

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: P958824

Luminaire Tested: **NFFLD-C70-D-UNV-66-TS2-8040**

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393781)
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-TS2-8040
Description: FLOODLIGHT WITH TOP AND SIDE VISORS
Light Source: (2) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

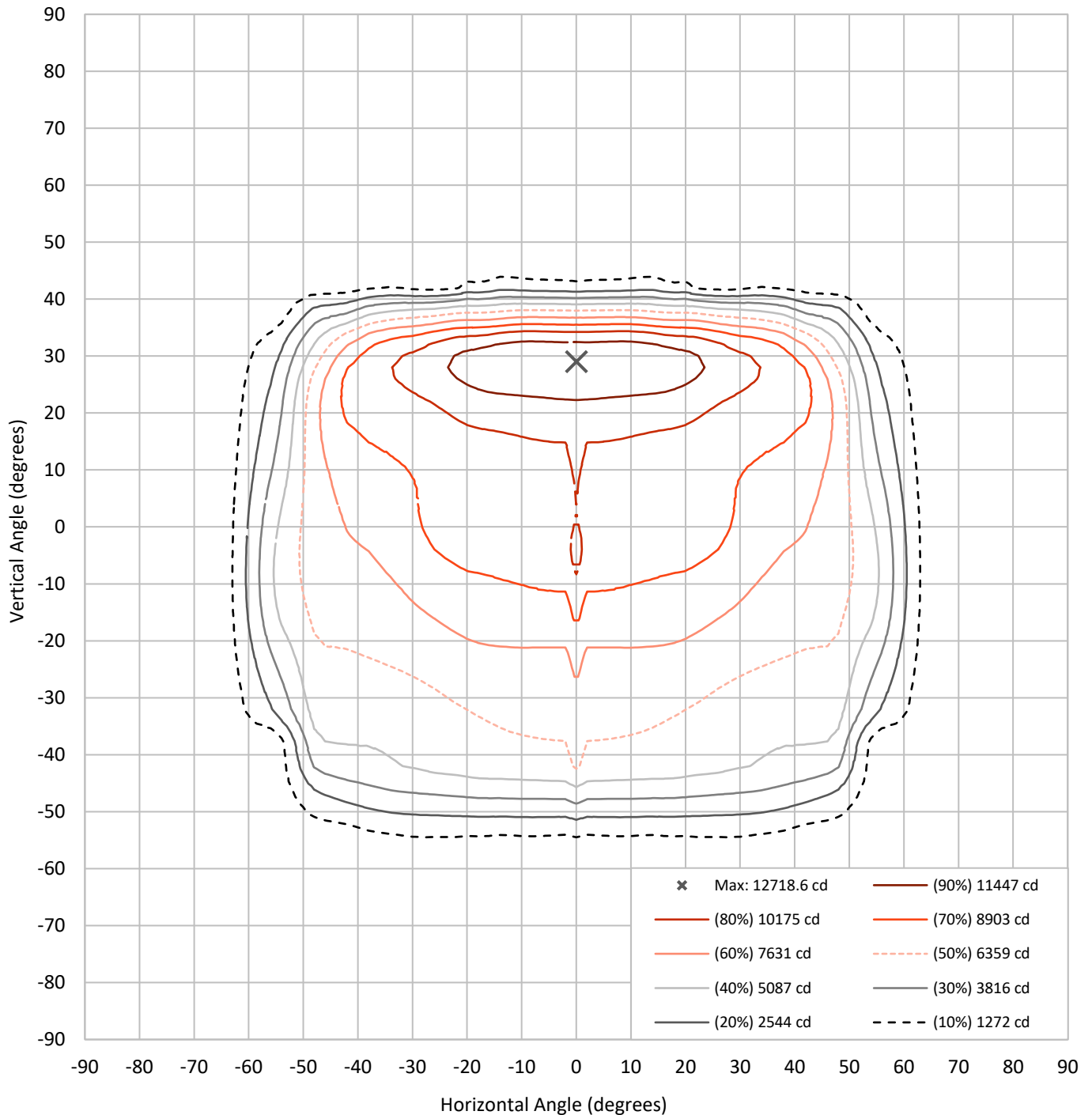
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	20737.1 lumens	Max Intensity:	12718.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	112.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.3' x L: 0.62' x H: 0')		
Beam Angle (50%):	94.6°H x 80.7°V	Field Angle (10%):	119.6°H x 96.7°V
Beam Lumens:	15344 lumens	Field Lumens:	20201.5 lumens
Beam Efficiency:	74.0%	Field Efficiency:	97.4%

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

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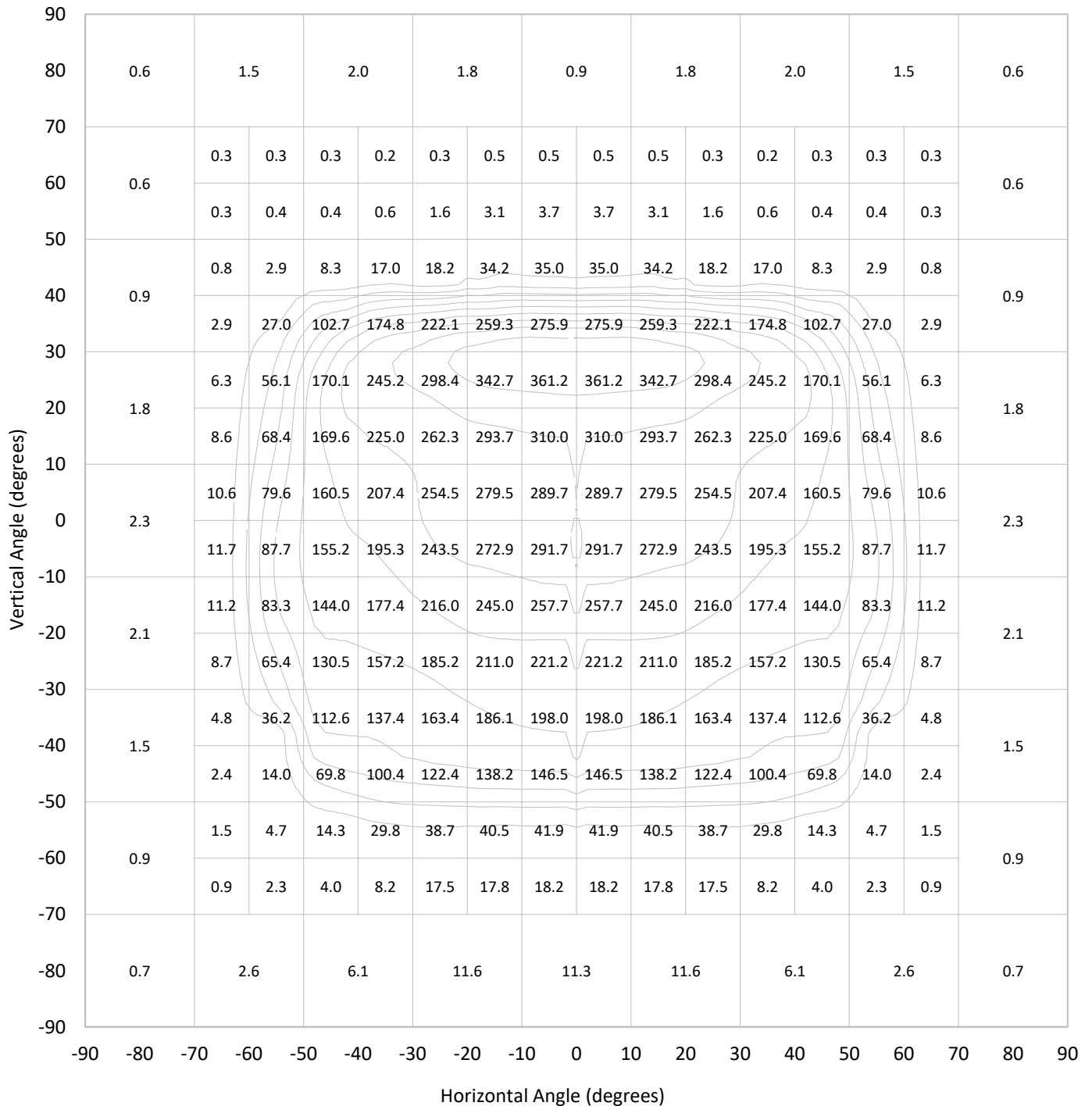
Iso-Candela Plot





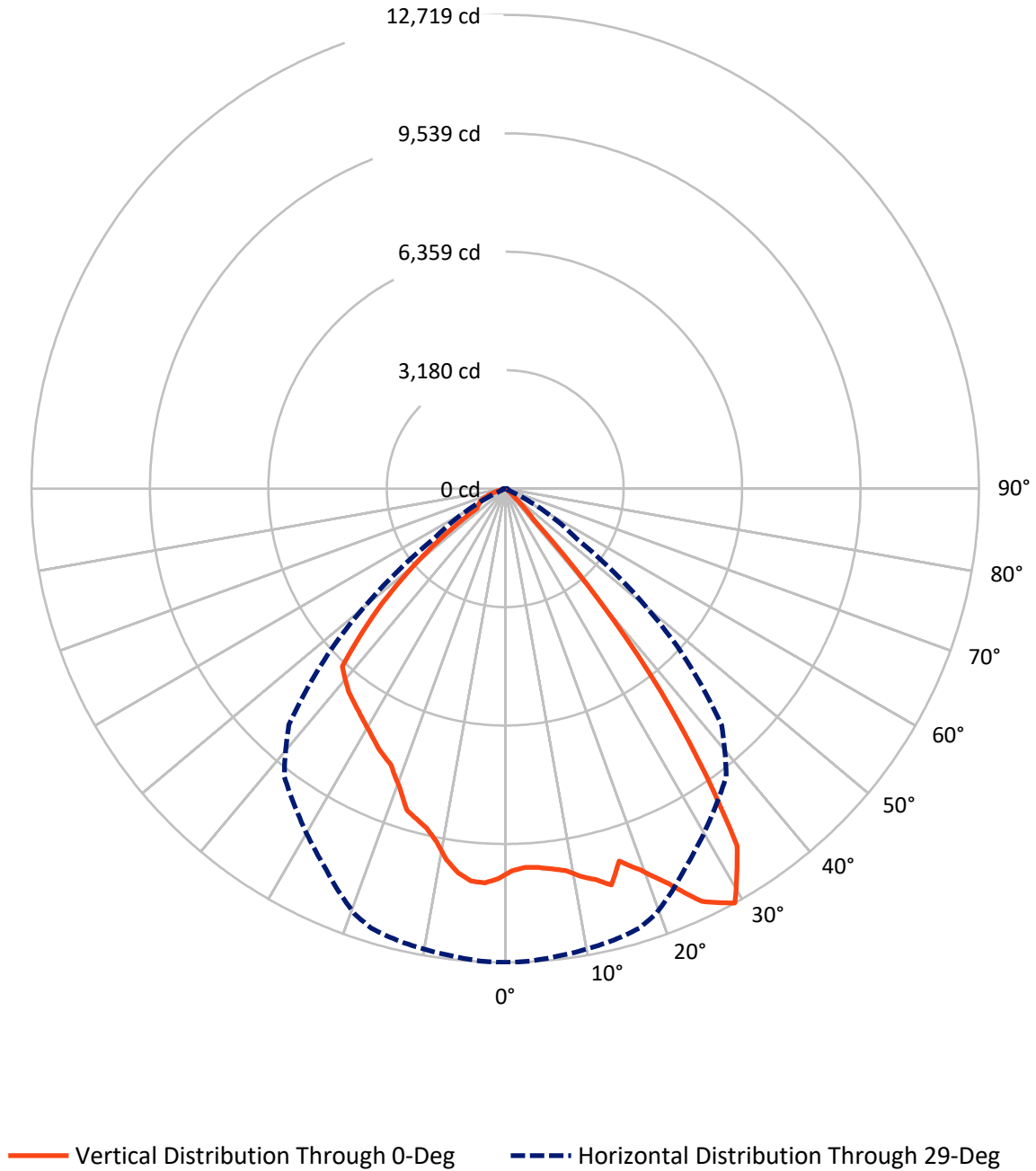
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Lumen Table



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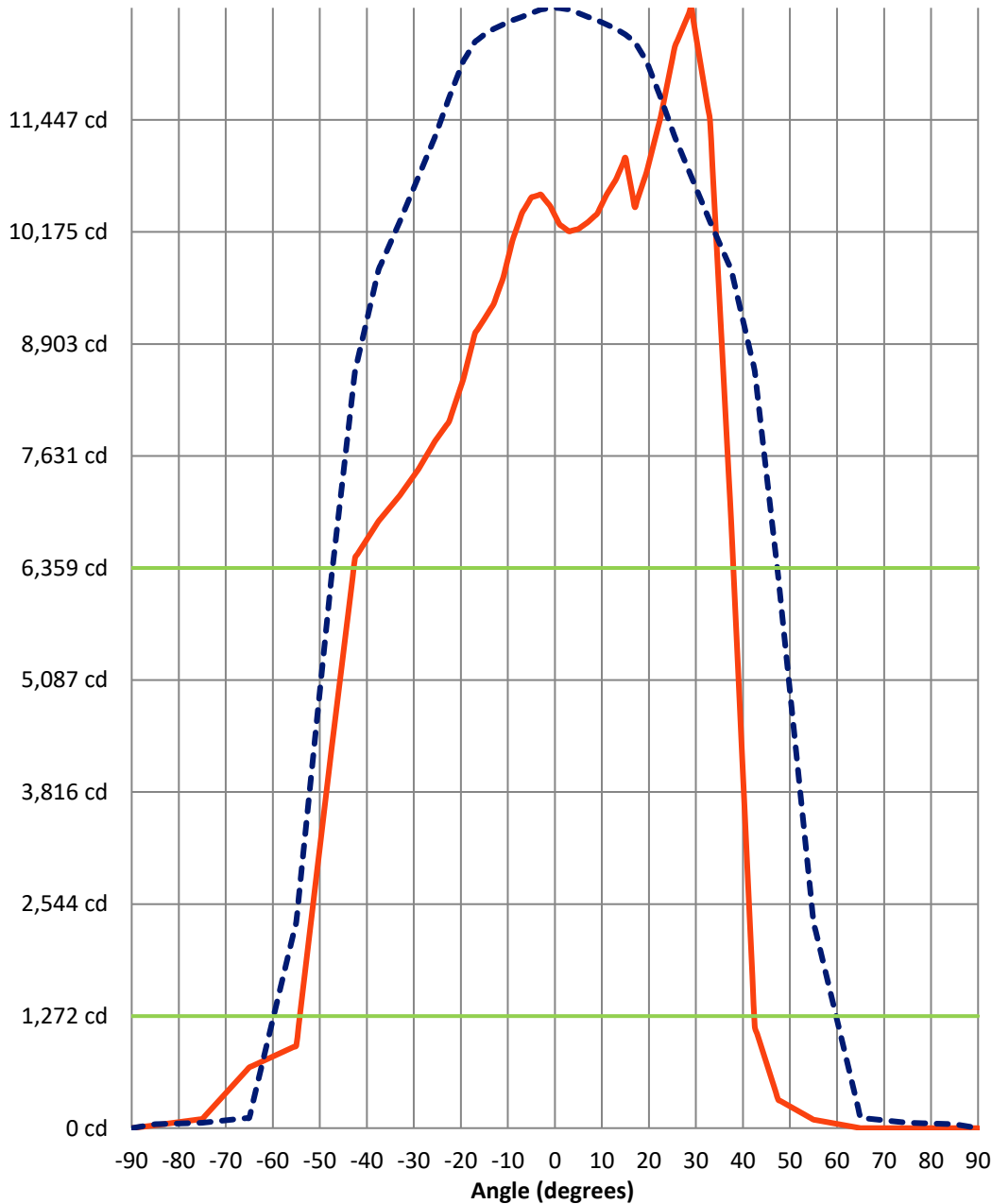
