

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: P958816

Luminaire Tested: **NFFLD-C25-D-UNV-66-WG-8040**

Issue Date: 2/3/2025

Test Information

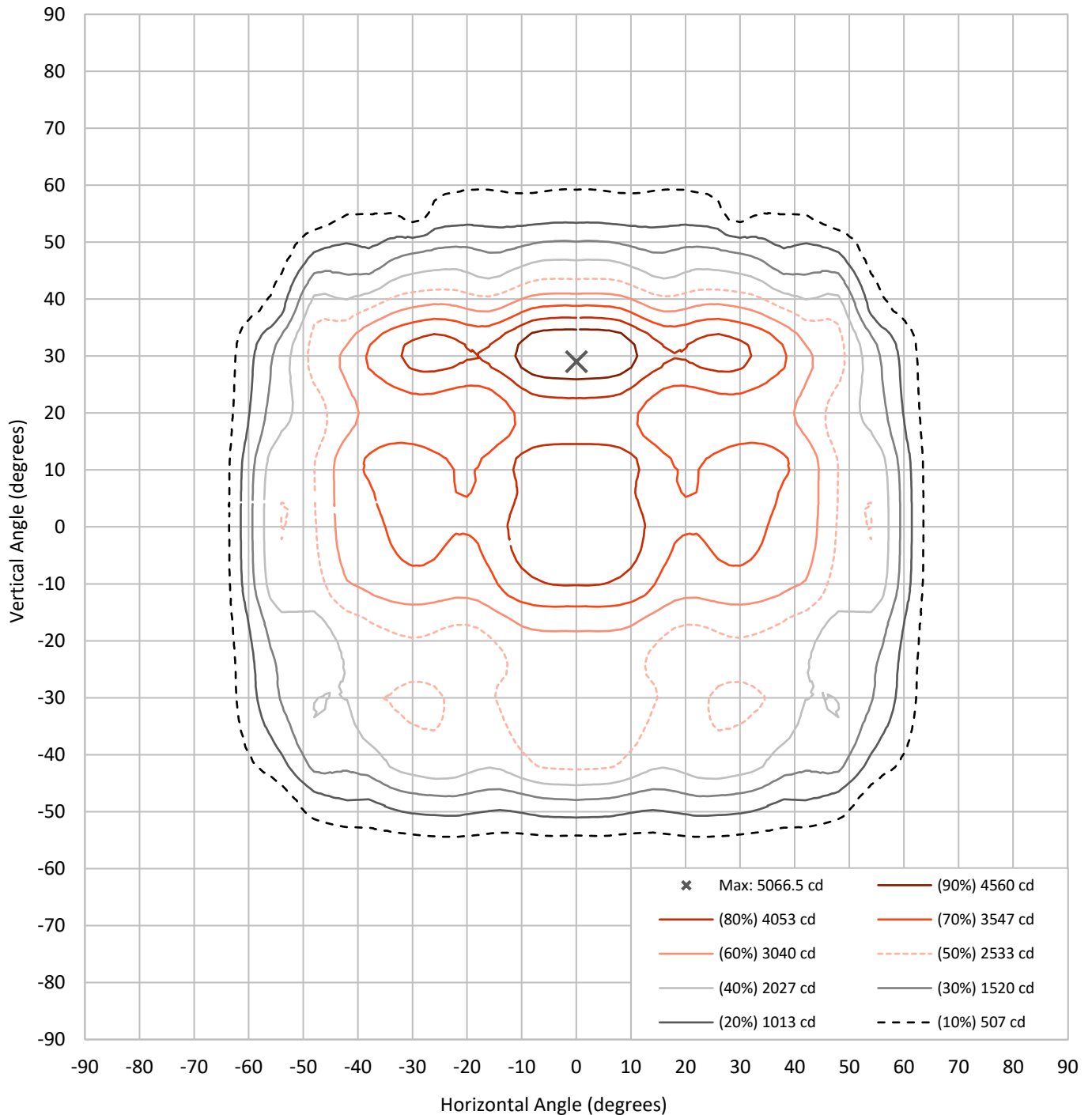
Test Method: LM-79-08
Report Number: P958816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P393746)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C25-D-UNV-66-WG-8040
Description: FLOODLIGHT WITH WIRE 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:	9027.6 lumens	Max Intensity:	5066.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	106.2 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:	5979 lumens	Field Lumens:	8643.2 lumens
Beam Efficiency:	66.2%	Field Efficiency:	95.7%
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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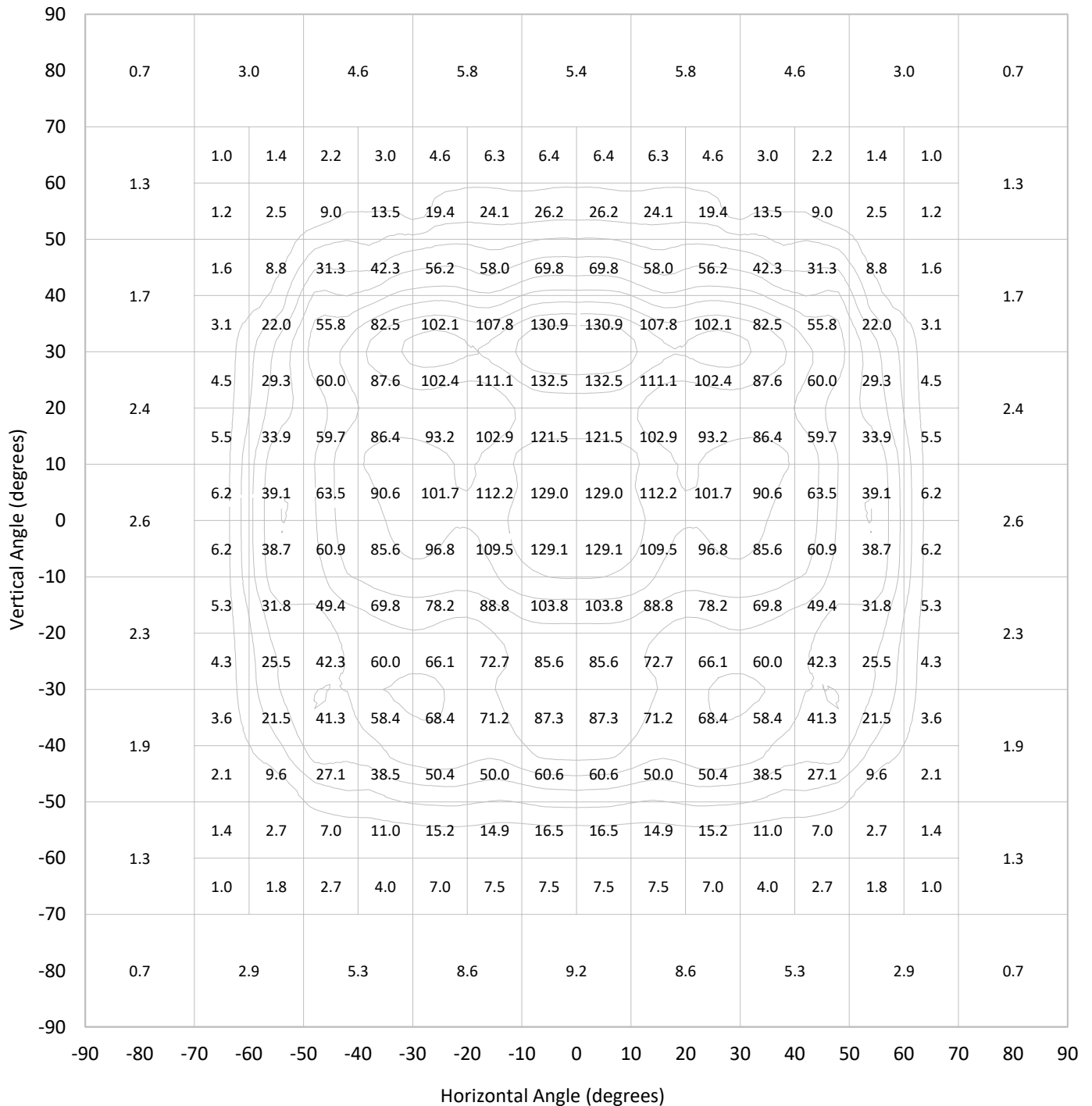
Iso-Candela Plot





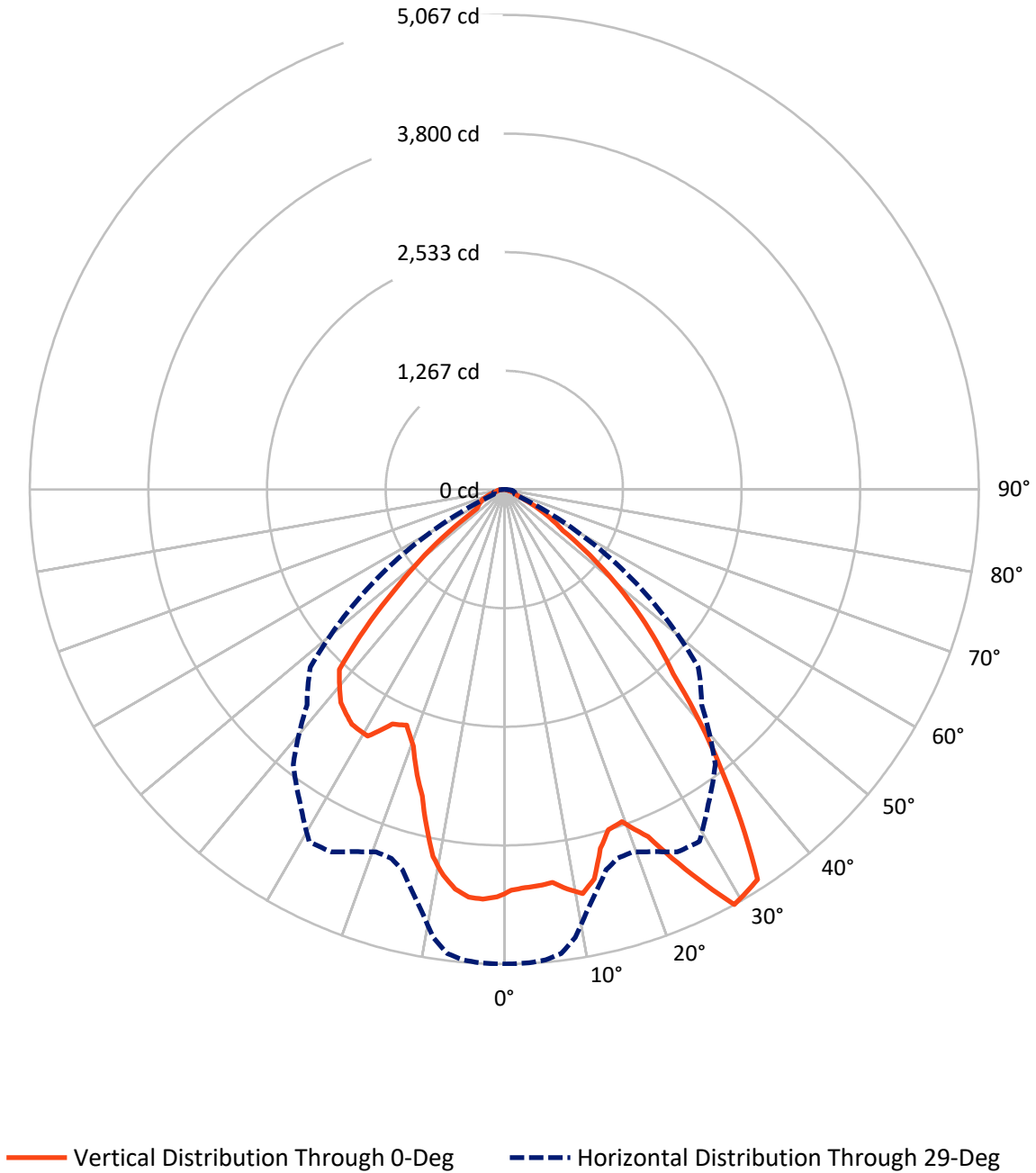
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Lumen Table



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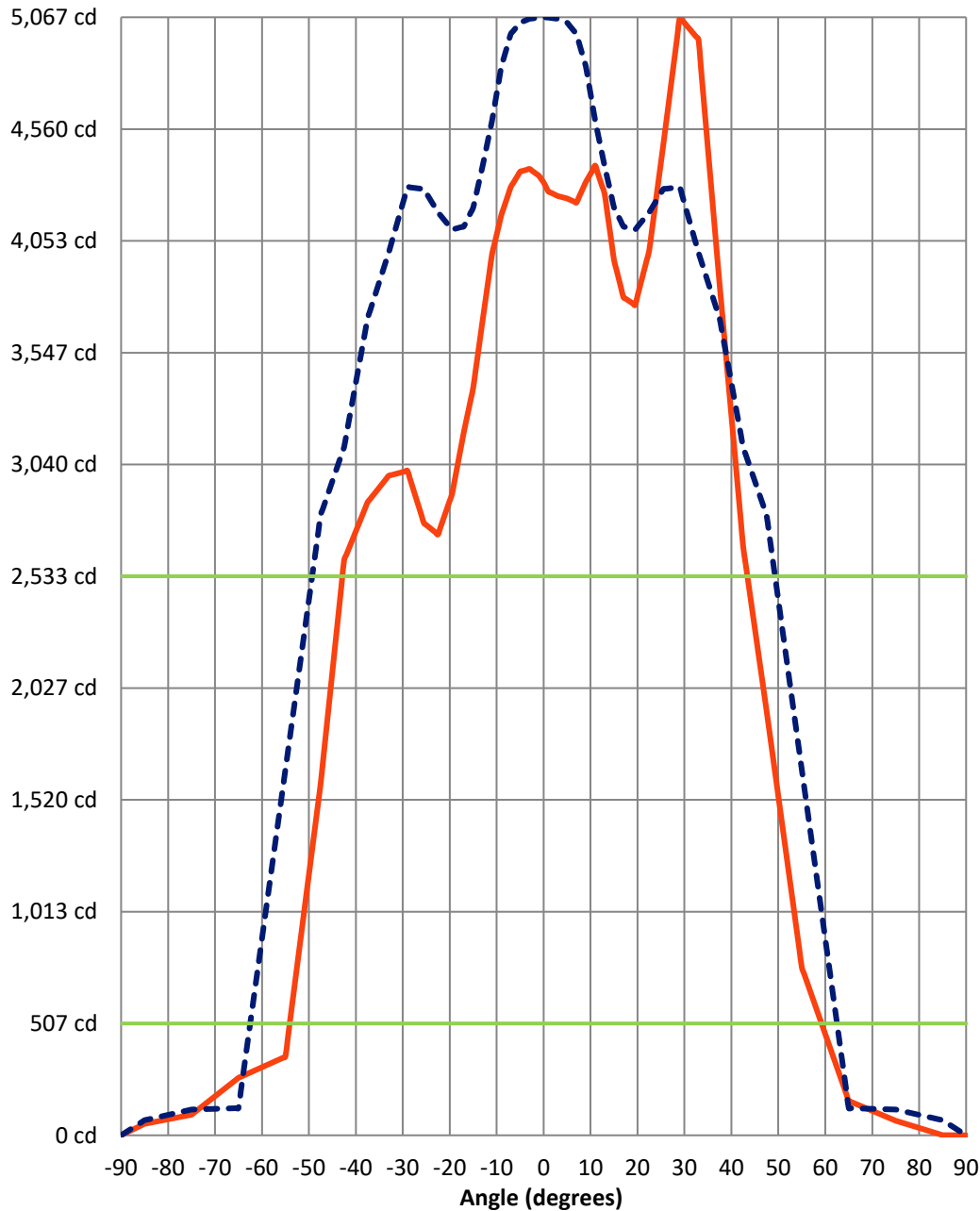
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 98.6°
 V Angle: 86.3°
 Lumens: 5979
