3757.2	3811.0	3813.2	3789.5	3766.1	3723.3	3687.8	3653.3
29°	1429.5	1501.6	1673.9	1726.7	1817.8	1811.0	1834.4	1858.0	1731.3	1638.4	1666.2
33°	214.3	276.8	434.4	353.7	439.7	432.7	472.5	502.7	382.9	280.1	368.0
37.5°	51.8	70.2	90.0	81.5	82.6	80.7	88.3	79.6	77.8	64.4	77.2
42.5°	49.1	60.5	63.6	65.8	64.1	55.7	53.8	49.3	53.3	57.1	49.5
47.5°	22.1	43.0	44.8	51.3	46.0	42.9	37.8	36.0	39.6	43.7	33.4
55°	2.7	29.4	27.6	26.3	18.4	13.6	9.9	10.6	9.2	8.1	11.9
65°	2.7	29.5	33.2	19.5	15.0	15.2	13.7	12.3	15.4	14.8	14.4
75°	0.0	27.4	23.0	22.8	15.4	20.9	29.0	26.9	37.3	28.9	38.1
85°	2.7	16.0	31.8	72.6	76.2	84.7	85.2	92.3	94.6	101.4	89.6
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: P958809
 CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6
1°	51178.4	51066.6	50966.9	50882.3	50815.5	50768.4	50742.1	50736.8	50742.1	50768.4	50815.5
3°	49404.2	49133.1	48989.7	48983.8	49115.7	49375.5	49423.9	49529.1	49423.9	49375.5	49115.7
5°	45442.5	45237.0	45171.6	45007.6	44889.2	45036.2	45503.3	45628.9	45503.3	45036.2	44889.2
7°	37980.5	37867.7	38015.6	37794.5	37171.3	36988.6	37484.2	37818.7	37484.2	36988.6	37171.3
9°	29445.4	29199.7	28870.2	28696.2	28663.4	28217.2	27862.7	27909.9	27862.7	28217.2	28663.4
11°	22848.0	22607.5	22458.1	22281.3	22224.0	21925.0	21921.6	22167.9	21921.6	21925.0	22224.0
13°	17315.0	17145.9	16957.1	16776.5	16653.6	16530.4	16262.0	16423.9	16262.0	16530.4	16653.6
15°	12718.6	12477.1	12463.5	12348.6	12109.5	12249.1	12017.4	11909.2	12017.4	12249.1	12109.5
17°	9705.7	9624.1	9515.8	9500.7	9446.4	9440.8	9392.1	9304.9	9392.1	9440.8	9446.4
19.5°	7427.6	7369.0	7316.2	7243.6	7203.9	7218.7	7169.6	7110.9	7169.6	7218.7	7203.9
22.5°	5417.4	5410.4	5422.0	5348.4	5319.1	5262.5	5250.3	5214.0	5250.3	5262.5	5319.1
25.5°	3632.9	3583.3	3553.3	3529.0	3437.9	3418.8	3310.2	3259.9	3310.2	3418.8	3437.9
29°	1749.3	1659.1	1598.6	1599.0	1513.0	1533.1	1378.6	1291.0	1378.6	1533.1	1513.0
33°	458.6	404.6	358.3	362.1	284.8	371.1	235.9	158.5	235.9	371.1	284.8
37.5°	80.3	74.3	72.4	74.5	75.5	87.7	74.7	71.2	74.7	87.7	75.5
42.5°	48.5	45.7	54.4	66.0	67.5	66.5	59.5	49.1	59.5	66.5	67.5
47.5°	34.3	29.3	39.8	48.2	56.0	48.1	41.5	27.5	41.5	48.1	56.0
55°	5.2	9.4	15.6	25.3	25.3	31.6	28.2	8.1	28.2	31.6	25.3
65°	9.3	11.6	20.6	17.3	23.0	28.8	29.4	2.7	29.4	28.8	23.0
75°	24.4	27.9	28.4	17.5	27.9	20.5	28.9	0.0	28.9	20.5	27.9
85°	92.4	86.4	86.7	80.9	68.0	37.7	28.5	0.0	28.5	37.7	68.0
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: P958809
 CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6	51422.6
