

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: P393743

Luminaire Tested: **NFFLD-C25-D-UNV-66-7060-VG**

Issue Date: 3/31/2020

Test Information

Test Method: LM-79-08
Report Number: P393743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P130630)
Test Lab: INNOVATIONS CENTER
Issue Date: 3/31/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C25-D-UNV-66-7060-VG
Description: FLOODLIGHT WITH WIRE GUARD
Light Source: (2) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

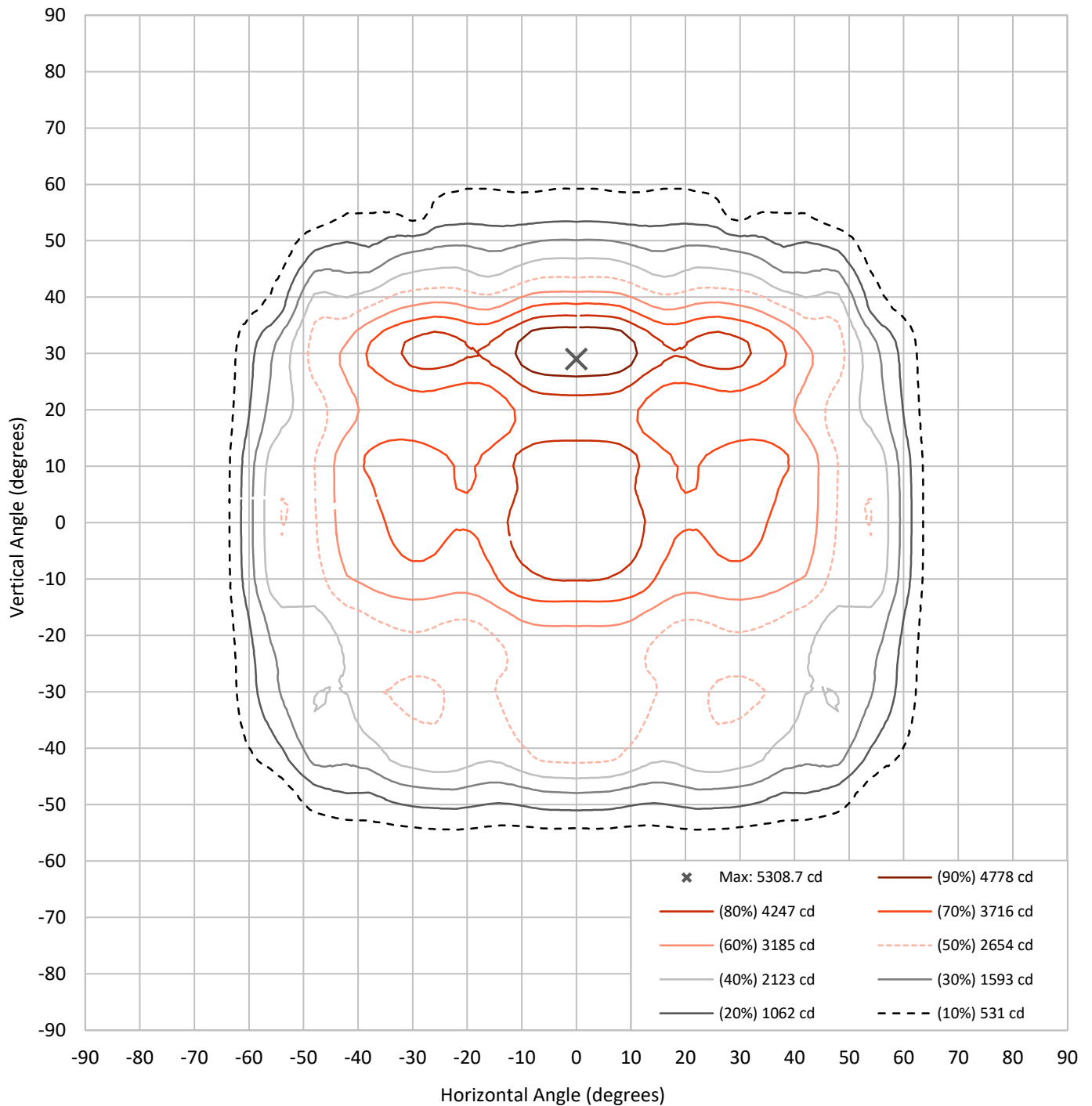
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	9459 lumens	Max Intensity:	5308.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	111.3 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:	6264.8 lumens	Field Lumens:	9056.3 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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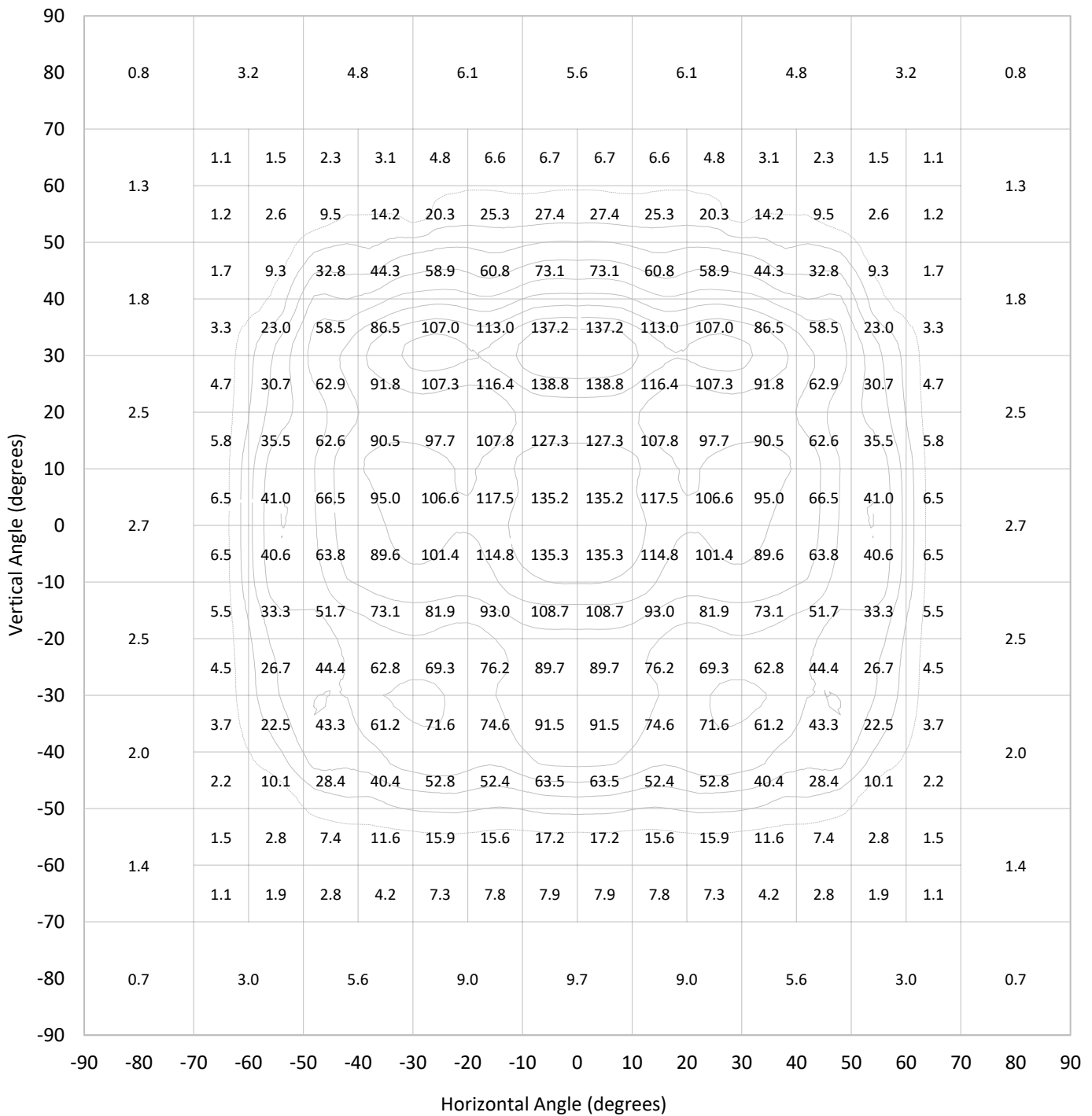
Iso-Candela Plot





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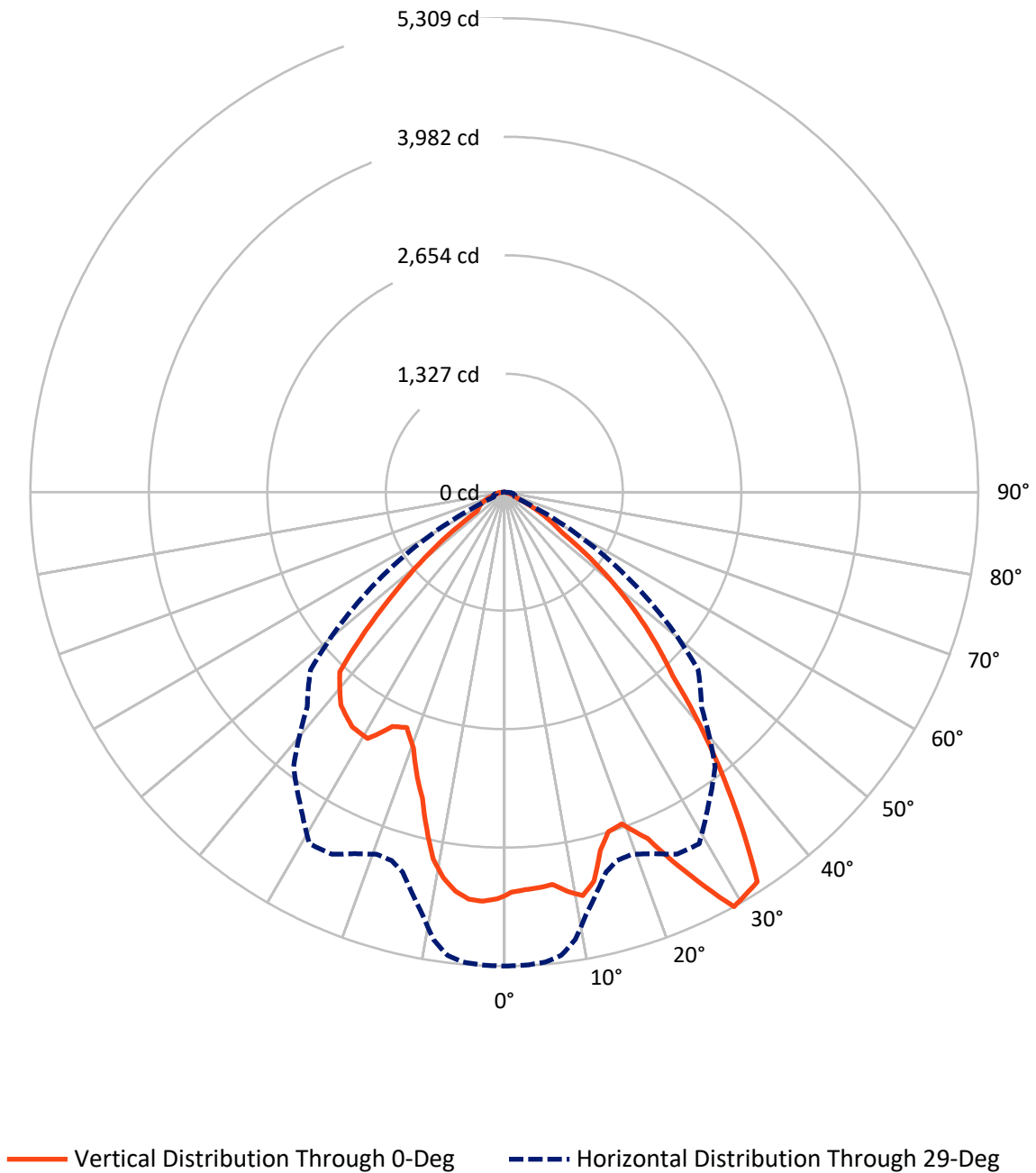
Lumen Table



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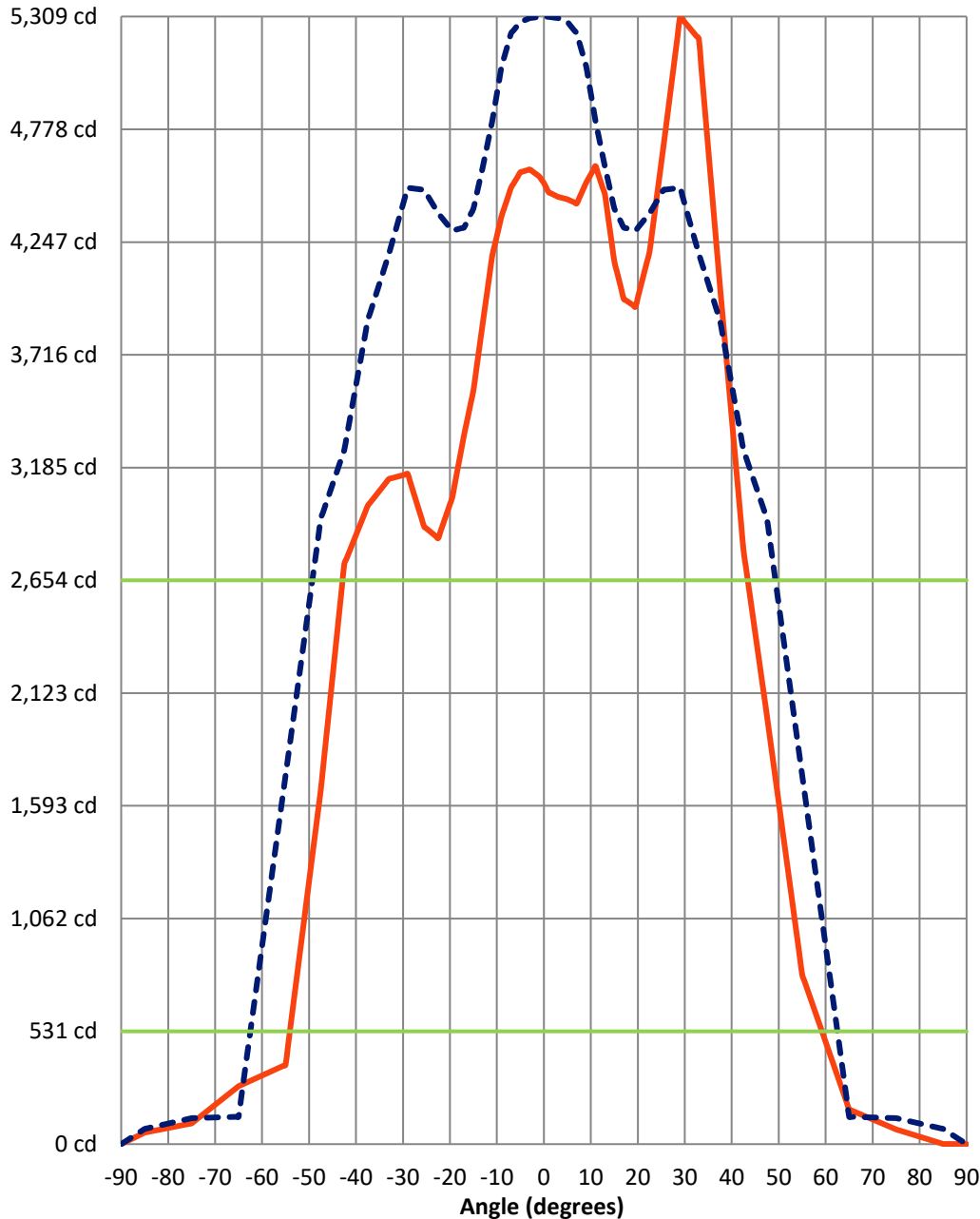