 Efficiency: 66.2%

Field:
 H Angle: 125°
 V Angle: 113.3°
 Lumens: 8643.2
 Efficiency: 95.7%

Spill:
 Lumens: 384.3
 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°	0.7	3.5	17.8	21.9	23.5	26.4	32.0	36.2	41.2	45.5	48.3
75°	66.0	66.0	66.0	66.0	64.1	62.7	64.1	60.4	61.1	60.4	57.6
65°	155.8	155.8	151.6	142.9	135.1	136.5	141.5	149.3	165.0	155.1	152.8
55°	761.5	769.3	772.3	757.3	722.5	713.9	707.5	717.5	757.3	758.7	774.4
47.5°	1923.6	1945.5	1943.4	1927.1	1910.8	1803.3	1733.6	1622.0	1573.0	1613.6	1717.4
42.5°	2669.5	2678.6	2681.6	2682.3	2668.7	2564.9	2452.6	2276.2	2155.3	2121.2	2247.8
37.5°	3853.3	3878.3	3881.1	3829.2	3811.4	3692.0	3473.6	3295.9	3121.0	3076.2	3153.8
33°	4965.6	4965.6	4963.5	4942.1	4904.5	4736.6	4471.4	4275.1	4054.7	3939.5	3976.3
29°	5066.5	5065.0	5059.4	5042.4	4990.4	4843.3	4596.6	4391.7	4204.0	4118.7	4104.4
25.5°	4489.2	4482.8	4470.0	4450.0	4413.7	4296.5	4089.5	3906.1	3724.0	3632.3	3618.7
22.5°	4009.9	4006.2	4008.4	3981.3	3964.3	3888.2	3731.1	3566.9	3408.3	3298.8	3254.7
19.5°	3762.4	3765.1	3768.1	3761.8	3746.0	3688.4	3545.6	3384.8	3241.8	3125.9	3074.8
17°	3797.9	3800.8	3799.4	3795.8	3779.5	3714.6	3575.3	3419.6	3277.5	3145.1	3081.2
