

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: P958818

Luminaire Tested: **NFFLD-C40-D-UNV-66-VS**

Issue Date: 2/3/2025



Test Information

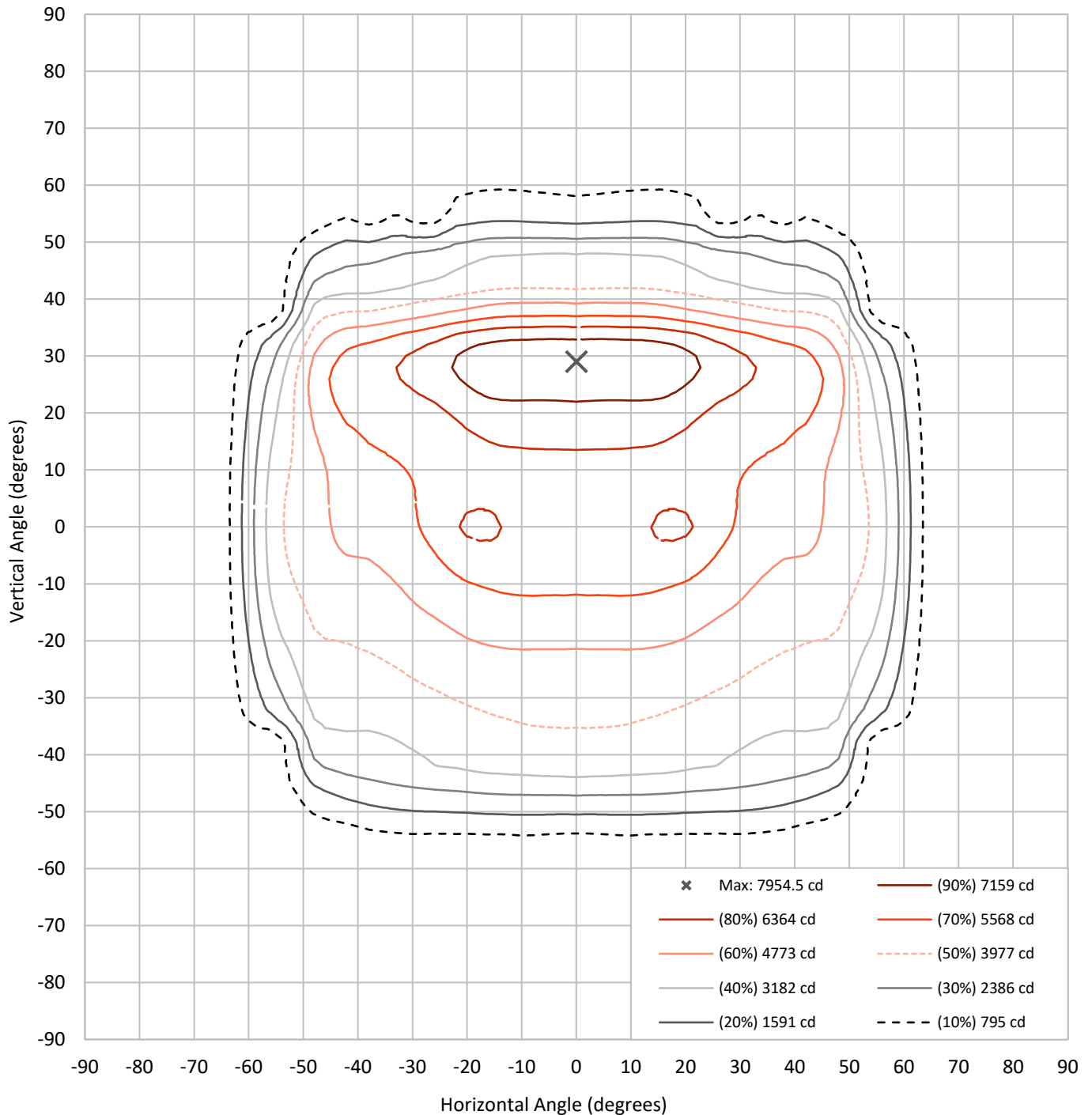
Test Method: LM-79-08
Report Number: P958818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393759)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C40-D-UNV-66-VS
Description: FLOODLIGHT WITH VANDAL 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:	14416 lumens	Max Intensity:	7954.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	113.0 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:	10418.3 lumens	Field Lumens:	13950.6 lumens
Beam Efficiency:	72.3%	Field Efficiency:	96.8%
Input Watts (W):	127.6		
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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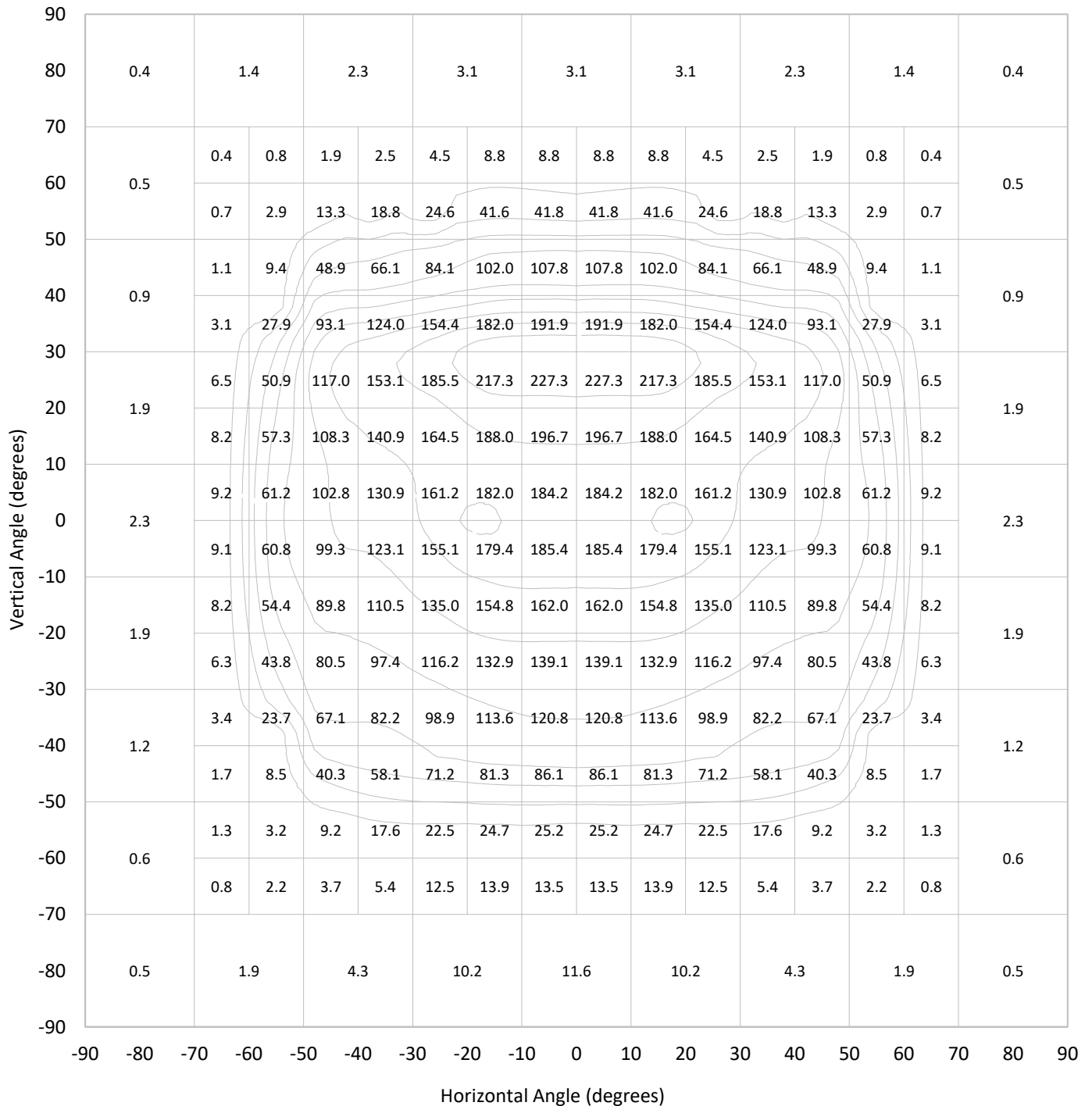
Iso-Candela Plot





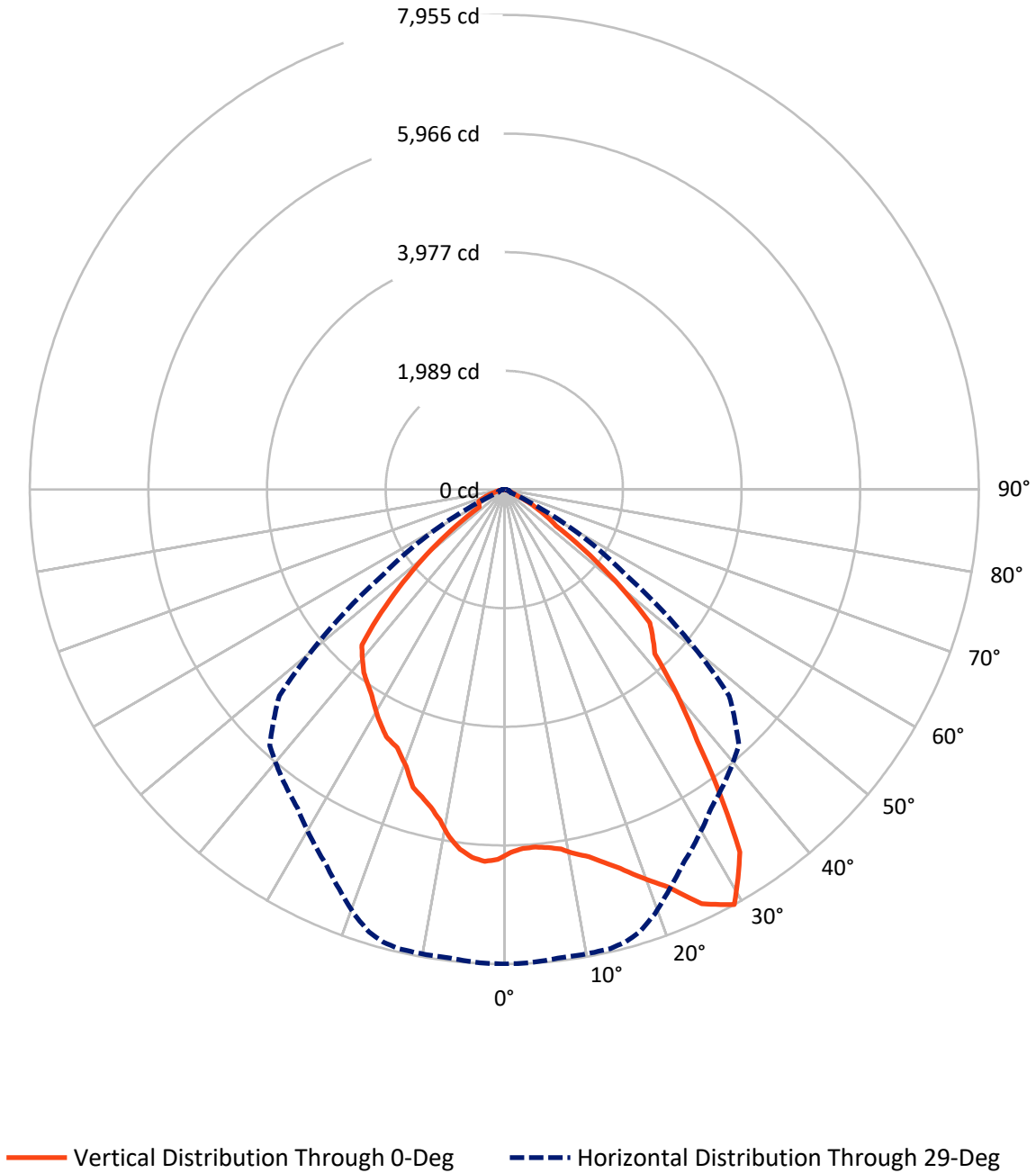
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Lumen Table



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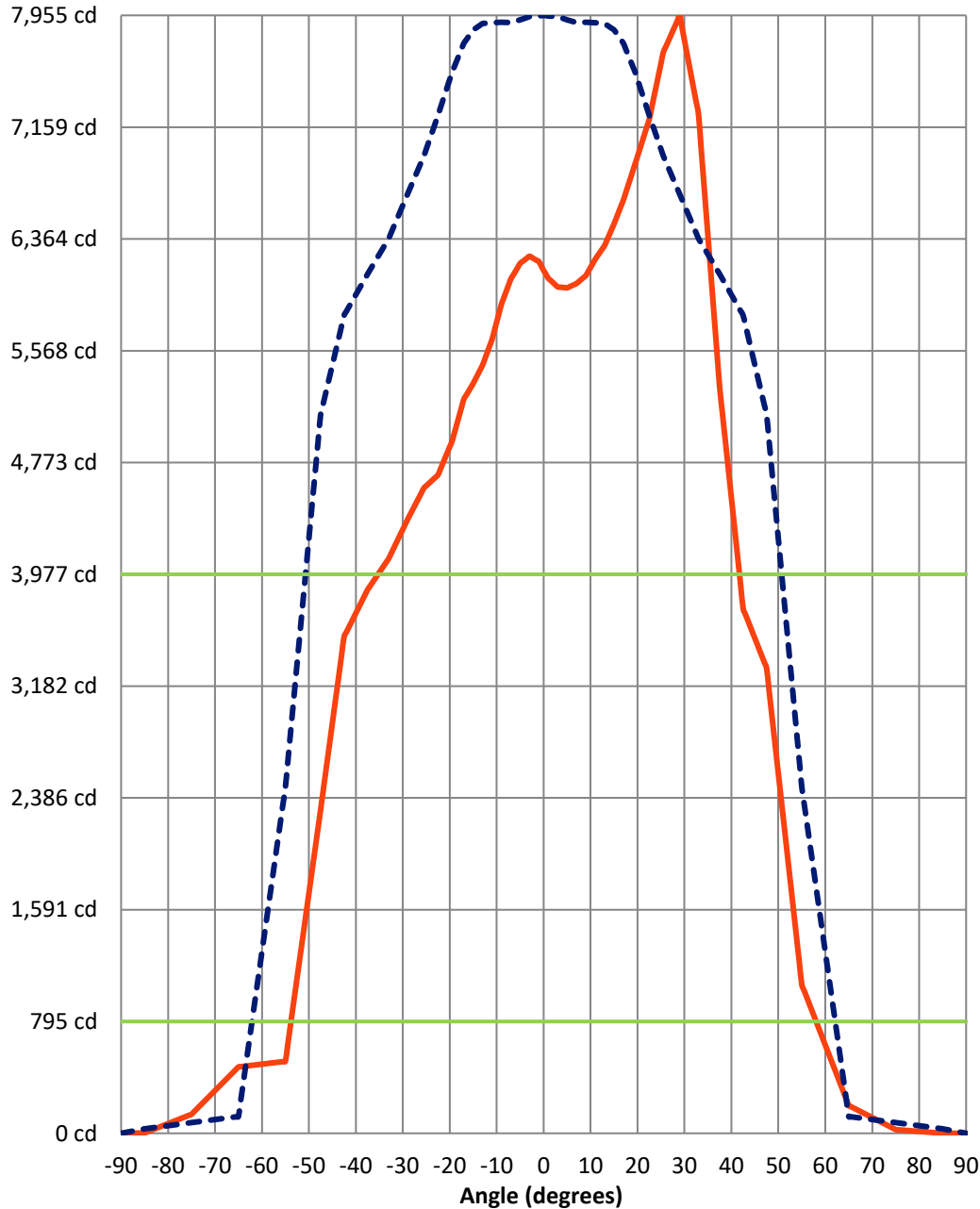
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 101.4°
 V Angle: 77°
