

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: P958826

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

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393782)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C70-D-UNV-66-WG-8040
Description: FLOODLIGHT WITH WIRE GUARD
Light Source: (2) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

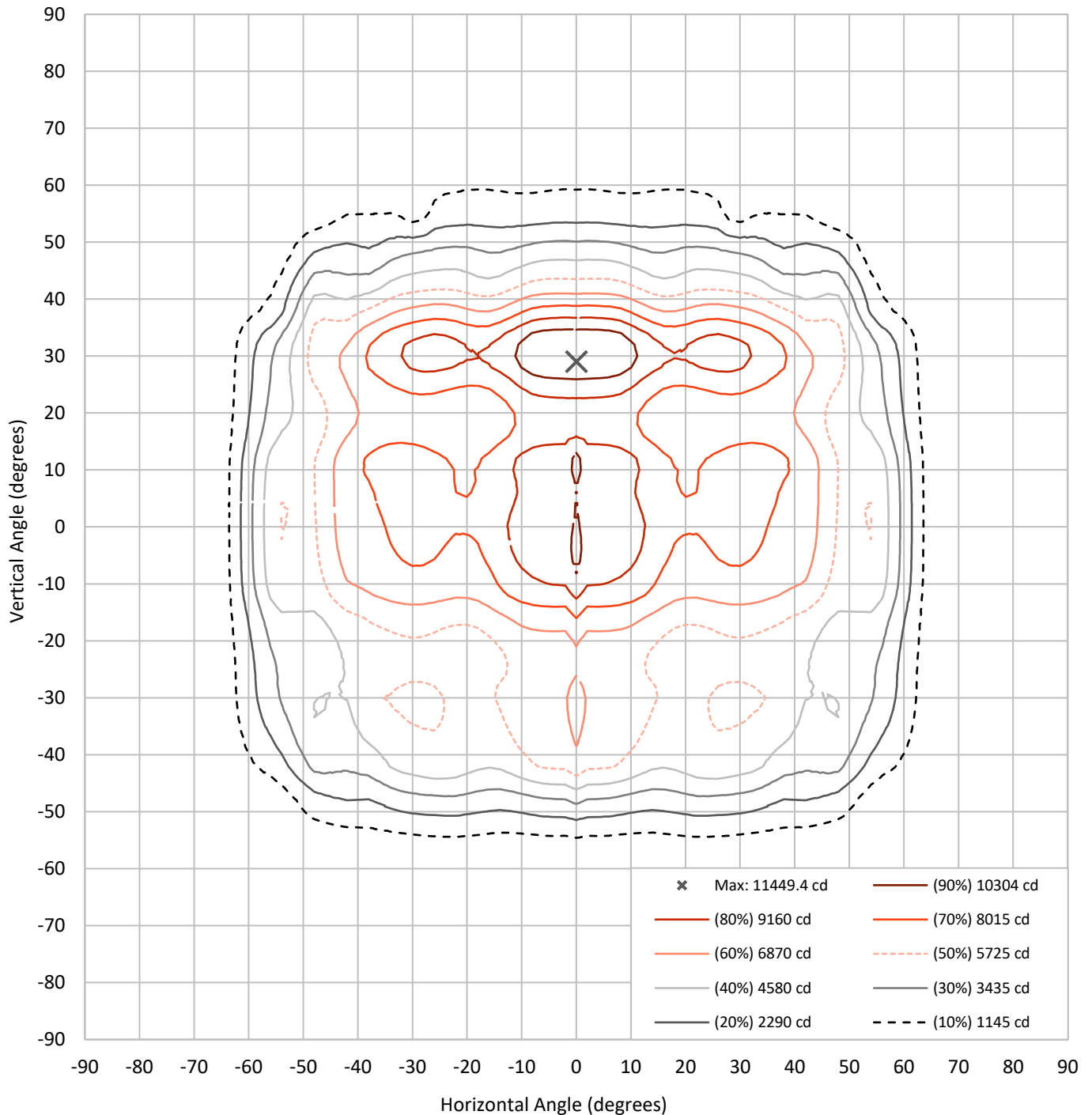
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	20413.5 lumens	Max Intensity:	11449.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	110.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.3' x L: 0.62' x H: 0')		
Beam Angle (50%):	98.6°H x 87.2°V	Field Angle (10%):	125°H x 113.5°V
Beam Lumens:	13523.1 lumens	Field Lumens:	19544.7 lumens
Beam Efficiency:	66.2%	Field Efficiency:	95.7%

