

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: P393761

Luminaire Tested: **NFFLD-C55-D-UNV-66-7030-VG**

Issue Date: 3/31/2020

Test Information

Test Method: LM-79-08
Report Number: P393761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P130630)
Test Lab: INNOVATIONS CENTER
Issue Date: 3/31/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C55-D-UNV-66-7030-VG
Description: FLOODLIGHT WITH WIRE GUARD
Light Source: (2) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17962 lumens	Max Intensity:	10080.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	123.9 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:	11896.4 lumens	Field Lumens:	17197.3 lumens
Beam Efficiency:	66.2%	Field Efficiency:	95.7%

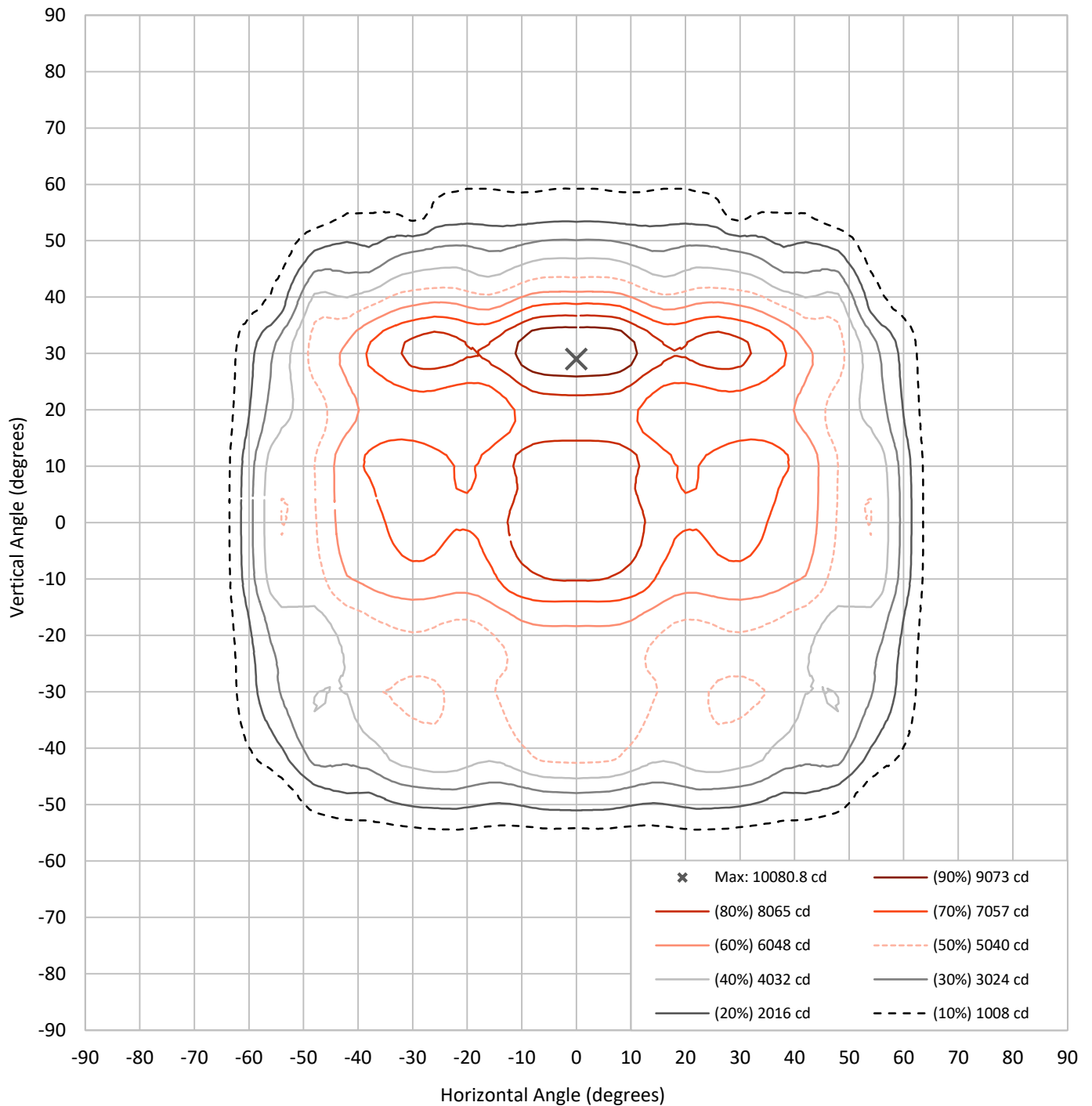
Input Watts (W): 145
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P393761