 Lumens: 10418.3
 Efficiency: 72.3%

Field:
 H Angle: 124.2°
 V Angle: 111.9°
 Lumens: 13950.6
 Efficiency: 96.8%

Spill:
 Lumens: 465.4
 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	3.4	8.1	9.1	11.5	14.8	18.2	22.7	23.9	25.1	26.3
75°	26.3	26.3	25.1	22.7	20.3	22.7	23.9	23.9	22.7	18.2	15.9
65°	197.9	197.9	199.1	195.7	187.9	183.3	178.6	185.5	199.1	210.6	196.7
55°	1058.2	1085.4	1084.3	1135.6	1156.1	1193.5	1226.7	1236.9	1239.1	1204.9	1128.8
47.5°	3310.0	3337.3	3328.1	3331.6	3308.8	3297.4	3275.6	3261.0	3251.9	3208.6	3052.8
42.5°	3734.4	3754.8	3770.8	3789.0	3798.1	3802.7	3801.5	3783.2	3733.2	3641.1	3553.3
37.5°	5309.2	5361.4	5363.7	5364.9	5341.0	5324.0	5334.1	5302.2	5252.4	5168.0	5020.0
33°	7250.3	7258.2	7285.5	7283.3	7285.5	7235.5	7246.9	7202.5	7123.9	7032.9	6893.1
29°	7954.5	7950.0	7945.5	7922.8	7903.3	7905.5	7902.1	7896.5	7851.1	7755.4	7549.5
25.5°	7691.7	7674.7	7667.8	7629.2	7609.8	7634.9	7645.1	7634.9	7595.1	7487.0	7285.5
22.5°	7214.9	7202.5	7191.0	7176.2	7173.0	7183.2	7184.2	7184.2	7163.7	7086.4	6919.2
19.5°	6898.5	6890.6	6886.2	6871.4	6871.4	6878.2	6870.2	6846.3	6812.3	6755.3	6620.0
17°	6641.5	6634.7	6627.8	6622.0	6613.2	6613.2	6616.5	6592.7	6559.5	6501.4	6376.3