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 94.6°
 V Angle: 80.7°
 Lumens: 15344
 Efficiency: 74.0%

Field:
 H Angle: 119.6°
 V Angle: 96.7°
 Lumens: 20201.5
 Efficiency: 97.4%

Spill:
 Lumens: 535.6
 Efficiency: 2.6%

- 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°	0.0	4.8	11.3	11.3	12.8	16.1	20.9	24.1	27.2	28.6	30.6
75°	0.0	1.7	4.8	8.0	9.6	9.6	9.6	9.6	9.6	9.6	9.6
65°	0.0	0.0	3.3	4.8	6.3	6.3	8.0	8.0	8.0	8.0	6.3
55°	96.3	93.0	96.3	96.3	96.3	94.6	88.3	80.2	75.4	77.0	70.6
47.5°	322.3	324.0	321.0	314.4	311.3	307.9	301.4	295.1	280.7	274.5	269.4
42.5°	1156.6	1268.7	1241.8	1340.9	1304.1	1397.1	1533.5	1646.0	1652.3	904.7	1345.8
37.5°	6875.2	6902.4	6924.8	6988.9	6960.2	6993.9	6926.5	6786.8	6573.6	6486.9	6528.8
33°	11432.3	11381.0	11403.4	11475.9	11522.1	11576.8	11496.6	11352.1	11085.9	10899.8	10811.7
29°	12718.6	12715.5	12699.6	12659.3	12616.3	12577.8	12529.6	12479.8	12415.5	12332.2	12111.0
25.5°	12276.1	12255.1	12224.9	12159.1	12125.4	12093.2	12046.7	12000.2	11929.7	11830.3	11620.1
22.5°	11480.5	11467.7	11450.1	11393.8	11349.0	11313.6	11267.1	11246.2	11196.6	11138.9	10992.7
19.5°	10853.3	10840.6	10842.0	10814.8	10784.2	10739.5	10683.1	10631.8	10590.2	10559.8	10477.8
