

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: P958815

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

Issue Date: 2/3/2025



**Test Information**

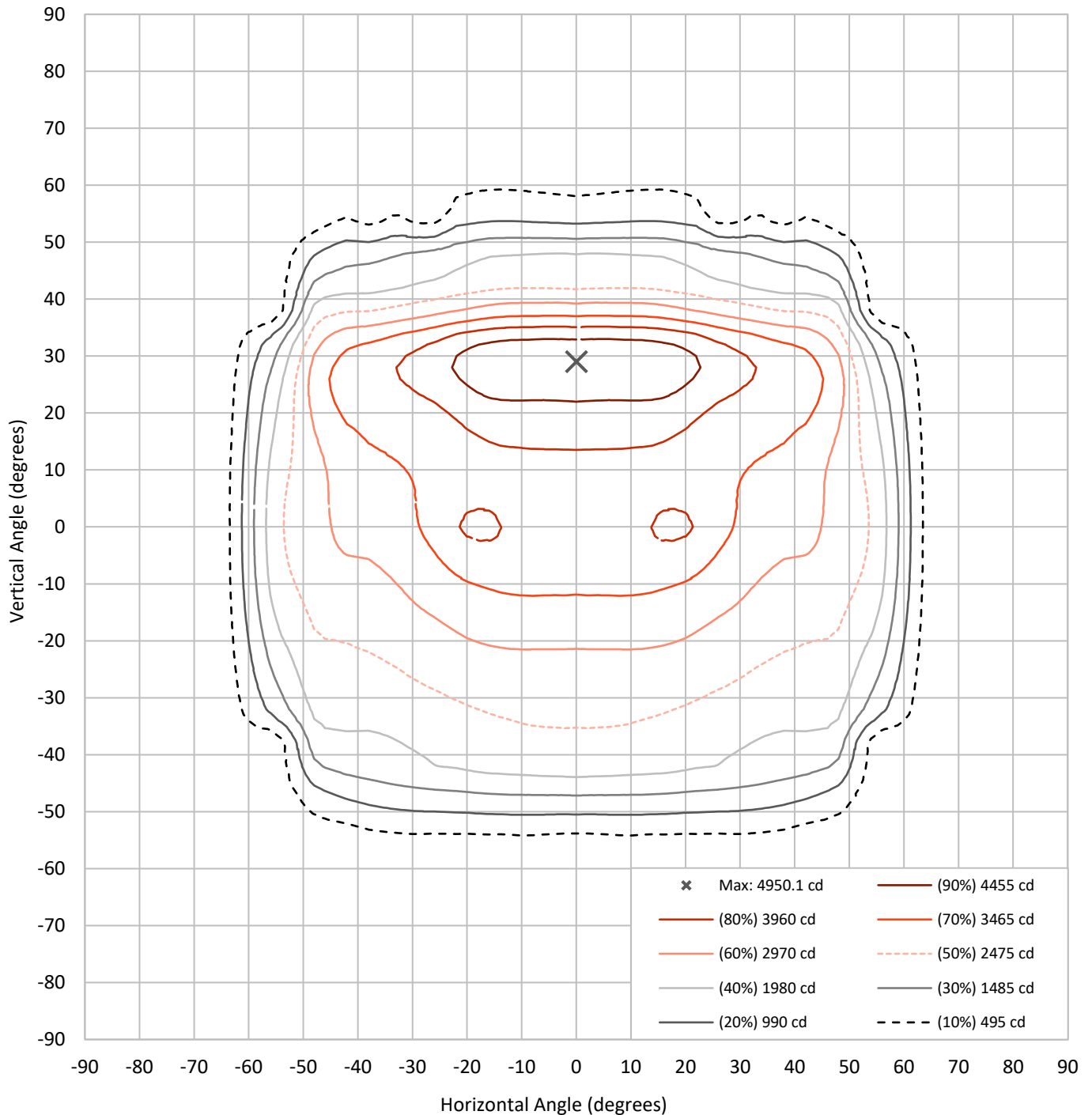
Test Method: LM-79-08  
Report Number: P958815  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393747)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/3/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NFFLD-C25-D-UNV-66-VS  
Description: FLOODLIGHT 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:	8971.1 lumens	Max Intensity:	4950.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	105.5 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:	6483.4 lumens	Field Lumens:	8681.5 lumens
Beam Efficiency:	72.3%	Field Efficiency:	96.8%
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		

