

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: P393767

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

Issue Date: 3/31/2020

Test Information

Test Method: LM-79-08
Report Number: P393767
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-66-7060-VG
Description: FLOODLIGHT WITH WIRE GUARD
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17904 lumens	Max Intensity:	10048.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	123.5 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:	11857.9 lumens	Field Lumens:	17141.7 lumens
Beam Efficiency:	66.2%	Field Efficiency:	95.7%

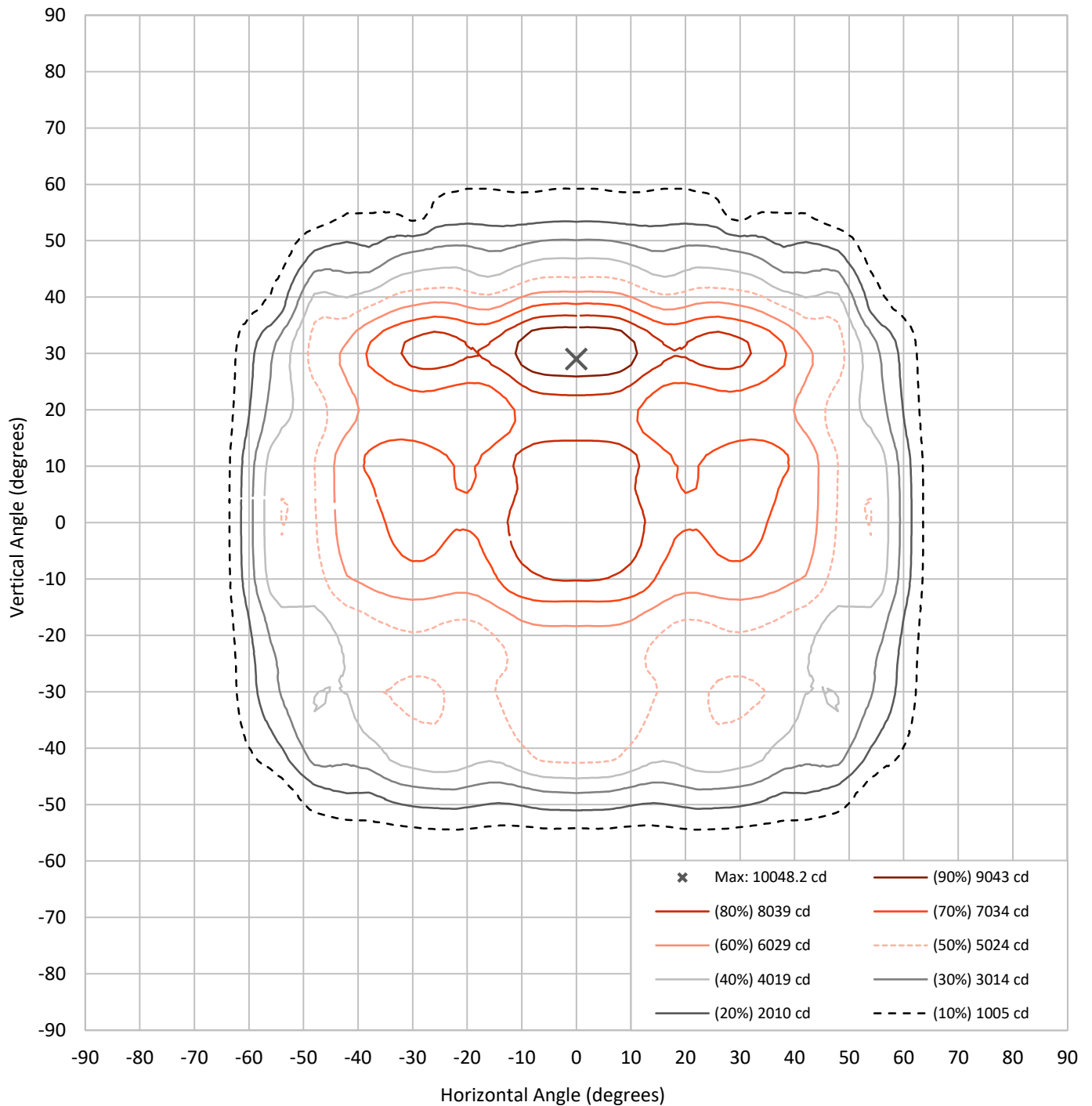
Input Watts (W): 145
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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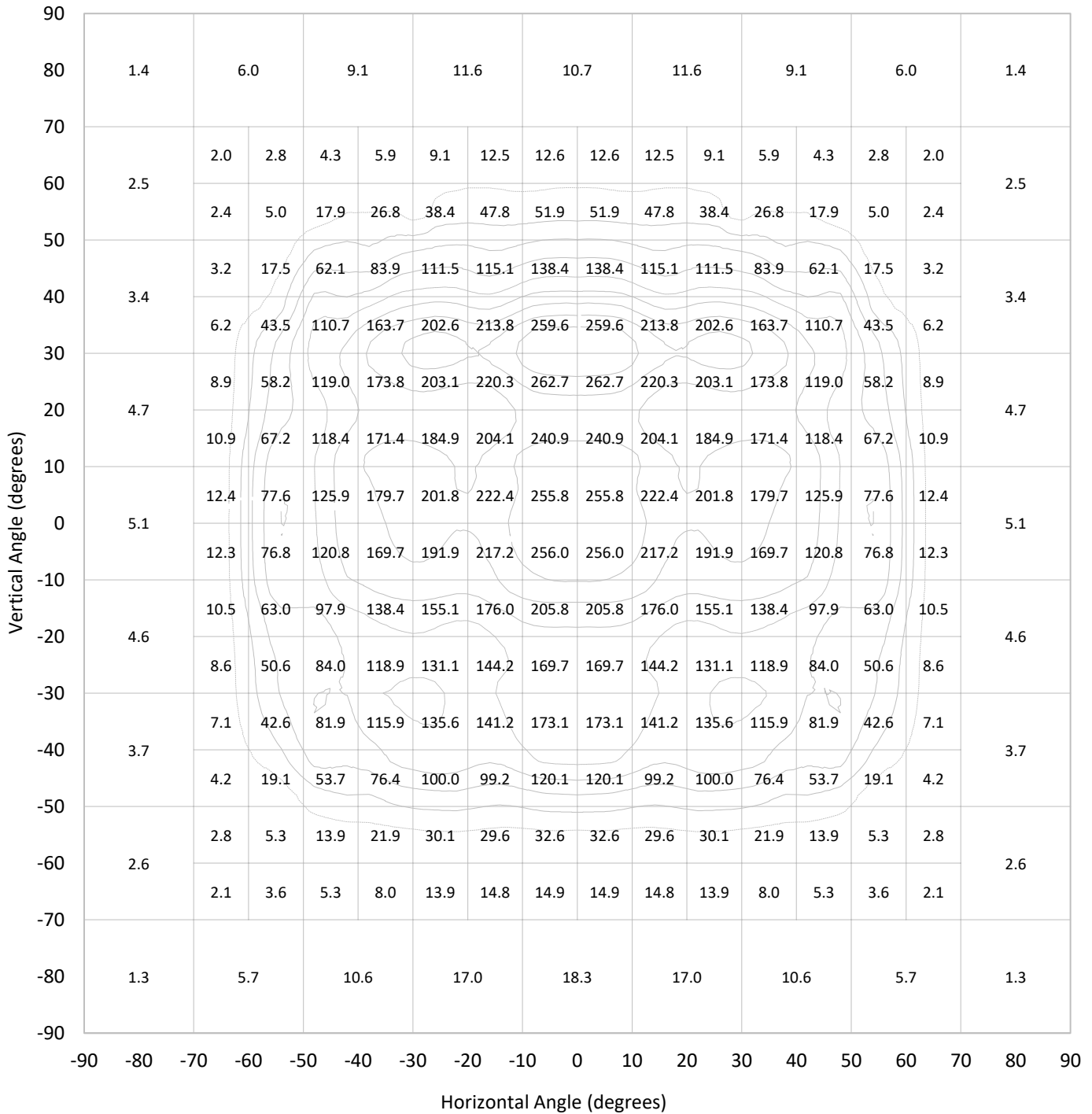
Iso-Candela Plot





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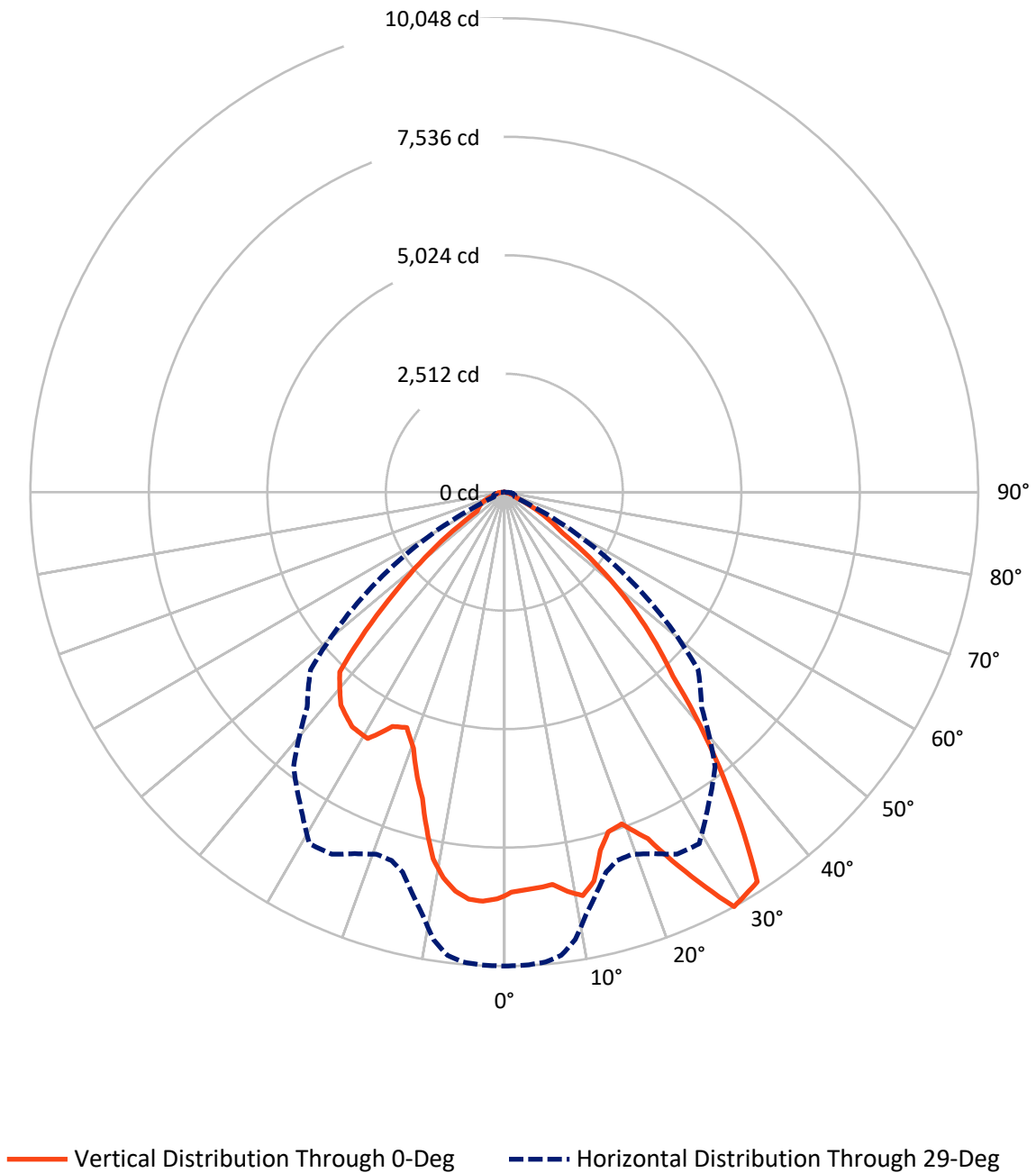
Lumen Table



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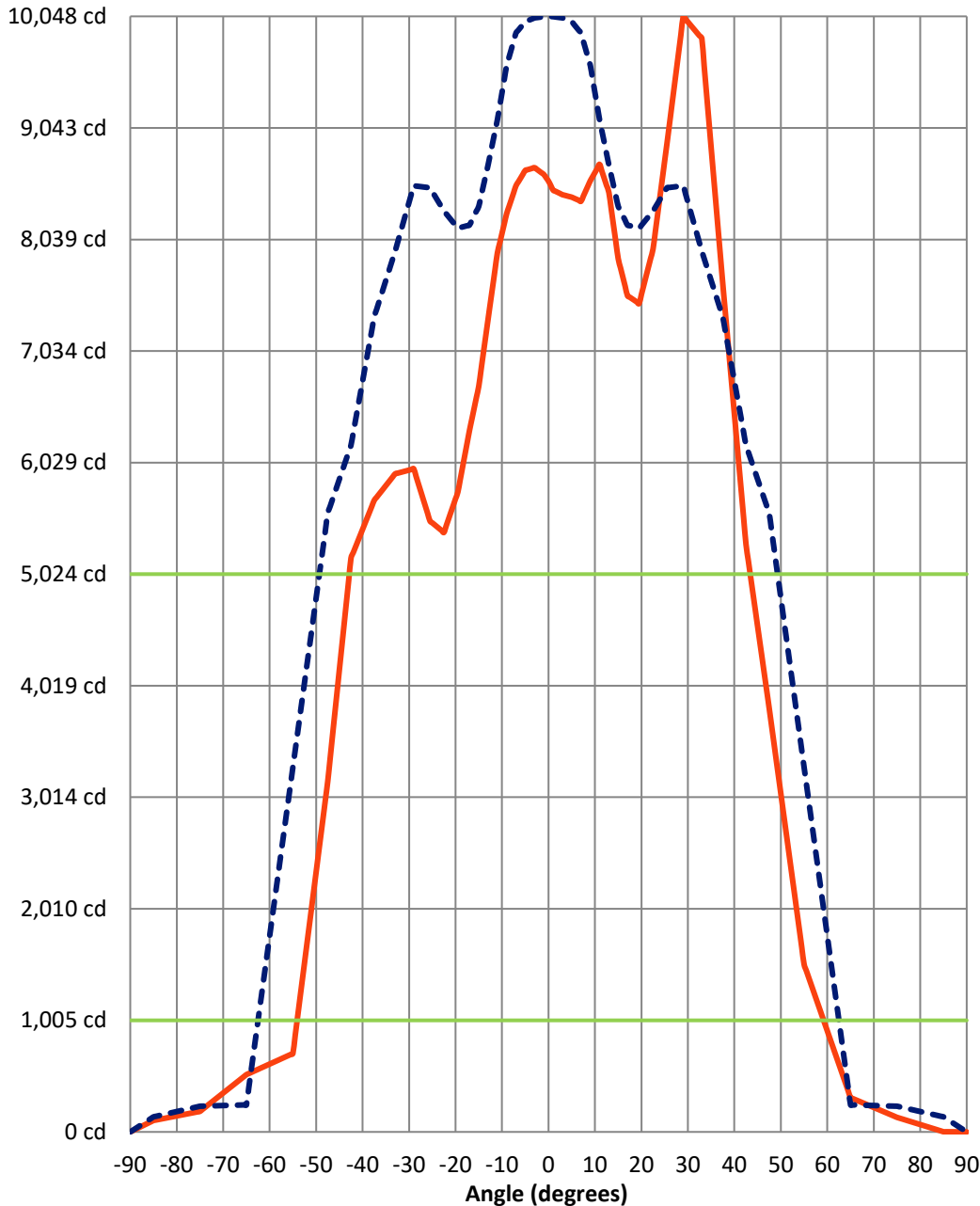
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 98.6°
 V Angle: 86.3°
 Lumens: 11857.9
 Efficiency: 66.2%

Field:
 H Angle: 125°
 V Angle: 113.3°