17°	10455.4	10436.1	10439.4	10431.5	10400.9	10349.6	10298.1	10229.3	10173.2	10139.2	10072.3
15°	11017.4	10187.4	10192.5	10174.6	10141.2	10091.4	10041.5	9980.6	9922.8	9857.1	9788.3
13°	10771.4	9959.7	9963.0	9946.9	9913.2	9874.7	9836.2	9780.0	9736.7	9674.1	9602.2
11°	10598.0	9804.1	9794.5	9784.9	9754.6	9717.7	9683.7	9637.3	9600.5	9544.4	9491.4
9°	10381.7	9619.8	9610.1	9605.3	9582.9	9550.9	9523.4	9491.4	9469.0	9437.0	9419.2
7°	10284.5	9528.4	9518.8	9513.8	9497.7	9480.1	9454.6	9435.1	9435.1	9440.1	9453.2
5°	10208.6	9457.7	9454.6	9456.0	9457.7	9449.7	9441.6	9446.4	9477.0	9502.7	9510.4
3°	10180.7	9428.8	9440.1	9451.2	9467.3	9481.8	9499.4	9528.4	9565.1	9566.8	9554.0
1°	10260.3	9497.7	9531.4	9560.5	9589.2	9611.8	9614.9	9603.8	9605.3	9587.7	9667.9
0°	10362.5	9589.2	9623.1	9637.3	9666.1	9674.1	9645.5	9618.1	9595.7	9555.5	9687.2
-1°	10468.0	9690.2	9708.1	9709.5	9723.9	9714.3	9661.3	9618.1	9571.6	9499.4	9529.7
-3°	10599.8	9818.6	9813.7	9794.5	9791.3	9743.2	9663.1	9595.7	9515.5	9404.7	9335.7
-5°	10566.8	9783.5	9765.9	9740.1	9704.7	9645.5	9544.4	9457.7	9355.1	9230.0	9162.6
-7°	10388.5	9624.6	9590.9	9573.0	9496.2	9408.1	9292.3	9188.3	9100.0	9015.0	8984.6
