

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: P393766

Luminaire Tested: **NFFLD-C55-D-UNV-66-7060-TS2**

Issue Date: 3/31/2020

Test Information

Test Method: LM-79-08
Report Number: P393766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P130629)
Test Lab: INNOVATIONS CENTER
Issue Date: 3/31/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C55-D-UNV-66-7060-TS2
Description: FLOODLIGHT WITH TOP AND SIDE VISORS
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A	NEMA Type: 6H x 5V
Luminaire Lumens: 18188 lumens	Max Intensity: 11162.3 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 29°V
Efficacy: 125.4 lumens/watt	
Luminous Opening: (L: 1.33 ' x W: 0 ' x H: 0.67 ')	
Beam Angle (50%): 94.6°H x 75.7°V	Field Angle (10%): 119.6°H x 96.4°V
Beam Lumens: 13439.5 lumens	Field Lumens: 17718.2 lumens
Beam Efficiency: 73.9%	Field Efficiency: 97.4%

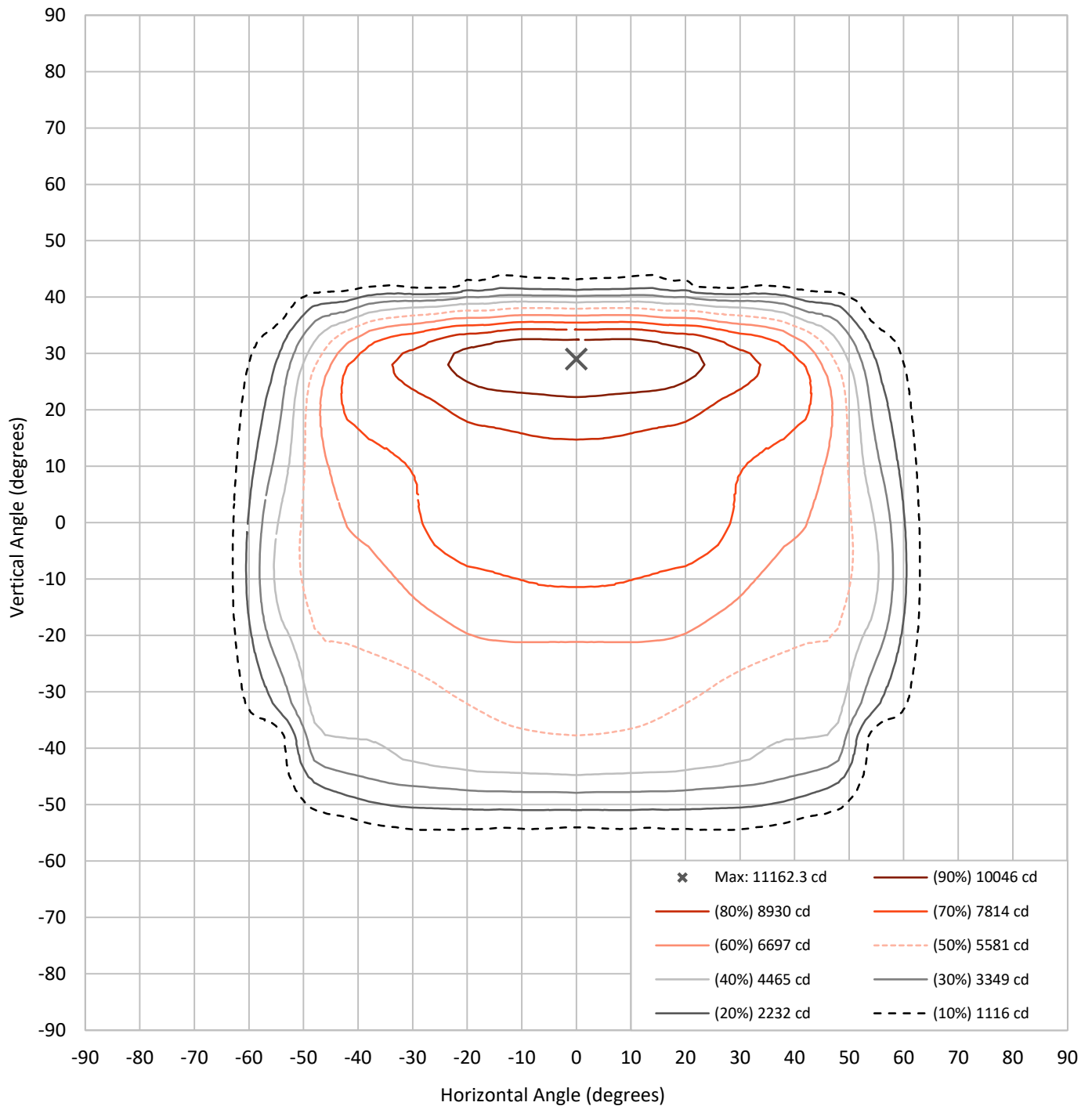
Input Watts (W): 145
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P393766

