

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: P958817

Luminaire Tested: **NFFLD-C40-D-UNV-66-TS2**

Issue Date: 2/3/2025



Test Information

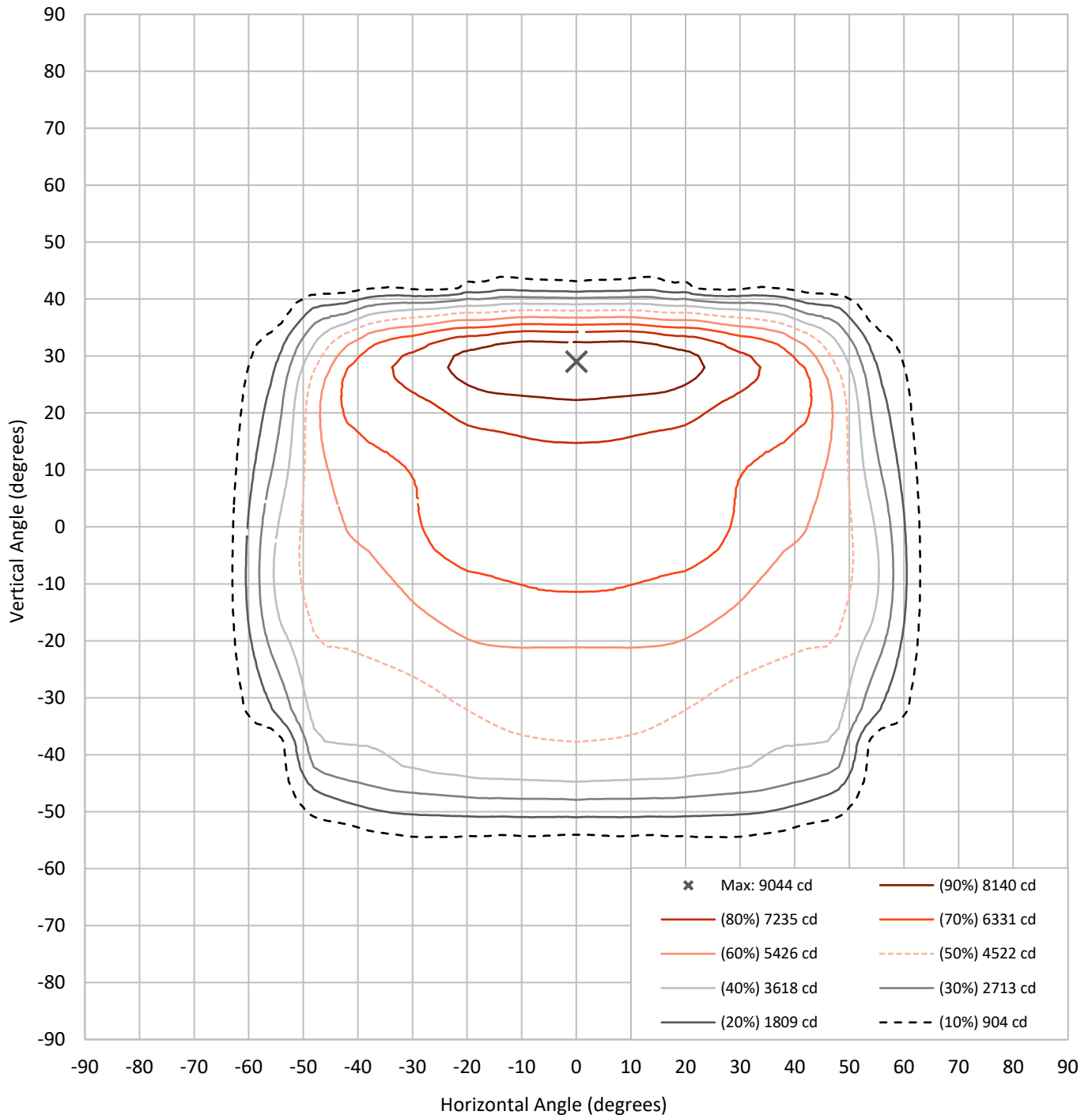
Test Method: LM-79-08
Report Number: P958817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393757)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C40-D-UNV-66-TS2
Description: FLOODLIGHT WITH TOP AND SIDE VISORS
Light Source: (2) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	14736.4 lumens	Max Intensity:	9044 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	115.5 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:	10889 lumens	Field Lumens:	14355.7 lumens
Beam Efficiency:	73.9%	Field Efficiency:	97.4%
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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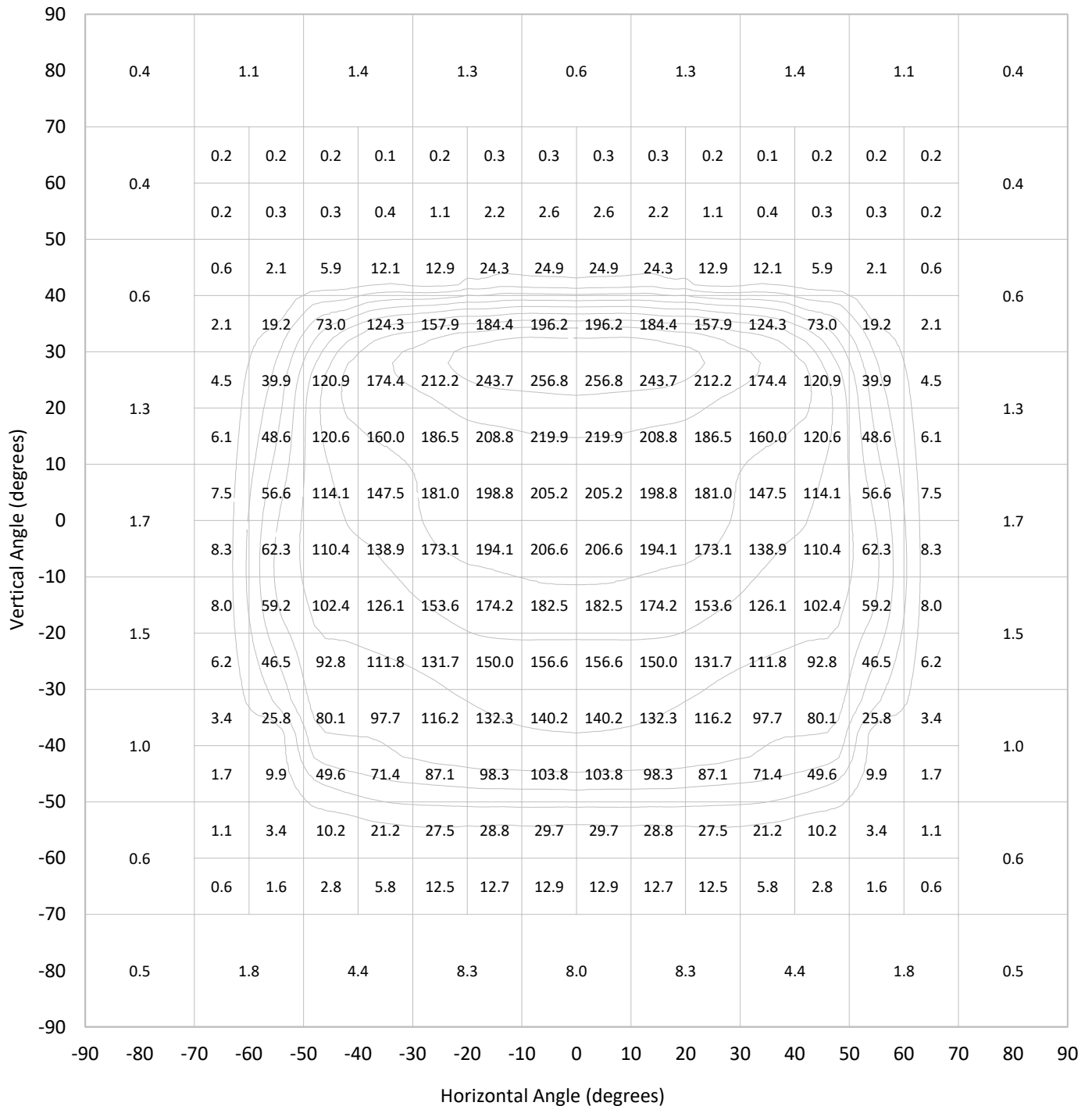
Iso-Candela Plot





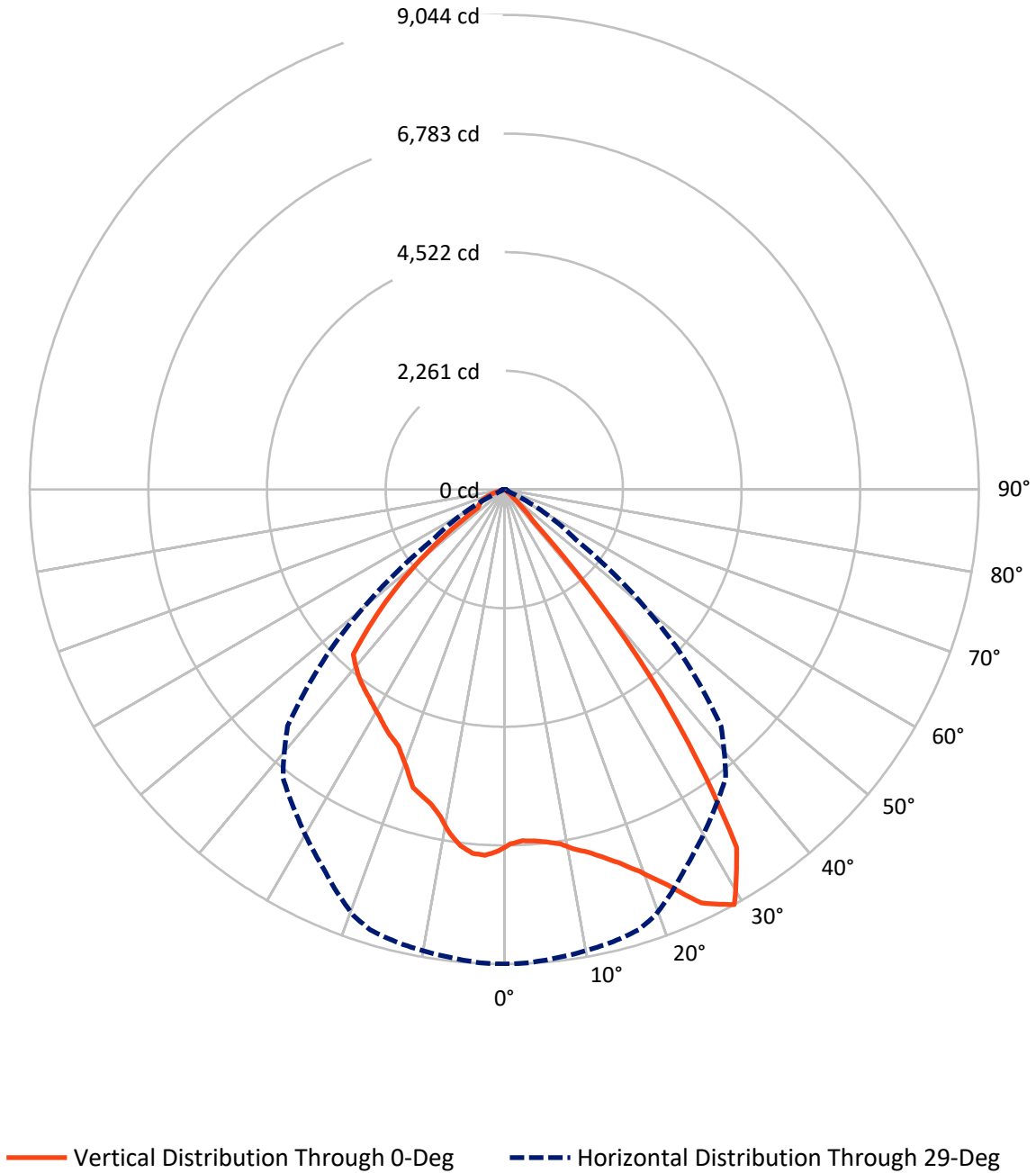
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Lumen Table



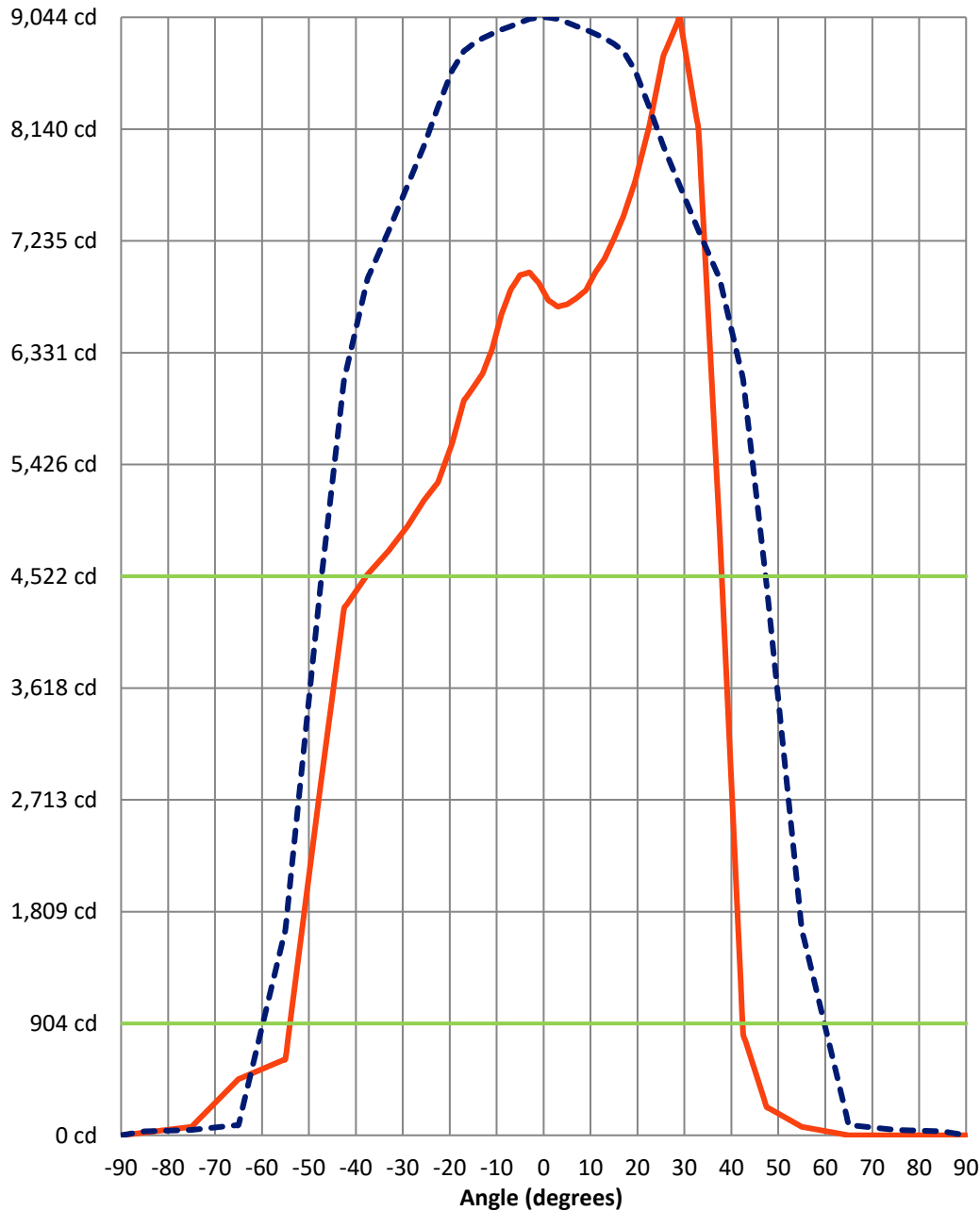
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 94.6°
 V Angle: 75.7°
 Lumens: 10889
 Efficiency: 73.9%