-9°	10080.1	9343.8	9294.3	9286.0	9175.3	9077.6	8994.2	8919.0	8872.2	8827.2	8811.3
-11°	9654.0	8952.4	8920.3	8937.9	8866.0	8828.9	8790.3	8742.2	8705.3	8668.6	8634.9
-13°	9357.9	8671.7	8657.3	8655.8	8626.9	8618.7	8599.5	8572.3	8543.4	8500.0	8455.0
-15°	9186.3	8513.0	8500.0	8492.1	8476.0	8471.1	8453.5	8418.4	8379.7	8323.5	8253.0
-17°	9021.7	8366.9	8352.7	8343.1	8327.0	8313.9	8301.1	8262.6	8211.4	8145.7	8030.1
-19.5°	8498.6	7888.8	7872.9	7869.7	7871.2	7879.1	7877.7	7847.1	7828.1	7794.1	7690.2
-22.5°	8022.1	7436.6	7433.3	7436.6	7441.4	7444.6	7441.4	7428.5	7409.5	7367.5	7259.9
-25.5°	7798.8	7226.5	7221.7	7223.1	7216.9	7212.1	7199.3	7174.9	7151.1	7107.8	7003.5
-29°	7481.8	6934.4	6933.0	6931.1	6924.8	6905.6	6878.3	6844.6	6811.2	6757.9	6658.8
-33°	7181.8	6655.4	6652.3	6640.7	6626.5	6604.1	6571.9	6527.1	6475.6	6409.9	6302.3
-37.5°	6890.9	6373.0	6374.7	6360.2	6344.1	6318.7	6286.3	6246.1	6185.2	6113.3	6010.5
-42.5°	6473.6	5960.8	5951.2	5893.4	5877.3	5811.6	5790.6	5753.8	5715.3	5723.5	5603.1
-47.5°	4304.6	3931.6	3949.2	3901.1	3931.6	3897.9	3928.5	3869.0	3878.6	3877.0	3824.0
-55°	935.4	856.6	887.1	917.5	940.1	949.5	916.0	885.4	896.7	970.4	935.3
