

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: P958821

Luminaire Tested: **NFFLD-C55-D-UNV-66-VS**

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393771)
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-VS
Description: FLOODLIGHT WITH VANDAL SHIELD
Light Source: (2) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

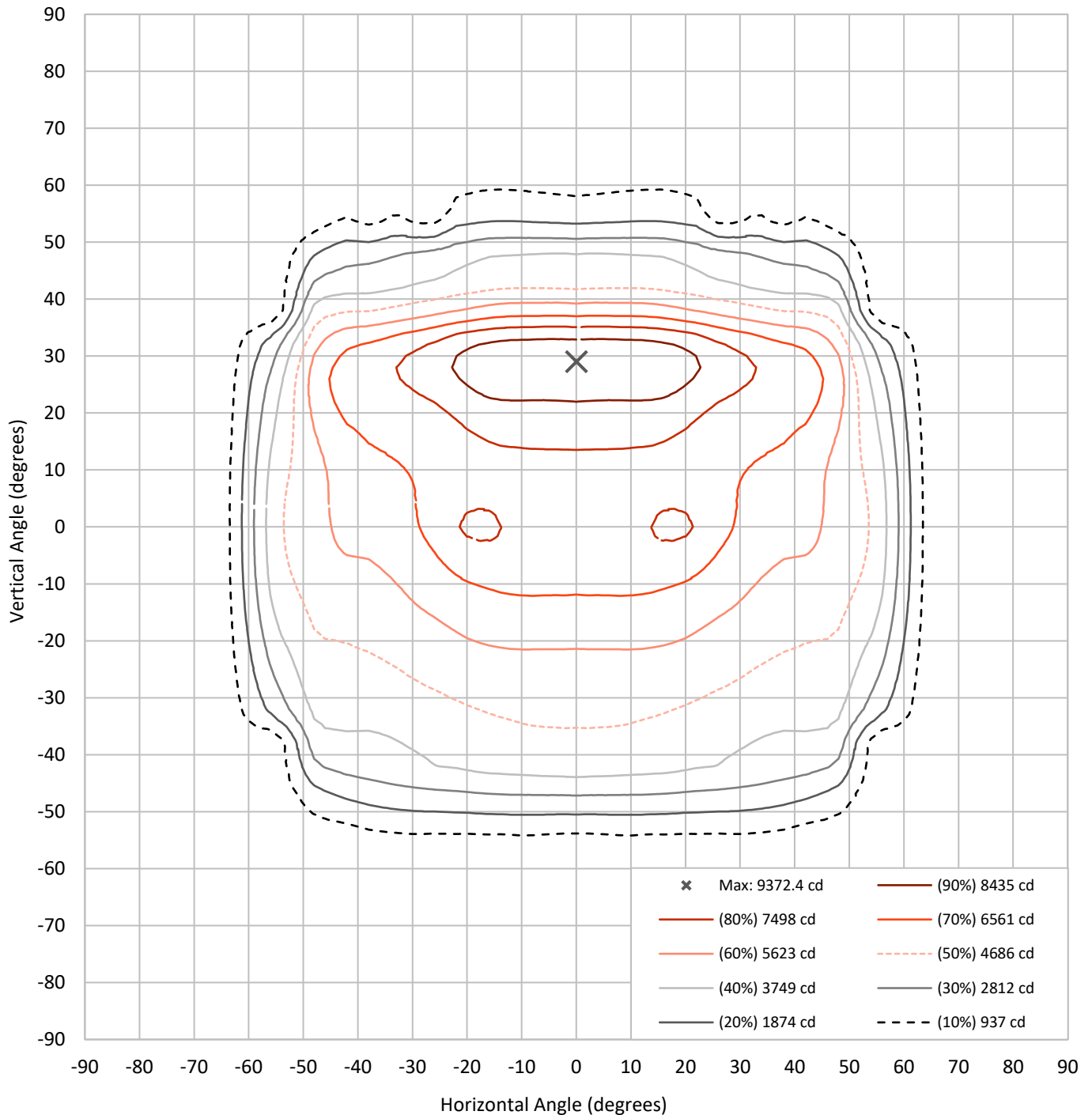
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	16985.6 lumens	Max Intensity:	9372.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	117.1 lumens/watt		
Luminous Opening:	(L: 1.33 ' x W: 0 ' x H: 0.67 ')		
Beam Angle (50%):	101.4°H x 77°V	Field Angle (10%):	124.2°H x 111.9°V
Beam Lumens:	12275.4 lumens	Field Lumens:	16437.3 lumens
Beam Efficiency:	72.3%	Field Efficiency:	96.8%
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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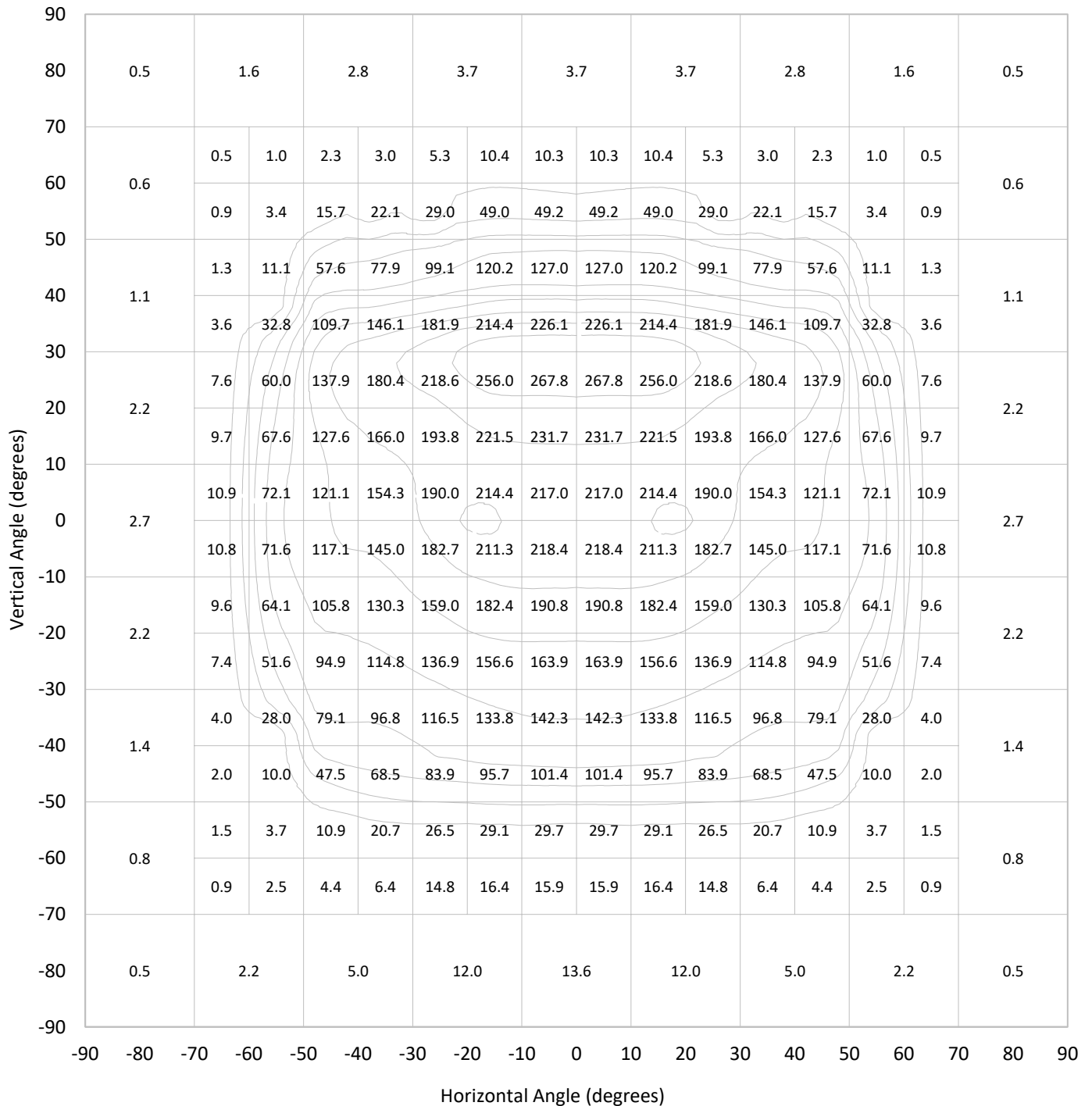
Iso-Candela Plot





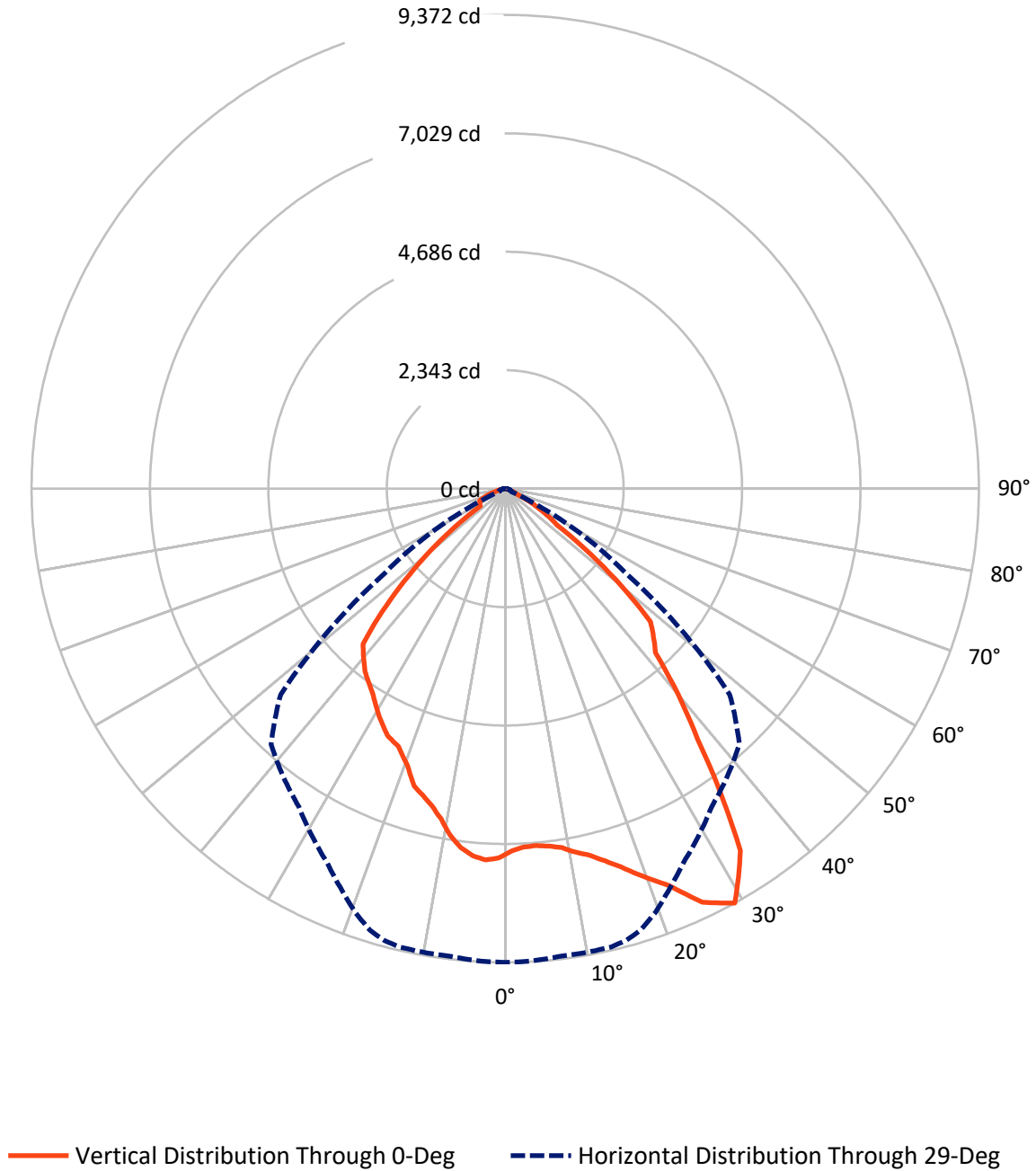
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Lumen Table



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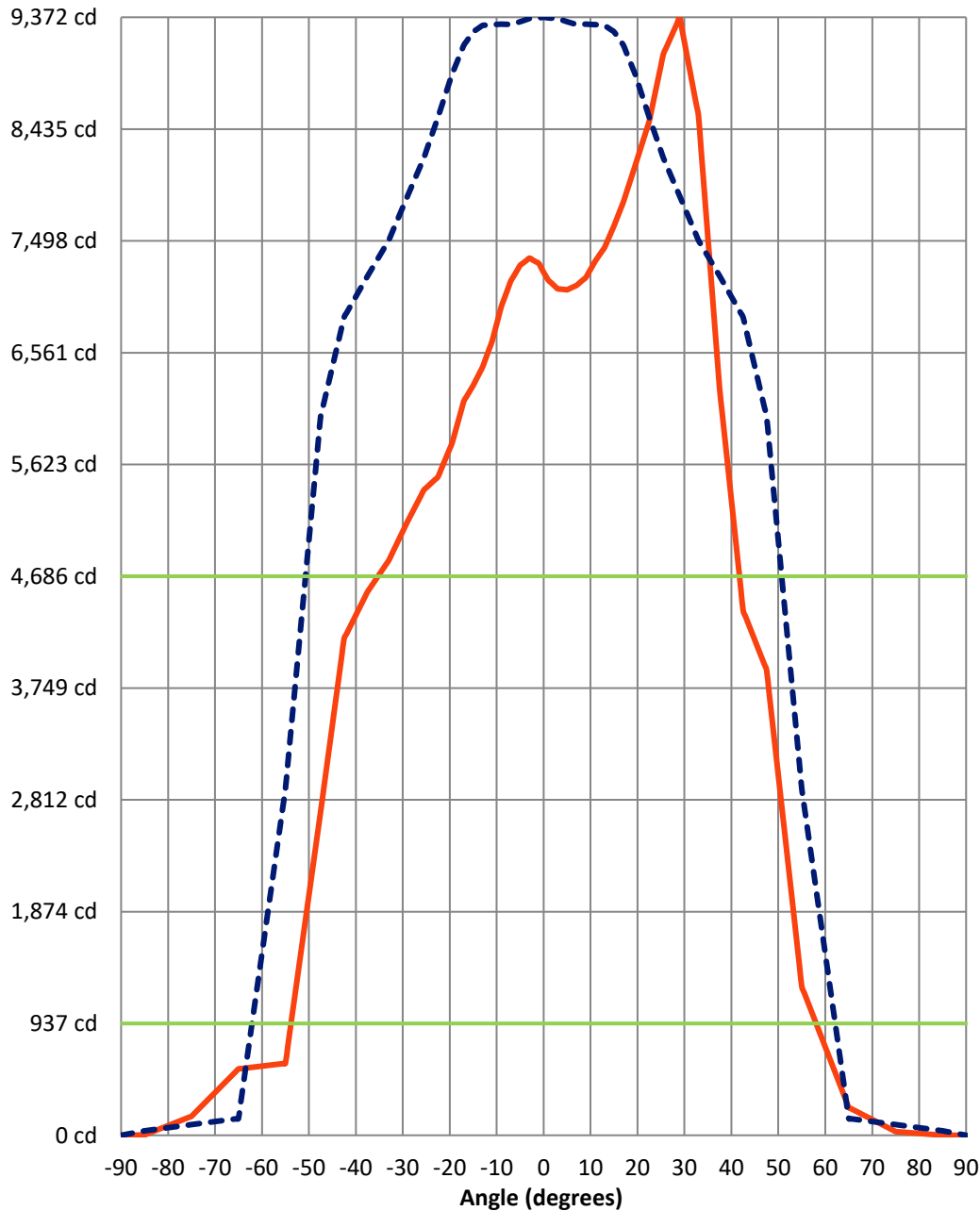