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-TS2

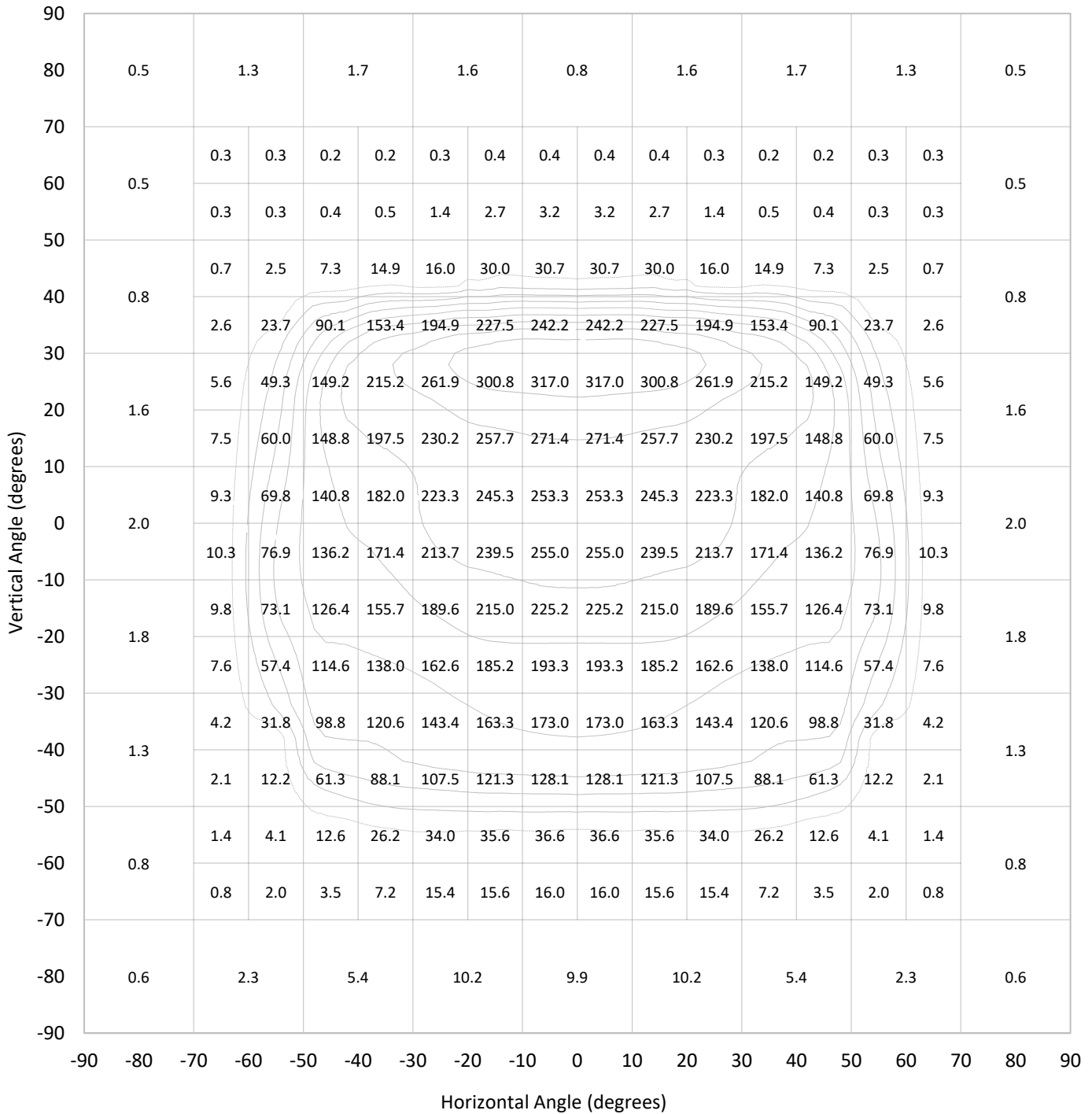
Iso-Candela Plot