15°	6470.8	6462.9	6466.4	6456.1	6458.5	6448.0	6442.4	6427.7	6395.8	6324.0	6207.9
13°	6317.3	6313.8	6319.6	6312.6	6315.0	6304.6	6292.3	6284.1	6259.2	6192.1	6087.3
11°	6219.4	6214.8	6212.3	6214.8	6213.7	6212.3	6198.9	6181.8	6148.8	6078.4	5986.1
9°	6103.3	6098.6	6101.0	6104.5	6103.3	6102.2	6093.2	6081.8	6055.6	5999.7	5926.9
7°	6046.4	6049.8	6046.4	6050.9	6050.9	6052.2	6061.2	6069.1	6081.8	6080.6	6016.9
5°	6015.7	6016.9	6016.9	6022.5	6028.2	6043.0	6077.2	6122.5	6183.0	6232.0	6176.1
3°	6022.5	6021.3	6028.2	6039.6	6057.8	6088.5	6150.0	6232.0	6341.2	6406.1	6354.8
1°	6084.0	6087.3	6109.1	6131.8	6158.9	6188.6	6241.1	6309.2	6428.8	6500.4	6560.7
0°	6139.8	6147.6	6156.9	6186.4	6205.7	6232.0	6264.8	6319.6	6427.7	6492.5	6584.5
-1°	6202.3	6195.5	6211.5	6225.2	6237.4	6257.0	6276.2	6316.1	6406.1	6457.3	6503.9
-3°	6241.1	6246.7	6248.9	6250.1	6264.8	6264.8	6266.0	6294.5	6342.4	6357.0	6263.7
-5°	6189.7	6192.1	6187.6	6188.6	6198.9	6196.7	6178.4	6192.1	6187.6	6142.1	6044.2
-7°	6077.2	6080.6	6073.7	6070.3	6077.2	6045.4	6013.4	6002.0	5958.8	5911.1	5835.8
-9°	5897.3	5912.0	5891.7	5889.3	5874.6	5847.3	5808.7	5791.5	5749.4	5708.4	5645.9