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 98.6°
 V Angle: 86.3°
 Lumens: 6264.8
 Efficiency: 66.2%

Field:
 H Angle: 125°
 V Angle: 113.3°
 Lumens: 9056.3
 Efficiency: 95.7%

Spill:
 Lumens: 402.7
 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°	0.8	3.7	18.7	23.0	24.6	27.6	33.5	37.9	43.2	47.6	50.7
75°	69.2	69.2	69.2	69.2	67.1	65.6	67.1	63.3	64.1	63.3	60.4
65°	163.1	163.1	158.8	149.7	141.6	143.0	148.3	156.4	172.9	162.5	160.1
55°	798.0	806.1	809.1	793.5	757.0	748.1	741.3	751.8	793.5	794.9	811.4
47.5°	2015.5	2038.5	2036.3	2019.2	2002.1	1889.5	1816.4	1699.5	1648.2	1690.6	1799.4
42.5°	2797.0	2806.6	2809.8	2810.4	2796.2	2687.5	2569.8	2385.0	2258.3	2222.6	2355.2
37.5°	4037.5	4063.6	4066.6	4012.2	3993.5	3868.4	3639.6	3453.4	3270.1	3223.2	3304.5
33°	5202.9	5202.9	5200.6	5178.3	5138.8	4962.9	4685.0	4479.4	4248.5	4127.7	4166.4
29°	5308.7	5307.1	5301.2	5283.4	5228.9	5074.7	4816.2	4601.6	4404.9	4315.5	4300.6
25.5°	4703.7	4697.0	4683.6	4662.7	4624.6	4501.8	4284.9	4092.7	3901.9	3805.9	3791.7
22.5°	4201.5	4197.7	4199.9	4171.7	4153.8	4074.0	3909.4	3737.3	3571.2	3456.4	3410.3
19.5°	3942.2	3945.1	3948.1	3941.5	3925.1	3864.7	3715.0	3546.6	3396.7	3275.3	3221.7