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030-VG

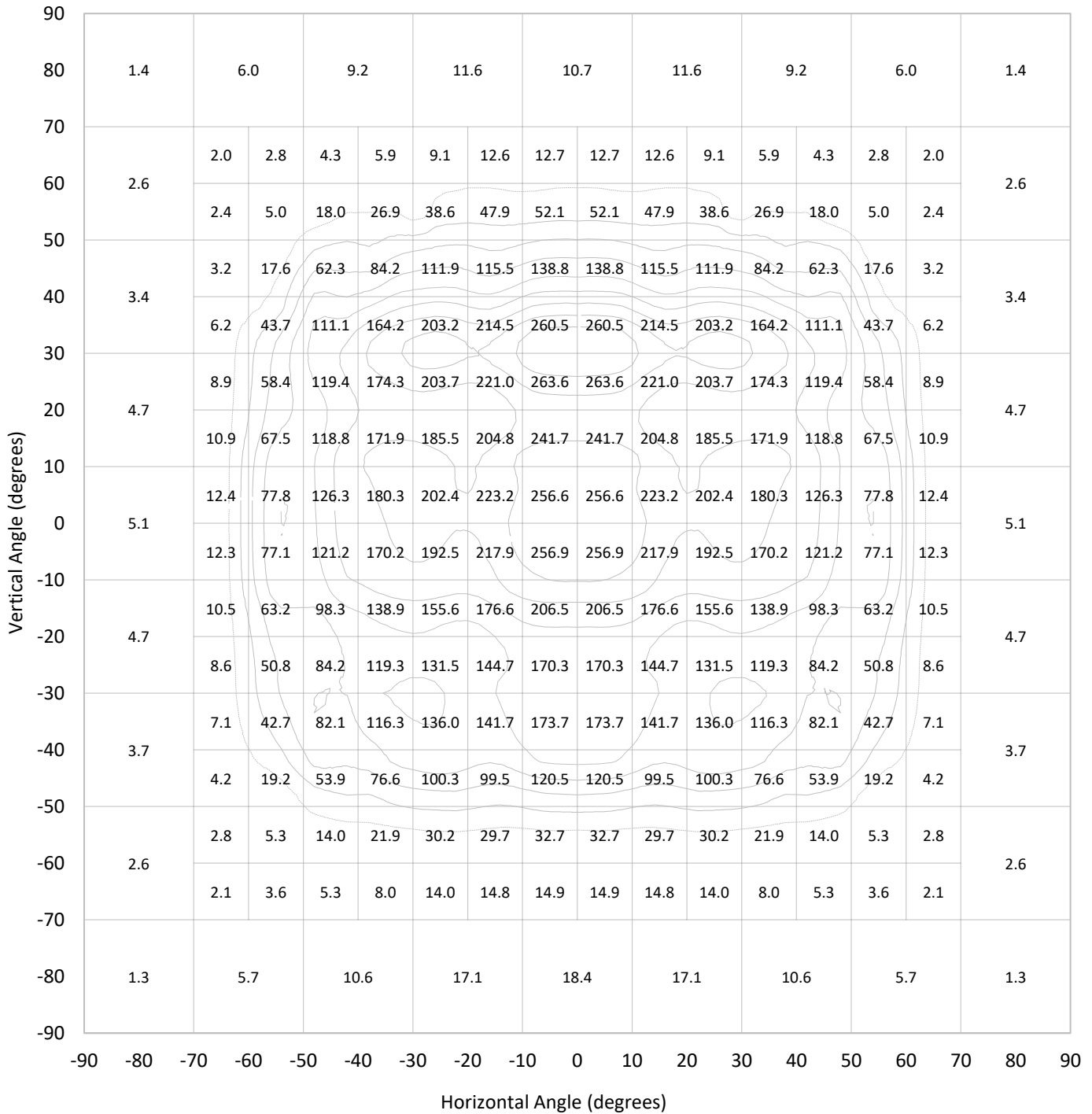
Iso-Candela Plot





REPORT NUMBER: P393761
 CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030-VG

