

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: P393744

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

Issue Date: 3/31/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P393744  
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-66-7060-VS  
Description: FLOODLIGHT WITH VANDAL SHIELD  
Light Source: (2) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

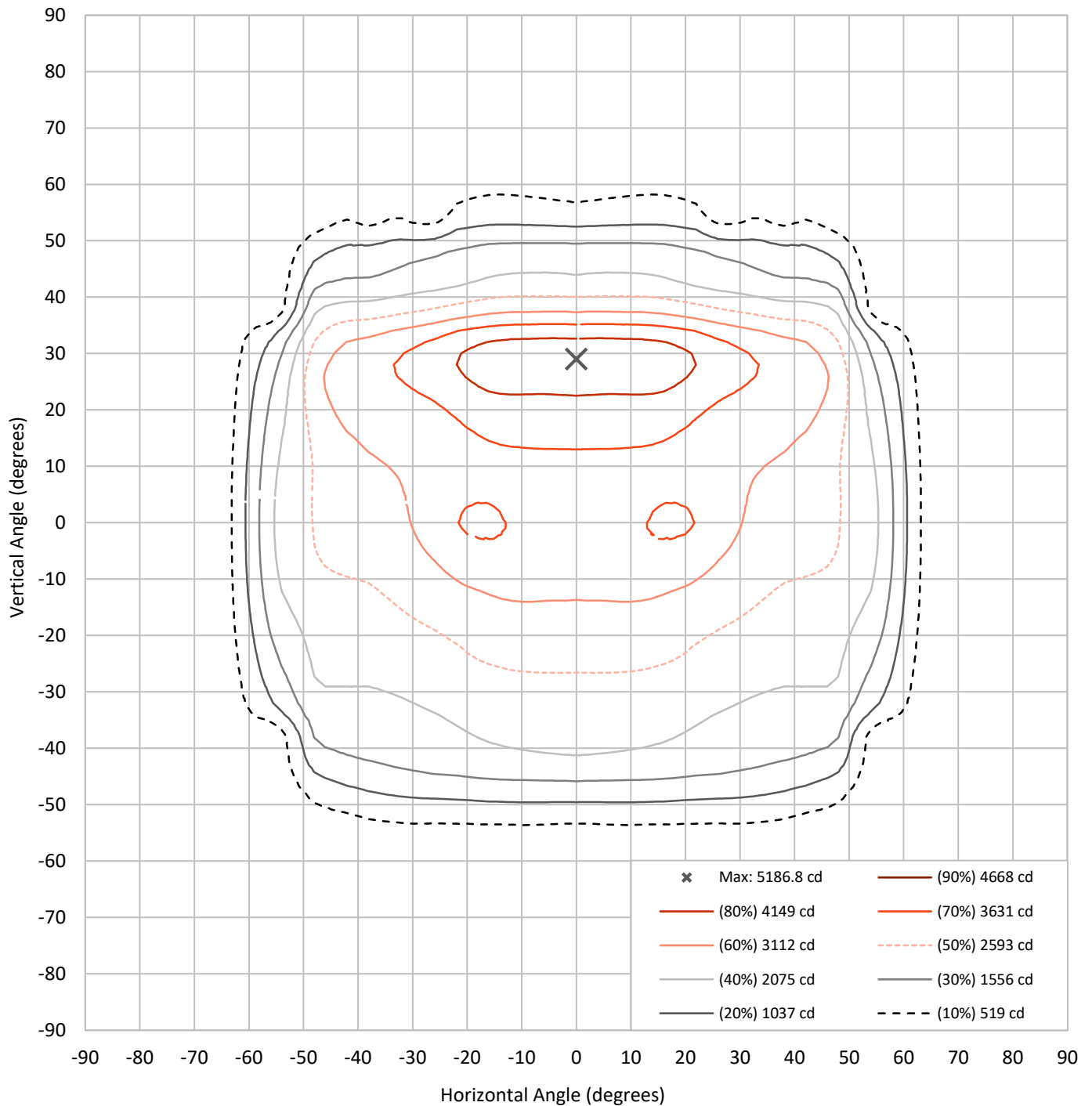
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	9400 lumens	Max Intensity:	5186.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	110.6 lumens/watt		
Luminous Opening:	(L: 1.33 ' x W: 0 ' x H: 0.67 ')		
Beam Angle (50%):	101.4°H x 77°V	Field Angle (10%):	124.2°H x 111.9°V
Beam Lumens:	6793.3 lumens	Field Lumens:	9096.5 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		



