

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: P958819

Luminaire Tested: **NFFLD-C40-D-UNV-66-WG-8040**

Issue Date: 2/3/2025

Test Information

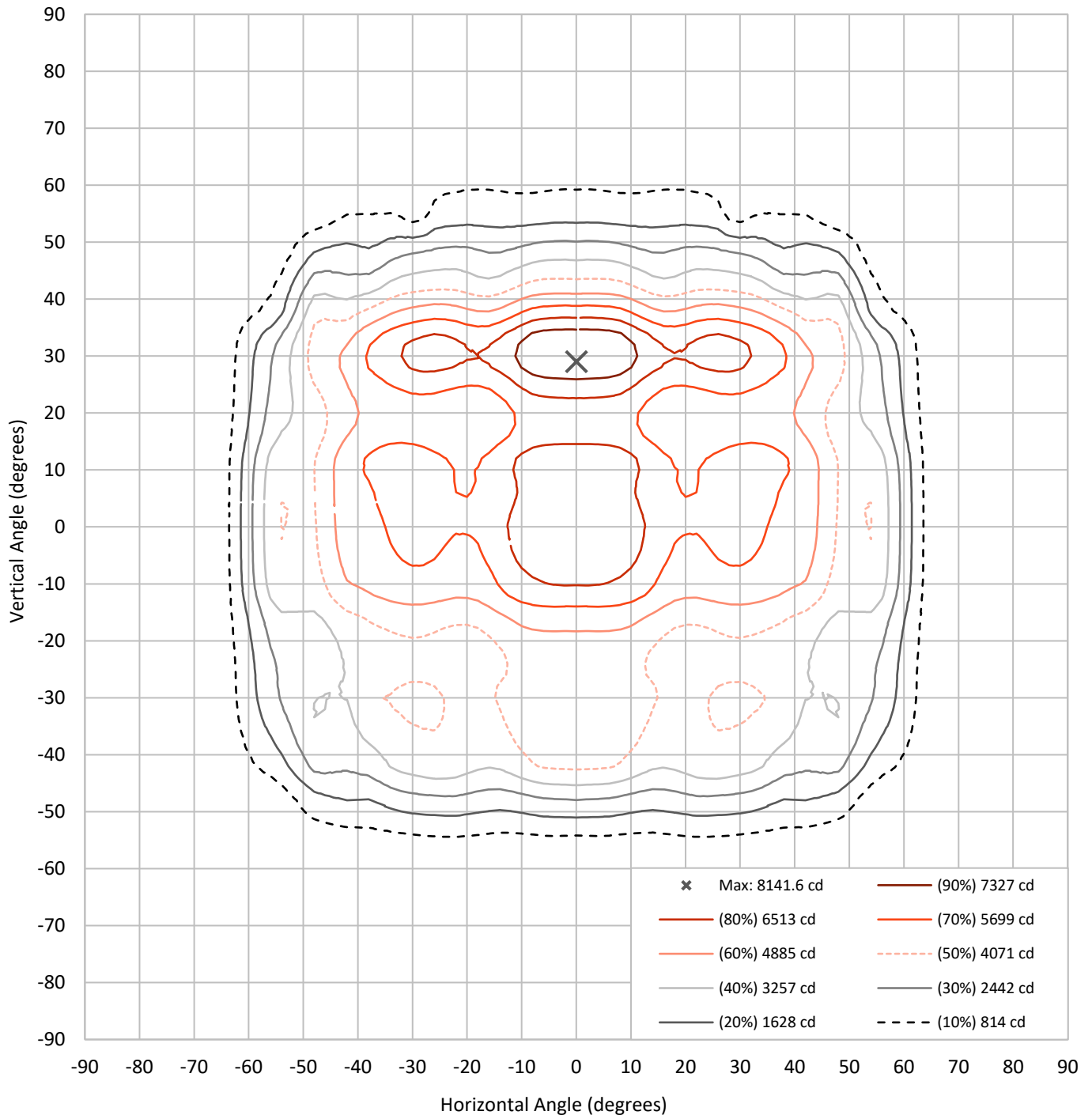
Test Method: LM-79-08
Report Number: P958819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393758)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C40-D-UNV-66-WG-8040
Description: FLOODLIGHT WITH WIRE GUARD
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:	14506.7 lumens	Max Intensity:	8141.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	113.7 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:	9607.9 lumens	Field Lumens:	13889.1 lumens
Beam Efficiency:	66.2%	Field Efficiency:	95.7%
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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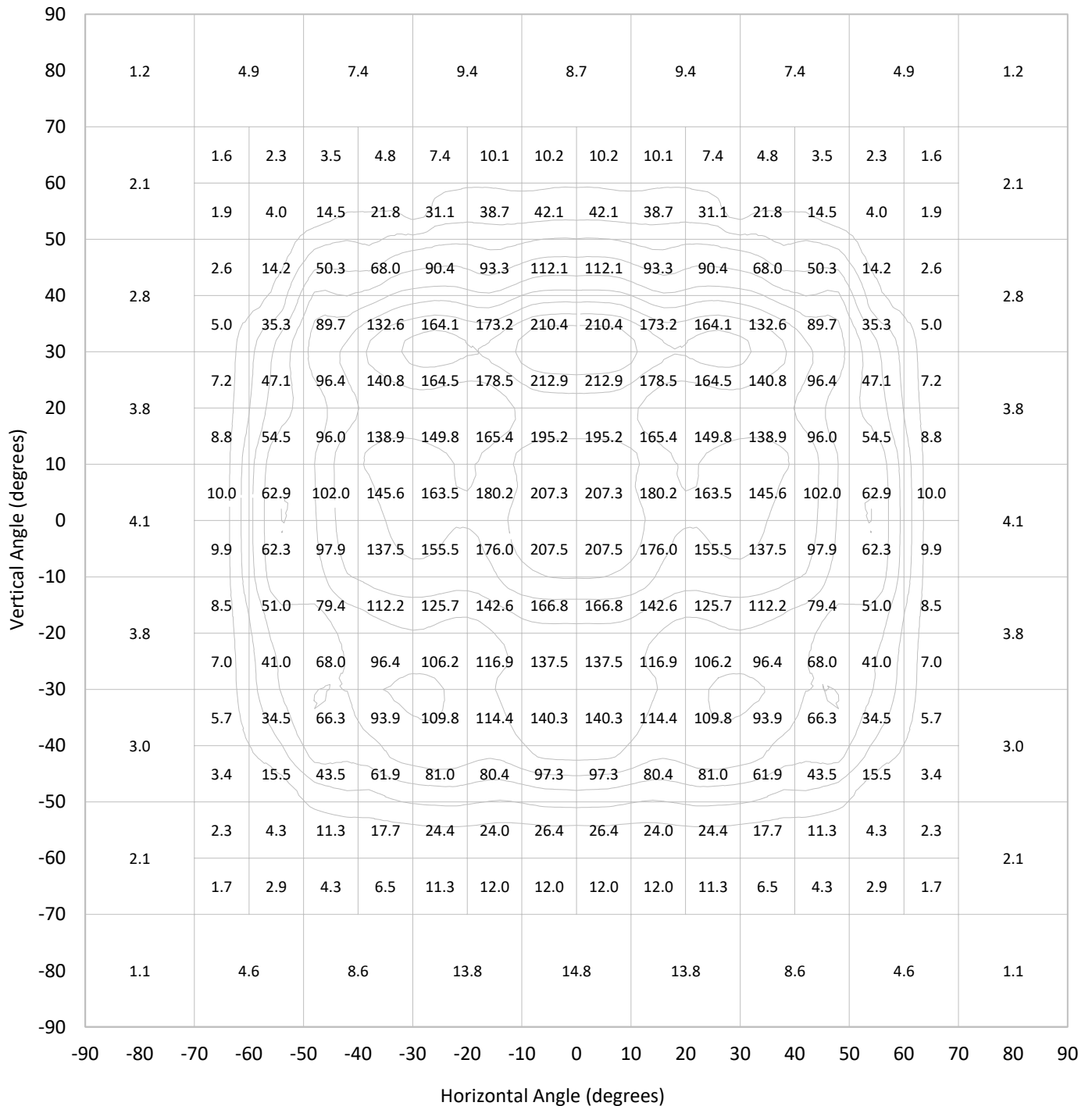
Iso-Candela Plot





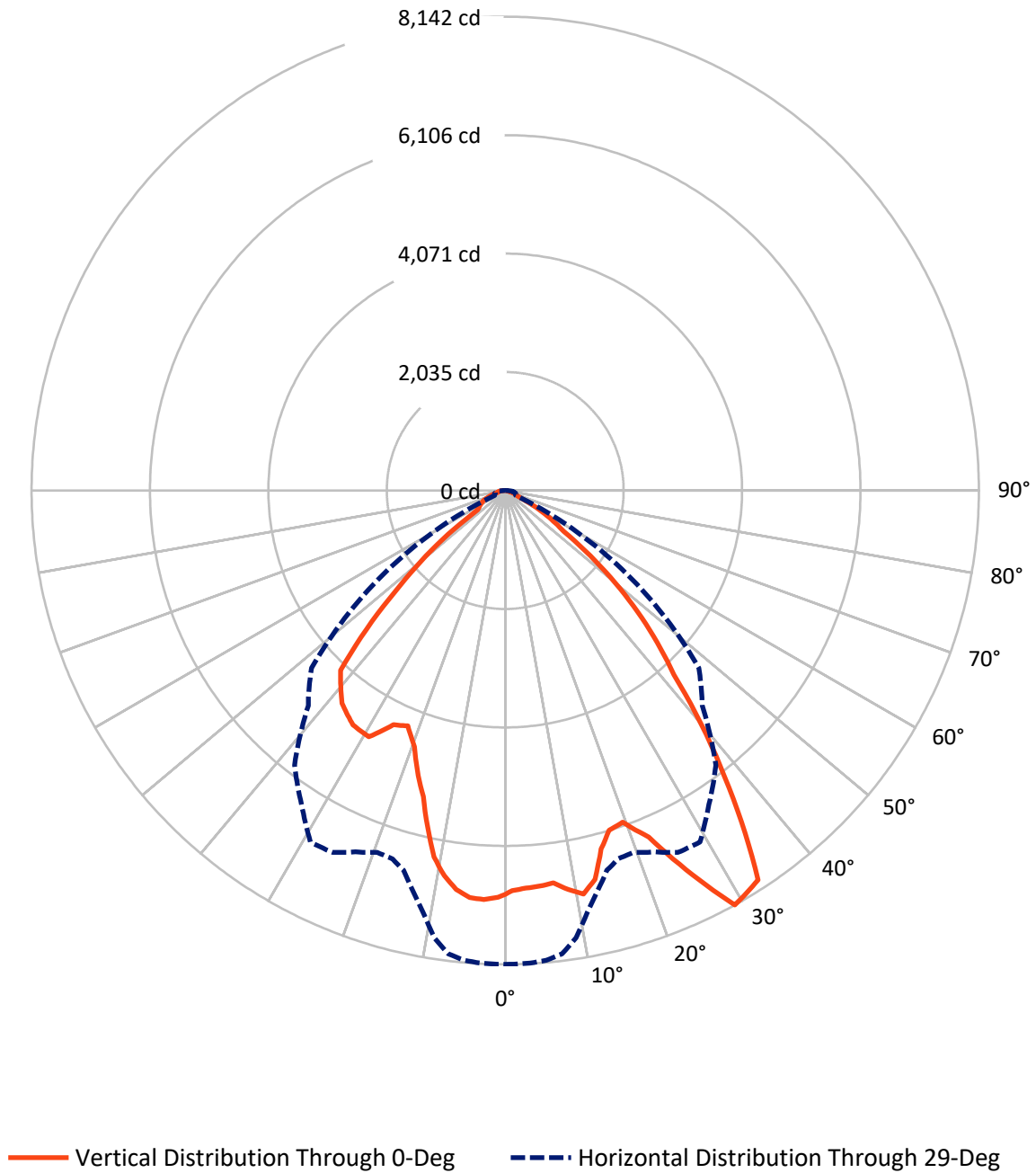
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Lumen Table



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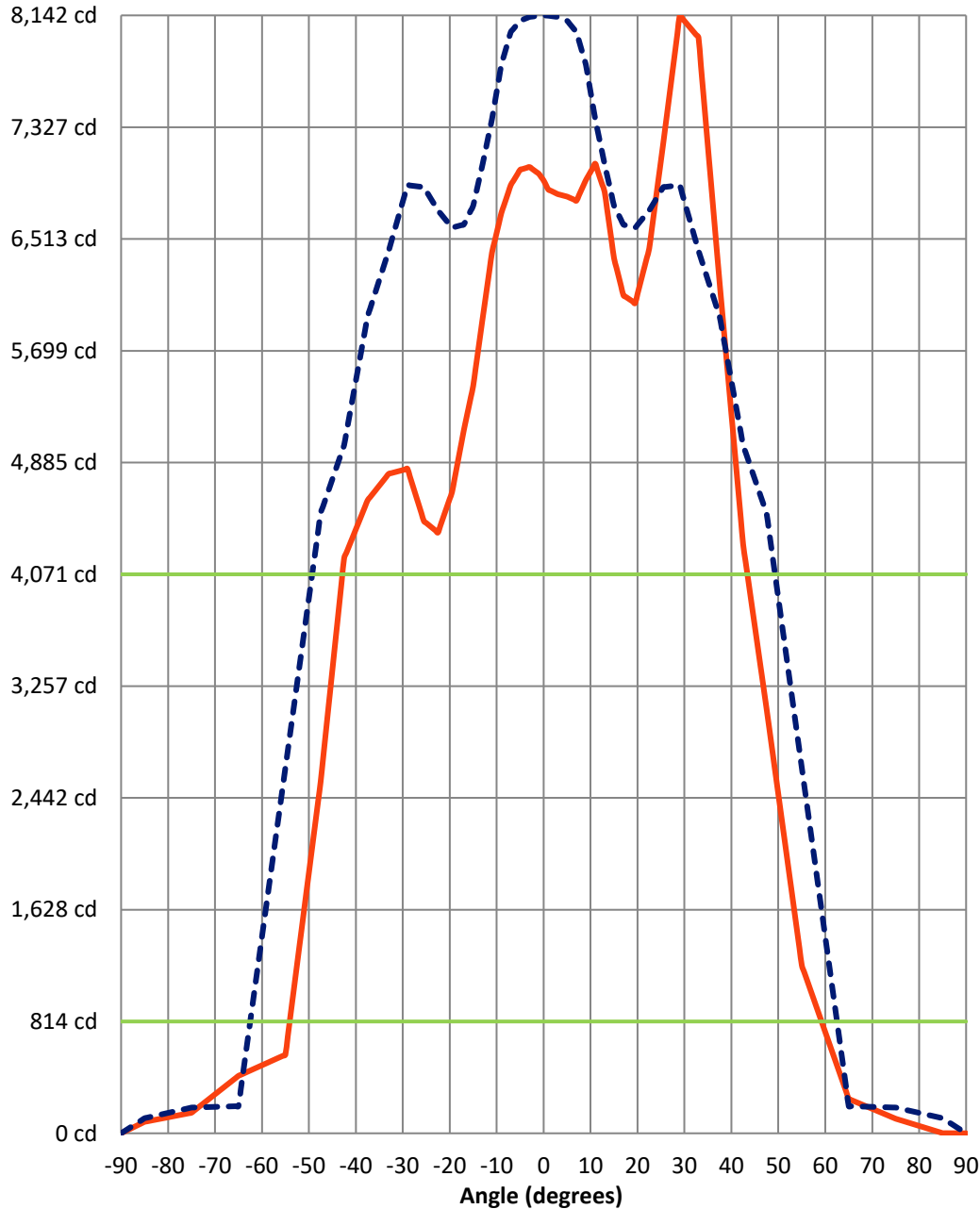
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 98.6°
 V Angle: 86.3°
 Lumens: 9607.9