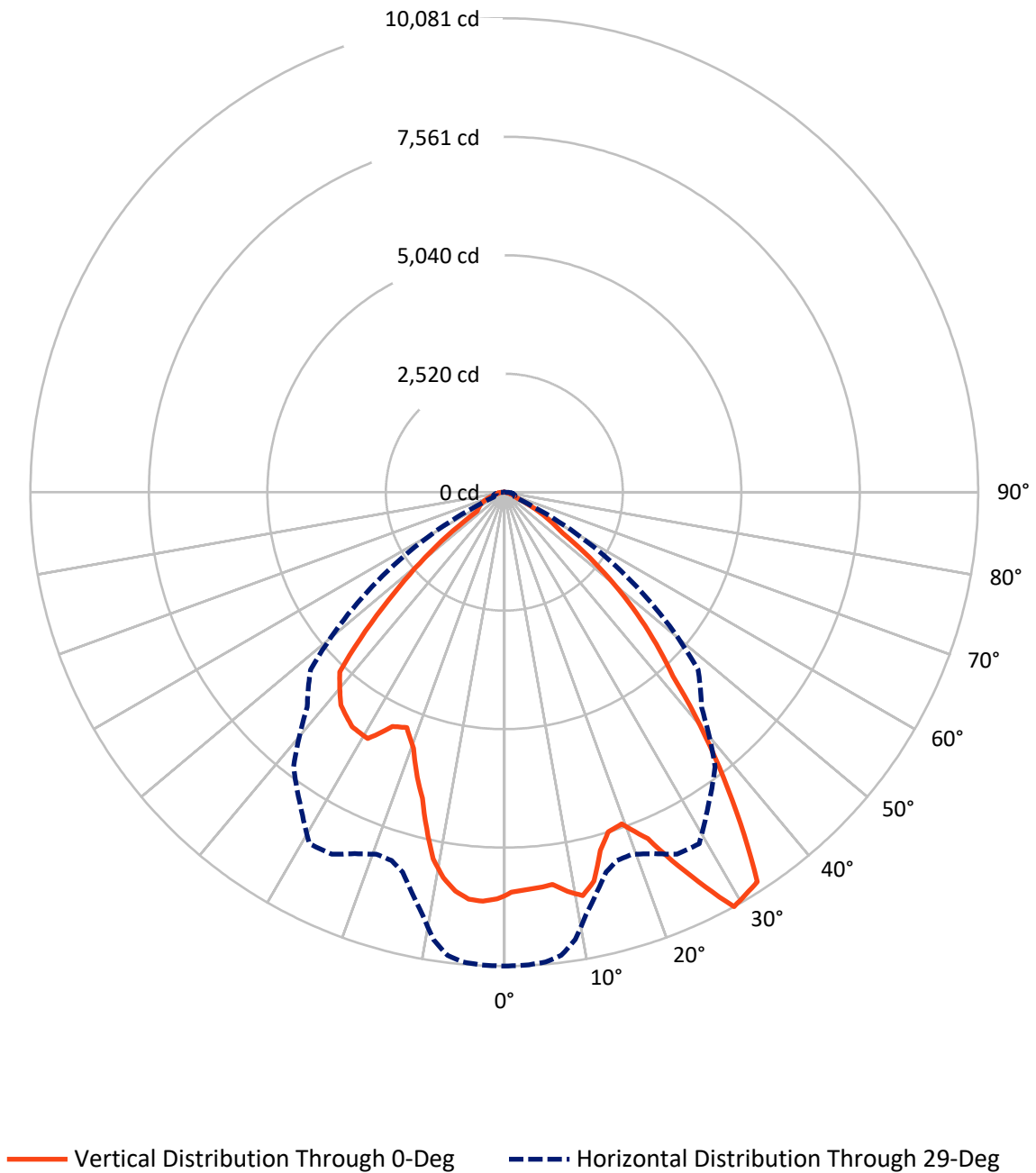
Lumen Table



REPORT NUMBER: P393761

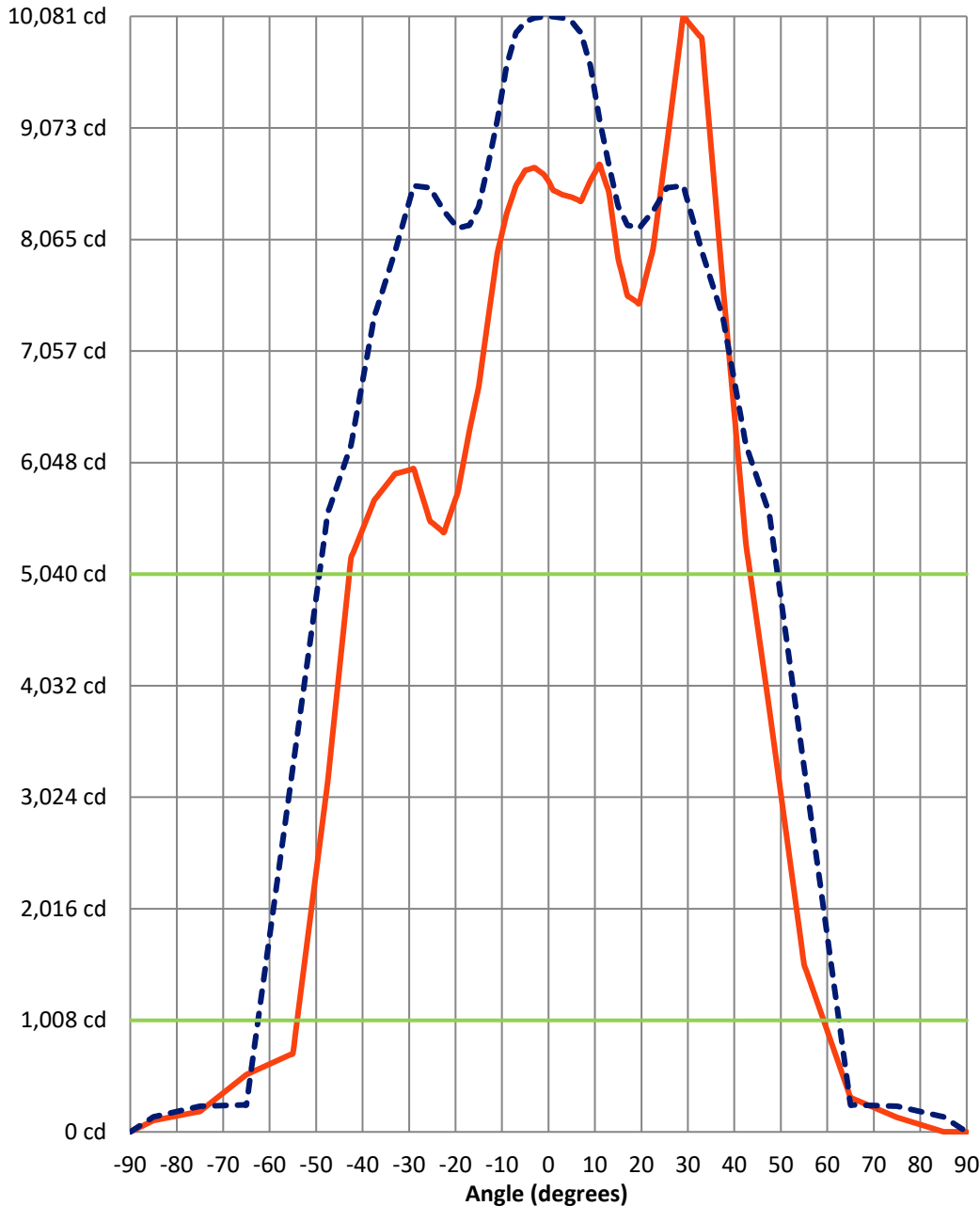
CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030-VG

Luminous Intensity Polar Plot



REPORT NUMBER: P393761
 CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030-VG