-11°	5647.1	5667.5	5655.0	5661.8	5659.6	5659.6	5638.0	5624.4	5581.1	5527.6	5461.5
-13°	5466.1	5478.8	5474.1	5476.4	5485.6	5500.3	5484.2	5472.9	5428.6	5372.8	5309.2
-15°	5335.3	5350.0	5348.8	5347.7	5356.8	5368.3	5355.8	5342.2	5297.7	5240.9	5168.0
-17°	5222.6	5230.6	5234.0	5230.6	5229.4	5229.4	5215.8	5201.1	5157.7	5096.2	5014.5
-19.5°	4924.5	4935.9	4938.3	4935.9	4933.6	4934.7	4939.3	4921.0	4892.7	4854.1	4794.8
-22.5°	4684.5	4686.8	4689.0	4691.3	4691.3	4693.5	4692.5	4678.7	4656.0	4628.7	4563.8
-25.5°	4591.3	4592.3	4593.3	4594.5	4588.9	4587.7	4574.1	4554.7	4525.2	4497.9	4432.9
-29°	4365.9	4371.5	4372.7	4368.1	4367.0	4355.6	4335.2	4305.6	4276.1	4249.9	4186.1
-33°	4089.4	4095.0	4093.8	4083.6	4082.5	4064.3	4039.4	4006.4	3970.9	3924.4	3851.7
-37.5°	3867.5	3868.6	3867.5	3859.6	3853.7	3839.0	3813.9	3779.9	3735.6	3684.4	3614.8
-42.5°	3533.1	3533.1	3515.7	3499.9	3485.2	3452.0	3436.2	3412.5	3390.7	3373.7	3294.0
-47.5°	2302.8	2297.3	2275.6	2288.1	2282.5	2273.2	2280.1	2271.2	2250.6	2226.7	2178.9
-55°	512.0	513.2	525.6	555.3	580.4	593.9	589.5	558.7	559.8	585.9	548.5
-65°	472.2	473.4	475.6	479.0	479.0	480.2	491.4	505.1	513.2	528.0	540.5
-75°	135.4	137.6	138.8	136.4	134.4	137.6	142.2	138.8	139.8	139.8	127.4