Input Watts (W): 184
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: P958826
CATALOG NUMBER: NFFLD-C70-D-UNV-66-WG-8040

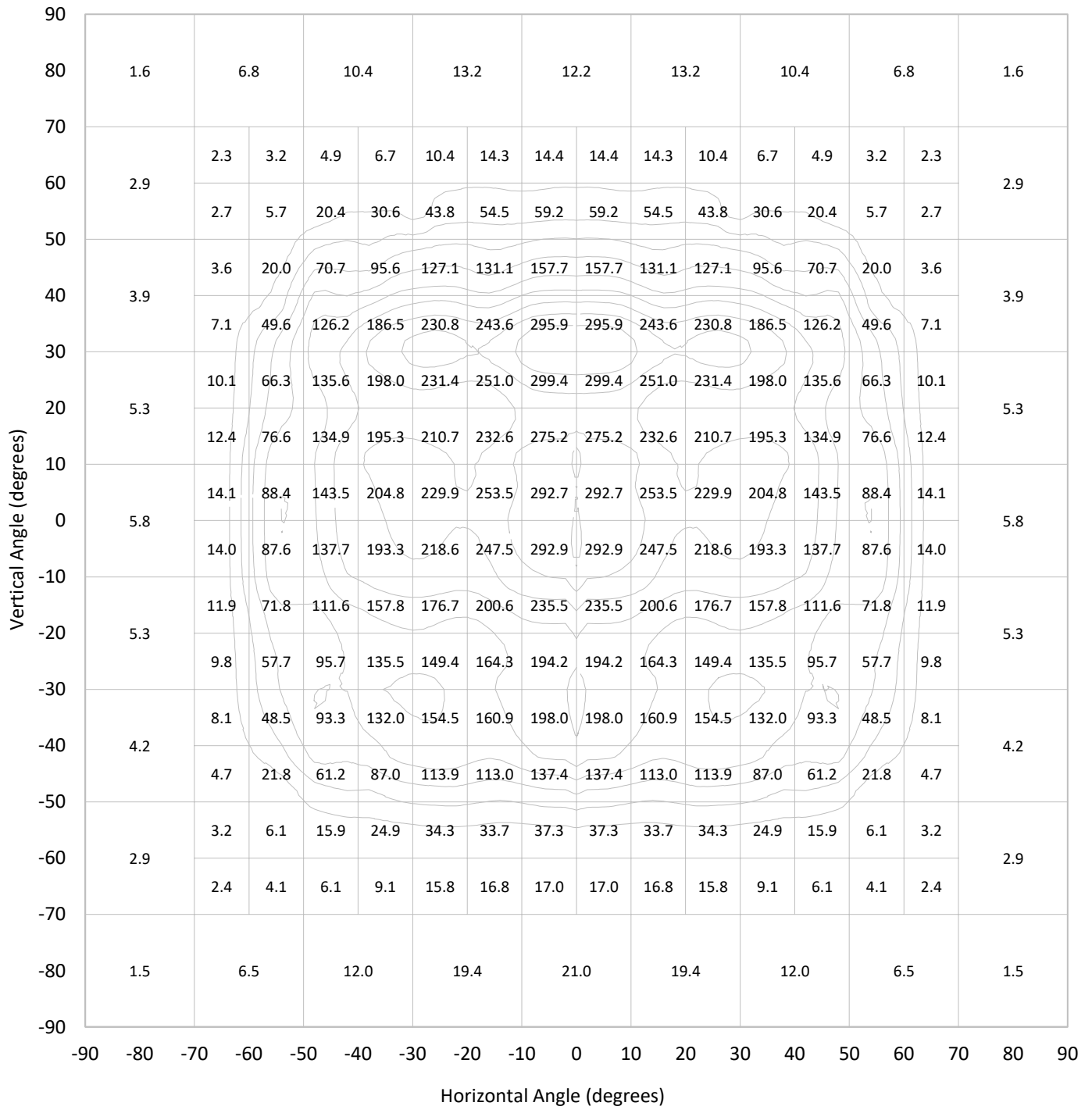