Luminous Intensity Plot



Beam:
 H Angle: 98.6°
 V Angle: 86.3°
 Lumens: 11896.4
 Efficiency: 66.2%

Field:
 H Angle: 125°
 V Angle: 113.3°
 Lumens: 17197.3
 Efficiency: 95.7%

Spill:
 Lumens: 764.7
 Efficiency: 4.3%

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



REPORT NUMBER: P393761

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030-VG

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°	1.5	7.0	35.5	43.7	46.7	52.4	63.7	72.0	82.0	90.5	96.2
75°	131.4	131.4	131.4	131.4	127.4	124.6	127.4	120.2	121.7	120.2	114.7
65°	309.8	309.8	301.5	284.3	268.8	271.6	281.6	297.1	328.3	308.5	304.1
55°	1515.3	1530.8	1536.5	1506.8	1437.6	1420.6	1407.6	1427.6	1506.8	1509.5	1540.8
47.5°	3827.3	3871.0	3866.8	3834.3	3801.8	3588.0	3449.3	3227.2	3129.7	3210.4	3417.0
42.5°	5311.3	5329.6	5335.6	5336.8	5309.9	5103.5	4879.9	4528.9	4288.3	4220.5	4472.4
37.5°	7666.9	7716.6	7722.3	7618.9	7583.4	7345.8	6911.4	6557.8	6209.8	6120.6	6275.0
33°	9879.9	9879.9	9875.7	9833.2	9758.2	9424.2	8896.6	8506.1	8067.6	7838.2	7911.7
29°	10080.8	10077.8	10066.6	10032.8	9929.4	9636.6	9145.6	8738.1	8364.6	8194.8	8166.5
25.5°	8932.0	8919.3	8893.8	8854.1	8781.9	8548.5	8136.8	7771.8	7409.5	7227.1	7200.1
22.5°	7978.4	7971.2	7975.4	7921.7	7887.7	7736.3	7423.7	7096.9	6781.4	6563.5	6475.8
19.5°	7486.0	7491.5	7497.2	7484.7	7453.5	7338.8	7054.5	6734.7	6450.1	6219.5	6117.8
17°	7556.7	7562.4	7559.6	7552.4	7519.9	7391.0	7113.7	6803.9	6521.1	6257.8	6130.6
15°	7892.0	7903.4	7894.9	7873.5	7834.0	7685.6	7399.5	7065.7	6796.9	6484.3	6354.0
13°	8489.1	8497.6	8489.1	8456.6	8396.9	8252.7	7969.9	7592.1	7303.3	6924.3	6755.9
11°	8743.7	8745.1	8742.2	8709.7	8653.2	8521.6	8214.5	7835.5	7539.7	7160.4	6956.8
9°	8595.2	8607.8	8599.5	8572.5	8534.3	8419.6	8131.1	7784.5	7512.9	7160.4	6989.3
7°	8409.9	8418.4	8415.4	8402.9	8371.6	8278.2	8023.4	7691.1	7464.7	7120.9	6971.0
5°	8446.6	8457.8	8456.6	8450.8	8418.4	8323.6	8085.8	7764.5	7577.9	7232.6	7064.2
