

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: P958814

Luminaire Tested: **NFFLD-C25-D-UNV-66-TS2**

Issue Date: 2/3/2025



Test Information

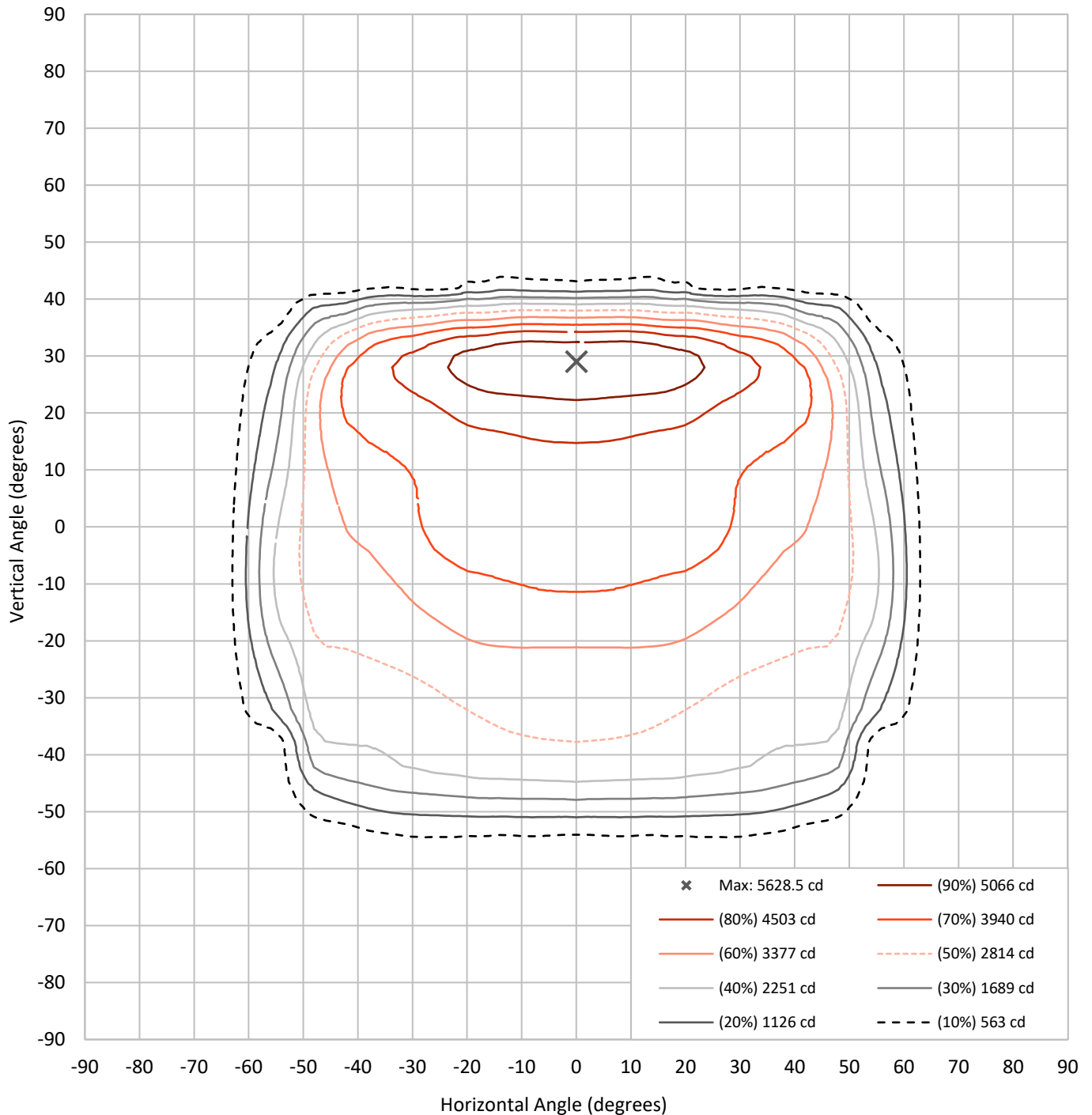
Test Method: LM-79-08
Report Number: P958814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393745)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C25-D-UNV-66-TS2
Description: FLOODLIGHT WITH TOP AND 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:	9171.1 lumens	Max Intensity:	5628.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	107.9 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:	6776.7 lumens	Field Lumens:	8934.2 lumens
Beam Efficiency:	73.9%	Field Efficiency:	97.4%
Input Watts (W):	85		
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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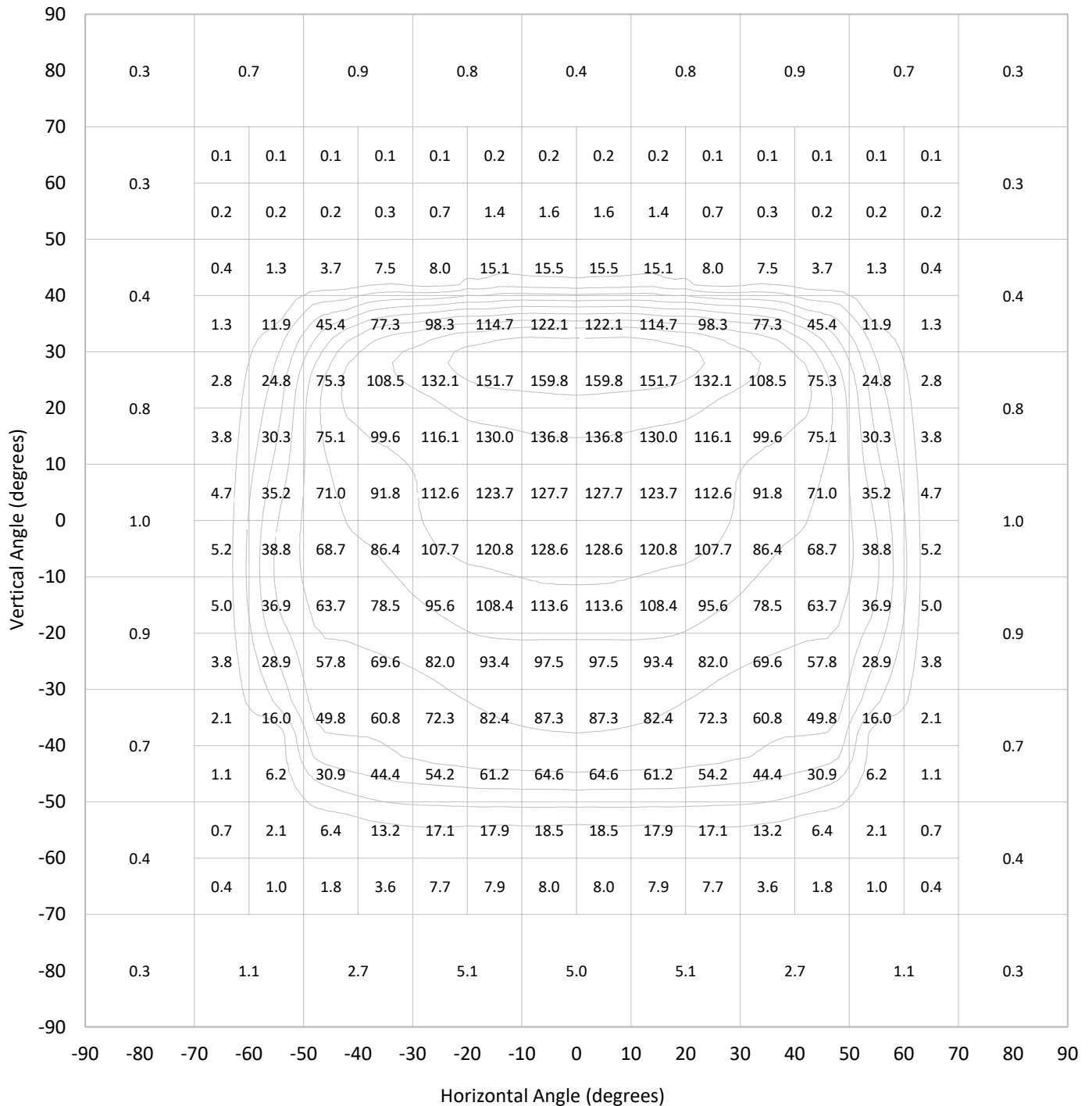
Iso-Candela Plot





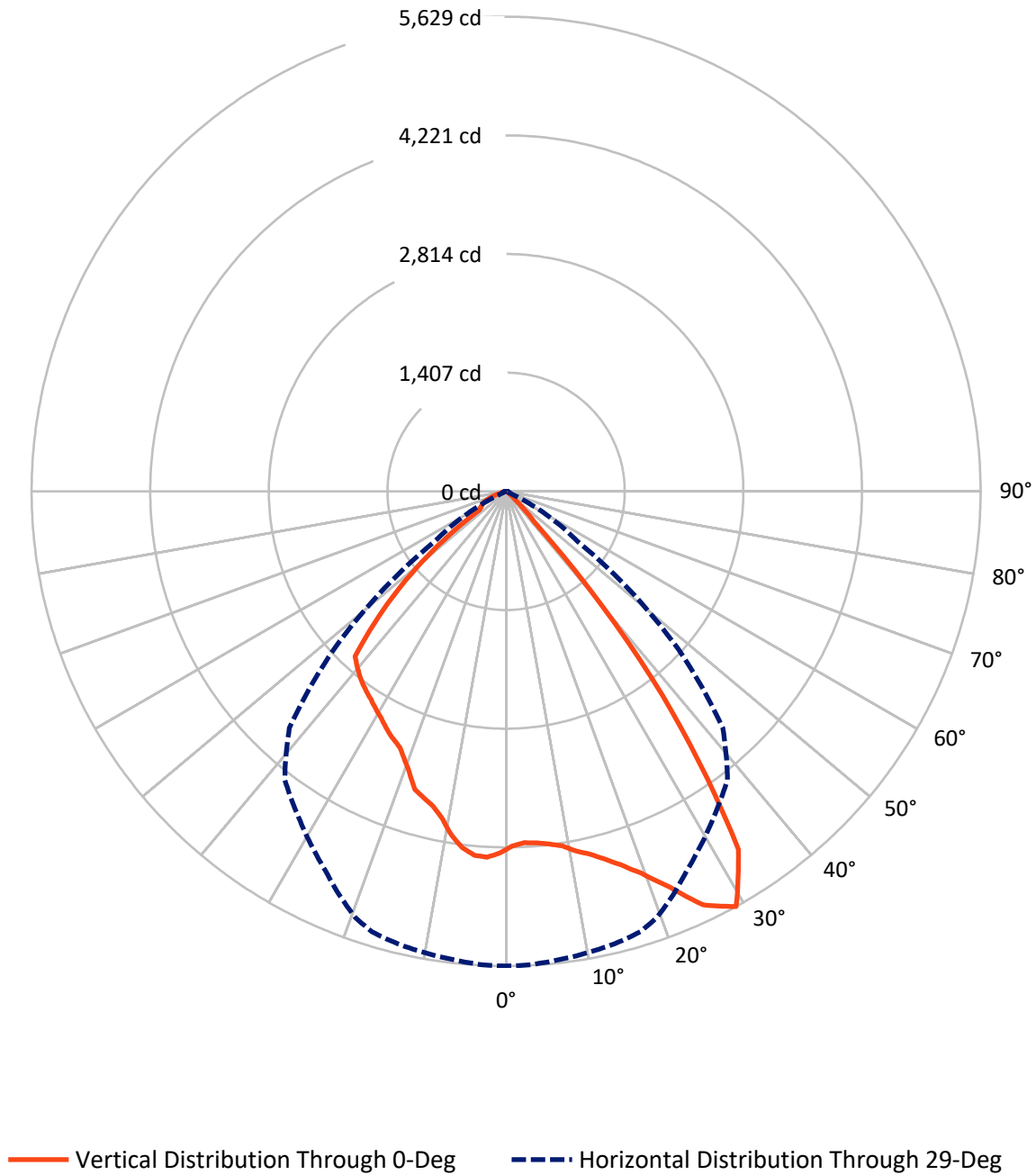
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Lumen Table



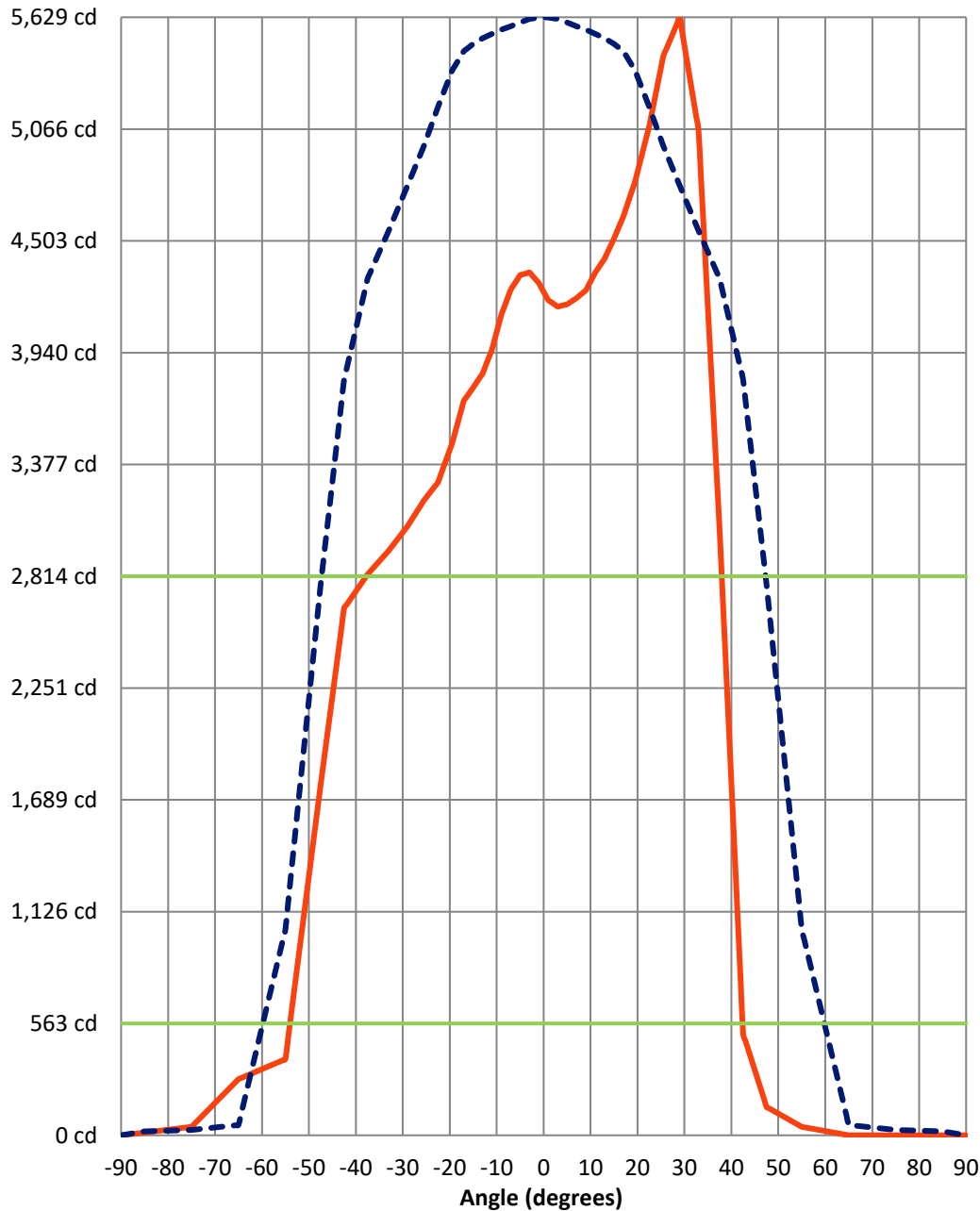
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 94.6°
 V Angle: 75.7°
 Lumens: 6776.7
 Efficiency: 73.9%