 Efficiency: 66.2%

Field:
 H Angle: 125°
 V Angle: 113.3°
 Lumens: 13889.1
 Efficiency: 95.7%

Spill:
 Lumens: 617.6
 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°	1.2	5.6	28.6	35.4	37.7	42.3	51.5	58.2	66.2	73.1	77.7
75°	106.1	106.1	106.1	106.1	102.9	100.7	102.9	97.0	98.2	97.0	92.6
65°	250.2	250.2	243.5	229.6	217.1	219.4	227.4	239.9	265.1	249.2	245.6
55°	1223.8	1236.3	1240.9	1216.9	1161.0	1147.3	1136.9	1153.0	1216.9	1219.2	1244.4
47.5°	3091.1	3126.4	3122.9	3096.7	3070.4	2897.7	2785.8	2606.4	2527.7	2592.8	2759.7
42.5°	4289.6	4304.3	4309.1	4310.2	4288.4	4121.7	3941.1	3657.7	3463.3	3408.6	3612.0
37.5°	6192.0	6232.2	6236.8	6153.3	6124.7	5932.7	5581.8	5296.3	5015.2	4943.2	5067.9
33°	7979.3	7979.3	7975.9	7941.7	7881.1	7611.3	7185.1	6869.8	6515.6	6330.4	6389.8
29°	8141.6	8139.2	8130.1	8102.9	8019.3	7782.8	7386.3	7057.2	6755.5	6618.4	6595.5
25.5°	7213.8	7203.5	7182.9	7150.8	7092.5	6904.1	6571.5	6276.7	5984.2	5836.9	5815.1
22.5°	6443.6	6437.7	6441.2	6397.8	6370.4	6248.1	5995.7	5731.8	5476.9	5300.9	5230.1
19.5°	6045.9	6050.4	6055.0	6044.8	6019.6	5927.0	5697.4	5439.1	5209.4	5023.1	4941.0
17°	6103.0	6107.6	6105.4	6099.6	6073.4	5969.3	5745.3	5495.1	5266.6	5054.0	4951.2
