

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: P958822

Luminaire Tested: **NFFLD-C55-D-UNV-66-WG-8040**

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393770)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C55-D-UNV-66-WG-8040
Description: FLOODLIGHT WITH WIRE GUARD
Light Source: (2) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

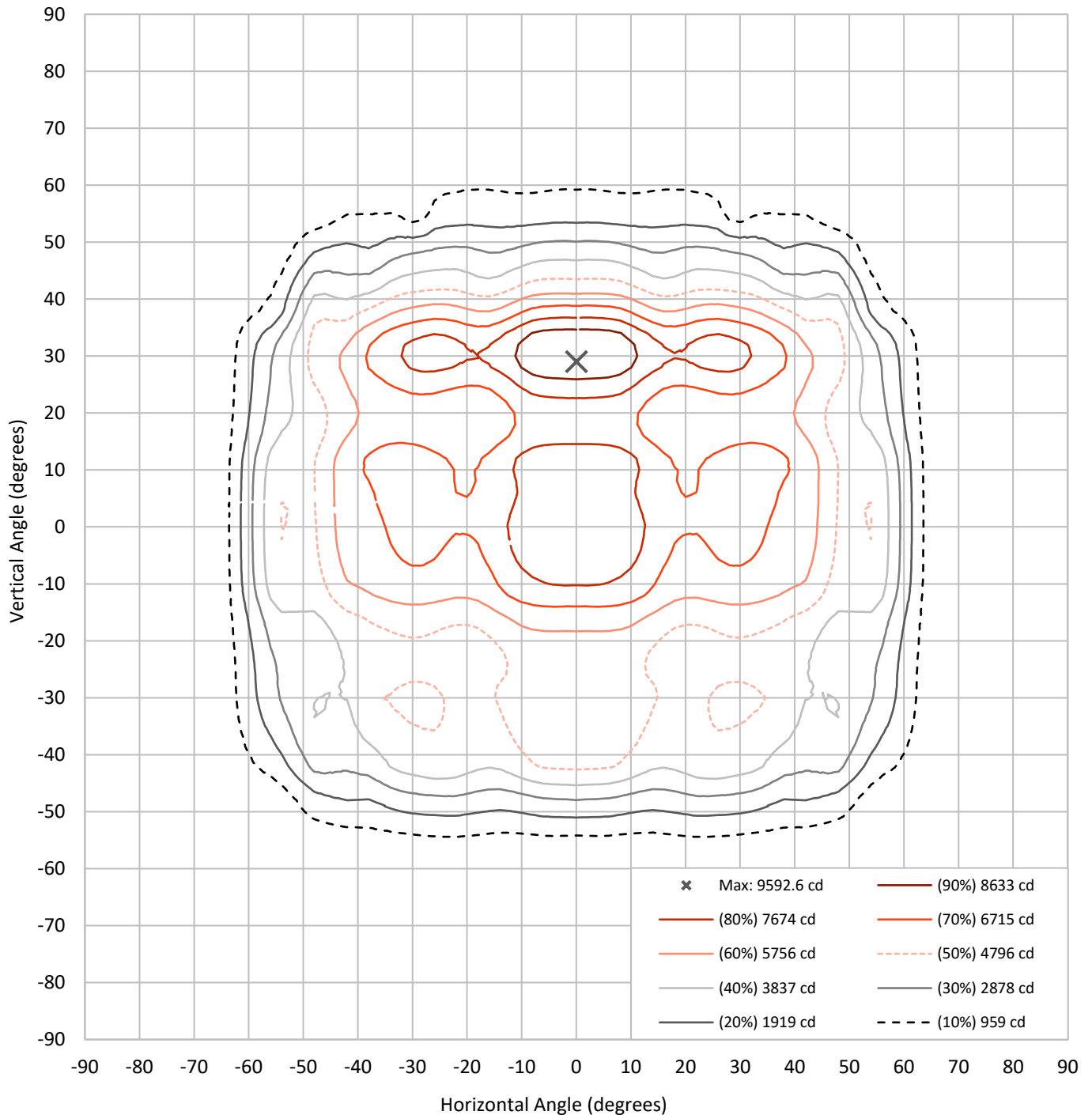
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17092.1 lumens	Max Intensity:	9592.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	117.9 lumens/watt		
Luminous Opening:	(L: 1.33 ' x W: 0 ' x H: 0.67 ')		
Beam Angle (50%):	98.6°H x 86.3°V	Field Angle (10%):	125°H x 113.3°V
Beam Lumens:	11320.2 lumens	Field Lumens:	16364.4 lumens
Beam Efficiency:	66.2%	Field Efficiency:	95.7%