Field:
 H Angle: 119.6°
 V Angle: 96.4°
 Lumens: 8934.2
 Efficiency: 97.4%

Spill:
 Lumens: 236.9
 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	2.1	5.0	5.0	5.6	7.1	9.3	10.6	12.0	12.7	13.5
75°	0.0	0.7	2.1	3.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
65°	0.0	0.0	1.5	2.1	2.8	2.8	3.5	3.5	3.5	3.5	2.8
55°	42.6	41.1	42.6	42.6	42.6	41.9	39.1	35.5	33.3	34.1	31.2
47.5°	142.7	143.4	142.0	139.2	137.8	136.3	133.3	130.7	124.3	121.5	119.2
42.5°	511.8	561.4	549.5	593.4	577.1	618.3	678.7	728.4	731.2	400.4	595.5
37.5°	3042.6	3054.6	3064.5	3092.8	3080.2	3095.1	3065.2	3003.5	2909.0	2870.7	2889.2
33°	5059.2	5036.5	5046.4	5078.6	5098.9	5123.2	5087.6	5023.7	4905.9	4823.5	4784.5
29°	5628.5	5627.1	5620.1	5602.3	5583.2	5566.2	5544.8	5522.8	5494.3	5457.5	5359.6
25.5°	5432.7	5423.4	5410.0	5380.9	5366.0	5351.6	5331.1	5310.5	5279.3	5235.3	5142.4
22.5°	5080.5	5074.9	5067.1	5042.2	5022.3	5006.7	4986.1	4976.9	4954.9	4929.4	4864.6
19.5°	4803.0	4797.3	4798.0	4785.9	4772.4	4752.6	4727.7	4705.0	4686.6	4673.2	4636.8
17°	4626.9	4618.3	4619.8	4616.4	4602.8	4580.1	4557.3	4526.8	4502.0	4487.0	4457.4
15°	4514.8	4508.3	4510.5	4502.7	4487.9	4465.8	4443.8	4416.8	4391.2	4362.1	4331.6