Field:
 H Angle: 119.6°
 V Angle: 96.4°
 Lumens: 14355.7
 Efficiency: 97.4%

Spill:
 Lumens: 380.7
 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	3.4	8.1	8.1	9.1	11.5	14.9	17.1	19.4	20.4	21.8
75°	0.0	1.2	3.4	5.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9
65°	0.0	0.0	2.4	3.4	4.4	4.4	5.6	5.6	5.6	5.6	4.4
55°	68.4	66.1	68.4	68.4	68.4	67.3	62.8	57.0	53.6	54.8	50.2
47.5°	229.2	230.4	228.2	223.5	221.3	218.9	214.4	209.9	199.6	195.2	191.6
42.5°	822.4	902.2	883.0	953.5	927.3	993.4	1090.5	1170.5	1174.9	643.3	956.9
37.5°	4888.8	4908.2	4924.1	4969.7	4949.3	4973.3	4925.3	4826.0	4674.4	4612.7	4642.5
33°	8129.3	8092.9	8108.8	8160.3	8193.2	8232.0	8175.0	8072.3	7882.9	7750.6	7687.9
29°	9044.0	9041.7	9030.4	9001.8	8971.2	8943.8	8909.6	8874.1	8828.4	8769.2	8611.9
25.5°	8729.3	8714.4	8692.8	8646.2	8622.2	8599.2	8566.1	8533.1	8483.0	8412.2	8262.8
22.5°	8163.5	8154.4	8141.9	8101.9	8070.1	8044.9	8011.8	7996.9	7961.7	7920.6	7816.7
19.5°	7717.6	7708.5	7709.5	7690.2	7668.5	7636.6	7596.5	7560.0	7530.5	7508.9	7450.5
17°	7434.6	7420.9	7423.3	7417.6	7396.0	7359.5	7322.8	7273.8	7234.0	7209.8	7162.2
15°	7254.5	7244.1	7247.7	7235.0	7211.2	7175.8	7140.3	7097.0	7055.9	7009.2	6960.3