15°	6373.8	6383.1	6376.3	6358.8	6327.0	6207.1	5976.1	5706.5	5489.4	5237.0	5131.7
13°	6856.0	6863.0	6856.0	6829.8	6781.7	6665.2	6436.7	6131.7	5898.4	5592.3	5456.3
11°	7061.7	7062.9	7060.5	7034.3	6988.6	6882.3	6634.3	6328.2	6089.3	5783.0	5618.5
9°	6941.8	6951.9	6945.3	6923.4	6892.6	6800.0	6566.9	6287.1	6067.7	5783.0	5644.8
7°	6792.1	6799.0	6796.6	6786.5	6761.2	6685.7	6480.0	6211.6	6028.7	5751.1	5630.0
5°	6821.7	6830.8	6829.8	6825.2	6799.0	6722.5	6530.3	6270.9	6120.2	5841.3	5705.4
3°	6840.1	6848.1	6857.2	6851.4	6840.1	6792.1	6620.8	6384.1	6233.4	5937.1	5768.2
1°	6873.4	6884.7	6899.4	6896.2	6900.6	6858.3	6692.6	6432.1	6254.9	5939.5	5819.7
0°	6939.4	6946.3	6962.2	6953.1	6944.1	6899.4	6716.6	6449.3	6248.1	5923.6	5826.6
-1°	6987.4	6992.0	6992.0	6978.3	6955.4	6902.9	6708.8	6433.3	6214.0	5868.7	5711.1
-3°	7037.7	7043.5	7021.7	6978.3	6946.3	6880.1	6676.6	6383.1	6142.0	5772.9	5571.7
-5°	7017.2	7021.7	7012.6	6941.8	6890.4	6819.3	6609.2	6309.9	6052.8	5682.5	5475.7
-7°	6905.1	6914.2	6881.3	6833.2	6745.3	6661.7	6438.9	6133.9	5867.6	5527.1	5343.1
-9°	6701.9	6725.7	6681.3	6644.6	6533.9	6437.7	6220.9	5942.0	5696.2	5388.9	5216.3
-11°	6413.9	6437.7	6420.8	6419.4	6337.3	6258.6	6068.7	5807.0	5570.5	5272.3	5096.3