13°	4414.1	4407.5	4409.1	4401.8	4386.9	4369.9	4352.8	4328.0	4308.9	4281.2	4249.3
11°	4342.9	4338.7	4334.4	4330.2	4316.7	4300.4	4285.4	4264.9	4248.6	4223.8	4200.3
9°	4254.3	4257.1	4252.8	4250.7	4240.8	4226.6	4214.5	4200.3	4190.4	4176.3	4168.4
7°	4214.5	4216.7	4212.5	4210.2	4203.1	4195.3	4184.0	4175.3	4175.3	4177.6	4183.4
5°	4183.4	4185.4	4184.0	4184.7	4185.4	4181.9	4178.3	4180.4	4193.9	4205.3	4208.8
3°	4172.0	4172.6	4177.6	4182.6	4189.7	4196.1	4203.9	4216.7	4232.9	4233.7	4228.0
1°	4204.6	4203.1	4218.0	4230.9	4243.6	4253.6	4255.0	4250.1	4250.7	4242.9	4278.4
0°	4246.5	4243.6	4258.6	4264.9	4277.7	4281.2	4268.5	4256.4	4246.5	4228.7	4286.9
-1°	4289.7	4288.3	4296.2	4296.8	4303.2	4299.0	4275.5	4256.4	4235.8	4203.9	4217.3
-3°	4343.7	4345.1	4342.9	4334.4	4333.0	4311.7	4276.3	4246.5	4211.0	4162.0	4131.3
-5°	4330.2	4329.5	4321.7	4310.3	4294.7	4268.5	4223.8	4185.4	4140.0	4084.6	4054.8
-7°	4257.1	4259.2	4244.3	4236.4	4202.5	4163.5	4112.2	4066.2	4027.1	3989.5	3976.1
-9°	4130.7	4135.0	4113.0	4109.4	4060.4	4017.2	3980.3	3947.0	3926.3	3906.3	3899.3
-11°	3956.1	3961.8	3947.6	3955.4	3923.6	3907.1	3890.0	3868.7	3852.4	3836.1	3821.2