 Lumens: 17141.7
 Efficiency: 95.7%

Spill:
 Lumens: 762.2
 Efficiency: 4.3%

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



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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	35.3	43.6	46.6	52.3	63.5	71.8	81.7	90.2	95.9
75°	131.0	131.0	131.0	131.0	127.0	124.2	127.0	119.8	121.3	119.8	114.3
65°	308.8	308.8	300.6	283.4	268.0	270.7	280.7	296.1	327.2	307.5	303.1
55°	1510.4	1525.8	1531.6	1501.9	1432.9	1416.0	1403.1	1423.0	1501.9	1504.7	1535.8
47.5°	3814.9	3858.5	3854.3	3821.9	3789.5	3576.4	3438.2	3216.8	3119.6	3200.1	3406.0
42.5°	5294.2	5312.4	5318.3	5319.6	5292.7	5087.0	4864.1	4514.2	4274.4	4206.9	4457.9
37.5°	7642.1	7691.6	7697.4	7594.3	7558.9	7322.1	6889.0	6536.6	6189.7	6100.8	6254.7
33°	9848.0	9848.0	9843.8	9801.4	9726.7	9393.8	8867.8	8478.6	8041.5	7812.9	7886.2
29°	10048.2	10045.3	10034.1	10000.4	9897.3	9605.5	9116.1	8709.9	8337.6	8168.3	8140.1
25.5°	8903.2	8890.5	8865.1	8825.5	8753.5	8520.9	8110.5	7746.7	7385.6	7203.8	7176.9
22.5°	7952.6	7945.4	7949.7	7896.1	7862.2	7711.3	7399.8	7074.0	6759.5	6542.3	6454.9
19.5°	7461.8	7467.3	7473.0	7460.5	7429.4	7315.1	7031.7	6712.9	6429.3	6199.5	6098.1