Input Watts (W): 145
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

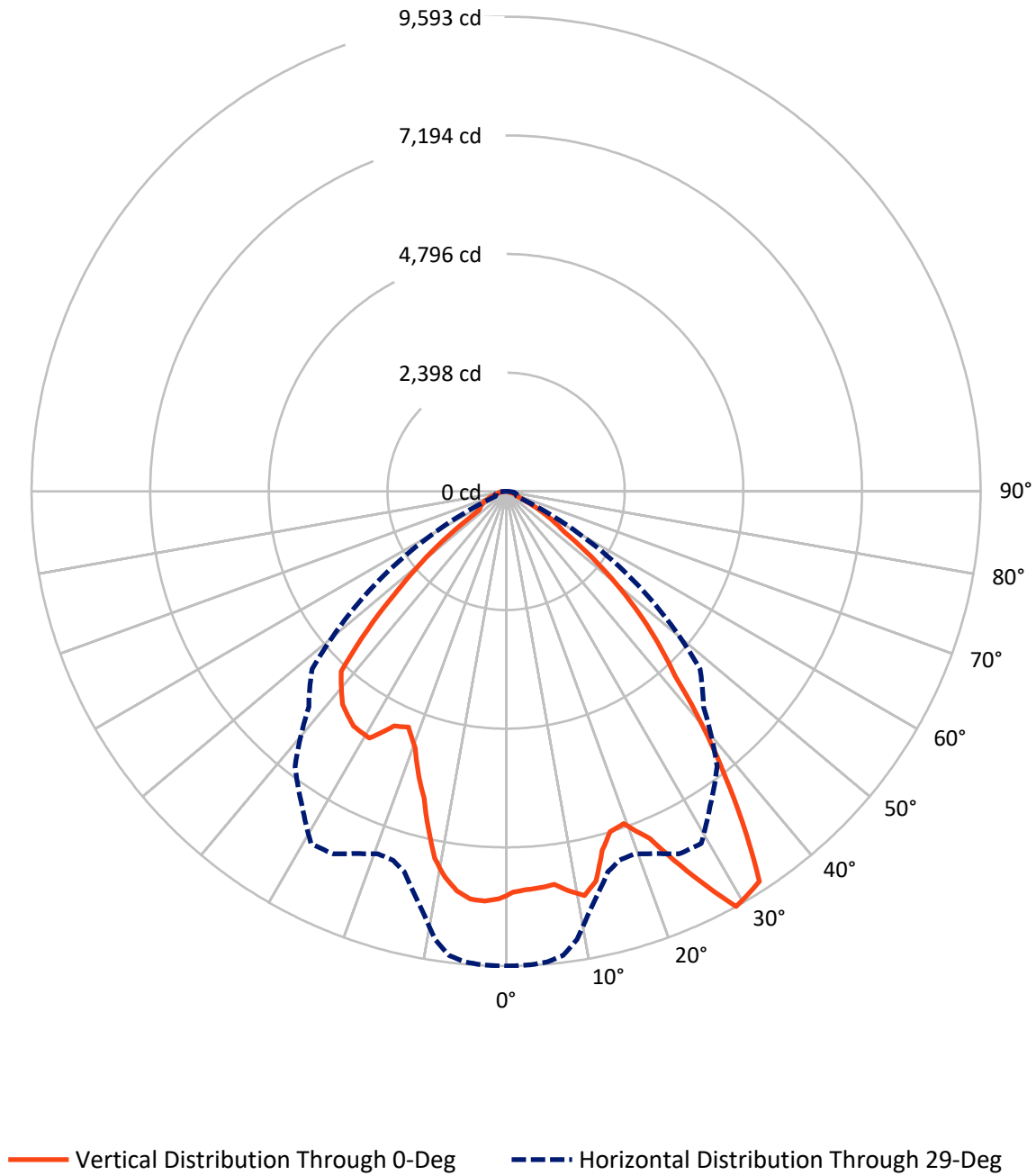
REPORT NUMBER: P958822
CATALOG NUMBER: NFFLD-C55-D-UNV-66-WG-8040