-13°	3834.8	3837.5	3831.1	3830.5	3817.7	3814.1	3805.6	3793.5	3780.8	3761.6	3741.7
-15°	3764.5	3767.3	3761.6	3758.1	3750.9	3748.8	3741.0	3725.5	3708.4	3683.4	3652.2
-17°	3697.1	3702.7	3696.4	3692.1	3685.0	3679.2	3673.5	3656.5	3633.8	3604.7	3553.6
-19.5°	3482.7	3491.1	3484.1	3482.7	3483.3	3486.9	3486.2	3472.7	3464.3	3449.2	3403.1
-22.5°	3287.4	3291.0	3289.5	3291.0	3293.1	3294.5	3293.1	3287.4	3279.0	3260.4	3212.8
-25.5°	3195.8	3197.9	3195.8	3196.5	3193.7	3191.6	3185.9	3175.2	3164.6	3145.4	3099.3
-29°	3066.0	3068.8	3068.1	3067.3	3064.5	3056.0	3043.9	3029.0	3014.2	2990.7	2946.8
-33°	2943.0	2945.2	2943.8	2938.8	2932.5	2922.5	2908.3	2888.5	2865.7	2836.6	2789.0
-37.5°	2823.8	2820.3	2821.1	2814.7	2807.5	2796.2	2782.0	2764.2	2737.2	2705.3	2659.8
-42.5°	2652.8	2637.9	2633.6	2608.1	2600.9	2571.9	2562.6	2546.3	2529.3	2532.9	2479.6
-47.5°	1763.9	1739.9	1747.6	1726.3	1739.9	1725.0	1738.5	1712.2	1716.4	1715.7	1692.3
-55°	383.4	379.1	392.6	406.1	416.1	420.2	405.4	391.9	396.9	429.5	413.9
-65°	282.5	281.8	281.8	280.4	278.3	276.8	277.5	278.9	278.9	283.3	293.2
-75°	42.6	41.9	42.6	41.9	39.1	40.5	44.0	42.6	44.0	44.0	44.0