-65°	689.5	636.8	636.8	633.7	628.8	625.4	627.2	630.2	630.2	640.1	662.6
-75°	104.0	94.6	96.3	94.6	88.3	91.5	99.5	96.3	99.5	99.5	99.5
-85°	33.0	30.6	28.6	33.7	35.4	41.7	48.2	51.3	54.4	56.3	56.3
-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-C70-D-UNV-66-TS2-8040

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°	32.0	32.0	33.7	33.7	32.0	32.0	32.0	32.0	32.0	33.7	35.4
75°	11.3	12.8	14.4	17.6	19.3	22.4	22.4	25.7	28.6	32.0	35.4
65°	6.3	4.8	4.8	4.8	6.3	8.0	12.8	17.6	24.1	28.6	33.7
55°	57.8	38.2	17.6	16.1	16.1	14.4	12.8	14.4	24.1	28.6	33.7
47.5°	221.5	147.6	89.8	73.7	67.4	54.4	49.6	51.3	43.3	30.6	35.4
42.5°	352.9	354.4	290.3	893.7	755.7	295.1	306.5	210.2	60.9	35.4	37.0
37.5°	6458.0	5986.4	5850.1	5506.8	5048.2	3665.4	3291.5	316.1	78.7	44.8	40.2
33°	10681.7	10193.9	9497.7	9343.8	8543.4	7024.3	5049.8	1759.6	97.8	53.0	41.7
29°	11698.5	11254.4	10803.5	10290.5	9744.9	8596.3	6260.9	2341.9	117.0	60.9	44.8
25.5°	11307.4	10967.2	10583.9	10150.5	9828.2	9160.8	7118.8	2760.6	136.3	72.2	46.7
22.5°	10691.3	10362.4	10054.2	9756.2	9578.1	9172.2	7454.2	3043.0	157.2	85.0	49.6
19.5°	10216.6	9908.7	9630.8	9416.0	9345.3	8990.9	7544.0	3273.9	176.5	96.3	51.3
17°	9829.9	9566.8	9364.7	9231.7	9157.8	8731.2	7536.1	3464.8	195.8	101.1	51.3