13°	7092.6	7082.1	7084.5	7073.1	7049.1	7021.7	6994.3	6954.4	6923.6	6879.1	6828.0
11°	6978.4	6971.6	6964.7	6957.9	6936.3	6910.1	6885.9	6852.9	6826.7	6786.8	6749.2
9°	6835.9	6840.4	6833.6	6830.2	6814.2	6791.5	6771.9	6749.2	6733.2	6710.4	6697.9
7°	6771.9	6775.5	6768.7	6765.1	6753.6	6741.1	6722.9	6709.1	6709.1	6712.7	6721.9
5°	6721.9	6725.2	6722.9	6724.0	6725.2	6719.5	6713.7	6717.1	6738.9	6757.2	6762.7
3°	6703.6	6704.6	6712.7	6720.5	6732.0	6742.3	6754.8	6775.5	6801.6	6802.8	6793.7
1°	6756.0	6753.6	6777.6	6798.3	6818.7	6834.7	6836.9	6829.1	6830.2	6817.7	6874.6
0°	6823.3	6818.7	6842.8	6852.9	6873.4	6879.1	6858.7	6839.3	6823.3	6794.7	6888.3
-1°	6892.8	6890.6	6903.2	6904.3	6914.5	6907.7	6870.0	6839.3	6806.2	6754.8	6776.4
-3°	6979.5	6981.9	6978.4	6964.7	6962.5	6928.2	6871.2	6823.3	6766.3	6687.6	6638.4
-5°	6957.9	6956.9	6944.4	6926.0	6900.8	6858.7	6786.8	6725.2	6652.3	6563.2	6515.3
-7°	6840.4	6843.8	6819.9	6807.2	6752.6	6689.9	6607.6	6533.7	6470.8	6410.4	6388.8
-9°	6637.4	6644.2	6609.0	6603.1	6524.4	6454.9	6395.7	6342.1	6308.8	6276.9	6265.6
-11°	6356.8	6365.9	6343.1	6355.6	6304.4	6278.0	6250.7	6216.4	6190.2	6164.0	6140.0