-85°	13.5	13.5	12.7	14.9	15.6	18.4	21.3	22.7	24.1	24.9	24.9
-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-C25-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°	14.2	14.2	14.9	14.9	14.2	14.2	14.2	14.2	14.2	14.9	15.6
75°	5.0	5.6	6.4	7.8	8.5	9.9	9.9	11.4	12.7	14.2	15.6
65°	2.8	2.1	2.1	2.1	2.8	3.5	5.6	7.8	10.6	12.7	14.9
55°	25.6	16.9	7.8	7.1	7.1	6.4	5.6	6.4	10.6	12.7	14.9
47.5°	98.0	65.3	39.7	32.6	29.8	24.1	21.9	22.7	19.2	13.5	15.6
42.5°	156.2	156.9	128.5	395.5	334.5	130.7	135.7	93.0	26.9	15.6	16.4
37.5°	2857.9	2649.2	2588.9	2437.0	2234.0	1622.1	1456.6	139.9	34.8	19.8	17.8
33°	4727.0	4511.2	4203.1	4135.0	3780.8	3108.5	2234.8	778.7	43.2	23.4	18.4
29°	5177.1	4980.5	4780.9	4553.9	4312.5	3804.2	2770.7	1036.4	51.8	26.9	19.8
25.5°	5003.9	4853.4	4683.8	4492.0	4349.3	4054.0	3150.3	1221.7	60.3	31.9	20.6
22.5°	4731.3	4585.7	4449.4	4317.5	4238.7	4059.0	3298.8	1346.7	69.5	37.6	21.9
19.5°	4521.2	4385.0	4262.0	4167.0	4135.6	3978.8	3338.5	1448.8	78.1	42.6	22.7
17°	4350.1	4233.7	4144.3	4085.3	4052.6	3863.8	3335.0	1533.3	86.6	44.7	22.7
15°	4239.4	4133.5	4070.3	4032.7	3973.8	3759.6	3313.6	1607.9	93.7	46.9	23.4