-13°	5931.7	5964.8	5956.9	5995.7	5922.4	5874.5	5692.8	5474.7	5265.4	4971.7	4833.6
-15°	5442.6	5414.1	5414.1	5432.3	5383.1	5332.8	5163.7	4977.5	4775.1	4522.7	4394.7
-17°	5119.1	5101.0	5103.2	5112.4	5069.9	5022.1	4866.7	4676.9	4455.3	4217.6	4076.0
-19.5°	4670.0	4665.6	4667.8	4691.8	4669.0	4638.1	4497.7	4317.1	4117.1	3907.9	3779.9
-22.5°	4375.2	4379.8	4394.7	4391.3	4381.0	4354.8	4221.0	4063.3	3864.5	3685.1	3555.9
-25.5°	4458.7	4454.1	4462.1	4442.6	4426.7	4352.4	4181.1	4030.3	3813.2	3678.3	3583.4
-29°	4839.3	4834.6	4839.3	4825.6	4813.1	4711.3	4501.1	4330.8	4068.0	3943.4	3847.3
-33°	4802.7	4801.5	4802.7	4792.4	4762.6	4626.8	4387.9	4160.5	3896.5	3755.9	3740.0
-37.5°	4609.4	4606.0	4608.4	4593.5	4545.5	4378.8	4141.0	3878.2	3669.2	3590.3	3662.3
-42.5°	4186.7	4173.0	4167.4	4135.4	4068.0	3848.5	3628.0	3376.6	3266.8	3277.3	3449.8
-47.5°	2558.4	2533.4	2508.2	2487.7	2430.5	2267.0	2194.0	2080.7	2085.4	2145.9	2251.0
-55°	572.5	578.1	596.4	599.9	586.2	568.0	540.4	531.3	549.7	610.1	627.4
-65°	418.3	422.7	430.8	414.7	386.2	381.6	396.5	425.1	434.2	428.6	438.6
-75°	149.7	152.0	155.4	150.9	141.9	149.7	154.4	147.3	145.1	142.9	145.1