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 101.4°
 V Angle: 77°
 Lumens: 12275.4
 Efficiency: 72.3%

Field:
 H Angle: 124.2°
 V Angle: 111.9°
 Lumens: 16437.3
 Efficiency: 96.8%

Spill:
 Lumens: 548.3
 Efficiency: 3.2%

— 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	4.0	9.4	10.6	13.5	17.5	21.5	26.8	28.2	29.5	31.0
75°	31.0	31.0	29.5	26.8	24.0	26.8	28.2	28.2	26.8	21.5	18.7
65°	233.2	233.2	234.6	230.6	221.3	215.9	210.5	218.5	234.6	248.1	231.8
55°	1246.9	1278.9	1277.7	1338.1	1362.1	1406.2	1445.3	1457.3	1459.9	1419.7	1330.0
47.5°	3900.0	3932.2	3921.3	3925.4	3898.6	3885.1	3859.6	3842.3	3831.6	3780.5	3597.0
42.5°	4400.0	4424.2	4442.9	4464.4	4475.1	4480.5	4479.1	4457.6	4398.6	4290.2	4186.7
37.5°	6255.6	6317.1	6319.8	6321.2	6293.0	6273.1	6284.9	6247.3	6188.6	6089.2	5914.9
33°	8542.7	8552.0	8584.1	8581.5	8584.1	8525.2	8538.6	8486.3	8393.8	8286.5	8121.8
29°	9372.4	9367.0	9361.8	9335.0	9312.1	9314.7	9310.7	9304.1	9250.6	9137.9	8895.2
25.5°	9062.8	9042.7	9034.6	8989.1	8966.2	8995.8	9007.9	8995.8	8949.0	8821.5	8584.1
22.5°	8501.1	8486.3	8472.9	8455.4	8451.5	8463.6	8464.8	8464.8	8440.7	8349.6	8152.5
19.5°	8128.2	8118.9	8113.7	8096.2	8096.2	8104.3	8094.8	8066.7	8026.6	7959.3	7800.0