13°	4172.6	4092.4	4042.0	3985.2	3874.5	3651.6	3286.7	1686.0	98.6	48.2	23.4
11°	4135.0	4071.8	4024.3	3919.1	3767.3	3575.6	3264.1	1767.5	101.5	49.6	24.1
9°	4120.8	4056.2	3977.4	3835.4	3689.8	3523.2	3243.4	1859.2	103.5	51.1	24.1
7°	4143.5	4073.2	3954.8	3787.9	3626.0	3486.2	3228.5	1950.7	105.0	52.5	24.1
5°	4163.5	4095.9	3950.4	3737.4	3570.7	3449.2	3214.3	2040.9	106.4	54.0	24.9
3°	4177.6	4108.8	3944.0	3686.4	3523.2	3414.4	3202.8	2124.6	107.1	54.6	24.9
1°	4218.0	4101.6	3923.6	3644.5	3487.6	3389.0	3190.8	2201.3	105.7	54.6	24.9
0°	4191.1	4081.7	3902.8	3626.7	3469.2	3377.6	3185.2	2234.8	105.7	54.0	24.9
-1°	4136.3	4055.5	3878.7	3609.7	3452.9	3366.8	3182.3	2268.1	105.0	54.0	24.9
-3°	4054.8	3991.6	3828.3	3578.4	3415.2	3337.0	3174.5	2325.6	104.5	53.2	24.1
-5°	3984.6	3930.6	3774.4	3534.4	3367.6	3296.7	3153.9	2362.4	103.5	52.5	24.1
-7°	3924.2	3852.4	3699.2	3473.4	3313.6	3246.3	3131.9	2385.1	102.9	51.8	24.1
-9°	3847.4	3758.7	3602.6	3403.1	3254.1	3185.2	3101.5	2388.0	102.3	51.1	23.4
-11°	3762.3	3662.1	3509.0	3330.0	3196.5	3127.0	3062.4	2369.5	101.5	49.6	22.7
-13°	3669.3	3560.0	3419.4	3261.8	3136.9	3070.2	3020.5	2325.6	100.7	49.6	22.7