Iso-Candela Plot





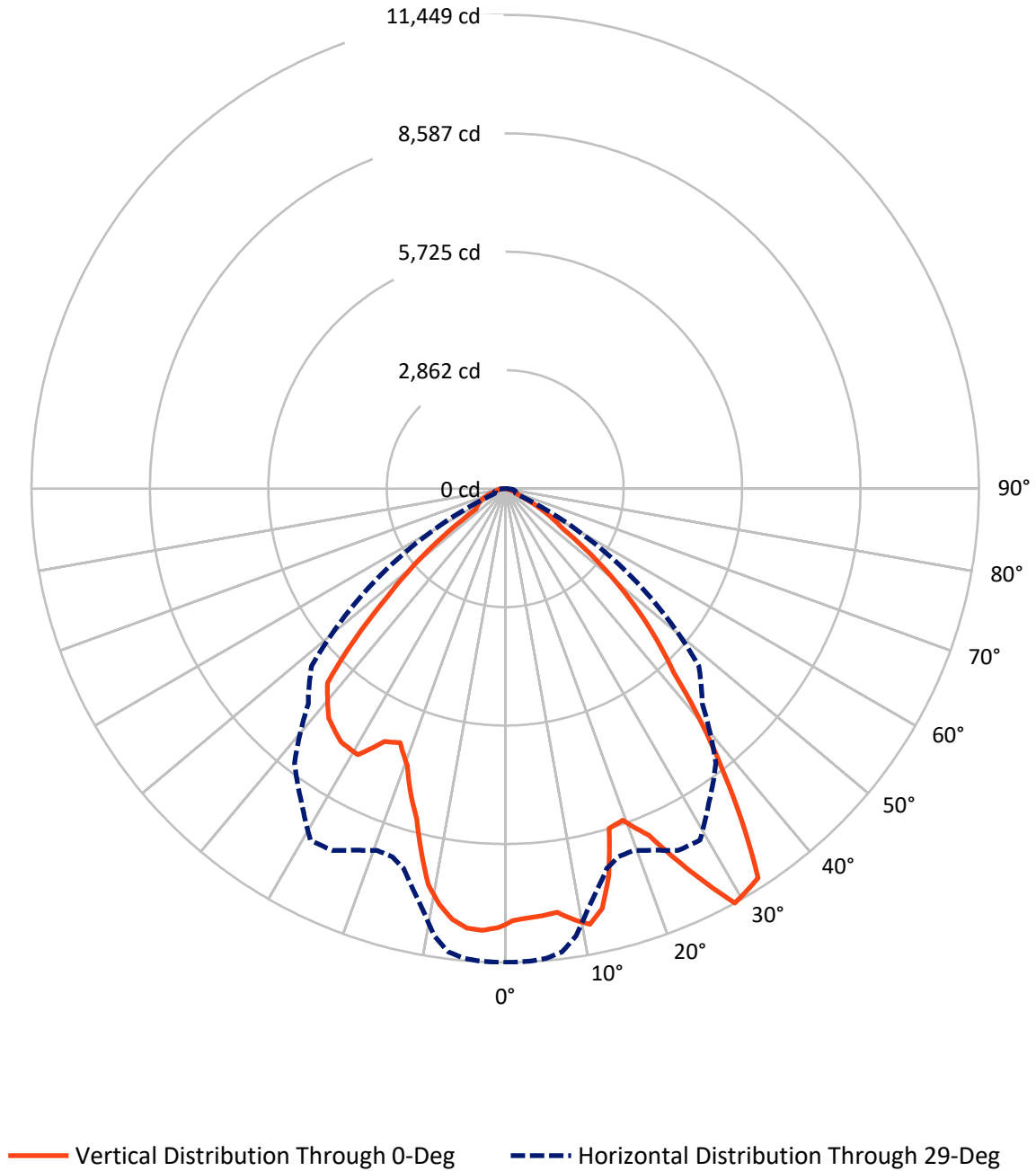
REPORT NUMBER: P958826
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-WG-8040