17°	3979.4	3982.4	3981.0	3977.2	3960.1	3892.2	3746.2	3583.0	3434.1	3295.4	3228.4
15°	4156.0	4162.0	4157.6	4146.3	4125.5	4047.3	3896.7	3720.9	3579.3	3414.7	3346.1
13°	4470.4	4474.9	4470.4	4453.3	4421.9	4346.0	4197.0	3998.1	3846.0	3646.4	3557.7
11°	4604.5	4605.3	4603.7	4586.6	4556.9	4487.5	4325.9	4126.3	3970.5	3770.8	3663.5
9°	4526.4	4532.9	4528.6	4514.4	4494.3	4433.9	4281.9	4099.4	3956.4	3770.8	3680.6
7°	4428.7	4433.2	4431.6	4425.0	4408.6	4359.4	4225.2	4050.2	3931.0	3750.0	3671.0
5°	4448.1	4454.0	4453.3	4450.3	4433.2	4383.3	4258.1	4088.9	3990.6	3808.8	3720.1
3°	4460.0	4465.3	4471.2	4467.4	4460.0	4428.7	4317.0	4162.7	4064.4	3871.3	3761.2
1°	4481.7	4489.1	4498.7	4496.6	4499.5	4471.9	4363.9	4194.0	4078.5	3872.9	3794.7
0°	4524.8	4529.3	4539.7	4533.7	4527.8	4498.7	4379.5	4205.2	4074.0	3862.5	3799.2
-1°	4556.1	4559.1	4559.1	4550.2	4535.2	4501.0	4374.4	4194.8	4051.8	3826.7	3723.9
-3°	4588.9	4592.7	4578.5	4550.2	4529.3	4486.1	4353.5	4162.0	4004.8	3764.2	3633.0
-5°	4575.6	4578.5	4572.5	4526.4	4492.8	4446.5	4309.5	4114.3	3946.7	3705.2	3570.4
-7°	4502.4	4508.3	4486.9	4455.6	4398.2	4343.7	4198.5	3999.6	3825.9	3603.9	3483.9
-9°	4369.9	4385.5	4356.5	4332.6	4260.3	4197.7	4056.3	3874.4	3714.2	3513.8	3401.2