17°	7532.3	7538.0	7535.2	7528.0	7495.6	7367.2	7090.7	6781.9	6500.0	6237.6	6110.8
15°	7866.5	7877.9	7869.4	7848.1	7808.7	7660.7	7375.6	7042.9	6775.0	6463.4	6333.4
13°	8461.7	8470.1	8461.7	8429.3	8369.8	8226.1	7944.1	7567.6	7279.8	6901.9	6734.1
11°	8715.4	8716.9	8713.9	8681.6	8625.3	8494.0	8188.0	7810.2	7515.3	7137.3	6934.3
9°	8567.5	8580.0	8571.7	8544.8	8506.7	8392.4	8104.8	7759.4	7488.7	7137.3	6966.7
7°	8382.7	8391.2	8388.2	8375.7	8344.6	8251.5	7997.5	7666.2	7440.6	7097.9	6948.5
5°	8419.3	8430.5	8429.3	8423.6	8391.2	8296.8	8059.7	7739.5	7553.4	7209.3	7041.4
3°	8442.0	8451.9	8463.1	8455.9	8442.0	8382.7	8171.3	7879.2	7693.1	7327.6	7119.1
1°	8483.0	8497.0	8515.2	8511.2	8516.7	8464.4	8259.9	7938.4	7719.8	7330.6	7182.6
0°	8564.5	8573.0	8592.7	8581.5	8570.2	8515.2	8289.6	7959.6	7711.3	7310.9	7191.1
-1°	8623.8	8629.5	8629.5	8612.6	8584.2	8519.4	8279.8	7939.9	7669.2	7243.1	7048.6
-3°	8685.8	8693.0	8666.1	8612.6	8573.0	8491.3	8240.3	7877.9	7580.3	7124.8	6876.5
-5°	8660.6	8666.1	8654.9	8567.5	8504.0	8416.4	8157.1	7787.5	7470.2	7013.3	6758.0
-7°	8522.2	8533.4	8492.8	8433.5	8324.9	8221.8	7946.9	7570.4	7241.7	6821.5	6594.4
-9°	8271.4	8300.8	8246.0	8200.7	8063.9	7945.4	7677.7	7333.5	7030.2	6650.9	6437.8