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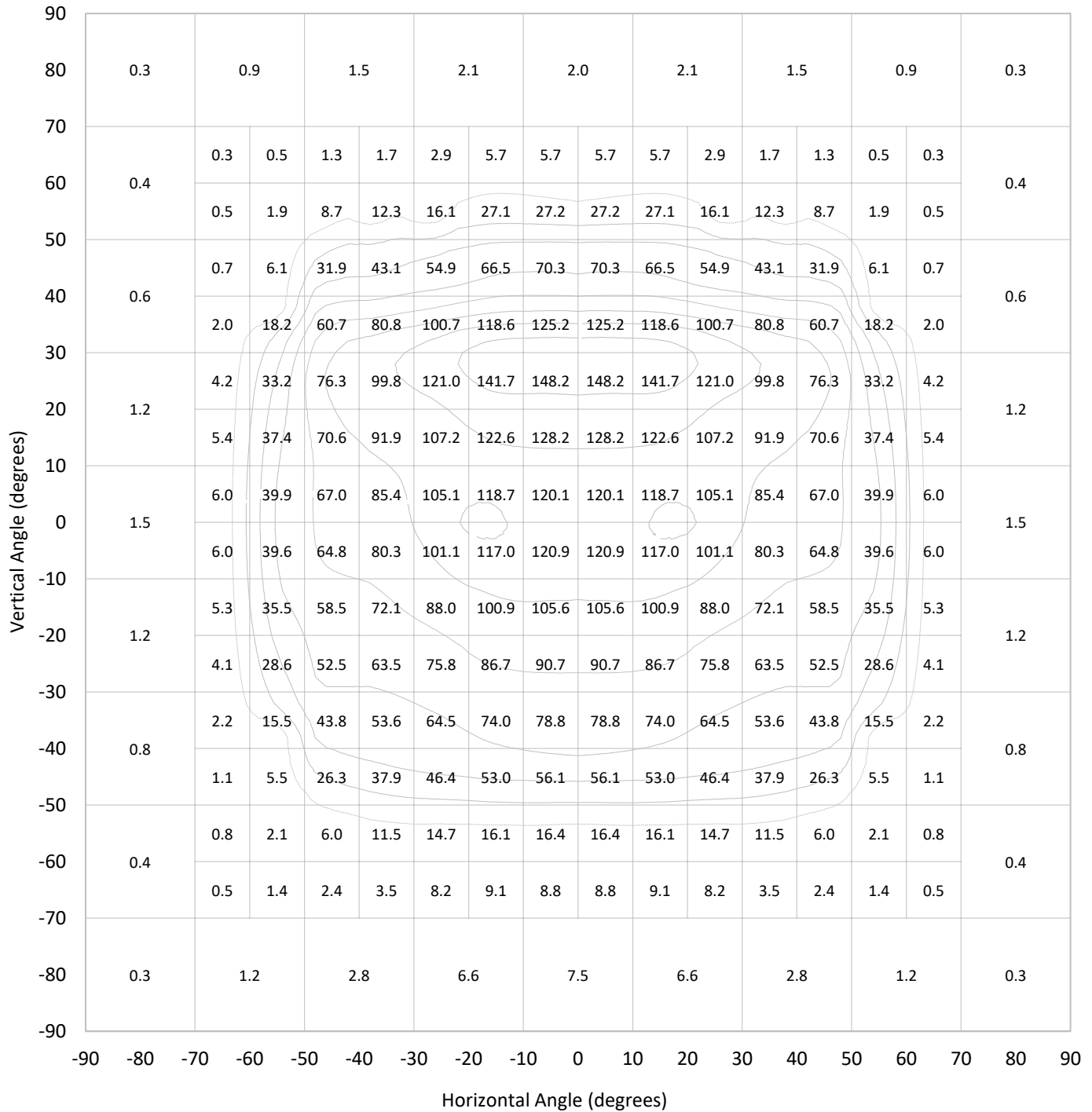
### Iso-Candela Plot