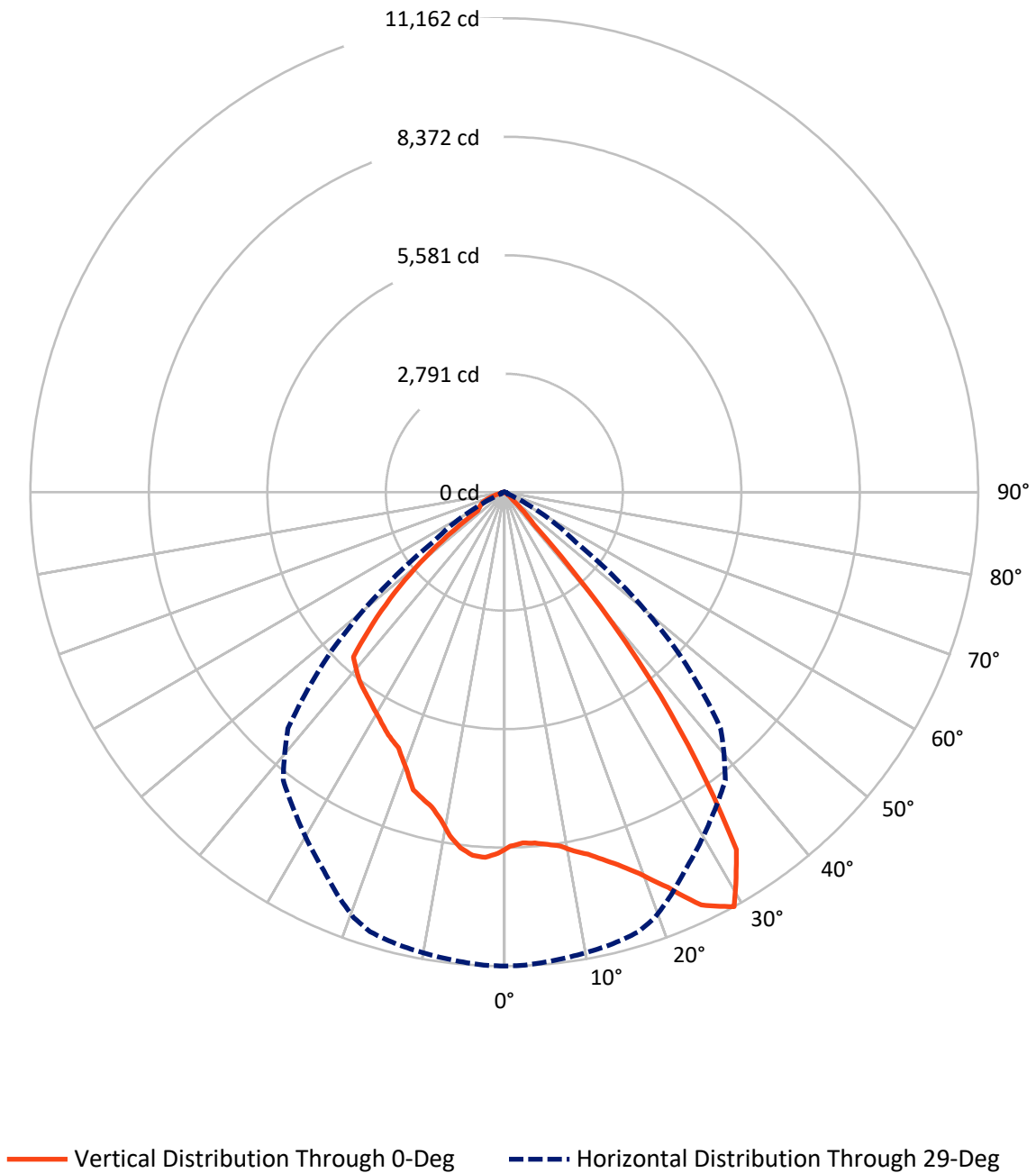
REPORT NUMBER: P393766
 CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-TS2