17°	7825.3	7817.3	7809.2	7802.5	7792.0	7792.0	7795.8	7767.8	7728.8	7660.4	7512.9
15°	7624.1	7614.9	7618.9	7606.9	7609.7	7597.4	7590.8	7573.5	7535.9	7451.3	7314.5
13°	7443.3	7439.3	7446.1	7437.8	7440.7	7428.4	7413.9	7404.2	7374.8	7295.8	7172.4
11°	7328.0	7322.5	7319.8	7322.5	7321.3	7319.8	7303.8	7283.7	7244.9	7161.8	7053.2
9°	7191.1	7185.8	7188.5	7192.6	7191.1	7189.9	7179.3	7165.9	7135.0	7069.3	6983.3
7°	7124.2	7128.2	7124.2	7129.4	7129.4	7131.0	7141.7	7150.9	7165.9	7164.4	7089.4
5°	7088.0	7089.4	7089.4	7096.0	7102.6	7120.1	7160.4	7213.9	7285.1	7342.9	7277.1
3°	7096.0	7094.5	7102.6	7116.1	7137.6	7173.9	7246.3	7342.9	7471.4	7547.9	7487.5
1°	7168.4	7172.4	7198.0	7224.7	7256.8	7291.8	7353.6	7433.8	7574.7	7659.1	7730.2
0°	7234.2	7243.4	7254.4	7289.2	7311.9	7342.9	7381.5	7446.1	7573.5	7649.7	7758.2
-1°	7307.9	7299.8	7318.7	7334.8	7349.3	7372.3	7395.0	7441.9	7547.9	7608.3	7663.2
-3°	7353.6	7360.2	7362.8	7364.2	7381.5	7381.5	7382.9	7416.5	7472.8	7490.1	7380.3
-5°	7293.0	7295.8	7290.6	7291.8	7303.8	7301.2	7279.7	7295.8	7290.6	7236.9	7121.6
-7°	7160.4	7164.4	7156.3	7152.3	7160.4	7123.0	7085.3	7071.9	7020.9	6964.8	6876.1