-13°	6161.8	6166.2	6156.0	6154.9	6134.4	6128.6	6114.9	6095.6	6075.0	6044.2	6012.1
-15°	6048.8	6053.4	6044.2	6038.5	6027.1	6023.6	6011.1	5986.1	5958.6	5918.7	5868.5
-17°	5940.5	5949.6	5939.5	5932.6	5921.1	5911.9	5902.8	5875.4	5839.0	5792.2	5710.0
-19.5°	5596.0	5609.5	5598.2	5596.0	5597.0	5602.7	5601.7	5579.9	5566.4	5542.3	5468.3
-22.5°	5282.3	5288.0	5285.7	5288.0	5291.4	5293.7	5291.4	5282.3	5268.8	5238.9	5162.4
-25.5°	5135.2	5138.7	5135.2	5136.2	5131.8	5128.4	5119.3	5102.0	5085.0	5054.2	4980.1
-29°	4926.5	4930.9	4929.9	4928.5	4924.1	4910.4	4891.0	4867.1	4843.4	4805.5	4734.9
-33°	4729.0	4732.5	4730.3	4722.1	4712.0	4696.1	4673.2	4641.3	4604.6	4558.0	4481.4
-37.5°	4537.4	4531.8	4533.0	4522.7	4511.2	4493.0	4470.1	4441.6	4398.2	4347.0	4274.0
-42.5°	4262.7	4238.7	4231.8	4190.7	4179.2	4132.6	4117.6	4091.4	4064.0	4069.9	3984.3
-47.5°	2834.4	2795.7	2808.2	2773.9	2795.7	2771.7	2793.5	2751.2	2758.0	2756.9	2719.2
-55°	616.0	609.1	630.8	652.4	668.5	675.1	651.3	629.7	637.6	690.1	665.1
-65°	454.0	452.8	452.8	450.6	447.2	444.8	446.0	448.2	448.2	455.2	471.1
-75°	68.4	67.3	68.4	67.3	62.8	65.1	70.7	68.4	70.7	70.7	70.7