Lumen Table



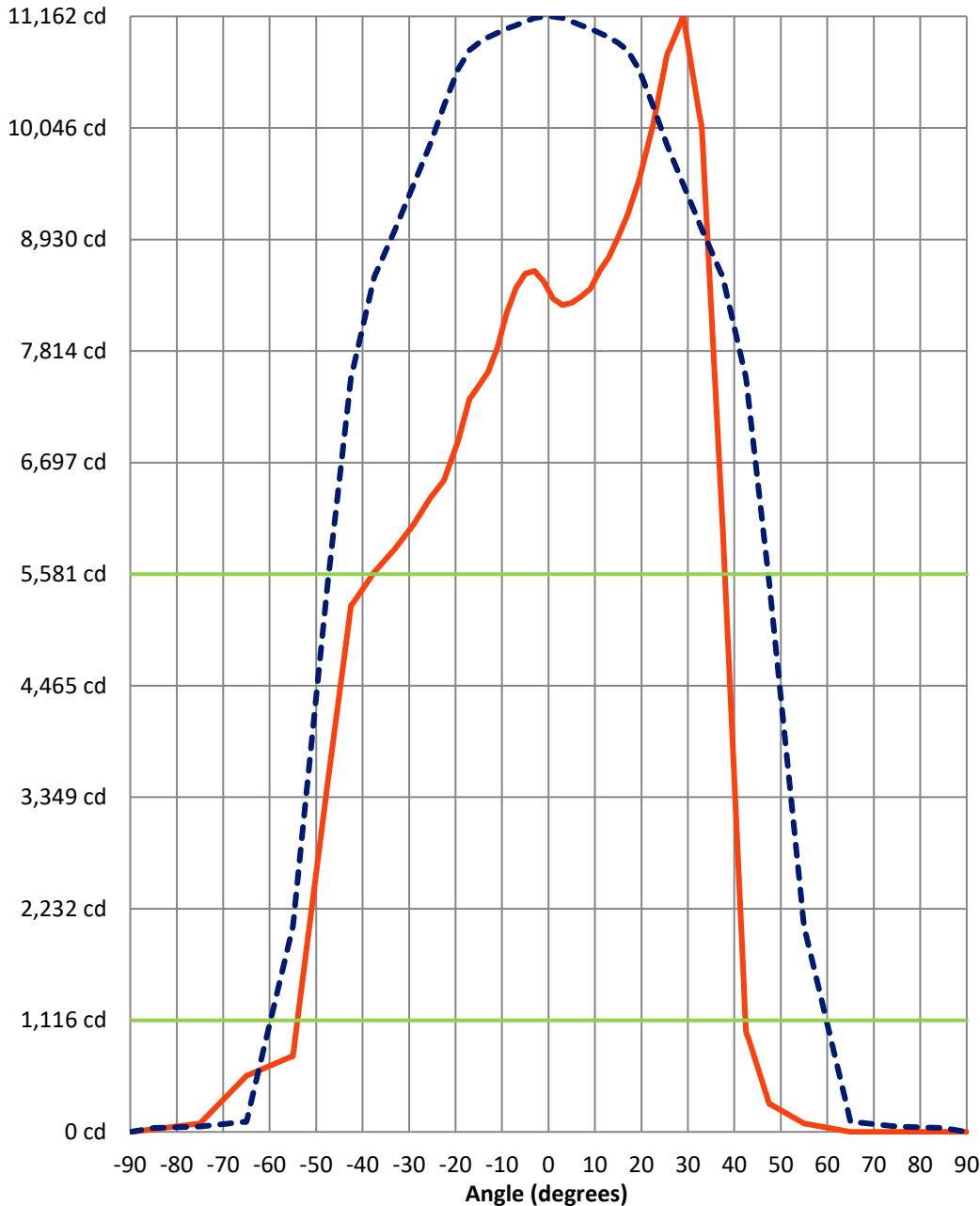
REPORT NUMBER: P393766
CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-TS2