REPORT NUMBER: P958815  
CATALOG NUMBER: NFFLD-C25-D-UNV-66-VS

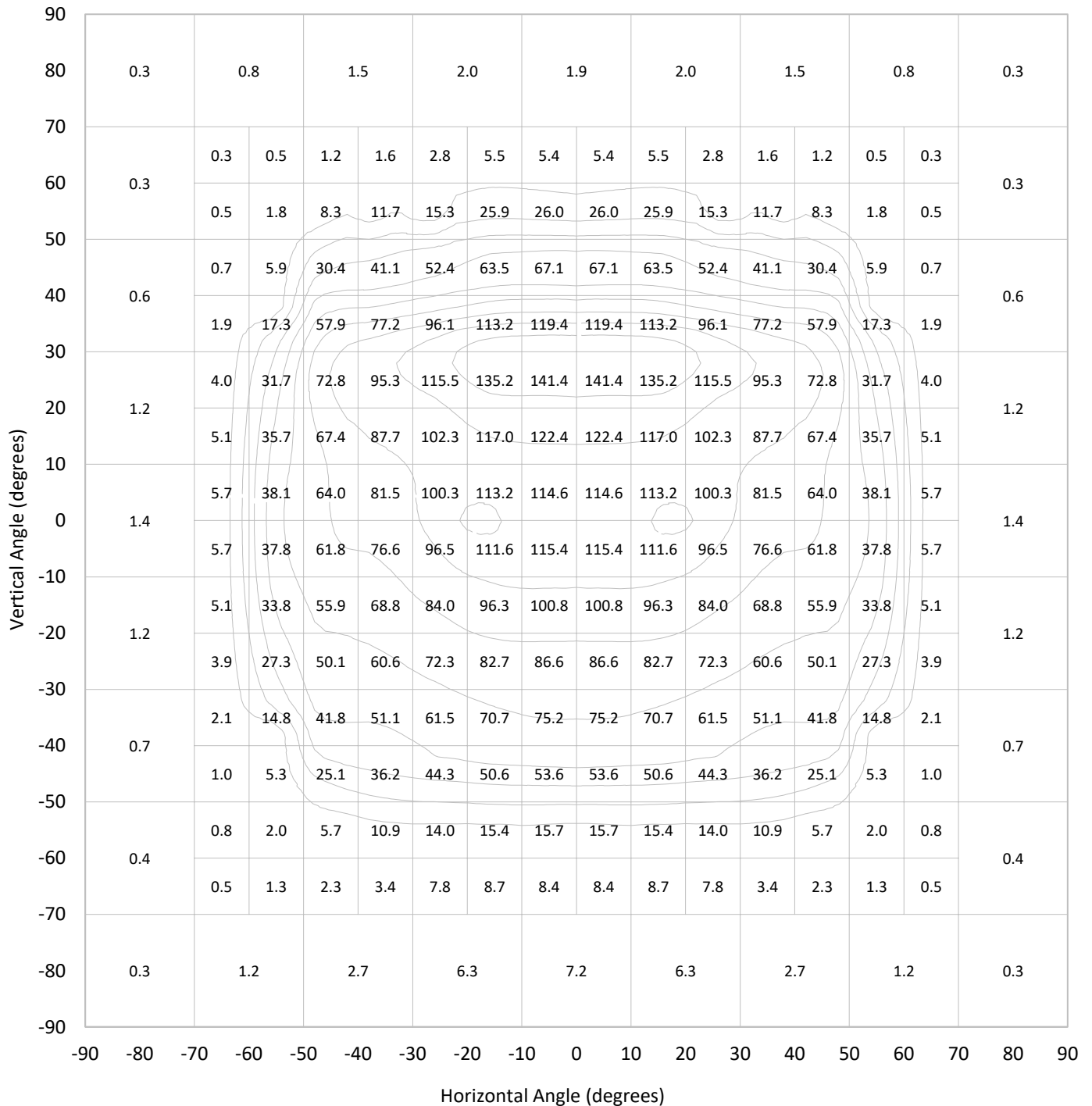