-85°	2.4	5.6	11.5	15.9	19.3	23.9	27.1	30.7	31.8	31.8	31.8
-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-C40-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°	26.3	26.3	26.3	26.3	26.3	26.3	25.1	25.1	25.1	25.1	25.1
75°	15.9	18.2	21.7	30.7	31.8	30.7	22.7	23.9	25.1	23.9	25.1
65°	154.7	97.9	62.7	49.0	41.0	49.0	45.5	38.6	33.2	23.9	23.9
55°	1025.1	249.2	240.1	791.8	238.9	701.0	187.9	111.5	52.2	23.9	25.1
47.5°	2916.3	2759.3	2614.7	2438.4	2260.8	2145.9	1730.7	194.6	65.9	28.5	26.3
42.5°	3430.6	3257.6	3168.8	3001.6	2804.7	2810.5	2638.7	216.2	70.6	38.6	27.1
37.5°	4863.0	4685.6	4483.1	4288.5	4074.5	4027.9	3741.2	242.5	76.1	51.2	28.5
33°	6687.1	6361.6	6078.4	5825.7	5515.2	5292.1	4592.3	1962.8	96.7	63.7	29.5
29°	7243.4	6954.4	6681.3	6366.2	6113.5	5819.9	5113.5	2463.5	119.5	76.1	31.8
25.5°	7024.9	6794.1	6561.7	6303.6	6126.1	5928.1	5308.0	2805.9	141.2	87.6	34.2
22.5°	6673.5	6447.0	6259.2	6081.8	5971.4	5821.1	5195.3	3023.3	159.2	97.9	35.2
19.5°	6378.8	6173.8	6013.4	5884.8	5834.8	5655.0	5005.4	3193.9	179.8	106.9	37.6
17°	6161.3	5979.3	5846.2	5773.3	5724.3	5468.3	4866.6	3327.1	197.9	113.7	38.6
15°	6018.1	5857.5	5755.3	5701.6	5625.5	5314.8	4769.7	3427.1	213.8	118.3	38.6
