

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: P393738

Luminaire Tested: **NFFLD-C25-D-UNV-66-7030-VS**

Issue Date: 3/31/2020

Test Information

Test Method: LM-79-08
Report Number: P393738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P130632)
Test Lab: INNOVATIONS CENTER
Issue Date: 3/31/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C25-D-UNV-66-7030-VS
Description: FLOODLIGHT WITH VANDAL SHIELD
Light Source: (2) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

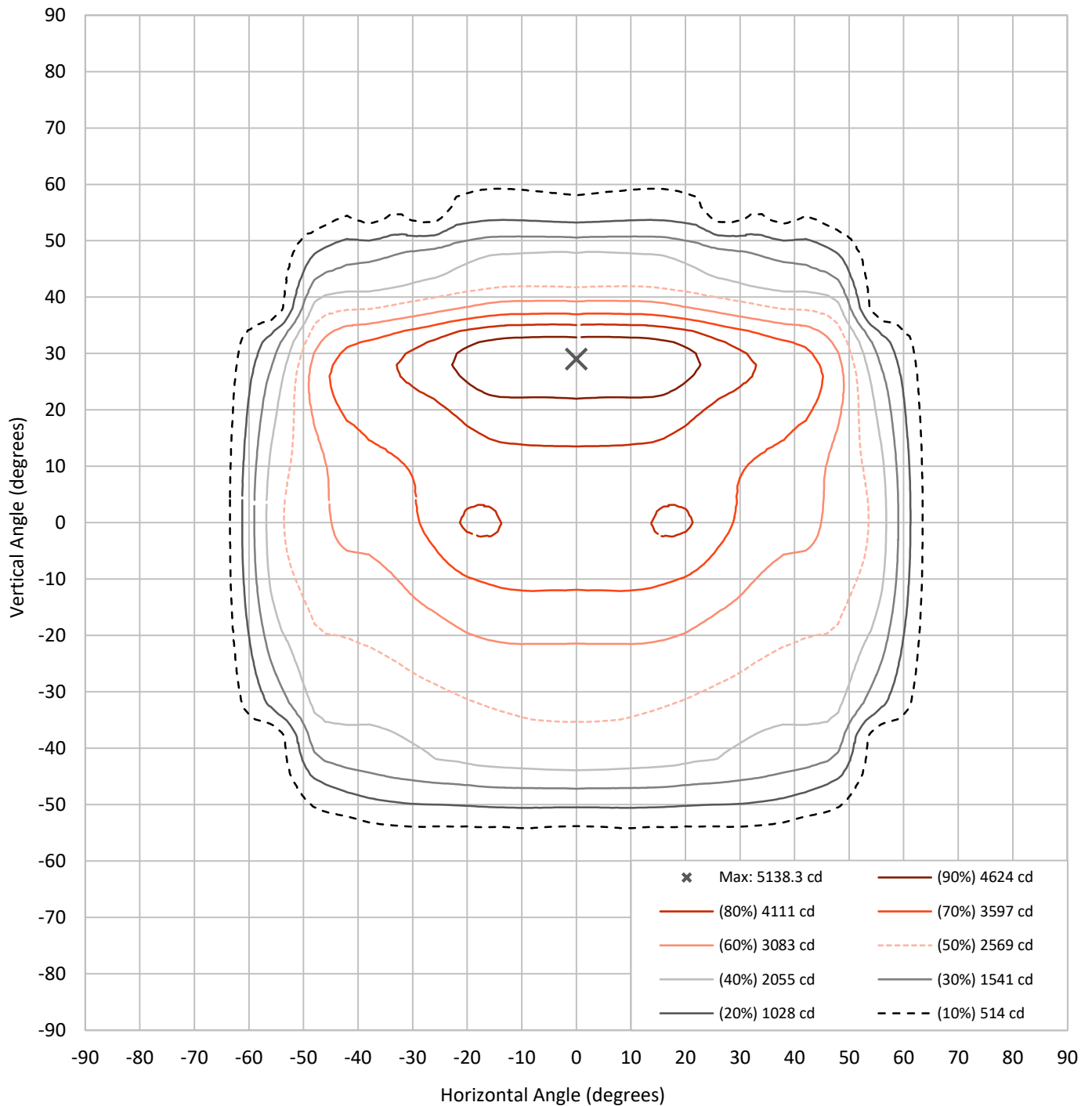
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	9312 lumens	Max Intensity:	5138.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	109.6 lumens/watt		
Luminous Opening:	(L: 1.33 ' x W: 0 ' x H: 0.67 ')		
Beam Angle (50%):	101.4°H x 77°V	Field Angle (10%):	124.2°H x 111.9°V
Beam Lumens:	6729.7 lumens	Field Lumens:	9011.4 lumens
Beam Efficiency:	72.3%	Field Efficiency:	96.8%
Input Watts (W):	85		
Input Voltage (V):	NR		
Input Current (A _{in}):	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: P393738