### Iso-Candela Plot





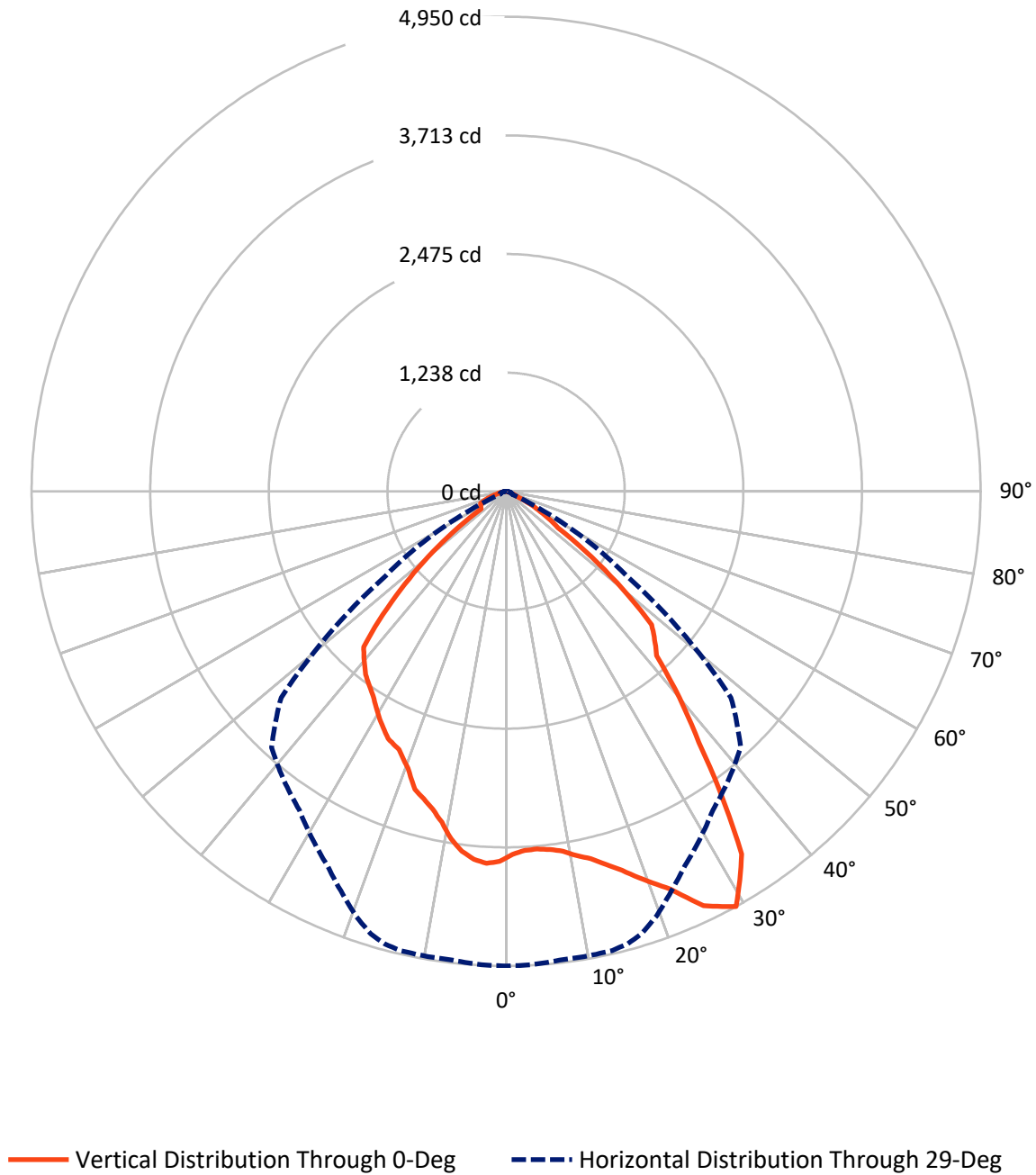
REPORT NUMBER: P958815  
 CATALOG NUMBER: NFFLD-C25-D-UNV-66-VS