-11°	4182.2	4197.7	4186.6	4185.7	4132.2	4080.9	3957.1	3786.4	3632.2	3437.8	3323.0
-13°	3867.7	3889.3	3884.2	3909.4	3861.7	3830.4	3711.9	3569.7	3433.3	3241.7	3151.7
-15°	3548.8	3530.2	3530.2	3542.1	3510.0	3477.2	3367.0	3245.5	3113.6	2949.0	2865.6
-17°	3337.9	3326.0	3327.5	3333.5	3305.8	3274.6	3173.3	3049.5	2905.0	2750.1	2657.7
-19.5°	3045.0	3042.1	3043.6	3059.2	3044.4	3024.2	2932.7	2814.9	2684.5	2548.1	2464.7
-22.5°	2852.8	2855.8	2865.6	2863.3	2856.6	2839.5	2752.3	2649.4	2519.8	2402.8	2318.6
-25.5°	2907.3	2904.3	2909.5	2896.8	2886.4	2837.9	2726.2	2627.9	2486.4	2398.4	2336.5
-29°	3155.4	3152.4	3155.4	3146.5	3138.3	3072.0	2934.9	2823.9	2652.5	2571.2	2508.6
-33°	3131.6	3130.8	3131.6	3124.9	3105.4	3016.9	2861.1	2712.8	2540.7	2449.0	2438.6
-37.5°	3005.6	3003.3	3004.9	2995.2	2963.9	2855.2	2700.1	2528.8	2392.4	2341.0	2388.0
-42.5°	2729.9	2721.0	2717.3	2696.5	2652.5	2509.4	2365.6	2201.7	2130.1	2136.9	2249.4
-47.5°	1668.2	1651.8	1635.4	1622.1	1584.7	1478.2	1430.5	1356.7	1359.8	1399.2	1467.8
-55°	373.3	377.0	388.9	391.2	382.2	370.4	352.4	346.4	358.4	397.9	409.0
-65°	272.7	275.6	280.9	270.4	251.8	248.8	258.5	277.2	283.1	279.4	286.0