Iso-Candela Plot



REPORT NUMBER: P958822
CATALOG NUMBER: NFFLD-C55-D-UNV-66-WG-8040

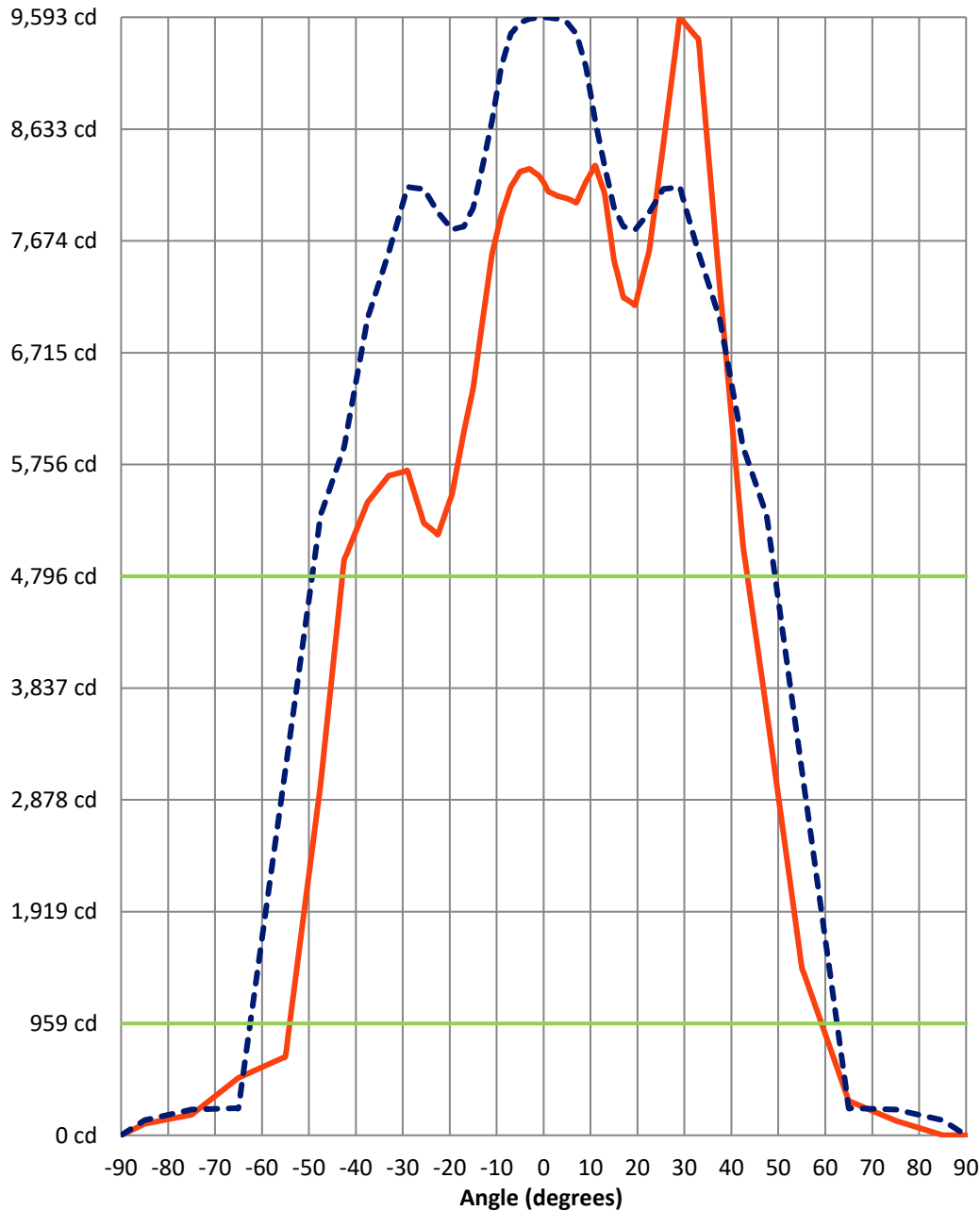
Luminous Intensity Polar Plot





REPORT NUMBER: P958822
 CATALOG NUMBER: NFFLD-C55-D-UNV-66-WG-8040

Luminous Intensity Plot



Beam:
 H Angle: 98.6°
 V Angle: 86.3°
 Lumens: 11320.2
 Efficiency: 66.2%

Field:
 H Angle: 125°
 V Angle: 113.3°
 Lumens: 16364.4
 Efficiency: 95.7%

Spill:
 Lumens: 727.7
 Efficiency: 4.3%

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



REPORT NUMBER: P958822
 CATALOG NUMBER: NFFLD-C55-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°	1.4	6.7	33.7	41.7	44.4	49.9	60.7	68.5	78.0	86.1	91.5
75°	125.1	125.1	125.1	125.1	121.2	118.6	121.2	114.4	115.8	114.4	109.1
65°	294.8	294.8	287.0	270.6	255.9	258.4	267.9	282.7	312.3	293.6	289.4
55°	1441.9	1456.7	1462.1	1433.8	1368.0	1351.8	1339.5	1358.4	1433.8	1436.4	1466.1
47.5°	3642.0	3683.5	3679.5	3648.6	3617.7	3414.2	3282.3	3070.9	2978.2	3055.0	3251.6
42.5°	5054.1	5071.5	5077.2	5078.4	5052.7	4856.3	4643.5	4309.5	4080.6	4016.2	4255.8
37.5°	7295.6	7342.8	7348.3	7249.9	7216.1	6990.1	6576.6	6240.2	5909.0	5824.2	5971.0
33°	9401.4	9401.4	9397.4	9357.0	9285.7	8967.8	8465.7	8094.1	7676.8	7458.7	7528.6
29°	9592.6	9589.7	9579.0	9546.9	9448.5	9169.9	8702.7	8314.9	7959.5	7797.8	7771.0
25.5°	8499.5	8487.3	8463.1	8425.3	8356.6	8134.5	7742.7	7395.4	7050.7	6877.1	6851.5
22.5°	7592.0	7585.1	7589.1	7538.0	7505.7	7361.6	7064.2	6753.2	6453.0	6245.7	6162.3
19.5°	7123.4	7128.6	7134.1	7122.2	7092.5	6983.4	6712.9	6408.6	6137.8	5918.3	5821.6
17°	7190.7	7196.1	7193.5	7186.7	7155.8	7033.1	6769.2	6474.4	6205.2	5954.7	5833.7
15°	7509.8	7520.7	7512.5	7492.2	7454.6	7313.4	7041.2	6723.5	6467.7	6170.3	6046.2
13°	8078.0	8086.0	8078.0	8047.0	7990.3	7853.0	7583.9	7224.5	6949.6	6589.0	6428.8
11°	8320.2	8321.6	8318.8	8287.9	8234.2	8108.9	7816.6	7456.0	7174.6	6813.7	6619.9