**Lumen Table**



REPORT NUMBER: P958815  
CATALOG NUMBER: NFFLD-C25-D-UNV-66-VS

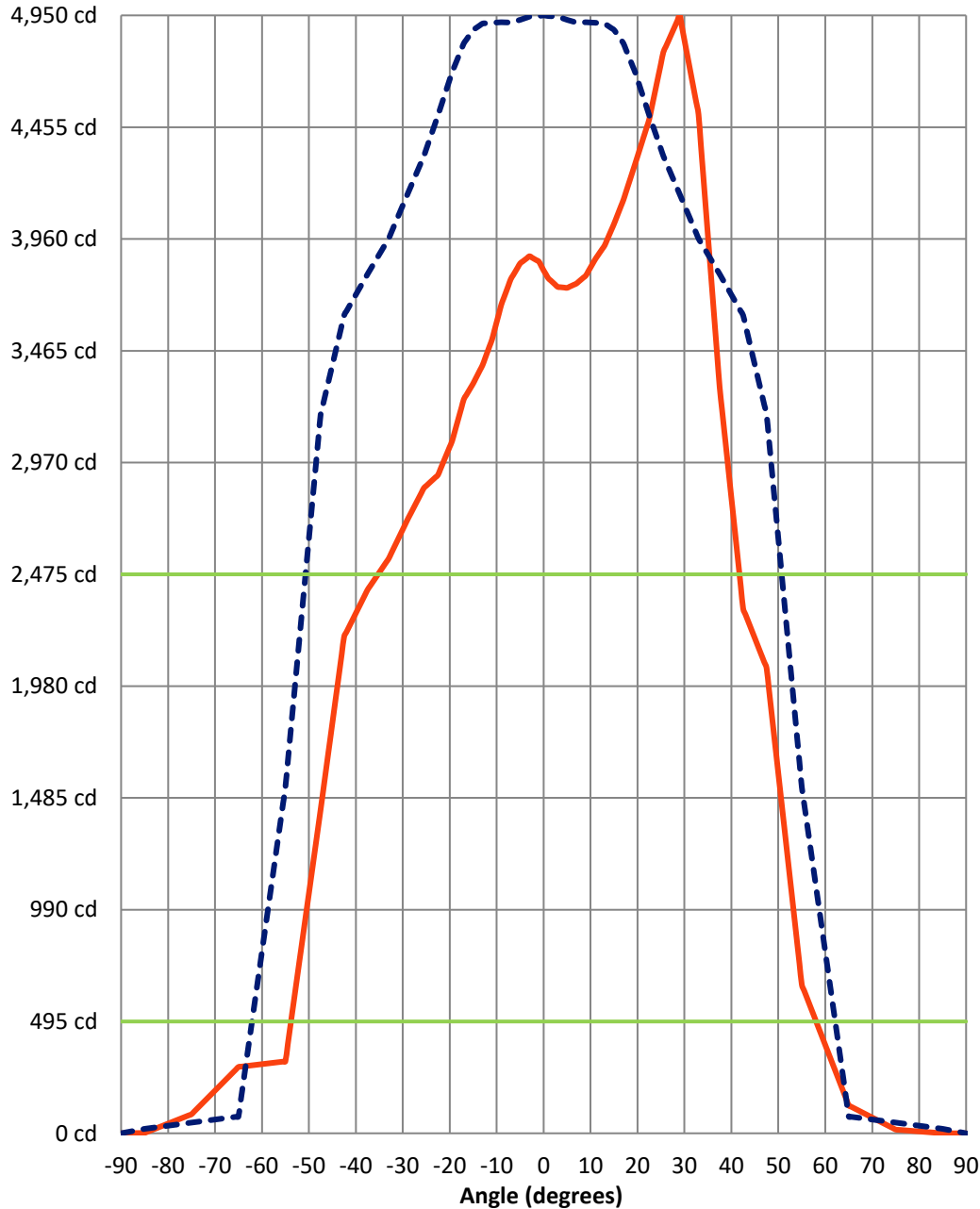
### Luminous Intensity Polar Plot





REPORT NUMBER: P958815  
 CATALOG NUMBER: NFFLD-C25-D-UNV-66-VS

### Luminous Intensity Plot



**Beam:**  
 H Angle: 101.4°  
 V Angle: 77°  
 Lumens: 6483.4  
 Efficiency: 72.3%

**Field:**  
 H Angle: 124.2°  
 V Angle: 111.9°  
 Lumens: 8681.5  
 Efficiency: 96.8%

**Spill:**  
 Lumens: 289.6  
 Efficiency: 3.2%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 29-Deg



REPORT NUMBER: P958815  
 CATALOG NUMBER: NFFLD-C25-D-UNV-66-VS

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	5.6	7.1	9.3	11.4	14.2	14.9	15.6	16.4
75°	16.4	16.4	15.6	14.2	12.7	14.2	14.9	14.9	14.2	11.4	9.9
65°	123.2	123.2	123.9	121.8	116.9	114.0	111.1	115.4	123.9	131.0	122.4
55°	658.6	675.4	674.8	706.7	719.4	742.7	763.3	769.7	771.1	749.9	702.5
47.5°	2059.8	2076.8	2071.1	2073.2	2059.1	2051.9	2038.5	2029.3	2023.7	1996.7	1899.8
42.5°	2323.9	2336.7	2346.6	2357.9	2363.5	2366.4	2365.7	2354.3	2323.1	2265.9	2211.3
37.5°	3303.9	3336.5	3337.9	3338.6	3323.7	3313.1	3319.4	3299.5	3268.5	3216.0	3124.0
33°	4511.8	4516.8	4533.8	4532.4	4533.8	4502.7	4509.7	4482.1	4433.2	4376.6	4289.6
29°	4950.1	4947.2	4944.5	4930.4	4918.3	4919.7	4917.5	4914.0	4885.8	4826.2	4698.1
25.5°	4786.6	4775.9	4771.7	4747.7	4735.6	4751.2	4757.6	4751.2	4726.4	4659.2	4533.8