-85°	83.3	84.5	84.5	81.3	85.7	83.3	79.9	82.3	84.5	91.4	89.2
-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: P958819
 CATALOG NUMBER: NFFLD-C40-D-UNV-66-WG-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°	81.3	78.9	69.6	65.2	69.6	78.9	79.9	75.5	63.0	46.9	35.4
75°	90.2	94.8	99.3	102.9	106.1	99.3	100.7	108.5	106.1	85.7	48.1
65°	232.1	174.7	136.0	124.5	117.6	117.6	115.4	130.4	126.9	105.1	60.6
55°	1146.1	1123.3	249.2	755.2	769.0	740.3	214.7	179.4	149.7	116.6	74.3
47.5°	2824.7	2760.8	2652.2	2407.6	1796.3	2043.0	1890.1	236.5	154.4	129.2	84.5
42.5°	3832.4	3805.1	3722.8	3544.5	2831.5	2672.7	3044.0	738.3	153.2	142.9	91.4
37.5°	5315.9	5422.0	5264.2	4983.2	4377.6	3727.4	4056.5	1129.0	161.2	158.8	98.2
33°	6692.6	6821.7	6689.1	6336.1	5696.2	4708.9	4469.0	2345.9	180.6	174.7	104.1
29°	6721.1	6890.4	6905.1	6427.5	5947.6	5011.8	4514.6	2662.4	197.6	187.4	109.7
25.5°	5944.2	6110.9	6123.6	5868.7	5462.0	4842.7	4224.4	2708.1	212.5	197.6	113.0
22.5°	5310.1	5479.1	5560.3	5410.5	5186.5	4686.1	3873.7	2819.0	228.6	205.7	116.6
19.5°	4993.5	5154.7	5292.8	5226.7	5089.5	4623.1	3704.5	2966.3	245.6	211.5	120.0
17°	4973.0	5139.8	5319.1	5351.2	5212.8	4720.4	3733.1	3133.2	259.5	214.7	122.2