1°	50882.3	50966.9	51066.6	51178.4	51298.4	51422.6	51341.1	51262.5	51189.9	51125.8	51072.1
3°	48983.8	48989.7	49133.1	49404.2	49471.0	49578.0	49555.6	49580.4	49447.2	49405.0	49455.7
5°	45007.6	45171.6	45237.0	45442.5	45933.2	46097.8	46075.7	45803.5	45828.1	46011.1	46160.5
7°	37794.5	38015.6	37867.7	37980.5	38460.5	38865.2	38908.6	38783.9	38896.0	39208.9	39298.3
9°	28696.2	28870.2	29199.7	29445.4	29313.7	29572.5	29668.3	30194.5	30328.7	30334.6	30233.7
11°	22281.3	22458.1	22607.5	22848.0	23001.9	23216.5	23303.5	23456.8	23446.7	23613.0	23730.1
13°	16776.5	16957.1	17145.9	17315.0	17416.8	17672.7	17744.4	17949.0	18042.6	18071.7	18131.8
15°	12348.6	12463.5	12477.1	12718.6	12688.9	12758.2	12941.9	13217.5	13173.0	13366.8	13411.4
17°	9500.7	9515.8	9624.1	9705.7	9733.1	9728.7	9883.2	9996.7	10068.9	10093.8	10190.6
19.5°	7243.6	7316.2	7369.0	7427.6	7388.5	7569.8	7491.2	7605.4	7623.9	7700.4	7741.8
22.5°	5348.4	5422.0	5410.4	5417.4	5451.3	5713.1	5529.1	5560.5	5613.0	5650.3	5662.0
25.5°	3529.0	3553.3	3583.3	3632.9	3653.3	3687.8	3723.3	3766.1	3789.5	3813.2	3811.0
29°	1599.0	1598.6	1659.1	1749.3	1666.2	1638.4	1731.3	1858.0	1834.4	1811.0	1817.8
33°	362.1	358.3	404.6	458.6	368.0	280.1	382.9	502.7	472.5	432.7	439.7
37.5°	74.5	72.4	74.3	80.3	77.2	64.4	77.8	79.6	88.3	80.7	82.6
42.5°	66.0	54.4	45.7	48.5	49.5	57.1	53.3	49.3	53.8	55.7	64.1
47.5°	48.2	39.8	29.3	34.3	33.4	43.7	39.6	36.0	37.8	42.9	46.0
55°	25.3	15.6	9.4	5.2	11.9	8.1	9.2	10.6	9.9	13.6	18.4
65°	17.3	20.6	11.6	9.3	14.4	14.8	15.4	12.3	13.7	15.2	15.0
75°	17.5	28.4	27.9	24.4	38.1	28.9	37.3	26.9	29.0	20.9	15.4
85°	80.9	86.7	86.4	92.4	89.6	101.4	94.6	92.3	85.2	84.7	76.2
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: P958809
CATALOG NUMBER: NFFLD-C25-D-UNV-33-8040

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	51422.6	51422.6	51422.6	51422.6
1°	51030.8	51002.8	50988.5	50988.1
3°	49597.8	49826.1	49838.5	49895.1
5°	46225.5	46433.5	46889.5	46921.3
7°	39308.6	39539.8	39986.2	40054.2
9°	30375.8	30508.7	30142.2	30030.6
11°	23499.2	23651.0	23608.9	23706.9
13°	18177.4	18129.5	18064.9	18118.0
15°	13356.2	13452.9	13386.5	13284.2
17°	10210.5	10250.0	10249.8	10184.9
19.5°	7738.5	7745.9	7675.2	7646.4
22.5°	5647.1	5564.0	5558.5	5566.6
25.5°	3757.2	3624.4	3530.0	3503.1
29°	1726.7	1673.9	1501.6	1429.5
33°	353.7	434.4	276.8	214.3
37.5°	81.5	90.0	70.2	51.8
42.5°	65.8	63.6	60.5	49.1
47.5°	51.3	44.8	43.0	22.1
55°	26.3	27.6	29.4	2.7
65°	19.5	33.2	29.5	2.7
75°	22.8	23.0	27.4	0.0
85°	72.6	31.8	16.0	2.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)