-15°	3567.1	3457.1	3327.9	3196.5	3082.9	3007.1	2972.3	2259.4	100.7	49.0	21.9
-17°	3457.1	3340.6	3229.2	3122.7	3020.5	2944.5	2916.8	2168.7	99.3	48.2	21.3
-19.5°	3309.4	3202.3	3112.0	3026.9	2933.1	2864.4	2843.7	2018.2	97.2	47.5	20.6
-22.5°	3121.3	3021.3	2947.3	2890.6	2828.8	2779.1	2774.9	1819.5	93.7	46.1	19.8
-25.5°	3016.3	2925.3	2854.4	2793.3	2745.7	2721.6	2713.7	1618.6	89.4	44.7	18.4
-29°	2878.6	2801.2	2735.8	2671.9	2630.8	2632.2	2638.5	1384.9	85.8	41.9	17.8
-33°	2725.9	2660.6	2594.6	2525.0	2480.9	2484.5	2493.7	1125.9	86.6	38.3	16.9
-37.5°	2603.8	2541.4	2462.5	2375.2	2301.4	2297.9	2266.7	152.6	88.7	33.3	16.4
-42.5°	2418.4	2393.0	2286.6	2211.2	2075.0	1952.8	1782.6	150.6	85.1	26.9	16.4
-47.5°	1651.9	1618.6	1586.6	1549.0	1423.4	1233.8	971.1	141.3	75.2	20.6	15.6
-55°	444.4	441.5	456.4	417.4	344.2	132.8	137.0	88.7	49.6	16.4	15.6
-65°	313.7	318.0	249.9	132.8	93.0	65.3	93.0	53.2	26.9	15.6	15.6
-75°	44.0	40.5	29.8	32.6	34.1	34.1	31.9	20.6	16.9	16.4	15.6
-85°	24.9	24.9	24.1	23.4	22.7	21.3	20.6	19.2	18.4	16.9	16.4
-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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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)