9°	8179.0	8190.9	8183.0	8157.3	8121.0	8011.8	7737.3	7407.5	7149.1	6813.7	6650.8
7°	8002.6	8010.6	8007.9	7995.9	7966.2	7877.3	7634.9	7318.6	7103.2	6776.1	6633.4
5°	8037.5	8048.2	8047.0	8041.6	8010.6	7920.5	7694.2	7388.6	7210.9	6882.3	6722.1
3°	8059.2	8068.6	8079.4	8072.5	8059.2	8002.6	7800.7	7521.9	7344.3	6995.3	6796.3
1°	8098.3	8111.7	8129.1	8125.2	8130.5	8080.6	7885.4	7578.5	7369.8	6998.2	6856.9
0°	8176.1	8184.3	8203.0	8192.3	8181.6	8129.1	7913.7	7598.7	7361.6	6979.4	6865.0
-1°	8232.7	8238.2	8238.2	8222.0	8194.9	8133.2	7904.3	7579.9	7321.4	6914.7	6729.0
-3°	8292.0	8298.8	8273.2	8222.0	8184.3	8106.2	7866.6	7520.7	7236.6	6801.7	6564.7
-5°	8267.9	8273.2	8262.4	8179.0	8118.3	8034.7	7787.2	7434.4	7131.5	6695.3	6451.5
-7°	8135.7	8146.5	8107.7	8051.1	7947.4	7849.1	7586.5	7227.1	6913.2	6512.2	6295.4
-9°	7896.3	7924.3	7872.0	7828.8	7698.3	7585.1	7329.5	7000.9	6711.4	6349.3	6145.9
-11°	7557.0	7585.1	7565.1	7563.5	7466.7	7373.9	7150.3	6841.9	6563.3	6211.9	6004.6
-13°	6988.8	7027.9	7018.5	7064.2	6978.0	6921.4	6707.4	6450.3	6203.8	5857.7	5695.1
-15°	6412.6	6379.0	6379.0	6400.4	6342.5	6283.3	6084.0	5864.5	5626.2	5328.8	5178.0
-17°	6031.5	6010.0	6012.7	6023.6	5973.5	5917.1	5734.1	5510.3	5249.3	4969.3	4802.3
-19.5°	5502.3	5497.0	5499.7	5527.9	5501.1	5464.7	5299.2	5086.4	4850.9	4604.3	4453.6
-22.5°	5154.9	5160.4	5178.0	5173.9	5161.8	5130.9	4973.3	4787.4	4553.2	4341.8	4189.7
-25.5°	5253.4	5247.9	5257.4	5234.4	5215.6	5128.1	4926.2	4748.6	4492.8	4333.8	4222.0
-29°	5701.8	5696.3	5701.8	5685.5	5670.8	5551.0	5303.3	5102.6	4793.1	4646.2	4533.0
-33°	5658.7	5657.3	5658.7	5646.6	5611.4	5451.4	5169.9	4902.0	4591.0	4425.4	4406.6
-37.5°	5431.0	5426.9	5429.8	5412.2	5355.6	5159.2	4878.9	4569.3	4323.0	4230.2	4315.0
-42.5°	4932.9	4916.7	4910.0	4872.4	4793.1	4534.4	4274.6	3978.4	3849.0	3861.3	4064.7
-47.5°	3014.3	2984.9	2955.1	2931.1	2863.6	2671.0	2584.9	2451.6	2457.0	2528.4	2652.2
-55°	674.5	681.2	702.7	706.8	690.6	669.2	636.7	626.0	647.6	718.9	739.1