3°	8469.3	8479.3	8490.6	8483.3	8469.3	8409.9	8197.7	7904.7	7718.0	7351.3	7142.2
1°	8510.5	8524.5	8542.8	8538.8	8544.3	8491.8	8286.7	7964.2	7744.8	7354.3	7205.9
0°	8592.3	8600.8	8620.5	8609.3	8598.0	8542.8	8316.4	7985.4	7736.3	7334.6	7214.4
-1°	8651.7	8657.5	8657.5	8640.5	8612.0	8547.0	8306.7	7965.6	7694.1	7266.6	7071.5
-3°	8713.9	8721.2	8694.2	8640.5	8600.8	8518.8	8267.0	7903.4	7604.9	7147.9	6898.8
-5°	8688.7	8694.2	8682.9	8595.2	8531.5	8443.6	8183.5	7812.8	7494.4	7036.0	6779.9
-7°	8549.8	8561.0	8520.3	8460.8	8351.9	8248.5	7972.6	7594.9	7265.1	6843.6	6615.8
-9°	8298.2	8327.7	8272.7	8227.2	8090.1	7971.2	7702.5	7357.3	7053.0	6672.5	6458.6
-11°	7941.6	7971.2	7950.1	7948.4	7846.7	7749.3	7514.2	7190.2	6897.3	6528.1	6310.2
-13°	7344.5	7385.5	7375.7	7423.7	7333.1	7273.6	7048.7	6778.6	6519.6	6155.8	5984.9
-15°	6738.9	6703.7	6703.7	6726.2	6665.2	6603.0	6393.7	6163.1	5912.5	5599.9	5441.5
-17°	6338.5	6315.9	6318.7	6330.2	6277.5	6218.3	6025.9	5790.8	5516.5	5222.2	5046.8
-19.5°	5782.3	5776.8	5779.6	5809.3	5781.0	5742.8	5568.9	5345.3	5097.7	4838.7	4680.3
-22.5°	5417.3	5423.0	5441.5	5437.3	5424.5	5392.0	5226.4	5031.1	4784.9	4562.8	4402.9
-25.5°	5520.7	5515.0	5525.0	5500.8	5481.0	5389.1	5176.9	4990.3	4721.5	4554.3	4436.9
-29°	5991.9	5986.2	5991.9	5974.9	5959.4	5833.5	5573.2	5362.3	5037.0	4882.6	4763.7
-33°	5946.7	5945.2	5946.7	5933.9	5897.0	5728.8	5433.0	5151.5	4824.7	4650.5	4630.8
-37.5°	5707.4	5703.1	5706.1	5687.6	5628.2	5421.8	5127.2	4801.9	4543.1	4445.4	4534.6
-42.5°	5183.9	5167.0	5159.9	5120.4	5037.0	4765.2	4492.1	4180.8	4044.9	4057.9	4271.5
-47.5°	3167.7	3136.7	3105.5	3080.3	3009.3	2807.0	2716.5	2576.4	2582.1	2657.1	2787.2
-55°	708.8	715.8	738.5	742.8	725.8	703.3	669.1	657.8	680.6	755.5	776.8
-65°	517.9	523.4	533.4	513.4	478.2	472.5	490.9	526.4	537.7	530.6	543.2
-75°	185.4	188.1	192.4	186.9	175.6	185.4	191.1	182.4	179.6	176.9	179.6
-85°	103.2	104.7	104.7	100.7	106.2	103.2	99.0	101.9	104.7	113.2	110.4
-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: P393761