Luminous Intensity Polar Plot



REPORT NUMBER: P393766
 CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-TS2

Luminous Intensity Plot



Beam:
 H Angle: 94.6°
 V Angle: 75.7°
 Lumens: 13439.5
 Efficiency: 73.9%

Field:
 H Angle: 119.6°
 V Angle: 96.4°
 Lumens: 17718.2
 Efficiency: 97.4%

Spill:
 Lumens: 469.8
 Efficiency: 2.6%

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



REPORT NUMBER: P393766

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-TS2

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°	0.0	4.2	9.9	9.9	11.2	14.2	18.4	21.1	23.9	25.1	26.8
75°	0.0	1.5	4.2	7.0	8.5	8.5	8.5	8.5	8.5	8.5	8.5
65°	0.0	0.0	3.0	4.2	5.5	5.5	7.0	7.0	7.0	7.0	5.5
55°	84.5	81.6	84.5	84.5	84.5	83.0	77.5	70.4	66.1	67.6	61.9
47.5°	282.9	284.4	281.6	275.9	273.2	270.2	264.5	259.0	246.4	240.9	236.4
42.5°	1015.0	1113.5	1089.8	1176.9	1144.5	1226.1	1345.9	1444.6	1450.1	794.0	1181.1
37.5°	6033.9	6057.8	6077.5	6133.7	6108.5	6138.1	6078.9	5956.4	5769.2	5693.1	5729.9
33°	10033.4	9988.4	10008.0	10071.6	10112.2	10160.2	10089.8	9963.0	9729.3	9566.0	9488.7
29°	11162.3	11159.5	11145.6	11110.3	11072.5	11038.7	10996.4	10952.7	10896.3	10823.2	10629.0
25.5°	10773.9	10755.6	10728.9	10671.3	10641.7	10613.4	10572.6	10531.8	10469.9	10382.6	10198.2
22.5°	10075.6	10064.4	10049.0	9999.6	9960.3	9929.2	9888.4	9870.1	9826.5	9775.8	9647.6
19.5°	9525.2	9514.0	9515.3	9491.4	9464.6	9425.3	9375.9	9330.9	9294.3	9267.7	9195.6
17°	9176.0	9159.1	9162.0	9155.1	9128.2	9083.2	9038.0	8977.6	8928.4	8898.6	8839.8
15°	8953.7	8940.8	8945.3	8929.6	8900.3	8856.5	8812.8	8759.3	8708.6	8650.9	8590.5
13°	8753.8	8740.9	8743.9	8729.7	8700.2	8666.4	8632.6	8583.3	8545.3	8490.4	8427.2
11°	8612.9	8604.5	8596.0	8587.5	8560.9	8528.6	8498.8	8458.0	8425.7	8376.5	8330.0
9°	8437.1	8442.6	8434.2	8429.9	8410.3	8382.2	8358.1	8330.0	8310.3	8282.2	8266.6
7°	8358.1	8362.5	8354.1	8349.6	8335.5	8320.1	8297.7	8280.5	8280.5	8285.0	8296.4
5°	8296.4	8300.4	8297.7	8298.9	8300.4	8293.4	8286.3	8290.5	8317.3	8339.9	8346.7