15°	3966.4	3972.2	3967.9	3957.2	3937.3	3862.7	3718.9	3551.2	3416.1	3259.0	3193.5
13°	4266.5	4270.8	4266.5	4250.2	4220.2	4147.7	4005.6	3815.8	3670.6	3480.1	3395.5
11°	4394.5	4395.3	4393.8	4377.4	4349.1	4282.8	4128.6	3938.1	3789.4	3598.8	3496.4
9°	4319.9	4326.2	4322.0	4308.5	4289.2	4231.6	4086.6	3912.4	3776.0	3598.8	3512.8
7°	4226.7	4231.0	4229.5	4223.2	4207.6	4160.6	4032.5	3865.5	3751.7	3578.9	3503.6
5°	4245.2	4250.9	4250.2	4247.4	4231.0	4183.4	4063.8	3902.4	3808.6	3635.1	3550.5
3°	4256.6	4261.6	4267.3	4263.7	4256.6	4226.7	4120.1	3972.8	3879.0	3694.7	3589.6
1°	4277.3	4284.3	4293.6	4291.5	4294.3	4267.9	4164.9	4002.7	3892.4	3696.2	3621.6
0°	4318.4	4322.7	4332.6	4326.9	4321.3	4293.6	4179.8	4013.4	3888.2	3686.3	3625.8
-1°	4348.3	4351.2	4351.2	4342.7	4328.3	4295.7	4174.9	4003.5	3867.0	3652.1	3554.1
-3°	4379.5	4383.2	4369.6	4342.7	4322.7	4281.5	4154.9	3972.2	3822.2	3592.5	3467.3
-5°	4366.8	4369.6	4364.0	4319.9	4287.8	4243.7	4113.0	3926.6	3766.7	3536.2	3407.5
-7°	4297.1	4302.8	4282.2	4252.4	4197.6	4145.6	4007.0	3817.2	3651.4	3439.5	3325.1
-9°	4170.6	4185.4	4157.8	4135.0	4066.0	4006.2	3871.2	3697.7	3544.8	3353.5	3246.1
-11°	3991.4	4006.2	3995.7	3994.9	3943.7	3894.8	3776.6	3613.7	3466.6	3281.0	3171.5