Lumen Table



REPORT NUMBER: P958826
CATALOG NUMBER: NFFLD-C70-D-UNV-66-WG-8040

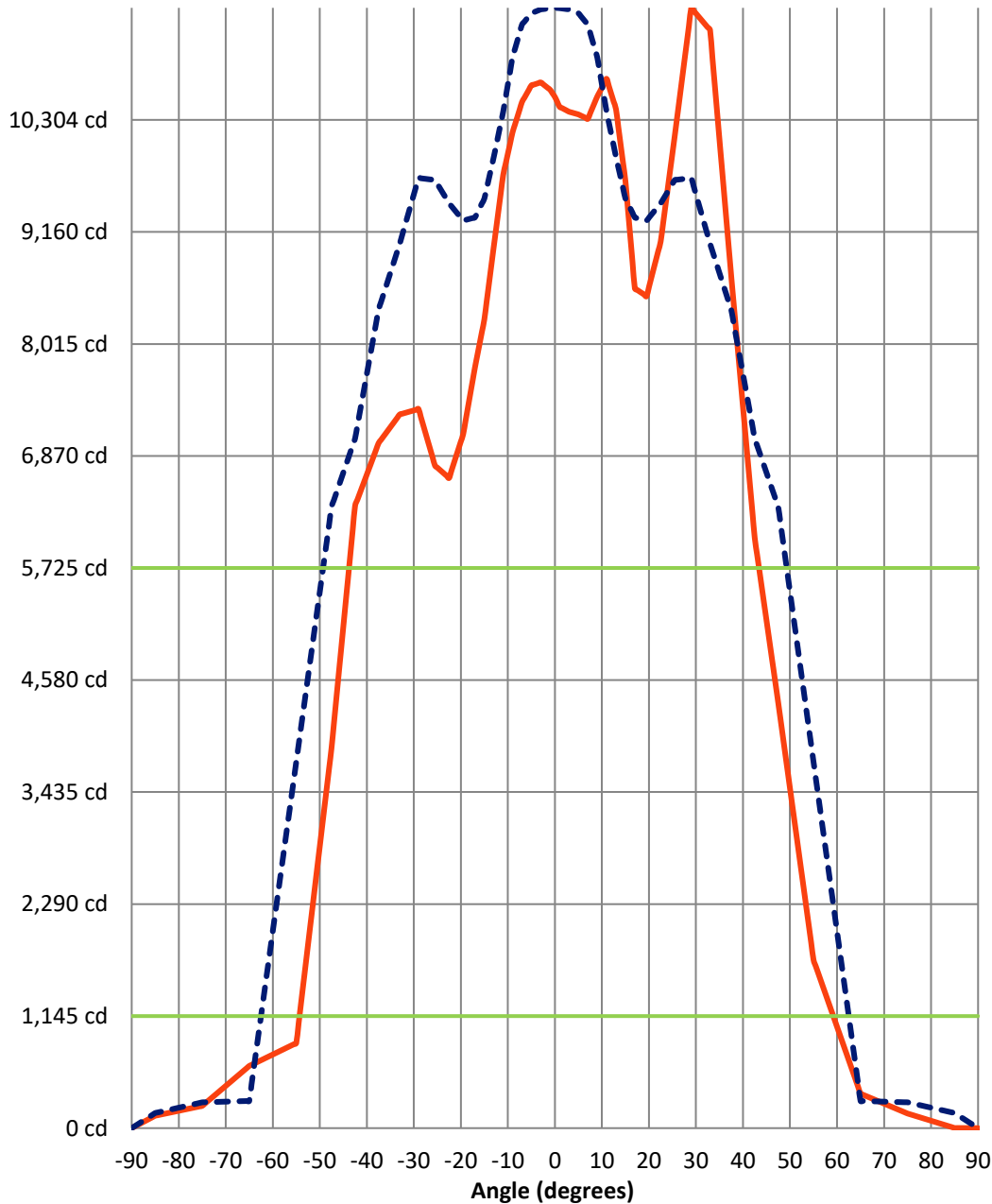
Luminous Intensity Polar Plot





REPORT NUMBER: P958826
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-WG-8040