22.5°	4489.9	4482.1	4475.0	4465.7	4463.8	4470.1	4470.7	4470.7	4458.0	4409.9	4305.8
19.5°	4292.9	4288.1	4285.3	4276.1	4276.1	4280.3	4275.3	4260.4	4239.3	4203.8	4119.7
17°	4133.0	4128.8	4124.5	4120.9	4115.4	4115.4	4117.4	4102.6	4082.0	4045.9	3968.0
15°	4026.8	4021.9	4024.0	4017.6	4019.1	4012.6	4009.1	3999.9	3980.1	3935.5	3863.2
13°	3931.2	3929.1	3932.7	3928.4	3929.9	3923.4	3915.7	3910.6	3895.1	3853.4	3788.2
11°	3870.3	3867.4	3866.0	3867.4	3866.8	3866.0	3857.6	3847.0	3826.4	3782.5	3725.2
9°	3798.1	3795.2	3796.7	3798.8	3798.1	3797.4	3791.8	3784.7	3768.4	3733.6	3688.3
7°	3762.7	3764.8	3762.7	3765.5	3765.5	3766.3	3772.0	3776.8	3784.7	3783.9	3744.3
5°	3743.5	3744.3	3744.3	3747.8	3751.3	3760.6	3781.8	3810.1	3847.7	3878.2	3843.5
3°	3747.8	3747.1	3751.3	3758.4	3769.8	3788.9	3827.2	3878.2	3946.1	3986.5	3954.6
1°	3786.0	3788.2	3801.7	3815.9	3832.7	3851.2	3883.8	3926.2	4000.6	4045.2	4082.7
0°	3820.8	3825.7	3831.4	3849.8	3861.8	3878.2	3898.6	3932.7	3999.9	4040.2	4097.6
-1°	3859.8	3855.5	3865.4	3873.9	3881.6	3893.7	3905.7	3930.5	3986.5	4018.4	4047.4
-3°	3883.8	3887.3	3888.7	3889.5	3898.6	3898.6	3899.4	3917.1	3946.9	3956.0	3898.0
-5°	3851.9	3853.4	3850.6	3851.2	3857.6	3856.2	3844.8	3853.4	3850.6	3822.2	3761.3
-7°	3781.8	3783.9	3779.7	3777.5	3781.8	3762.1	3742.2	3735.0	3708.2	3678.5	3631.7