-13°	3691.3	3711.9	3707.0	3731.1	3685.6	3655.7	3542.7	3406.9	3276.7	3093.9	3007.9
-15°	3386.9	3369.3	3369.3	3380.5	3349.9	3318.6	3213.4	3097.5	2971.5	2814.5	2734.8
-17°	3185.6	3174.3	3175.7	3181.5	3155.1	3125.2	3028.6	2910.4	2772.5	2624.7	2536.5
-19.5°	2906.2	2903.4	2904.8	2919.7	2905.5	2886.3	2798.9	2686.5	2562.1	2431.9	2352.2
-22.5°	2722.7	2725.6	2734.8	2732.7	2726.3	2710.0	2626.8	2528.5	2404.9	2293.2	2212.9
-25.5°	2774.7	2771.8	2776.8	2764.7	2754.8	2708.6	2601.9	2508.1	2373.0	2289.0	2230.0
-29°	3011.4	3008.6	3011.4	3002.9	2995.1	2931.9	2801.1	2695.0	2531.6	2454.0	2394.2
-33°	2988.8	2988.0	2988.8	2982.4	2963.8	2879.3	2730.6	2589.1	2424.8	2337.3	2327.4
-37.5°	2868.5	2866.3	2867.8	2858.6	2828.7	2724.9	2576.9	2413.4	2283.3	2234.3	2279.1
-42.5°	2605.4	2596.9	2593.4	2573.5	2531.6	2394.9	2257.7	2101.3	2032.9	2039.4	2146.8
-47.5°	1592.1	1576.5	1560.8	1548.1	1512.4	1410.8	1365.3	1294.8	1297.8	1335.4	1400.9
-55°	356.2	359.8	371.1	373.3	364.8	353.5	336.3	330.6	342.1	379.8	390.4
-65°	260.3	263.1	268.1	258.1	240.3	237.4	246.8	264.6	270.2	266.7	273.0
-75°	93.2	94.5	96.7	93.9	88.2	93.2	96.0	91.7	90.3	88.9	90.3