-85°	21.8	21.8	20.4	24.0	25.2	29.6	34.3	36.5	38.7	40.1	40.1
-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-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°	22.8	22.8	24.0	24.0	22.8	22.8	22.8	22.8	22.8	24.0	25.2
75°	8.1	9.1	10.3	12.5	13.7	15.9	15.9	18.3	20.4	22.8	25.2
65°	4.4	3.4	3.4	3.4	4.4	5.6	9.1	12.5	17.1	20.4	24.0
55°	41.1	27.2	12.5	11.5	11.5	10.3	9.1	10.3	17.1	20.4	24.0
47.5°	157.5	104.9	63.9	52.4	48.0	38.7	35.3	36.5	30.8	21.8	25.2
42.5°	250.9	252.0	206.5	635.4	537.4	209.9	217.9	149.5	43.3	25.2	26.4
37.5°	4592.1	4256.8	4159.9	3915.8	3589.6	2606.4	2340.5	224.7	56.0	31.9	28.6
33°	7595.5	7248.7	6753.6	6644.2	6075.0	4994.8	3590.8	1251.2	69.5	37.7	29.6
29°	8318.6	8002.8	7682.2	7317.3	6929.4	6112.7	4451.9	1665.3	83.2	43.3	31.9
25.5°	8040.5	7798.6	7526.1	7217.9	6988.6	6514.1	5062.1	1963.0	96.9	51.4	33.2
22.5°	7602.4	7368.6	7149.4	6937.5	6810.8	6522.2	5300.5	2163.9	111.8	60.5	35.3
19.5°	7264.7	7045.8	6848.3	6695.5	6645.3	6393.3	5364.4	2328.1	125.5	68.4	36.5
17°	6989.8	6802.8	6659.1	6564.4	6511.9	6208.6	5358.8	2463.8	139.2	71.9	36.5
15°	6812.0	6641.8	6540.3	6479.9	6385.2	6040.9	5324.3	2583.6	150.7	75.3	37.7
13°	6704.6	6575.7	6494.8	6403.6	6225.7	5867.5	5281.2	2709.1	158.5	77.5	37.7