CATALOG NUMBER: NFFLD-C25-D-UNV-66-7030-VS

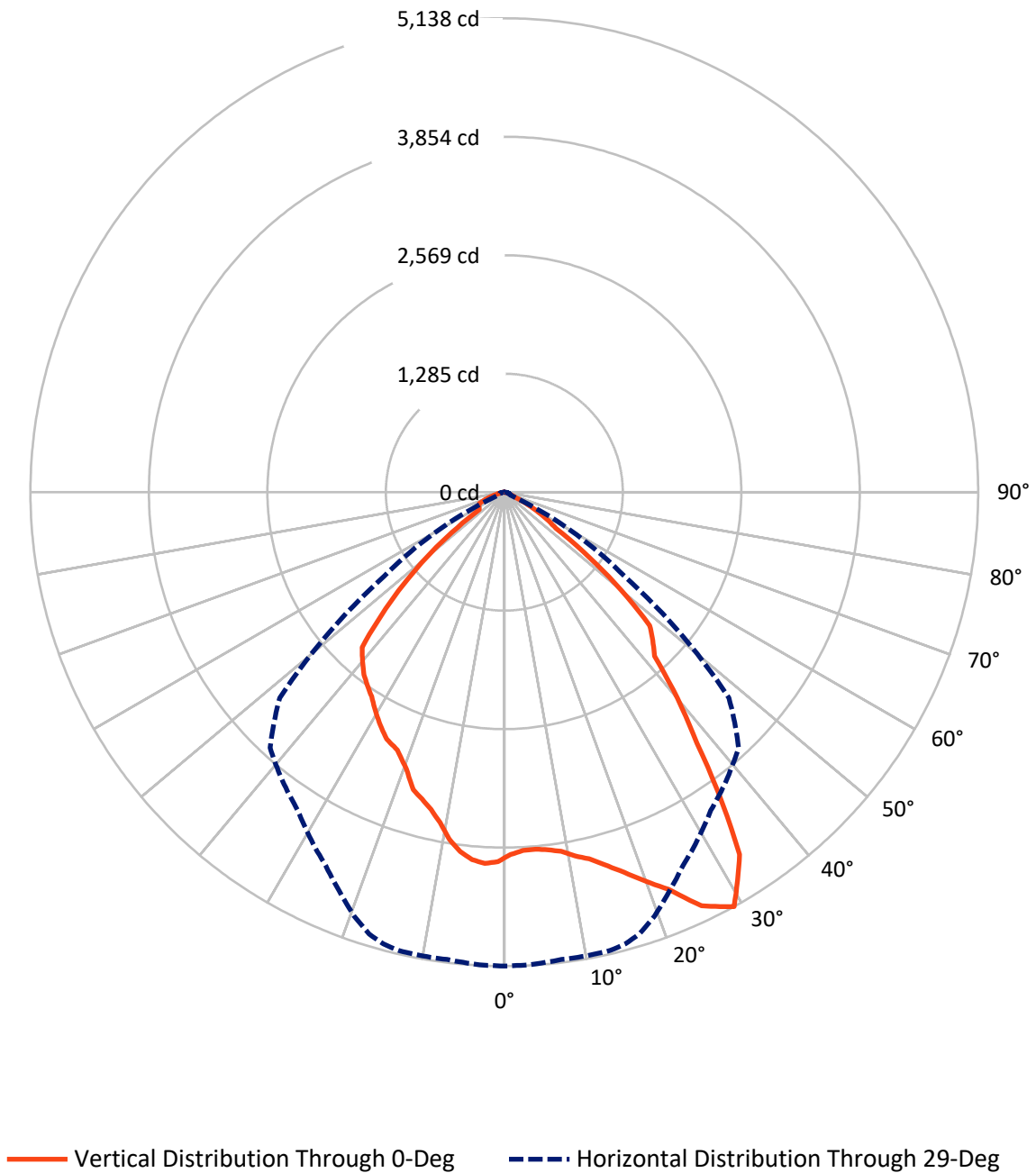
Iso-Candela Plot



REPORT NUMBER: P393738

CATALOG NUMBER: NFFLD-C25-D-UNV-66-7030-VS

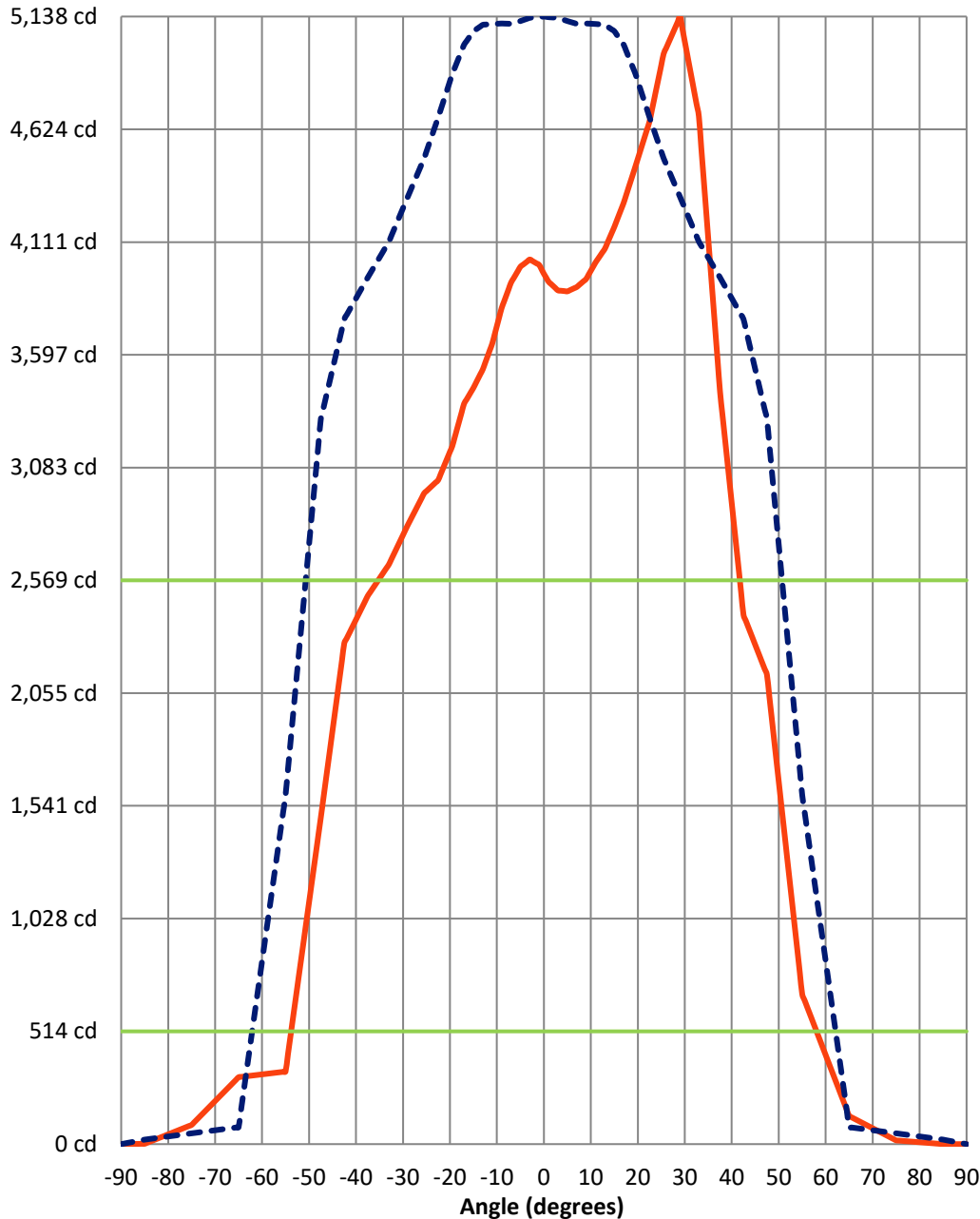
Luminous Intensity Polar Plot



REPORT NUMBER: P393738

CATALOG NUMBER: NFFLD-C25-D-UNV-66-7030-VS

Luminous Intensity Plot



Beam:
 H Angle: 101.4°
 V Angle: 77°
 Lumens: 6729.7
 Efficiency: 72.3%

Field:
 H Angle: 124.2°
 V Angle: 111.9°
 Lumens: 9011.4
 Efficiency: 96.8%

Spill:
 Lumens: 300.6
 Efficiency: 3.2%

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



REPORT NUMBER: P393738

CATALOG NUMBER: NFFLD-C25-D-UNV-66-7030-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	2.2	5.2	5.8	7.4	9.6	11.8	14.7	15.4	16.2	17.0
75°	17.0	17.0	16.2	14.7	13.1	14.7	15.4	15.4	14.7	11.8	10.3
65°	127.8	127.8	128.6	126.4	121.3	118.4	115.4	119.8	128.6	136.0	127.1
55°	683.6	701.1	700.5	733.5	746.8	770.9	792.3	799.0	800.4	778.3	729.1
47.5°	2138.1	2155.7	2149.8	2152.0	2137.3	2129.9	2115.9	2106.4	2100.6	2072.6	1972.0