15°	9579.7	9340.5	9197.7	9112.7	8979.6	8495.4	7487.6	3633.3	211.9	105.9	53.0
13°	9428.8	9247.5	9133.7	9005.4	8755.2	8251.6	7427.0	3809.8	222.9	109.1	53.0
11°	9343.8	9201.1	9093.7	8856.1	8513.0	8079.6	7375.8	3994.2	229.5	112.2	54.4
9°	9311.8	9165.6	8987.8	8666.9	8338.0	7961.2	7329.0	4201.3	234.0	115.6	54.4
7°	9363.1	9204.2	8936.5	8559.5	8193.8	7877.7	7295.3	4408.0	237.3	118.7	54.4
5°	9408.1	9255.5	8926.6	8445.4	8068.6	7794.1	7263.3	4611.8	240.5	122.0	56.3
3°	9440.1	9284.6	8912.2	8330.0	7961.2	7715.7	7237.5	4800.9	242.1	123.5	56.3
1°	9531.4	9268.5	8866.0	8235.5	7880.8	7658.1	7210.3	4974.3	239.1	123.5	56.3
0°	9470.5	9223.4	8819.2	8195.2	7839.1	7632.4	7197.6	5049.8	239.1	122.0	56.3
-1°	9347.0	9164.3	8764.9	8156.9	7802.3	7608.0	7191.0	5125.0	237.3	122.0	56.3
-3°	9162.6	9019.8	8650.7	8086.2	7717.4	7540.6	7173.5	5255.0	235.9	120.4	54.4
-5°	9003.9	8881.8	8528.9	7986.8	7609.8	7449.4	7126.8	5338.3	234.0	118.7	54.4
-7°	8867.4	8705.3	8358.9	7848.8	7487.6	7335.5	7077.2	5389.6	232.5	117.0	54.4
-9°	8694.0	8493.5	8140.8	7690.2	7353.1	7197.6	7008.3	5396.1	231.1	115.6	53.0
-11°	8501.7	8275.4	7929.2	7524.8	7223.1	7066.1	6920.0	5354.4	229.5	112.2	51.3