11°	6644.2	6542.7	6466.4	6297.4	6053.4	5745.3	5244.8	2840.2	163.2	79.7	38.7
9°	6621.5	6517.6	6391.1	6162.8	5929.0	5661.1	5211.5	2987.5	166.4	82.1	38.7
7°	6657.9	6545.0	6354.6	6086.5	5826.5	5601.7	5187.5	3134.5	168.8	84.4	38.7
5°	6689.9	6581.4	6347.5	6005.3	5737.4	5542.3	5164.8	3279.3	171.0	86.8	40.1
3°	6712.7	6602.1	6337.3	5923.3	5661.1	5486.5	5146.5	3413.9	172.2	87.8	40.1
1°	6777.6	6590.6	6304.4	5856.0	5603.9	5445.5	5127.2	3537.1	170.0	87.8	40.1
0°	6734.2	6558.7	6271.2	5827.5	5574.2	5427.2	5118.1	3590.8	170.0	86.8	40.1
-1°	6646.5	6516.5	6232.5	5800.3	5548.1	5410.0	5113.5	3644.3	168.8	86.8	40.1
-3°	6515.3	6413.8	6151.3	5749.9	5487.7	5362.0	5101.0	3736.7	167.8	85.6	38.7
-5°	6402.5	6315.7	6064.7	5679.3	5411.2	5297.1	5067.7	3796.0	166.4	84.4	38.7
-7°	6305.4	6190.2	5943.9	5581.1	5324.3	5216.2	5032.4	3832.4	165.4	83.2	38.7
-9°	6182.2	6039.6	5788.8	5468.3	5228.7	5118.1	4983.5	3837.1	164.4	82.1	37.7
-11°	6045.4	5884.5	5638.3	5350.7	5136.2	5024.6	4920.7	3807.4	163.2	79.7	36.5
-13°	5895.9	5720.3	5494.5	5241.2	5040.5	4933.2	4853.4	3736.7	162.0	79.7	36.5
-15°	5731.8	5555.0	5347.3	5136.2	4953.7	4831.9	4775.8	3630.6	162.0	78.7	35.3