15°	5142.2	5332.8	5546.6	5628.9	5453.9	4923.8	3834.8	3363.0	263.9	218.4	123.4
13°	5480.2	5739.6	5997.9	6082.4	5777.3	5230.1	4007.5	3672.6	267.3	222.8	124.5
11°	5663.1	5961.4	6250.3	6258.6	5875.7	5386.5	4085.0	3877.0	268.4	228.6	125.8
9°	5694.0	5973.9	6221.9	6168.2	5788.8	5388.9	4069.1	3976.4	269.7	233.1	126.9
7°	5667.6	5933.9	6120.2	6047.0	5670.0	5372.7	4040.4	4024.5	269.7	236.5	126.9
5°	5746.5	6012.8	6159.1	6028.7	5634.5	5382.0	4043.8	4070.1	267.3	238.7	128.0
3°	5792.2	6049.4	6162.3	5969.3	5580.8	5362.7	4031.3	4089.7	265.1	237.7	128.0
1°	5806.0	6025.3	6114.5	5894.0	5516.8	5328.4	4002.7	4091.9	261.5	233.1	128.0
0°	5776.3	5995.7	6079.0	5863.1	5489.4	5310.1	3991.4	4091.9	268.4	230.9	128.0
-1°	5705.4	5950.0	6043.7	5837.9	5466.6	5292.8	3982.3	4091.9	263.9	227.4	128.0
-3°	5576.4	5842.5	5961.4	5784.2	5410.5	5241.4	3964.9	4082.8	263.9	222.8	128.0
-5°	5479.1	5735.0	5860.7	5702.0	5337.5	5154.7	3925.0	4057.5	262.9	220.6	126.9
-7°	5350.0	5580.8	5725.9	5596.7	5251.7	5041.4	3864.5	4008.6	259.5	220.6	126.9
-9°	5214.1	5419.6	5572.8	5462.0	5142.2	4897.6	3798.3	3939.9	257.1	220.6	125.8
-11°	5088.3	5267.8	5409.5	5306.6	5011.8	4727.3	3696.6	3807.3	253.6	218.4	124.5