-13°	8291.5	8044.5	7727.0	7370.7	7088.5	6937.6	6825.4	5255.0	227.7	112.2	51.3
-15°	8060.6	7811.9	7520.0	7223.1	6966.5	6795.1	6716.4	5105.8	227.7	110.7	49.6
-17°	7811.9	7548.8	7297.0	7056.5	6825.4	6653.8	6591.2	4900.6	224.4	109.1	48.2
-19.5°	7478.3	7236.1	7032.2	6839.8	6627.9	6472.6	6426.0	4560.5	219.8	107.4	46.7
-22.5°	7053.2	6827.0	6660.0	6531.9	6392.3	6279.9	6270.2	4111.4	211.9	104.3	44.8
-25.5°	6815.7	6610.4	6450.1	6311.9	6204.5	6150.1	6132.2	3657.4	202.0	101.1	41.7
-29°	6504.7	6330.0	6182.1	6037.7	5944.7	5948.1	5962.3	3129.4	194.0	94.6	40.2
-33°	6159.8	6012.1	5862.9	5705.6	5606.3	5614.2	5635.2	2544.2	195.8	86.7	38.2
-37.5°	5883.8	5742.8	5564.6	5367.2	5200.3	5192.5	5121.9	344.7	200.6	75.4	37.0
-42.5°	5465.0	5407.4	5166.9	4996.7	4688.8	4412.9	4027.9	340.2	192.3	60.9	37.0
-47.5°	3732.8	3657.4	3585.2	3500.2	3216.4	2788.1	2194.4	319.2	169.9	46.7	35.4
-55°	1004.2	997.7	1031.4	943.2	777.8	299.9	309.6	200.6	112.2	37.0	35.4
-65°	709.0	718.7	564.8	299.9	210.2	147.6	210.2	120.4	60.9	35.4	35.4
-75°	99.5	91.5	67.4	73.7	77.0	77.0	72.2	46.7	38.2	37.0	35.4
-85°	56.3	56.3	54.4	53.0	51.3	48.2	46.7	43.3	41.7	38.2	37.0
-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)