-65°	492.8	498.1	507.5	488.6	455.0	449.6	467.2	500.9	511.6	504.9	516.9
-75°	176.4	179.0	183.1	177.8	167.1	176.4	181.9	173.5	170.9	168.3	170.9
-85°	98.2	99.6	99.6	95.7	101.0	98.2	94.2	97.0	99.6	107.7	105.1
-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: P958822
 CATALOG NUMBER: NFFLD-C55-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°	95.7	93.0	82.0	76.8	82.0	93.0	94.2	88.9	74.2	55.2	41.7
75°	106.3	111.8	117.0	121.2	125.1	117.0	118.6	127.9	125.1	101.0	56.6
65°	273.4	205.9	160.2	146.7	138.6	138.6	136.0	153.5	149.5	123.9	71.3
55°	1350.4	1323.5	293.6	889.9	906.0	872.3	253.0	211.3	176.4	137.4	87.5
47.5°	3328.1	3252.8	3124.9	2836.7	2116.4	2407.1	2226.9	278.6	181.9	152.1	99.6
42.5°	4515.5	4483.3	4386.3	4176.2	3336.2	3149.1	3586.6	869.9	180.5	168.3	107.7
37.5°	6263.3	6388.3	6202.4	5871.2	5157.8	4391.7	4779.5	1330.2	189.9	187.1	115.8
33°	7885.4	8037.5	7881.4	7465.3	6711.4	5548.1	5265.5	2764.0	212.8	205.9	122.7
29°	7919.0	8118.3	8135.7	7573.0	7007.6	5905.0	5319.2	3137.0	232.8	220.9	129.4
25.5°	7003.6	7200.0	7214.9	6914.7	6435.4	5705.7	4977.3	3190.7	250.4	232.8	133.2
22.5°	6256.3	6455.6	6551.2	6374.8	6110.9	5521.3	4564.2	3321.5	269.4	242.2	137.4
19.5°	5883.3	6073.3	6236.1	6158.2	5996.5	5447.1	4364.7	3495.0	289.4	249.1	141.4
17°	5859.4	6055.8	6267.1	6304.9	6141.8	5561.6	4398.4	3691.6	305.7	253.0	144.1
15°	6058.5	6283.3	6535.1	6632.0	6425.9	5801.3	4518.2	3962.4	311.0	257.2	145.5
13°	6456.8	6762.6	7066.9	7166.4	6807.0	6162.3	4721.8	4327.1	315.0	262.5	146.7
11°	6672.4	7023.8	7364.3	7373.9	6922.8	6346.5	4813.1	4568.0	316.2	269.4	148.1
9°	6708.8	7038.5	7330.8	7267.5	6820.5	6349.3	4794.3	4685.2	317.8	274.6	149.5
7°	6677.7	6991.5	7210.9	7124.6	6680.5	6330.3	4760.6	4741.8	317.8	278.6	149.5
5°	6770.6	7084.5	7256.8	7103.2	6638.7	6341.2	4764.5	4795.5	315.0	281.2	150.8
3°	6824.5	7127.4	7260.6	7033.1	6575.4	6318.4	4749.8	4818.5	312.3	280.0	150.8