-11°	7916.0	7945.4	7924.5	7922.8	7821.4	7724.2	7489.9	7166.9	6875.1	6507.0	6289.8
-13°	7320.8	7361.7	7351.9	7399.8	7309.4	7250.1	7026.0	6756.7	6498.5	6136.0	5965.6
-15°	6717.2	6682.0	6682.0	6704.5	6643.7	6581.7	6373.0	6143.2	5893.4	5581.8	5423.9
-17°	6318.0	6295.5	6298.3	6309.7	6257.2	6198.2	6006.4	5772.1	5498.7	5205.3	5030.5
-19.5°	5763.7	5758.1	5760.9	5790.5	5762.4	5724.3	5550.9	5328.1	5081.3	4823.0	4665.1
-22.5°	5399.8	5405.5	5423.9	5419.7	5407.0	5374.6	5209.5	5014.8	4769.5	4548.1	4388.7
-25.5°	5502.9	5497.2	5507.1	5483.0	5463.3	5371.7	5160.2	4974.2	4706.2	4539.6	4422.6
-29°	5972.6	5966.8	5972.6	5955.6	5940.2	5814.7	5555.2	5345.0	5020.7	4866.9	4748.3
-33°	5927.5	5926.0	5927.5	5914.8	5877.9	5710.3	5415.5	5134.8	4809.1	4635.5	4615.8
-37.5°	5688.9	5684.7	5687.7	5669.3	5610.0	5404.3	5110.7	4786.4	4528.4	4431.1	4520.0
-42.5°	5167.2	5150.3	5143.3	5103.9	5020.7	4749.8	4477.6	4167.3	4031.9	4044.8	4257.7
-47.5°	3157.5	3126.6	3095.5	3070.3	2999.6	2797.9	2707.7	2568.0	2573.8	2648.5	2778.2
-55°	706.5	713.5	736.1	740.4	723.4	701.0	666.9	655.7	678.4	753.1	774.2
-65°	516.2	521.7	531.7	511.8	476.7	470.9	489.4	524.7	535.9	528.9	541.4
-75°	184.8	187.5	191.8	186.3	175.0	184.8	190.5	181.8	179.1	176.3	179.1