13°	5928.1	5802.9	5726.8	5636.7	5499.1	5166.9	4690.2	3521.6	227.6	121.8	40.0
11°	5865.4	5774.5	5701.6	5546.9	5353.6	5067.9	4640.1	3604.7	237.7	124.0	40.0
9°	5830.2	5739.2	5636.7	5437.7	5241.9	5000.8	4623.1	3683.2	245.8	126.4	41.0
7°	5881.4	5756.3	5603.8	5377.5	5166.9	4981.5	4624.1	3743.5	250.4	127.4	41.0
5°	5972.4	5799.4	5605.0	5319.4	5109.9	4968.8	4626.5	3789.0	250.4	128.6	41.0
3°	6085.0	5845.1	5606.2	5261.3	5061.1	4954.2	4628.7	3817.5	251.4	128.6	41.0
1°	6214.8	5843.9	5583.2	5208.9	5015.7	4931.4	4619.6	3827.6	247.0	126.4	41.0
0°	6228.5	5819.9	5554.9	5181.6	4990.5	4916.4	4611.6	3829.0	245.8	125.2	41.0
-1°	6198.9	5780.2	5521.8	5154.5	4963.2	4899.6	4604.8	3827.6	245.8	124.0	41.0
-3°	5971.4	5678.9	5440.0	5095.2	4896.1	4852.9	4588.9	3810.7	245.8	120.6	41.0
-5°	5805.3	5568.6	5343.2	5014.5	4808.5	4773.2	4557.1	3777.5	247.0	118.3	40.0
-7°	5651.6	5442.2	5225.0	4913.2	4711.9	4671.9	4503.5	3728.7	245.8	117.1	40.0
-9°	5496.8	5312.6	5094.0	4808.5	4611.6	4547.9	4432.9	3659.2	242.5	114.9	40.0
-11°	5341.0	5170.3	4959.7	4699.2	4517.1	4432.9	4347.6	3571.6	237.7	113.7	38.6
-13°	5196.4	5026.9	4827.8	4599.2	4425.0	4327.1	4259.0	3468.1	232.1	111.5	37.6