-9°	3669.9	3679.1	3666.4	3664.9	3655.8	3638.8	3614.7	3604.0	3577.9	3552.4	3513.5
-11°	3514.3	3526.9	3519.1	3523.3	3521.9	3521.9	3508.5	3500.1	3473.1	3439.8	3398.7
-13°	3401.6	3409.4	3406.6	3408.0	3413.7	3422.9	3412.9	3405.8	3378.2	3343.6	3303.9
-15°	3320.2	3329.3	3328.6	3328.0	3333.6	3340.7	3333.0	3324.4	3296.8	3261.4	3216.0
-17°	3250.1	3255.1	3257.2	3255.1	3254.3	3254.3	3245.8	3236.6	3209.7	3171.4	3120.5
-19.5°	3064.5	3071.6	3073.1	3071.6	3070.2	3070.9	3073.8	3062.4	3044.7	3020.7	2983.8
-22.5°	2915.1	2916.5	2917.9	2919.4	2919.4	2920.8	2920.1	2911.5	2897.5	2880.4	2840.0
-25.5°	2857.2	2857.8	2858.5	2859.2	2855.7	2855.0	2846.4	2834.4	2816.1	2799.0	2758.6
-29°	2716.9	2720.4	2721.1	2718.3	2717.6	2710.5	2697.7	2679.4	2661.0	2644.7	2605.0
-33°	2544.8	2548.4	2547.6	2541.2	2540.6	2529.2	2513.7	2493.2	2471.1	2442.1	2397.0
-37.5°	2406.8	2407.4	2406.8	2401.8	2398.2	2389.1	2373.4	2352.3	2324.6	2292.8	2249.5
-42.5°	2198.6	2198.6	2187.9	2178.0	2168.9	2148.2	2138.3	2123.6	2110.1	2099.4	2049.8
-47.5°	1433.1	1429.7	1416.1	1423.9	1420.4	1414.7	1418.9	1413.4	1400.5	1385.7	1355.8
-55°	318.6	319.4	327.1	345.6	361.2	369.6	366.9	347.7	348.4	364.6	341.3
-65°	293.8	294.6	295.9	298.1	298.1	298.8	305.9	314.4	319.4	328.5	336.3
-75°	84.3	85.7	86.4	84.9	83.6	85.7	88.5	86.4	87.0	87.0	79.3
-85°	1.5	3.5	7.1	9.9	12.0	14.9	16.9	19.2	19.7	19.7	19.7
-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: P958815