42.5°	2412.2	2425.4	2435.7	2447.5	2453.4	2456.3	2455.6	2443.8	2411.4	2352.0	2295.3
37.5°	3429.5	3463.2	3464.7	3465.4	3450.0	3439.1	3445.6	3424.9	3392.7	3338.2	3242.7
33°	4683.3	4688.4	4706.1	4704.6	4706.1	4673.7	4681.1	4652.5	4601.7	4542.9	4452.6
29°	5138.3	5135.3	5132.4	5117.7	5105.2	5106.6	5104.4	5100.7	5071.4	5009.6	4876.6
25.5°	4968.5	4957.5	4953.0	4928.1	4915.5	4931.8	4938.4	4931.8	4906.1	4836.2	4706.1
22.5°	4660.5	4652.5	4645.1	4635.5	4633.4	4640.0	4640.7	4640.7	4627.4	4577.4	4469.5
19.5°	4456.1	4451.0	4448.2	4438.6	4438.6	4443.0	4437.8	4422.4	4400.4	4363.6	4276.2
17°	4290.1	4285.7	4281.3	4277.5	4271.8	4271.8	4273.9	4258.5	4237.1	4199.6	4118.8
15°	4179.8	4174.7	4176.9	4170.3	4171.8	4165.1	4161.5	4152.0	4131.4	4085.0	4010.0
13°	4080.6	4078.4	4082.2	4077.6	4079.2	4072.5	4064.5	4059.2	4043.1	3999.8	3932.1
11°	4017.4	4014.4	4012.9	4014.4	4013.8	4012.9	4004.2	3993.1	3971.9	3926.3	3866.7
9°	3942.4	3939.4	3941.0	3943.2	3942.4	3941.7	3935.9	3928.5	3911.6	3875.6	3828.5
7°	3905.7	3907.9	3905.7	3908.5	3908.5	3909.4	3915.3	3920.3	3928.5	3927.7	3886.6