-85°	102.9	104.3	104.3	100.3	105.8	102.9	98.6	101.6	104.3	112.8	110.1
-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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CATALOG NUMBER: NFFLD-C55-D-UNV-66-7060-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°	100.3	97.4	85.9	80.4	85.9	97.4	98.6	93.1	77.7	57.8	43.6
75°	111.3	117.0	122.5	127.0	131.0	122.5	124.2	134.0	131.0	105.8	59.3
65°	286.4	215.7	167.8	153.7	145.2	145.2	142.4	160.9	156.6	129.7	74.7
55°	1414.5	1386.4	307.5	932.1	949.1	913.7	265.0	221.4	184.8	143.9	91.6
47.5°	3486.2	3407.3	3273.3	2971.5	2216.9	2521.5	2332.7	291.9	190.5	159.4	104.3
42.5°	4729.9	4696.3	4594.7	4374.5	3494.7	3298.7	3756.9	911.2	189.0	176.3	112.8
37.5°	6560.8	6691.8	6497.0	6150.1	5402.8	4600.4	5006.6	1393.3	199.0	196.0	121.3
33°	8259.9	8419.3	8255.7	7819.9	7030.2	5811.7	5515.6	2895.3	222.9	215.7	128.5
29°	8295.1	8504.0	8522.2	7932.7	7340.5	6185.5	5571.9	3286.0	243.8	231.3	135.5
25.5°	7336.3	7542.0	7557.7	7243.1	6741.1	5976.8	5213.8	3342.3	262.2	243.8	139.5
22.5°	6553.6	6762.3	6862.4	6677.6	6401.2	5783.5	4780.9	3479.2	282.1	253.8	143.9
19.5°	6162.8	6361.8	6532.4	6450.7	6281.4	5705.9	4572.0	3661.0	303.1	261.0	148.2
17°	6137.7	6343.4	6564.8	6604.4	6433.5	5825.9	4607.4	3867.0	320.2	265.0	150.9