CATALOG NUMBER: NFFLD-C25-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°	16.4	16.4	16.4	16.4	16.4	16.4	15.6	15.6	15.6	15.6	15.6
75°	9.9	11.4	13.5	19.2	19.7	19.2	14.2	14.9	15.6	14.9	15.6
65°	96.3	60.9	39.0	30.5	25.5	30.5	28.2	24.0	20.6	14.9	14.9
55°	637.9	155.0	149.5	492.8	148.7	436.2	116.9	69.4	32.5	14.9	15.6
47.5°	1814.9	1717.1	1627.1	1517.4	1406.9	1335.4	1077.0	121.1	41.0	17.8	16.4
42.5°	2134.9	2027.2	1971.9	1867.9	1745.3	1749.0	1642.1	134.5	43.9	24.0	16.9
37.5°	3026.3	2915.8	2789.9	2668.7	2535.6	2506.6	2328.1	150.9	47.4	31.9	17.8
33°	4161.4	3958.8	3782.5	3625.4	3432.0	3293.3	2857.8	1221.5	60.2	39.6	18.4
29°	4507.7	4327.8	4157.8	3961.7	3804.5	3621.8	3182.1	1533.1	74.4	47.4	19.7
25.5°	4371.6	4227.9	4083.4	3922.7	3812.3	3689.0	3303.1	1746.2	87.9	54.5	21.3
22.5°	4152.9	4012.0	3895.1	3784.7	3716.0	3622.5	3233.0	1881.4	99.1	60.9	21.9
19.5°	3969.5	3842.0	3742.2	3662.1	3631.0	3519.1	3114.9	1987.6	111.9	66.5	23.3
17°	3834.2	3720.9	3638.2	3592.8	3562.2	3403.0	3028.5	2070.4	123.2	70.7	24.0
15°	3745.0	3645.1	3581.5	3548.2	3500.7	3307.4	2968.2	2132.8	133.1	73.6	24.0
13°	3689.0	3611.1	3563.7	3507.8	3422.1	3215.3	2918.7	2191.5	141.7	75.7	24.9
11°	3650.0	3593.5	3548.2	3451.9	3331.6	3153.8	2887.5	2243.2	147.9	77.1	24.9
9°	3628.2	3571.5	3507.8	3384.0	3262.0	3112.0	2876.9	2292.0	152.9	78.6	25.5
7°	3660.0	3582.1	3487.2	3346.5	3215.3	3100.0	2877.5	2329.6	155.8	79.3	25.5
5°	3716.7	3609.0	3488.0	3310.3	3179.9	3092.1	2879.0	2357.9	155.8	80.0	25.5
3°	3786.7	3637.4	3488.7	3274.2	3149.5	3083.0	2880.4	2375.7	156.4	80.0	25.5
1°	3867.4	3636.7	3474.4	3241.6	3121.3	3068.9	2874.8	2381.9	153.6	78.6	25.5
0°	3876.0	3621.8	3456.9	3224.5	3105.6	3059.5	2869.8	2382.8	152.9	77.9	25.5
-1°	3857.6	3597.0	3436.2	3207.7	3088.6	3048.9	2865.6	2381.9	152.9	77.1	25.5
-3°	3716.0	3534.0	3385.4	3170.7	3046.8	3020.0	2855.7	2371.4	152.9	75.0	25.5
-5°	3612.6	3465.4	3325.1	3120.5	2992.4	2970.3	2835.9	2350.7	153.6	73.6	24.9
-7°	3516.9	3386.7	3251.6	3057.5	2932.2	2907.4	2802.5	2320.4	152.9	72.9	24.9
-9°	3420.7	3306.0	3170.0	2992.4	2869.8	2830.1	2758.6	2277.1	150.9	71.5	24.9
-11°	3323.7	3217.5	3086.5	2924.3	2811.1	2758.6	2705.5	2222.6	147.9	70.7	24.0
-13°	3233.8	3128.2	3004.3	2862.1	2753.6	2692.8	2650.4	2158.2	144.5	69.4	23.3
-15°	3136.1	3029.9	2922.2	2800.4	2701.2	2627.0	2595.0	2085.4	138.8	68.6	22.6
-17°	3031.3	2924.3	2828.0	2731.1	2641.9	2566.7	2538.4	2003.2	133.1	68.0	22.6
-19.5°	2896.1	2801.2	2721.1	2646.8	2561.7	2493.2	2469.1	1885.6	123.9	65.7	21.9
-22.5°	2750.9	2656.0	2592.2	2535.6	2462.7	2413.8	2411.7	1741.9	111.1	63.8	20.6
-25.5°	2677.3	2598.0	2532.7	2454.2	2379.1	2355.7	2352.3	1588.2	99.9	60.2	19.7
-29°	2534.9	2470.5	2411.0	2322.5	2255.3	2258.8	2262.3	1382.9	91.3	55.9	18.4
-33°	2335.2	2282.1	2221.3	2137.7	2092.3	2102.3	2092.3	1117.3	87.9	48.9	17.8
-37.5°	2192.9	2133.3	2060.5	1974.1	1909.7	1911.2	1856.5	154.4	84.3	40.4	16.9
-42.5°	1986.2	1968.4	1872.9	1799.2	1690.2	1601.6	1425.4	150.9	81.4	30.5	16.4
-47.5°	1330.5	1309.3	1287.3	1240.6	1154.8	1009.1	771.7	131.7	77.1	20.6	16.4
-55°	352.0	344.1	368.2	343.4	298.1	145.9	139.5	79.3	64.5	15.6	15.6
-65°	347.7	334.8	238.5	125.4	91.3	100.6	128.8	81.4	30.5	15.6	15.6
-75°	58.2	35.4	21.3	23.3	29.0	43.2	41.8	21.3	16.9	15.6	15.6
-85°	19.7	19.2	19.2	18.4	17.8	17.8	16.9	16.4	16.4	15.6	15.6
-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: P958815

CATALOG NUMBER: NFFLD-C25-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)