Luminous Intensity Plot



Beam:
 H Angle: 98.6°
 V Angle: 87.2°
 Lumens: 13523.1
 Efficiency: 66.2%

Field:
 H Angle: 125°
 V Angle: 113.5°
 Lumens: 19544.7
 Efficiency: 95.7%

Spill:
 Lumens: 868.9
 Efficiency: 4.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 29-Deg



REPORT NUMBER: P958826
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-WG-8040

FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	8.0	40.3	49.7	53.1	59.5	72.3	81.8	93.1	102.8	109.3
75°	149.3	149.3	149.3	149.3	144.7	141.6	144.7	136.5	138.2	136.5	130.2
65°	351.9	351.9	342.4	322.9	305.3	308.5	319.8	337.4	372.9	350.4	345.4
55°	1721.0	1738.7	1745.1	1711.3	1632.7	1613.5	1598.7	1621.4	1711.3	1714.5	1750.0
47.5°	4346.9	4396.6	4391.7	4354.9	4317.9	4075.1	3917.6	3665.4	3554.6	3646.3	3881.0
42.5°	6032.4	6053.2	6059.9	6061.4	6030.8	5796.4	5542.4	5143.7	4870.5	4793.5	5079.6
37.5°	8707.8	8764.2	8770.8	8653.3	8613.0	8343.2	7849.7	7448.2	7052.9	6951.6	7126.9
33°	11221.3	11221.3	11216.5	11168.2	11083.1	10703.7	10104.4	9661.0	9162.9	8902.5	8985.9
29°	11449.4	11446.1	11433.3	11395.0	11277.5	10944.9	10387.3	9924.5	9500.3	9307.3	9275.3
25.5°	10144.7	10130.3	10101.3	10056.2	9974.2	9709.1	9241.5	8826.9	8415.5	8208.3	8177.7
22.5°	9061.7	9053.4	9058.2	8997.2	8958.6	8786.6	8431.7	8060.5	7702.1	7454.7	7355.0
19.5°	8502.3	8508.6	8515.1	8500.9	8465.4	8335.2	8012.2	7649.0	7325.9	7064.0	6948.4
17°	8582.6	8589.1	8586.1	8577.8	8540.9	8394.6	8079.5	7727.7	7406.4	7107.4	6962.9
15°	9679.7	8976.5	8966.8	8942.5	8897.6	8729.0	8404.2	8025.1	7719.7	7364.7	7216.6
13°	10412.1	9651.2	9641.6	9604.7	9537.0	9373.2	9051.9	8622.9	8294.9	7864.4	7673.2
11°	10724.4	9932.5	9929.1	9892.2	9828.0	9678.6	9329.8	8899.3	8563.4	8132.6	7901.3
9°	10542.3	9776.4	9767.1	9736.4	9693.0	9562.8	9235.0	8841.4	8533.0	8132.6	7938.2
7°	10315.0	9561.3	9557.9	9543.7	9508.3	9402.1	9112.8	8735.3	8478.2	8087.8	7917.5
5°	10360.0	9606.1	9604.7	9598.2	9561.3	9453.7	9183.6	8818.8	8606.7	8214.6	8023.3
3°	10387.9	9630.5	9643.3	9635.1	9619.2	9551.7	9310.7	8977.9	8765.9	8349.5	8111.9