-9°	6948.5	6965.8	6941.9	6939.1	6921.8	6889.5	6844.1	6823.8	6774.2	6726.0	6652.3
-11°	6653.8	6677.7	6663.0	6671.1	6668.4	6668.4	6642.8	6627.0	6575.9	6512.9	6435.1
-13°	6440.4	6455.3	6450.0	6452.6	6463.4	6480.7	6461.8	6448.5	6396.2	6330.6	6255.6
-15°	6286.3	6303.7	6302.3	6301.1	6311.7	6325.1	6310.5	6294.4	6242.1	6175.0	6089.2
-17°	6153.5	6163.0	6167.0	6163.0	6161.6	6161.6	6145.5	6128.2	6077.1	6004.6	5908.3
-19.5°	5802.2	5815.7	5818.5	5815.7	5813.1	5814.3	5819.7	5798.2	5764.8	5719.3	5649.5
-22.5°	5519.5	5522.1	5524.8	5527.6	5527.6	5530.2	5529.0	5512.7	5485.9	5453.8	5377.3
-25.5°	5409.7	5410.9	5412.1	5413.5	5406.8	5405.4	5389.3	5366.6	5331.8	5299.6	5223.2
-29°	5144.1	5150.7	5152.2	5146.7	5145.5	5132.0	5107.8	5073.1	5038.3	5007.4	4932.2
-33°	4818.3	4824.9	4823.5	4811.5	4810.3	4788.7	4759.4	4720.6	4678.7	4624.0	4538.2
-37.5°	4556.9	4558.1	4556.9	4547.5	4540.6	4523.3	4493.8	4453.7	4401.5	4341.1	4259.1
-42.5°	4162.8	4162.8	4142.5	4123.8	4106.4	4067.5	4048.7	4020.7	3995.2	3975.0	3881.1
-47.5°	2713.3	2706.9	2681.3	2696.0	2689.4	2678.5	2686.5	2676.0	2651.7	2623.5	2567.2
-55°	603.2	604.6	619.3	654.3	683.9	699.8	694.6	658.4	659.6	690.3	646.3
-65°	556.3	557.7	560.3	564.4	564.4	565.8	579.1	595.1	604.6	622.2	636.8