-75°	97.6	99.1	101.3	98.4	92.5	97.6	100.6	96.1	94.6	93.1	94.6
-85°	54.3	55.1	55.1	53.0	55.9	54.3	52.1	53.7	55.1	59.6	58.1
-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-66-7060-VG

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°	53.0	51.4	45.4	42.5	45.4	51.4	52.1	49.2	41.0	30.5	23.0
75°	58.8	61.8	64.7	67.1	69.2	64.7	65.6	70.8	69.2	55.9	31.3
65°	151.3	113.9	88.7	81.2	76.7	76.7	75.3	85.0	82.7	68.5	39.5
55°	747.3	732.4	162.5	492.5	501.4	482.7	140.0	117.0	97.6	76.0	48.4
47.5°	1841.8	1800.1	1729.3	1569.9	1171.2	1332.1	1232.4	154.2	100.6	84.2	55.1
42.5°	2498.9	2481.1	2427.4	2311.1	1846.3	1742.8	1984.8	481.4	99.9	93.1	59.6
37.5°	3466.2	3535.4	3432.5	3249.2	2854.4	2430.5	2645.0	736.1	105.1	103.5	64.1
33°	4363.9	4448.1	4361.6	4131.4	3714.2	3070.4	2914.0	1529.6	117.7	113.9	67.9
29°	4382.4	4492.8	4502.4	4191.0	3878.1	3267.9	2943.7	1736.0	128.8	122.2	71.6
25.5°	3875.9	3984.6	3992.8	3826.7	3561.4	3157.6	2754.5	1765.8	138.5	128.8	73.7
22.5°	3462.4	3572.6	3625.5	3527.9	3381.8	3055.6	2525.8	1838.1	149.1	134.1	76.0
19.5°	3255.9	3361.0	3451.2	3408.0	3318.6	3014.5	2415.5	1934.2	160.1	137.9	78.3
17°	3242.6	3351.3	3468.3	3489.2	3399.0	3077.9	2434.2	2043.0	169.2	140.0	79.7