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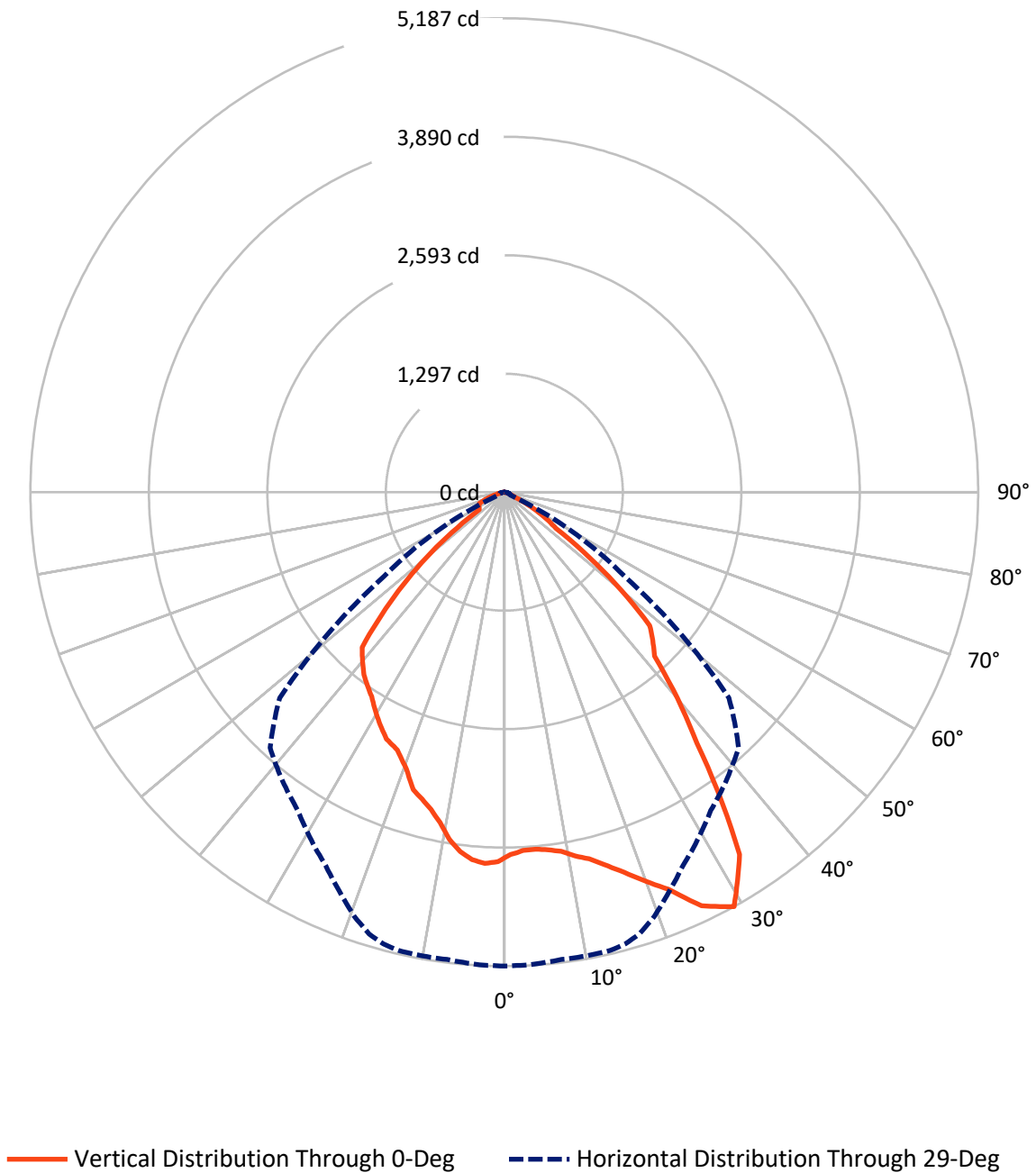
### Lumen Table