5°	3885.8	3886.6	3886.6	3890.2	3893.9	3903.5	3925.5	3954.9	3993.9	4025.6	3989.5
3°	3890.2	3889.5	3893.9	3901.3	3913.1	3932.9	3972.6	4025.6	4096.1	4138.0	4104.9
1°	3929.9	3932.1	3946.2	3960.8	3978.4	3997.6	4031.4	4075.4	4152.6	4199.0	4237.9
0°	3966.0	3971.1	3977.0	3996.1	4008.6	4025.6	4046.8	4082.2	4152.0	4193.8	4253.3
-1°	4006.4	4002.0	4012.3	4021.2	4029.1	4041.7	4054.1	4079.8	4138.0	4171.1	4201.2
-3°	4031.4	4035.1	4036.5	4037.3	4046.8	4046.8	4047.5	4065.9	4096.8	4106.3	4046.1
-5°	3998.2	3999.8	3996.9	3997.6	4004.2	4002.7	3990.9	3999.8	3996.9	3967.4	3904.2
-7°	3925.5	3927.7	3923.3	3921.1	3925.5	3905.0	3884.4	3877.0	3849.1	3818.3	3769.7
-9°	3809.4	3818.9	3805.7	3804.2	3794.7	3777.1	3752.1	3741.0	3713.8	3687.4	3647.0
-11°	3647.8	3660.9	3652.8	3657.3	3655.8	3655.8	3641.8	3633.1	3605.1	3570.6	3527.9
-13°	3530.8	3539.0	3536.0	3537.5	3543.4	3552.9	3542.5	3535.3	3506.6	3470.6	3429.5
-15°	3446.3	3455.8	3455.1	3454.4	3460.2	3467.6	3459.6	3450.8	3422.1	3385.3	3338.2