1°	10438.4	9681.9	9702.6	9698.1	9704.3	9644.8	9411.8	9045.4	8796.4	8352.8	8184.2
0°	10538.7	9768.5	9790.9	9778.1	9765.3	9702.6	9445.6	9069.5	8786.6	8330.4	8193.9
-1°	10611.6	9832.9	9832.9	9813.6	9781.2	9707.4	9434.5	9047.1	8738.7	8253.2	8031.6
-3°	10687.9	9905.2	9874.6	9813.6	9768.5	9675.4	9389.4	8976.5	8637.4	8118.3	7835.4
-5°	10656.9	9874.6	9861.8	9762.2	9689.8	9590.0	9294.5	8873.5	8512.0	7991.3	7700.4
-7°	10486.6	9723.4	9677.1	9609.6	9485.9	9368.3	9055.1	8626.1	8251.5	7772.8	7514.0
-9°	10178.0	9458.3	9395.8	9344.3	9188.4	9053.4	8748.3	8356.1	8010.5	7578.4	7335.5
-11°	9740.7	9053.4	9029.5	9027.6	8912.1	8801.4	8534.4	8166.4	7833.8	7414.4	7167.0
-13°	9008.3	8388.3	8377.2	8431.7	8328.7	8261.1	8005.7	7698.9	7404.8	6991.6	6797.5
-15°	8265.5	7613.8	7613.8	7639.4	7570.2	7499.5	7261.7	6999.8	6715.3	6360.2	6180.3
-17°	7774.3	7173.4	7176.6	7189.6	7129.8	7062.5	6844.0	6577.0	6265.4	5931.2	5731.9
-19.5°	7092.2	6561.1	6564.2	6598.0	6566.0	6522.6	6325.0	6071.0	5789.8	5495.6	5315.7
-22.5°	6644.5	6159.3	6180.3	6175.5	6161.0	6124.1	5936.0	5714.2	5434.6	5182.4	5000.8
-25.5°	6771.3	6263.7	6275.1	6247.6	6225.1	6120.8	5879.8	5667.8	5362.5	5172.7	5039.3
-29°	7349.3	6798.9	6805.5	6786.1	6768.5	6625.5	6329.9	6090.4	5720.8	5545.5	5410.5
-33°	7293.8	6752.4	6754.1	6739.6	6697.7	6506.6	6170.7	5850.8	5479.7	5281.9	5259.5
-37.5°	7000.3	6477.5	6480.8	6459.9	6392.3	6157.9	5823.3	5453.9	5159.9	5048.9	5150.2
-42.5°	6358.3	5868.4	5860.5	5815.7	5720.8	5412.2	5102.0	4748.4	4594.1	4608.8	4851.4
-47.5°	3885.3	3562.6	3527.1	3498.4	3417.9	3188.0	3085.3	2926.2	2932.6	3017.8	3165.6
-55°	869.4	813.0	838.8	843.6	824.3	798.8	760.0	747.2	772.9	858.1	882.2
-65°	635.2	594.5	605.8	583.2	543.1	536.6	557.6	597.8	610.7	602.7	616.9
-75°	227.4	213.7	218.5	212.2	199.5	210.6	217.1	207.1	204.0	200.9	204.0
-85°	126.6	118.9	118.9	114.4	120.6	117.2	112.4	115.8	118.9	128.5	125.4
-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: P958826
 CATALOG NUMBER: NFFLD-C70-D-UNV-66-WG-8040