-85°	51.9	52.6	52.6	50.6	53.3	51.9	49.7	51.2	52.6	56.9	55.5
-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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 CATALOG NUMBER: NFFLD-C25-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°	50.6	49.1	43.3	40.6	43.3	49.1	49.7	46.9	39.2	29.2	21.9
75°	56.1	59.0	61.8	64.1	66.0	61.8	62.7	67.6	66.0	53.3	29.9
65°	144.4	108.7	84.6	77.5	73.2	73.2	71.9	81.1	79.0	65.4	37.7
55°	713.2	699.0	155.1	470.0	478.6	460.7	133.6	111.7	93.2	72.6	46.2
47.5°	1757.8	1718.0	1650.5	1498.3	1117.8	1271.4	1176.2	147.1	96.0	80.4	52.6
42.5°	2384.9	2368.0	2316.8	2205.7	1762.1	1663.3	1894.3	459.5	95.3	88.9	56.9
37.5°	3308.0	3374.2	3275.9	3101.0	2724.2	2319.6	2524.4	702.6	100.3	98.8	61.1
33°	4164.9	4245.2	4162.7	3943.0	3544.8	2930.4	2781.1	1459.8	112.4	108.7	64.8
29°	4182.6	4287.8	4297.1	3999.9	3701.2	3118.9	2809.5	1656.9	123.0	116.7	68.3
25.5°	3699.1	3802.8	3810.8	3652.1	3399.0	3013.7	2628.9	1685.2	132.2	123.0	70.4
22.5°	3304.4	3409.6	3460.2	3366.9	3227.6	2916.2	2410.7	1754.3	142.2	128.0	72.6
19.5°	3107.5	3207.8	3293.8	3252.6	3167.2	2877.0	2305.3	1846.0	152.8	131.6	74.7
17°	3094.7	3198.5	3310.1	3330.1	3244.0	2937.5	2323.1	1949.8	161.5	133.6	76.1