-17°	5555.0	5367.8	5188.7	5017.7	4853.4	4731.3	4686.9	3484.7	159.5	77.5	34.3
-19.5°	5317.6	5145.4	5000.5	4863.6	4713.1	4602.6	4569.4	3242.9	156.3	76.4	33.2
-22.5°	5015.3	4854.6	4735.8	4644.7	4545.5	4465.4	4458.6	2923.6	150.7	74.1	31.9
-25.5°	4846.6	4700.6	4586.5	4488.2	4411.9	4373.2	4360.5	2600.7	143.6	71.9	29.6
-29°	4625.4	4501.1	4396.0	4293.3	4227.2	4229.6	4239.7	2225.3	138.0	67.3	28.6
-33°	4380.1	4275.2	4168.9	4057.2	3986.5	3992.2	4007.1	1809.1	139.2	61.7	27.2
-37.5°	4183.9	4083.6	3956.9	3816.5	3697.9	3692.2	3642.1	245.1	142.6	53.6	26.4
-42.5°	3886.1	3845.1	3674.1	3553.1	3334.1	3137.9	2864.2	241.9	136.8	43.3	26.4
-47.5°	2654.3	2600.7	2549.4	2488.9	2287.1	1982.6	1560.4	227.0	120.8	33.2	25.2
-55°	714.0	709.4	733.4	670.7	553.1	213.3	220.1	142.6	79.7	26.4	25.2
-65°	504.1	511.0	401.6	213.3	149.5	104.9	149.5	85.6	43.3	25.2	25.2
-75°	70.7	65.1	48.0	52.4	54.8	54.8	51.4	33.2	27.2	26.4	25.2
-85°	40.1	40.1	38.7	37.7	36.5	34.3	33.2	30.8	29.6	27.2	26.4
-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: P958817

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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)