3°	8273.8	8275.1	8285.0	8294.7	8308.9	8321.5	8337.0	8362.5	8394.6	8396.1	8384.9
1°	8338.4	8335.5	8365.1	8390.6	8415.8	8435.6	8438.4	8428.7	8429.9	8414.5	8484.9
0°	8421.5	8415.8	8445.6	8458.0	8483.4	8490.4	8465.2	8441.1	8421.5	8386.2	8501.8
-1°	8507.3	8504.5	8520.1	8521.4	8534.1	8525.6	8479.2	8441.1	8400.3	8337.0	8363.6
-3°	8614.4	8617.1	8612.9	8596.0	8593.3	8551.0	8480.6	8421.5	8351.1	8253.9	8193.3
-5°	8587.5	8586.3	8570.9	8548.2	8517.2	8465.2	8376.5	8300.4	8210.4	8100.5	8041.4
-7°	8442.6	8446.8	8417.3	8401.6	8334.2	8256.9	8155.3	8064.0	7986.4	7911.9	7885.2
-9°	8192.0	8200.5	8156.9	8149.8	8052.6	7966.8	7893.7	7827.5	7786.6	7747.0	7733.1
-11°	7845.7	7856.9	7828.8	7844.2	7781.1	7748.5	7714.7	7672.5	7640.1	7607.8	7578.2
-13°	7605.1	7610.6	7597.9	7596.6	7571.3	7564.1	7547.2	7523.3	7497.9	7459.9	7420.4
-15°	7465.6	7471.3	7459.9	7452.9	7438.8	7434.6	7419.1	7388.3	7354.3	7305.0	7243.1
-17°	7331.9	7343.1	7330.6	7322.2	7308.0	7296.6	7285.4	7251.6	7206.6	7148.9	7047.5
-19.5°	6906.8	6923.5	6909.5	6906.8	6908.0	6915.0	6913.7	6886.9	6870.2	6840.4	6749.1
-22.5°	6519.5	6526.7	6523.7	6526.7	6530.9	6533.6	6530.9	6519.5	6502.8	6466.0	6371.6
-25.5°	6338.0	6342.2	6338.0	6339.2	6333.7	6329.5	6318.3	6297.0	6276.1	6238.0	6146.5
-29°	6080.4	6085.9	6084.6	6083.0	6077.5	6060.6	6036.7	6007.1	5977.7	5931.0	5844.0
-33°	5836.6	5841.0	5838.3	5828.1	5815.7	5796.0	5767.7	5728.4	5683.2	5625.5	5531.1
-37.5°	5600.2	5593.2	5594.7	5582.0	5567.8	5545.4	5517.1	5481.8	5428.4	5365.2	5275.0
-42.5°	5261.0	5231.5	5223.0	5172.3	5158.1	5100.5	5082.1	5049.8	5016.0	5023.1	4917.5
-47.5°	3498.3	3450.5	3466.0	3423.7	3450.5	3420.9	3447.8	3395.6	3404.0	3402.6	3356.1
-55°	760.2	751.8	778.6	805.2	825.1	833.3	803.9	777.1	787.0	851.7	820.8
-65°	560.3	558.9	558.9	556.1	551.9	548.9	550.4	553.1	553.1	561.8	581.5
-75°	84.5	83.0	84.5	83.0	77.5	80.3	87.3	84.5	87.3	87.3	87.3
-85°	26.8	26.8	25.1	29.6	31.1	36.6	42.3	45.0	47.8	49.4	49.4
-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: P393766