15°	6346.3	6581.7	6845.4	6947.0	6731.1	6076.9	4732.9	4150.6	325.7	269.4	152.4
13°	6763.5	7083.8	7402.5	7506.9	7130.3	6454.9	4946.0	4532.7	330.0	274.9	153.7
11°	6989.4	7357.4	7714.1	7724.2	7251.6	6648.0	5041.7	4784.9	331.2	282.1	155.1
9°	7027.5	7372.9	7678.9	7612.7	7144.5	6650.9	5022.0	4907.7	332.9	287.6	156.6
7°	6994.9	7323.6	7553.4	7463.1	6997.8	6631.0	4986.7	4967.0	332.9	291.9	156.6
5°	7092.2	7420.9	7601.5	7440.6	6954.0	6642.5	4990.9	5023.3	330.0	294.6	157.9
3°	7148.7	7466.0	7605.5	7367.2	6887.8	6618.5	4975.4	5047.4	327.2	293.4	157.9
1°	7165.7	7436.4	7546.4	7274.3	6808.8	6576.2	4940.1	5050.2	322.8	287.6	157.9
0°	7129.1	7399.8	7502.6	7236.2	6775.0	6553.6	4926.1	5050.2	331.2	284.9	157.9
-1°	7041.4	7343.5	7459.0	7205.0	6746.8	6532.4	4914.9	5050.2	325.7	280.7	157.9
-3°	6882.3	7210.8	7357.4	7138.8	6677.6	6468.9	4893.5	5038.9	325.7	274.9	157.9
-5°	6762.3	7078.0	7233.2	7037.4	6587.4	6361.8	4844.2	5007.8	324.5	272.2	156.6
-7°	6602.9	6887.8	7066.8	6907.4	6481.6	6222.1	4769.5	4947.3	320.2	272.2	156.6
-9°	6435.2	6688.8	6877.8	6741.1	6346.3	6044.5	4687.8	4862.6	317.3	272.2	155.1
-11°	6279.9	6501.5	6676.3	6549.3	6185.5	5834.3	4562.3	4699.0	313.0	269.4	153.7