-75°	159.5	162.1	163.6	160.8	158.3	162.1	167.6	163.6	164.8	164.8	150.1
-85°	2.8	6.7	13.5	18.7	22.8	28.2	31.9	36.2	37.4	37.4	37.4
-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-VS

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°	31.0	31.0	31.0	31.0	31.0	31.0	29.5	29.5	29.5	29.5	29.5
75°	18.7	21.5	25.6	36.2	37.4	36.2	26.8	28.2	29.5	28.2	29.5
65°	182.3	115.3	73.8	57.8	48.2	57.8	53.5	45.5	39.1	28.2	28.2
55°	1207.9	293.5	282.9	933.0	281.5	826.0	221.3	131.4	61.6	28.2	29.5
47.5°	3436.2	3251.1	3080.7	2873.0	2663.8	2528.4	2039.2	229.4	77.7	33.6	31.0
42.5°	4042.1	3838.3	3733.6	3536.7	3304.6	3311.5	3109.0	254.7	83.1	45.5	31.9
37.5°	5729.8	5520.7	5282.3	5052.9	4800.8	4745.8	4408.0	285.7	89.7	60.4	33.6
33°	7879.1	7495.6	7161.8	6864.2	6498.2	6235.4	5410.9	2312.7	113.9	75.0	34.8
29°	8534.7	8194.0	7872.3	7501.1	7203.3	6857.4	6024.9	2902.6	140.8	89.7	37.4
25.5°	8277.1	8005.1	7731.5	7427.2	7218.2	6984.7	6254.1	3306.0	166.4	103.2	40.3
22.5°	7863.0	7596.2	7374.8	7165.9	7035.8	6858.8	6121.3	3562.1	187.5	115.3	41.5
19.5°	7515.7	7274.3	7085.3	6933.8	6874.9	6663.0	5897.6	3763.2	211.9	125.9	44.3
17°	7259.6	7045.1	6888.3	6802.4	6744.7	6443.1	5734.0	3920.1	233.2	134.0	45.5