15°	3352.9	3477.2	3616.6	3670.2	3556.2	3210.5	2500.5	2192.8	172.1	142.4	80.5
13°	3573.3	3742.5	3910.9	3966.0	3767.1	3410.3	2613.1	2394.7	174.3	145.3	81.2
11°	3692.6	3887.1	4075.5	4080.9	3831.2	3512.2	2663.6	2528.0	175.0	149.1	82.0
9°	3712.7	3895.2	4056.9	4021.9	3774.6	3513.8	2653.2	2592.8	175.9	152.0	82.7
7°	3695.5	3869.2	3990.6	3942.9	3697.1	3503.3	2634.5	2624.1	175.9	154.2	82.7
5°	3746.9	3920.6	4016.0	3931.0	3673.9	3509.3	2636.8	2653.9	174.3	155.7	83.4
3°	3776.8	3944.4	4018.1	3892.2	3638.9	3496.7	2628.6	2666.6	172.9	155.0	83.4
1°	3785.8	3928.8	3986.9	3843.1	3597.2	3474.3	2609.9	2668.1	170.5	152.0	83.4
0°	3766.4	3909.4	3963.8	3823.0	3579.3	3462.4	2602.6	2668.1	175.0	150.5	83.4
-1°	3720.1	3879.7	3940.7	3806.6	3564.5	3451.2	2596.6	2668.1	172.1	148.3	83.4
-3°	3636.0	3809.6	3887.1	3771.5	3527.9	3417.6	2585.3	2662.2	172.1	145.3	83.4
-5°	3572.6	3739.5	3821.4	3718.0	3480.3	3361.0	2559.3	2645.7	171.4	143.8	82.7
-7°	3488.4	3638.9	3733.5	3649.3	3424.3	3287.2	2519.8	2613.7	169.2	143.8	82.7
-9°	3399.9	3533.8	3633.7	3561.4	3352.9	3193.4	2476.6	2569.0	167.6	143.8	82.0
-11°	3317.8	3434.9	3527.2	3460.1	3267.9	3082.4	2410.3	2482.6	165.4	142.4	81.2