-13°	4829.0	4954.7	5078.0	4989.0	4699.8	4402.9	3495.5	3552.5	250.2	215.9	123.4
-15°	4387.9	4490.8	4588.9	4525.1	4289.6	3960.5	3209.9	3235.9	246.8	212.5	121.1
-17°	4071.3	4194.6	4293.0	4227.8	4038.2	3667.0	3005.3	3001.7	244.6	209.1	120.0
-19.5°	3809.6	3966.3	4081.6	4012.0	3858.8	3434.9	2846.3	2798.5	241.1	206.9	117.6
-22.5°	3581.2	3741.1	3852.0	3810.8	3728.6	3286.4	2831.5	2605.4	233.1	204.6	114.2
-25.5°	3648.5	3800.5	3895.3	3865.7	3750.3	3223.6	2972.0	2484.1	226.2	202.3	112.0
-29°	3949.0	4157.1	4307.8	4115.9	4073.6	3257.8	3293.2	2439.7	220.6	197.6	107.3
-33°	3960.5	4165.0	4199.4	4060.0	3958.3	2996.1	3356.0	2179.2	215.9	188.6	102.9
-37.5°	3889.7	4013.0	3958.3	3785.6	3381.2	2793.8	3269.2	1702.5	207.9	173.7	97.0
-42.5°	3661.1	3760.6	3585.8	3401.8	2710.5	2501.2	2697.8	1085.5	203.3	155.4	90.2
-47.5°	2404.4	2340.2	2292.2	2111.7	1675.1	1718.6	1450.2	253.6	195.5	133.6	84.5
-55°	635.2	628.6	612.5	530.2	465.1	412.4	270.8	201.0	186.2	115.4	75.5
-65°	443.5	425.1	377.2	241.1	212.5	178.2	199.9	169.1	126.9	99.3	63.0
-75°	149.7	141.9	122.2	118.8	112.0	118.8	125.8	104.1	89.2	77.7	50.3
-85°	92.6	88.0	70.8	63.0	68.6	76.5	76.5	69.6	53.7	43.4	36.5
-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)