-17°	3373.5	3378.7	3380.9	3378.7	3378.0	3378.0	3369.1	3359.6	3331.6	3291.9	3239.1
-19.5°	3180.9	3188.3	3189.9	3188.3	3186.9	3187.6	3190.5	3178.7	3160.4	3135.5	3097.2
-22.5°	3026.0	3027.4	3028.8	3030.4	3030.4	3031.8	3031.1	3022.2	3007.5	2989.9	2948.0
-25.5°	2965.7	2966.4	2967.1	2967.8	2964.2	2963.4	2954.6	2942.1	2923.0	2905.4	2863.5
-29°	2820.1	2823.8	2824.5	2821.6	2820.9	2813.5	2800.3	2781.2	2762.1	2745.2	2704.0
-33°	2641.5	2645.2	2644.4	2637.8	2637.1	2625.3	2609.2	2587.9	2565.0	2535.0	2488.0
-37.5°	2498.3	2498.9	2498.3	2493.1	2489.3	2479.8	2463.6	2441.7	2413.0	2379.9	2335.0
-42.5°	2282.2	2282.2	2271.0	2260.8	2251.3	2229.9	2219.6	2204.3	2190.3	2179.2	2127.7
-47.5°	1487.5	1484.0	1470.0	1478.0	1474.4	1468.4	1472.8	1467.1	1453.7	1438.3	1407.4
-55°	330.7	331.5	339.5	358.7	374.9	383.7	380.8	360.9	361.6	378.5	354.3
-65°	305.0	305.8	307.2	309.4	309.4	310.2	317.5	326.3	331.5	341.1	349.1
-75°	87.5	88.9	89.7	88.1	86.8	88.9	91.9	89.7	90.3	90.3	82.3
-85°	1.5	3.6	7.4	10.3	12.5	15.4	17.5	19.9	20.5	20.5	20.5
-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: P393738