-13°	3148.7	3230.7	3311.1	3253.0	3064.5	2870.8	2279.2	2316.4	163.1	140.8	80.5
-15°	2861.1	2928.2	2992.1	2950.5	2797.0	2582.4	2093.0	2110.0	160.9	138.5	78.9
-17°	2654.7	2735.1	2799.3	2756.8	2633.1	2391.0	1959.6	1957.2	159.5	136.3	78.3
-19.5°	2484.0	2586.2	2661.4	2616.0	2516.1	2239.7	1855.9	1824.7	157.2	134.9	76.7
-22.5°	2335.1	2439.4	2511.6	2484.8	2431.2	2142.9	1846.3	1698.8	152.0	133.4	74.5
-25.5°	2379.0	2478.1	2539.9	2520.6	2445.3	2101.9	1937.9	1619.7	147.5	132.0	73.0
-29°	2574.9	2710.6	2808.9	2683.7	2656.1	2124.2	2147.3	1590.8	143.8	128.8	70.0
-33°	2582.4	2715.7	2738.2	2647.3	2581.0	1953.5	2188.3	1420.9	140.8	123.0	67.1
-37.5°	2536.2	2616.6	2581.0	2468.4	2204.7	1821.7	2131.7	1110.1	135.5	113.3	63.3
-42.5°	2387.2	2452.0	2338.1	2218.1	1767.4	1630.9	1759.1	707.8	132.6	101.3	58.8
-47.5°	1567.8	1525.9	1494.6	1376.9	1092.3	1120.6	945.6	165.4	127.5	87.1	55.1
-55°	414.2	409.8	399.3	345.8	303.3	268.9	176.6	131.1	121.4	75.3	49.2
-65°	289.2	277.2	245.9	157.2	138.5	116.2	130.4	110.3	82.7	64.7	41.0
-75°	97.6	92.5	79.7	77.5	73.0	77.5	82.0	67.9	58.1	50.7	32.8
-85°	60.4	57.4	46.2	41.0	44.7	49.9	49.9	45.4	35.0	28.3	23.8
-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)