15°	7090.8	6901.7	6781.1	6717.9	6628.2	6262.2	5619.9	4038.0	251.9	139.5	45.5
13°	6984.7	6837.2	6747.5	6641.5	6479.3	6088.0	5526.2	4149.3	268.2	143.4	47.0
11°	6910.9	6803.9	6717.9	6535.6	6307.8	5971.2	5467.2	4247.3	280.1	146.1	47.0
9°	6869.4	6762.2	6641.5	6407.1	6176.2	5892.1	5447.1	4339.6	289.6	148.9	48.2
7°	6929.8	6782.3	6602.7	6336.1	6088.0	5869.5	5448.3	4410.9	294.9	150.1	48.2
5°	7037.0	6833.2	6604.0	6267.6	6020.8	5854.5	5451.1	4464.4	294.9	151.5	48.2
3°	7169.6	6886.9	6605.4	6199.2	5963.2	5837.2	5453.8	4498.0	296.1	151.5	48.2
1°	7322.5	6885.6	6578.5	6137.4	5909.6	5810.5	5443.0	4509.9	290.9	148.9	48.2
0°	7338.6	6857.4	6545.1	6105.2	5880.1	5792.8	5433.6	4511.5	289.6	147.5	48.2
-1°	7303.8	6810.5	6506.1	6073.3	5847.9	5772.9	5425.5	4509.9	289.6	146.1	48.2
-3°	7035.8	6691.2	6409.7	6003.4	5768.8	5718.0	5406.8	4490.0	289.6	142.0	48.2
-5°	6840.1	6561.2	6295.6	5908.3	5665.6	5624.0	5369.4	4450.9	290.9	139.5	47.0
-7°	6659.0	6412.3	6156.3	5789.0	5551.7	5504.6	5306.3	4393.4	289.6	138.1	47.0
-9°	6476.7	6259.6	6002.1	5665.6	5433.6	5358.6	5223.2	4311.5	285.7	135.4	47.0
-11°	6293.0	6092.0	5843.9	5536.8	5322.4	5223.2	5122.5	4208.3	280.1	134.0	45.5