15°	3200.0	3318.6	3451.6	3502.9	3394.0	3064.1	2386.4	2092.9	164.3	135.8	76.9
13°	3410.3	3571.8	3732.5	3785.1	3595.3	3254.7	2493.9	2285.5	166.4	138.6	77.5
11°	3524.2	3709.7	3889.6	3894.8	3656.4	3352.0	2542.1	2412.7	167.1	142.2	78.2
9°	3543.4	3717.5	3871.9	3838.5	3602.4	3353.5	2532.2	2474.5	167.9	145.0	79.0
7°	3526.9	3692.7	3808.6	3763.0	3528.4	3343.5	2514.4	2504.5	167.9	147.1	79.0
5°	3576.0	3741.8	3832.8	3751.7	3506.4	3349.2	2516.5	2532.8	166.4	148.5	79.6
3°	3604.5	3764.6	3834.8	3714.6	3473.0	3337.2	2508.7	2545.0	165.0	147.9	79.6
1°	3613.1	3749.6	3805.1	3667.8	3433.1	3315.8	2490.9	2546.4	162.8	145.0	79.6
0°	3594.6	3731.1	3783.0	3648.6	3416.1	3304.4	2483.8	2546.4	167.1	143.6	79.6
-1°	3550.5	3702.7	3761.0	3633.0	3401.8	3293.8	2478.2	2546.4	164.3	141.5	79.6
-3°	3470.2	3635.8	3709.7	3599.5	3366.9	3261.7	2467.4	2540.8	164.3	138.6	79.6
-5°	3409.6	3568.9	3647.1	3548.4	3321.6	3207.8	2442.5	2525.0	163.6	137.2	79.0
-7°	3329.3	3473.0	3563.2	3482.9	3268.1	3137.3	2404.9	2494.6	161.5	137.2	79.0
-9°	3244.8	3372.7	3468.0	3399.0	3200.0	3047.7	2363.7	2451.9	160.0	137.2	78.2
-11°	3166.5	3278.2	3366.4	3302.3	3118.9	2941.8	2300.4	2369.4	157.9	135.8	77.5