-15°	5039.6	4868.8	4695.7	4500.1	4340.7	4221.4	4170.0	3351.0	223.0	110.3	36.4
-17°	4871.0	4699.2	4544.5	4388.6	4245.3	4124.6	4079.1	3219.0	213.8	109.3	36.4
-19.5°	4653.8	4501.3	4372.7	4253.1	4116.5	4006.4	3967.6	3030.1	199.1	105.7	35.2
-22.5°	4420.5	4268.0	4165.5	4074.5	3957.4	3878.8	3875.4	2799.0	178.6	102.4	33.2
-25.5°	4302.2	4174.8	4070.0	3943.7	3823.0	3785.6	3779.9	2552.1	160.6	96.7	31.8
-29°	4073.5	3969.9	3874.4	3732.2	3624.1	3629.6	3635.3	2222.2	146.7	89.8	29.5
-33°	3752.4	3667.2	3569.4	3435.2	3362.2	3378.3	3362.2	1795.4	141.2	78.5	28.5
-37.5°	3523.8	3428.1	3311.2	3172.4	3068.7	3071.1	2983.3	248.2	135.4	64.9	27.1
-42.5°	3191.6	3163.1	3009.6	2891.2	2716.1	2573.6	2290.6	242.5	130.8	49.0	26.3
-47.5°	2138.0	2103.9	2068.7	1993.6	1855.7	1621.4	1240.1	211.6	124.0	33.2	26.3
-55°	565.6	552.9	591.7	551.7	479.0	234.5	224.2	127.4	103.6	25.1	25.1
-65°	558.7	538.1	383.4	201.5	146.7	161.6	207.0	130.8	49.0	25.1	25.1
-75°	93.4	56.9	34.2	37.6	46.6	69.4	67.1	34.2	27.1	25.1	25.1
-85°	31.8	30.7	30.7	29.5	28.5	28.5	27.1	26.3	26.3	25.1	25.1
-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-C40-D-UNV-66-VS

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)