CANDELA DISTRIBUTION (continued):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	114.4	110.9	97.9	91.7	97.9	110.9	112.4	106.1	88.5	65.8	49.7
75°	126.9	133.3	139.6	144.7	149.3	139.6	141.6	152.7	149.3	120.6	67.5
65°	326.3	245.8	191.2	175.1	165.5	165.5	162.3	183.3	178.4	147.9	85.1
55°	1611.8	1579.7	350.4	1062.1	1081.4	1041.1	302.0	252.2	210.6	164.0	104.5
47.5°	3972.4	3882.4	3729.7	3385.8	2526.0	2873.1	2658.0	332.6	217.1	181.6	118.9
42.5°	5389.5	5351.2	5235.4	4984.6	3982.0	3758.7	4280.8	1038.2	215.4	200.9	128.5
37.5°	7475.7	7625.0	7403.1	7007.8	6156.2	5241.9	5704.7	1587.6	226.7	223.4	138.2
33°	9411.8	9593.4	9407.0	8910.4	8010.5	6622.1	6284.8	3299.0	253.9	245.8	146.4
29°	9451.9	9689.8	9710.6	9039.0	8364.1	7048.1	6348.8	3744.2	277.8	263.6	154.4
25.5°	8359.3	8593.7	8611.6	8253.2	7681.2	6810.3	5940.8	3808.4	298.8	277.8	158.9
22.5°	7467.4	7705.2	7819.3	7608.8	7293.8	6590.1	5447.7	3964.4	321.5	289.2	164.0
19.5°	7022.2	7248.9	7443.4	7350.2	7157.3	6501.5	5209.6	4171.5	345.4	297.3	168.8
17°	6993.5	7228.0	7480.2	7525.3	7330.7	6638.3	5249.9	4406.3	364.9	302.0	172.0
15°	7231.3	7499.5	7800.1	7915.8	7669.8	6924.4	5392.8	4729.5	371.1	307.0	173.6
13°	7706.7	8071.6	8434.8	8553.7	8124.6	7355.0	5635.7	5164.8	376.0	313.3	175.1
11°	7964.1	8383.4	8789.8	8801.4	8262.9	7575.1	5744.7	5452.2	377.4	321.5	176.8
9°	8007.4	8401.0	8749.8	8674.3	8140.8	7578.4	5722.3	5592.1	379.4	327.7	178.4
7°	7970.3	8344.8	8606.7	8503.7	7973.7	7555.7	5682.0	5659.6	379.4	332.6	178.4
5°	8081.2	8455.8	8661.5	8478.2	7923.8	7568.8	5686.8	5723.8	376.0	335.7	179.9
3°	8145.7	8507.2	8666.1	8394.6	7848.2	7541.5	5669.2	5751.3	372.9	334.3	179.9
1°	8164.9	8473.4	8598.8	8288.6	7758.3	7493.3	5629.0	5754.3	367.8	327.7	179.9
0°	8123.2	8431.7	8548.8	8245.2	7719.7	7467.4	5613.0	5754.3	377.4	324.7	179.9
-1°	8023.3	8367.5	8499.2	8209.8	7687.7	7443.4	5600.3	5754.3	371.1	319.8	179.9
-3°	7842.0	8216.3	8383.4	8134.3	7608.8	7371.0	5575.9	5741.6	371.1	313.3	179.9
-5°	7705.2	8065.1	8241.9	8018.8	7506.1	7248.9	5519.7	5706.2	369.8	310.1	178.4
-7°	7523.7	7848.2	8052.3	7870.7	7385.4	7089.7	5434.6	5637.2	364.9	310.1	178.4
-9°	7332.6	7621.5	7836.9	7681.2	7231.3	6887.4	5341.5	5540.7	361.5	310.1	176.8
-11°	7155.6	7408.1	7607.4	7462.6	7048.1	6647.9	5198.5	5354.3	356.7	307.0	175.1
-13°	6790.9	6967.8	7141.1	7015.9	6609.3	6191.6	4915.6	4995.9	351.9	303.6	173.6
-15°	6170.7	6315.3	6453.3	6363.6	6032.4	5569.6	4514.1	4550.7	347.1	298.8	170.3
-17°	5725.5	5898.9	6037.3	5945.7	5678.9	5156.8	4226.4	4221.3	343.9	294.0	168.8
-19.5°	5357.5	5577.9	5739.9	5642.0	5426.6	4830.5	4002.7	3935.5	339.1	290.9	165.5
-22.5°	5036.1	5261.2	5417.0	5359.1	5243.6	4621.6	3982.0	3663.9	327.7	287.7	160.7
-25.5°	5131.0	5344.7	5478.0	5436.3	5273.9	4533.3	4179.5	3493.4	318.1	284.6	157.5
-29°	5553.5	5846.0	6058.1	5788.1	5728.6	4581.3	4631.3	3430.9	310.1	277.8	150.9
-33°	5569.6	5857.1	5905.6	5709.5	5566.6	4213.3	4719.5	3064.6	303.6	265.3	144.7
-37.5°	5470.1	5643.4	5566.6	5323.7	4755.0	3928.9	4597.5	2394.2	292.3	244.3	136.5
-42.5°	5148.6	5288.5	5042.7	4783.9	3811.8	3517.5	3793.9	1526.6	286.0	218.5	126.9
-47.5°	3381.3	3291.1	3223.5	2969.6	2355.7	2416.8	2039.3	356.7	274.9	187.9	118.9
-55°	893.3	883.9	861.3	745.7	654.0	580.0	380.8	282.6	261.9	162.3	106.1
-65°	623.7	597.8	530.3	339.1	298.8	250.6	281.2	237.8	178.4	139.6	88.5
-75°	210.6	199.5	172.0	167.1	157.5	167.1	176.8	146.4	125.4	109.3	70.7
-85°	130.2	123.7	99.6	88.5	96.5	107.6	107.6	97.9	75.5	61.0	51.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)