CATALOG NUMBER: NFFLD-C25-D-UNV-66-7030-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°	17.0	17.0	17.0	17.0	17.0	17.0	16.2	16.2	16.2	16.2	16.2
75°	10.3	11.8	14.0	19.9	20.5	19.9	14.7	15.4	16.2	15.4	16.2
65°	99.9	63.2	40.5	31.7	26.5	31.7	29.3	24.9	21.4	15.4	15.4
55°	662.2	160.9	155.1	511.5	154.3	452.8	121.3	72.0	33.8	15.4	16.2
47.5°	1883.8	1782.4	1688.9	1575.1	1460.4	1386.1	1118.0	125.8	42.6	18.4	17.0
42.5°	2216.0	2104.2	2046.9	1938.9	1811.7	1815.4	1704.5	139.6	45.6	24.9	17.5
37.5°	3141.2	3026.6	2895.9	2770.2	2631.9	2601.8	2416.6	156.6	49.2	33.1	18.4
33°	4319.5	4109.3	3926.3	3763.2	3562.5	3418.4	2966.4	1267.9	62.4	41.1	19.1
29°	4678.9	4492.2	4315.8	4112.3	3949.0	3759.4	3303.1	1591.3	77.2	49.2	20.5
25.5°	4537.7	4388.6	4238.6	4071.8	3957.2	3829.2	3428.7	1812.5	91.2	56.6	22.1
22.5°	4310.7	4164.5	4043.1	3928.5	3857.2	3760.2	3355.9	1952.9	102.8	63.2	22.7
19.5°	4120.3	3988.0	3884.4	3801.3	3769.0	3652.8	3233.2	2063.1	116.2	69.1	24.3
17°	3979.9	3862.3	3776.4	3729.3	3697.6	3532.3	3143.6	2149.1	127.8	73.5	24.9
15°	3887.4	3783.7	3717.6	3683.0	3633.8	3433.1	3081.0	2213.8	138.1	76.4	24.9
13°	3829.2	3748.4	3699.2	3641.0	3552.1	3337.6	3029.6	2274.8	147.0	78.6	25.8
11°	3788.7	3730.1	3683.0	3583.0	3458.2	3273.6	2997.3	2328.5	153.5	80.1	25.8
9°	3766.0	3707.2	3641.0	3512.5	3386.0	3230.3	2986.3	2379.1	158.7	81.6	26.5
7°	3799.1	3718.3	3619.8	3473.6	3337.6	3217.8	2986.9	2418.2	161.7	82.3	26.5
5°	3857.9	3746.2	3620.5	3436.1	3300.7	3209.6	2988.5	2447.5	161.7	83.1	26.5
3°	3930.6	3775.6	3621.3	3398.6	3269.2	3200.1	2989.9	2465.9	162.4	83.1	26.5
1°	4014.4	3774.8	3606.5	3364.7	3239.9	3185.5	2984.0	2472.4	159.5	81.6	26.5
0°	4023.3	3759.4	3588.2	3347.1	3223.6	3175.8	2978.9	2473.3	158.7	80.9	26.5
-1°	4004.2	3733.7	3566.8	3329.5	3206.0	3164.8	2974.5	2472.4	158.7	80.1	26.5
-3°	3857.2	3668.3	3514.0	3291.3	3162.6	3134.7	2964.2	2461.5	158.7	77.9	26.5
-5°	3749.9	3597.0	3451.4	3239.1	3106.0	3083.2	2943.7	2440.1	159.5	76.4	25.8
-7°	3650.6	3515.4	3375.1	3173.7	3043.6	3017.8	2909.0	2408.6	158.7	75.7	25.8
-9°	3550.7	3431.7	3290.5	3106.0	2978.9	2937.7	2863.5	2363.7	156.6	74.2	25.8
-11°	3450.0	3339.8	3203.8	3035.5	2917.9	2863.5	2808.3	2307.1	153.5	73.5	24.9
-13°	3356.7	3247.1	3118.5	2970.8	2858.3	2795.1	2751.1	2240.2	149.9	72.0	24.3
-15°	3255.3	3145.0	3033.2	2906.8	2803.9	2726.8	2693.6	2164.6	144.1	71.3	23.5
-17°	3146.4	3035.5	2935.5	2834.8	2742.3	2664.3	2634.9	2079.3	138.1	70.6	23.5
-19.5°	3006.1	2907.6	2824.5	2747.3	2659.1	2587.9	2562.9	1957.3	128.6	68.3	22.7
-22.5°	2855.4	2756.9	2690.7	2631.9	2556.3	2505.5	2503.3	1808.1	115.4	66.2	21.4
-25.5°	2779.0	2696.7	2629.0	2547.4	2469.5	2445.3	2441.7	1648.6	103.7	62.4	20.5
-29°	2631.3	2564.3	2502.7	2410.8	2341.0	2344.6	2348.2	1435.4	94.8	58.0	19.1
-33°	2423.9	2368.9	2305.7	2219.0	2171.9	2182.2	2171.9	1159.8	91.2	50.7	18.4
-37.5°	2276.2	2214.4	2138.9	2049.2	1982.2	1983.8	1927.1	160.3	87.5	41.9	17.5
-42.5°	2061.7	2043.2	1944.1	1867.6	1754.4	1662.4	1479.6	156.6	84.5	31.7	17.0
-47.5°	1381.1	1359.0	1336.3	1287.7	1198.7	1047.4	801.1	136.7	80.1	21.4	17.0
-55°	365.3	357.2	382.2	356.4	309.4	151.5	144.8	82.3	67.0	16.2	16.2
-65°	360.9	347.6	247.6	130.2	94.8	104.4	133.7	84.5	31.7	16.2	16.2
-75°	60.3	36.7	22.1	24.3	30.1	44.8	43.4	22.1	17.5	16.2	16.2
-85°	20.5	19.9	19.9	19.1	18.4	18.4	17.5	17.0	17.0	16.2	16.2
-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: P393738

CATALOG NUMBER: NFFLD-C25-D-UNV-66-7030-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)