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-TS2

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°	28.1	28.1	29.6	29.6	28.1	28.1	28.1	28.1	28.1	29.6	31.1
75°	9.9	11.2	12.7	15.4	16.9	19.6	19.6	22.6	25.1	28.1	31.1
65°	5.5	4.2	4.2	4.2	5.5	7.0	11.2	15.4	21.1	25.1	29.6
55°	50.7	33.6	15.4	14.2	14.2	12.7	11.2	12.7	21.1	25.1	29.6
47.5°	194.4	129.5	78.8	64.7	59.2	47.8	43.5	45.0	38.0	26.8	31.1
42.5°	309.7	311.0	254.8	784.3	663.2	259.0	269.0	184.5	53.5	31.1	32.5
37.5°	5667.8	5253.9	5134.3	4833.0	4430.5	3216.8	2888.7	277.4	69.1	39.3	35.3
33°	9374.6	8946.5	8335.5	8200.5	7497.9	6164.7	4432.0	1544.3	85.8	46.5	36.6
29°	10267.1	9877.2	9481.5	9031.3	8552.5	7544.4	5494.7	2055.4	102.7	53.5	39.3
25.5°	9923.7	9625.2	9288.8	8908.5	8625.6	8039.9	6247.8	2422.8	119.6	63.4	41.0
22.5°	9383.0	9094.4	8824.0	8562.4	8406.1	8049.8	6542.1	2670.7	138.0	74.6	43.5
19.5°	8966.4	8696.1	8452.3	8263.9	8201.7	7890.7	6620.9	2873.3	154.9	84.5	45.0
17°	8627.1	8396.1	8218.9	8102.0	8037.1	7662.7	6613.9	3040.8	171.8	88.7	45.0
15°	8407.5	8197.5	8072.2	7997.6	7880.8	7455.9	6571.4	3188.7	185.9	93.0	46.5
13°	8275.1	8116.0	8016.0	7903.4	7683.9	7241.9	6518.2	3343.6	195.7	95.7	46.5
11°	8200.5	8075.2	7980.9	7772.4	7471.3	7091.0	6473.2	3505.5	201.4	98.5	47.8
9°	8172.4	8044.1	7888.0	7606.3	7317.7	6987.0	6432.2	3687.2	205.4	101.4	47.8
7°	8217.4	8077.9	7843.0	7512.1	7191.2	6913.7	6402.6	3868.7	208.3	104.2	47.8
5°	8256.9	8122.9	7834.3	7411.9	7081.3	6840.4	6374.5	4047.4	211.1	107.1	49.4
3°	8285.0	8148.5	7821.6	7310.7	6987.0	6771.5	6351.9	4213.5	212.6	108.4	49.4
1°	8365.1	8134.3	7781.1	7227.7	6916.5	6721.0	6328.0	4365.6	209.8	108.4	49.4
0°	8311.6	8094.8	7740.1	7192.4	6879.9	6698.4	6316.8	4432.0	209.8	107.1	49.4
-1°	8203.2	8042.8	7692.3	7158.8	6847.6	6677.1	6311.1	4497.9	208.3	107.1	49.4
-3°	8041.4	7916.1	7592.2	7096.7	6773.0	6617.9	6295.7	4612.0	207.1	105.6	47.8
-5°	7902.1	7795.0	7485.3	7009.4	6678.6	6537.9	6254.7	4685.1	205.4	104.2	47.8
-7°	7782.3	7640.1	7336.1	6888.4	6571.4	6437.9	6211.2	4730.1	204.1	102.7	47.8
-9°	7630.2	7454.2	7144.7	6749.1	6453.3	6316.8	6150.8	4735.8	202.8	101.4	46.5
-11°	7461.4	7262.8	6958.9	6604.0	6339.2	6201.5	6073.2	4699.2	201.4	98.5	45.0
-13°	7276.9	7060.2	6781.5	6468.8	6221.1	6088.7	5990.2	4612.0	199.9	98.5	45.0
-15°	7074.3	6856.1	6599.8	6339.2	6114.0	5963.6	5894.5	4481.0	199.9	97.2	43.5
-17°	6856.1	6625.1	6404.1	6193.0	5990.2	5839.5	5784.6	4301.0	196.9	95.7	42.3
-19.5°	6563.2	6350.7	6171.7	6002.9	5816.9	5680.7	5639.7	4002.4	192.9	94.2	41.0
-22.5°	6190.1	5991.7	5845.0	5732.6	5610.1	5511.4	5503.0	3608.4	185.9	91.5	39.3
-25.5°	5981.7	5801.5	5660.8	5539.5	5445.3	5397.5	5381.9	3209.9	177.3	88.7	36.6
-29°	5708.8	5555.4	5425.6	5298.9	5217.3	5220.3	5232.7	2746.5	170.3	83.0	35.3
-33°	5406.0	5276.5	5145.5	5007.5	4920.2	4927.2	4945.6	2232.9	171.8	76.1	33.6
-37.5°	5163.9	5040.0	4883.7	4710.4	4564.0	4557.0	4495.1	302.6	176.0	66.1	32.5
-42.5°	4796.2	4745.7	4534.6	4385.3	4115.0	3872.9	3535.0	298.5	168.8	53.5	32.5
-47.5°	3276.0	3209.9	3146.5	3071.9	2822.8	2446.9	1925.9	280.2	149.2	41.0	31.1
-55°	881.3	875.6	905.2	827.8	682.7	263.3	271.7	176.0	98.5	32.5	31.1
-65°	622.2	630.7	495.7	263.3	184.5	129.5	184.5	105.6	53.5	31.1	31.1
-75°	87.3	80.3	59.2	64.7	67.6	67.6	63.4	41.0	33.6	32.5	31.1
-85°	49.4	49.4	47.8	46.5	45.0	42.3	41.0	38.0	36.6	33.6	32.5
-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: P393766

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-TS2

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)