-13°	6122.7	5923.0	5688.3	5419.0	5213.7	5098.4	5018.1	4086.3	273.4	131.4	44.3
-15°	5937.9	5736.7	5532.9	5302.2	5114.5	4973.8	4913.3	3948.3	262.8	130.0	42.9
-17°	5739.3	5536.8	5354.5	5170.9	5002.1	4859.7	4806.2	3792.8	251.9	128.8	42.9
-19.5°	5483.3	5303.7	5152.2	5011.3	4850.3	4720.6	4674.8	3570.2	234.6	124.5	41.5
-22.5°	5208.5	5028.8	4908.1	4800.8	4662.8	4570.3	4566.2	3298.0	210.5	120.8	39.1
-25.5°	5069.0	4918.9	4795.4	4646.7	4504.4	4460.4	4453.7	3007.1	189.1	113.9	37.4
-29°	4799.6	4677.5	4565.0	4397.4	4270.1	4276.6	4283.3	2618.4	172.8	105.8	34.8
-33°	4421.4	4320.9	4205.6	4047.5	3961.6	3980.5	3961.6	2115.5	166.4	92.6	33.6
-37.5°	4151.9	4039.2	3901.4	3737.8	3615.7	3618.5	3515.1	292.3	159.5	76.5	31.9
-42.5°	3760.6	3727.0	3546.1	3406.7	3200.3	3032.4	2698.8	285.7	154.1	57.8	31.0
-47.5°	2519.1	2478.9	2437.4	2348.9	2186.6	1910.4	1461.1	249.3	146.1	39.1	31.0
-55°	666.4	651.5	697.2	650.1	564.4	276.2	264.2	150.1	122.1	29.5	29.5
-65°	658.4	634.0	451.7	237.4	172.8	190.4	243.9	154.1	57.8	29.5	29.5
-75°	110.1	67.0	40.3	44.3	54.9	81.7	79.1	40.3	31.9	29.5	29.5
-85°	37.4	36.2	36.2	34.8	33.6	33.6	31.9	31.0	31.0	29.5	29.5
-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)