-13°	5959.9	6115.0	6267.2	6157.3	5800.5	5433.9	4314.0	4384.5	308.8	266.5	152.4
-15°	5415.5	5542.5	5663.5	5584.8	5294.2	4888.0	3961.6	3993.8	304.6	262.2	149.4
-17°	5024.8	5176.9	5298.4	5218.0	4983.9	4525.7	3709.1	3704.6	301.8	258.0	148.2
-19.5°	4701.8	4895.2	5037.5	4951.5	4762.5	4239.3	3512.9	3453.8	297.6	255.3	145.2
-22.5°	4419.8	4617.3	4754.0	4703.2	4601.9	4056.0	3494.7	3215.5	287.6	252.5	141.0
-25.5°	4503.0	4690.5	4807.6	4771.0	4628.5	3978.5	3668.0	3065.9	279.2	249.8	138.2
-29°	4873.8	5130.6	5316.6	5079.8	5027.5	4020.7	4064.5	3011.0	272.2	243.8	132.5
-33°	4888.0	5140.3	5182.9	5010.8	4885.3	3697.7	4141.9	2689.5	266.5	232.8	127.0
-37.5°	4800.6	4952.8	4885.3	4672.1	4173.0	3448.1	4034.8	2101.1	256.5	214.4	119.8
-42.5°	4518.5	4641.2	4425.6	4198.4	3345.3	3087.0	3329.6	1339.8	251.0	191.8	111.3
-47.5°	2967.4	2888.3	2829.0	2606.1	2067.5	2121.0	1789.8	313.0	241.3	164.9	104.3
-55°	784.0	775.7	755.8	654.4	574.0	509.0	334.2	248.1	229.9	142.4	93.1
-65°	547.3	524.7	465.4	297.6	262.2	219.9	246.8	208.7	156.6	122.5	77.7
-75°	184.8	175.0	150.9	146.7	138.2	146.7	155.1	128.5	110.1	95.9	62.0
-85°	114.3	108.6	87.4	77.7	84.7	94.4	94.4	85.9	66.2	53.5	45.1
-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)