1°	6840.7	7099.2	7204.3	6944.4	6500.1	6278.0	4716.1	4821.1	308.2	274.6	150.8
0°	6805.7	7064.2	7162.4	6908.1	6467.7	6256.3	4702.7	4821.1	316.2	272.0	150.8
-1°	6722.1	7010.5	7120.8	6878.3	6440.9	6236.1	4692.0	4821.1	311.0	267.9	150.8
-3°	6570.2	6883.8	7023.8	6815.1	6374.8	6175.6	4671.6	4810.5	311.0	262.5	150.8
-5°	6455.6	6757.1	6905.2	6718.3	6288.7	6073.3	4624.5	4780.8	309.7	259.8	149.5
-7°	6303.5	6575.4	6746.4	6594.2	6187.7	5939.9	4553.2	4723.0	305.7	259.8	149.5
-9°	6143.5	6385.5	6565.9	6435.4	6058.5	5770.5	4475.2	4642.1	302.9	259.8	148.1
-11°	5995.1	6206.7	6373.6	6252.4	5905.0	5569.8	4355.4	4485.9	298.8	257.2	146.7
-13°	5689.6	5837.7	5983.0	5878.2	5537.5	5187.5	4118.4	4185.7	294.8	254.4	145.5
-15°	5169.9	5291.2	5406.7	5331.5	5054.1	4666.4	3782.0	3812.6	290.8	250.4	142.7
-17°	4796.9	4942.2	5058.2	4981.4	4757.9	4320.4	3540.9	3536.7	288.2	246.3	141.4
-19.5°	4488.6	4673.2	4809.0	4727.0	4546.6	4047.1	3353.6	3297.2	284.1	243.7	138.6
-22.5°	4219.4	4407.9	4538.4	4490.0	4393.2	3872.1	3336.2	3069.7	274.6	241.0	134.5
-25.5°	4298.9	4477.9	4589.6	4554.6	4418.7	3798.1	3501.7	2926.8	266.5	238.4	132.0
-29°	4652.9	4897.9	5075.5	4849.5	4799.6	3838.4	3880.1	2874.5	259.8	232.8	126.5
-33°	4666.4	4907.2	4947.8	4783.5	4663.7	3530.0	3954.1	2567.6	254.4	222.2	121.2
-37.5°	4583.0	4728.2	4663.7	4460.3	3983.8	3291.7	3851.9	2005.8	244.9	204.6	114.4
-42.5°	4313.6	4430.7	4224.9	4008.1	3193.6	2947.0	3178.6	1279.1	239.6	183.1	106.3
-47.5°	2832.9	2757.4	2700.8	2488.0	1973.7	2024.9	1708.7	298.8	230.4	157.4	99.6
-55°	748.4	740.5	721.5	624.8	548.0	486.0	319.0	236.8	219.5	136.0	88.9
-65°	522.5	500.9	444.3	284.1	250.4	209.9	235.6	199.3	149.5	117.0	74.2
-75°	176.4	167.1	144.1	140.0	132.0	140.0	148.1	122.7	105.1	91.5	59.2
-85°	109.1	103.6	83.4	74.2	80.8	90.1	90.1	82.0	63.2	51.1	43.1
-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: P958822
CATALOG NUMBER: NFFLD-C55-D-UNV-66-WG-8040

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)