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030-VG

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°	100.7	97.7	86.2	80.7	86.2	97.7	99.0	93.4	77.9	58.0	43.7
75°	111.7	117.4	122.9	127.4	131.4	122.9	124.6	134.4	131.4	106.2	59.5
65°	287.3	216.4	168.4	154.2	145.7	145.7	142.9	161.4	157.1	130.2	75.0
55°	1419.1	1390.8	308.5	935.2	952.1	916.7	265.9	222.1	185.4	144.4	91.9
47.5°	3497.5	3418.3	3283.9	2981.1	2224.1	2529.6	2340.2	292.8	191.1	159.9	104.7
42.5°	4745.2	4711.5	4609.6	4388.7	3506.0	3309.4	3769.1	914.1	189.6	176.9	113.2
37.5°	6582.0	6713.4	6518.1	6170.1	5420.3	4615.3	5022.8	1397.9	199.6	196.6	121.7
33°	8286.7	8446.6	8282.5	7845.2	7053.0	5830.5	5533.5	2904.6	223.6	216.4	128.9
29°	8321.9	8531.5	8549.8	7958.4	7364.3	6205.5	5589.9	3296.6	244.6	232.1	135.9
25.5°	7360.0	7566.4	7582.1	7266.6	6762.9	5996.2	5230.7	3353.1	263.1	244.6	139.9
22.5°	6574.8	6784.2	6884.6	6699.2	6421.9	5802.3	4796.4	3490.5	283.1	254.6	144.4
19.5°	6182.8	6382.4	6553.6	6471.6	6301.7	5724.4	4586.8	3672.9	304.1	261.8	148.6
17°	6157.5	6363.9	6586.0	6625.8	6454.4	5844.8	4622.3	3879.5	321.3	265.9	151.4
15°	6366.9	6603.0	6867.6	6969.5	6752.9	6096.6	4748.2	4164.1	326.8	270.3	152.9
13°	6785.4	7106.7	7426.5	7531.2	7153.4	6475.8	4962.0	4547.3	331.0	275.8	154.2
11°	7012.0	7381.3	7739.1	7749.3	7275.1	6669.5	5058.0	4800.4	332.3	283.1	155.6
9°	7050.2	7396.8	7703.8	7637.4	7167.7	6672.5	5038.3	4923.6	334.0	288.6	157.1
7°	7017.5	7347.3	7577.9	7487.2	7020.5	6652.5	5002.8	4983.1	334.0	292.8	157.1
5°	7115.2	7445.0	7626.1	7464.7	6976.5	6664.0	5007.1	5039.5	331.0	295.6	158.4
3°	7171.9	7490.2	7630.1	7391.0	6910.1	6640.0	4991.6	5063.8	328.3	294.3	158.4
1°	7188.9	7460.5	7570.9	7297.8	6830.9	6597.5	4956.1	5066.5	323.8	288.6	158.4
0°	7152.1	7423.7	7526.9	7259.6	6796.9	6574.8	4942.1	5066.5	332.3	285.8	158.4
-1°	7064.2	7367.3	7483.2	7228.4	6768.7	6553.6	4930.8	5066.5	326.8	281.6	158.4
-3°	6904.6	7234.1	7381.3	7161.9	6699.2	6489.9	4909.4	5055.3	326.8	275.8	158.4
-5°	6784.2	7101.0	7256.6	7060.2	6608.8	6382.4	4859.9	5024.0	325.5	273.1	157.1
-7°	6624.3	6910.1	7089.7	6929.8	6502.6	6242.3	4784.9	4963.3	321.3	273.1	157.1
-9°	6456.1	6710.5	6900.1	6762.9	6366.9	6064.1	4703.0	4878.4	318.3	273.1	155.6
-11°	6300.2	6522.6	6697.9	6570.5	6205.5	5853.2	4577.1	4714.2	314.1	270.3	154.2
-13°	5979.2	6134.8	6287.5	6177.3	5819.3	5451.5	4328.0	4398.7	309.8	267.3	152.9
-15°	5433.0	5560.4	5681.9	5602.9	5311.3	4903.9	3974.4	4006.7	305.6	263.1	149.9
-17°	5041.0	5193.7	5315.6	5234.9	5000.0	4540.3	3721.1	3716.6	302.8	258.8	148.6
-19.5°	4717.0	4911.1	5053.8	4967.6	4777.9	4253.0	3524.3	3465.0	298.6	256.1	145.7
-22.5°	4434.2	4632.3	4769.4	4718.5	4616.8	4069.1	3506.0	3225.9	288.6	253.3	141.4
-25.5°	4517.6	4705.7	4823.2	4786.4	4643.5	3991.4	3679.9	3075.8	280.1	250.6	138.7
-29°	4889.6	5147.2	5333.9	5096.2	5043.8	4033.7	4077.6	3020.8	273.1	244.6	132.9
-33°	4903.9	5157.0	5199.7	5027.0	4901.1	3709.6	4155.3	2698.2	267.3	233.6	127.4
-37.5°	4816.2	4968.8	4901.1	4687.3	4186.6	3459.3	4047.9	2107.9	257.4	215.1	120.2
-42.5°	4533.1	4656.3	4439.9	4212.0	3356.1	3097.0	3340.4	1344.1	251.8	192.4	111.7
-47.5°	2977.1	2897.6	2838.2	2614.6	2074.2	2127.9	1795.6	314.1	242.1	165.4	104.7
-55°	786.5	778.2	758.3	656.6	575.9	510.7	335.3	248.9	230.6	142.9	93.4
-65°	549.1	526.4	466.9	298.6	263.1	220.6	247.6	209.4	157.1	122.9	77.9
-75°	185.4	175.6	151.4	147.2	138.7	147.2	155.6	128.9	110.4	96.2	62.2
-85°	114.7	108.9	87.7	77.9	84.9	94.7	94.7	86.2	66.5	53.7	45.2
-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: P393761

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030-VG

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)