-13°	3005.1	3083.3	3160.1	3104.7	2924.7	2739.8	2175.2	2210.7	155.8	134.4	76.9
-15°	2730.6	2794.7	2855.7	2816.0	2669.5	2464.6	1997.6	2013.8	153.5	132.2	75.4
-17°	2533.6	2610.3	2671.6	2631.0	2513.0	2281.9	1870.2	1867.9	152.1	130.1	74.7
-19.5°	2370.7	2468.3	2540.0	2496.7	2401.4	2137.6	1771.3	1741.5	150.0	128.7	73.2
-22.5°	2228.6	2328.1	2397.0	2371.5	2320.4	2045.2	1762.1	1621.3	145.0	127.3	71.1
-25.5°	2270.6	2365.1	2424.1	2405.7	2333.8	2006.1	1849.5	1545.9	140.8	125.9	69.7
-29°	2457.5	2587.0	2680.8	2561.3	2535.0	2027.3	2049.4	1518.3	137.2	123.0	66.8
-33°	2464.6	2591.9	2613.3	2526.5	2463.3	1864.4	2088.4	1356.1	134.4	117.4	64.1
-37.5°	2420.6	2497.3	2463.3	2355.7	2104.1	1738.7	2034.4	1059.4	129.4	108.1	60.4
-42.5°	2278.3	2340.2	2231.5	2116.9	1686.7	1556.5	1678.8	675.5	126.6	96.7	56.1
-47.5°	1496.2	1456.3	1426.4	1314.1	1042.5	1069.4	902.5	157.9	121.7	83.2	52.6
-55°	395.3	391.1	381.1	330.0	289.5	256.7	168.5	125.1	115.9	71.9	46.9
-65°	275.9	264.6	234.6	150.0	132.2	110.8	124.5	105.2	79.0	61.8	39.2
-75°	93.2	88.2	76.1	74.0	69.7	74.0	78.2	64.8	55.5	48.3	31.3
-85°	57.6	54.7	44.1	39.2	42.7	47.6	47.6	43.3	33.4	27.0	22.7
-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)