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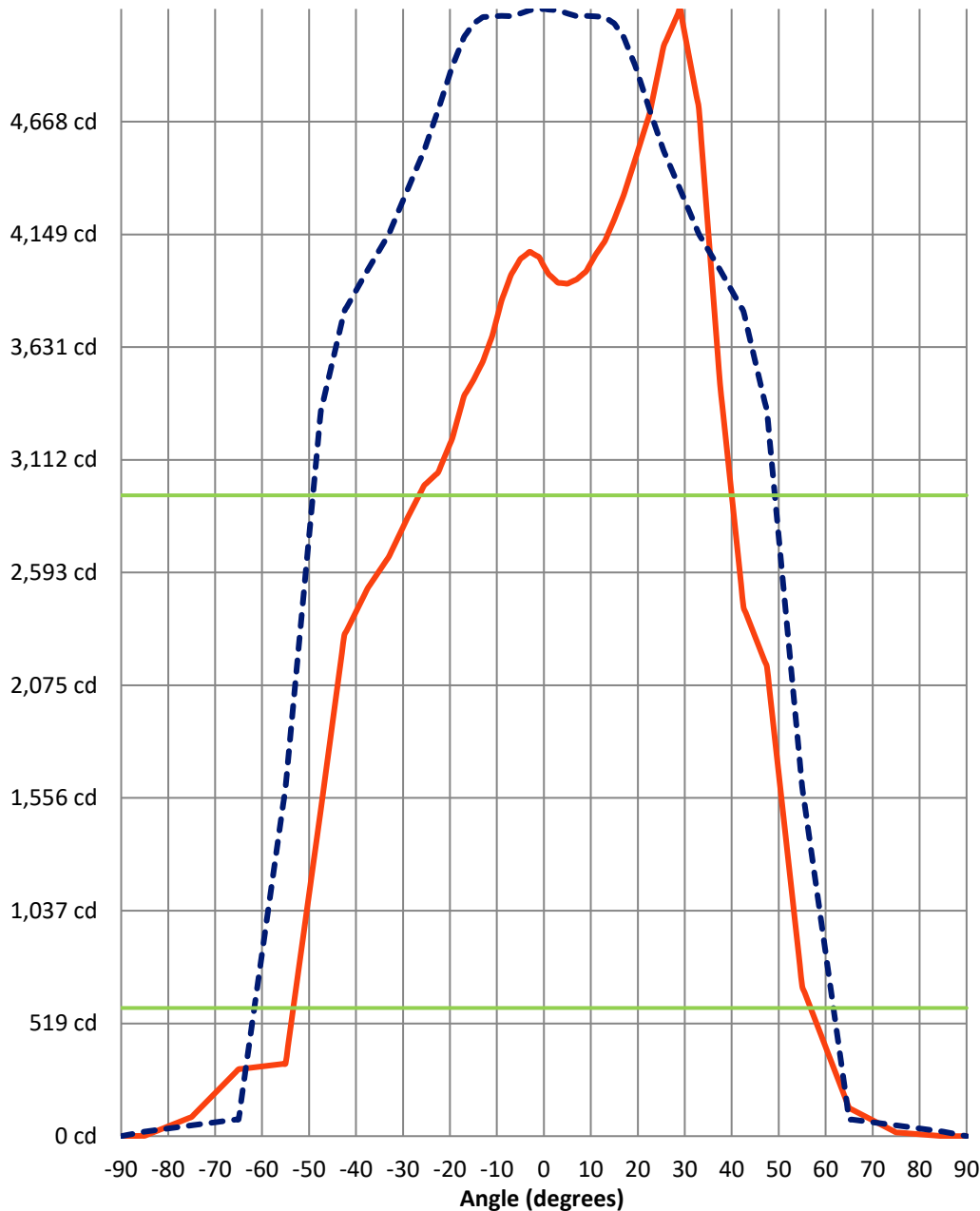
### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 101.4°  
 V Angle: 77°  
 Lumens: 6793.3  
 Efficiency: 72.3%

**Field:**  
 H Angle: 124.2°  
 V Angle: 111.9°  
 Lumens: 9096.5  
 Efficiency: 96.8%

**Spill:**  
 Lumens: 303.5  
 Efficiency: 3.2%

— 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	2.2	5.2	5.9	7.5	9.7	11.9	14.8	15.6	16.4	17.1
75°	17.1	17.1	16.4	14.8	13.3	14.8	15.6	15.6	14.8	11.9	10.4
65°	129.1	129.1	129.8	127.6	122.5	119.5	116.5	120.9	129.8	137.3	128.3
55°	690.0	707.7	707.1	740.5	753.8	778.2	799.8	806.5	808.0	785.7	736.0
47.5°	2158.3	2176.1	2170.1	2172.3	2157.5	2150.1	2135.9	2126.3	2120.4	2092.2	1990.6
42.5°	2435.0	2448.4	2458.7	2470.6	2476.5	2479.5	2478.8	2466.9	2434.2	2374.2	2317.0
37.5°	3461.9	3496.0	3497.4	3498.2	3482.6	3471.6	3478.1	3457.3	3424.8	3369.8	3273.4
33°	4727.6	4732.7	4750.5	4749.1	4750.5	4717.9	4725.4	4696.4	4645.2	4585.9	4494.7
29°	5186.8	5183.8	5180.9	5166.1	5153.4	5154.9	5152.6	5148.9	5119.3	5057.0	4922.7
25.5°	5015.4	5004.3	4999.9	4974.7	4962.0	4978.4	4985.0	4978.4	4952.4	4881.9	4750.5
22.5°	4704.5	4696.4	4689.0	4679.3	4677.2	4683.8	4684.5	4684.5	4671.1	4620.7	4511.7
19.5°	4498.2	4493.1	4490.2	4480.5	4480.5	4485.0	4479.7	4464.1	4442.0	4404.8	4316.6
17°	4330.6	4326.2	4321.7	4317.9	4312.2	4312.2	4314.3	4298.8	4277.2	4239.3	4157.7
15°	4219.3	4214.2	4216.4	4209.7	4211.3	4204.5	4200.8	4191.2	4170.4	4123.6	4047.9
13°	4119.2	4117.0	4120.7	4116.2	4117.7	4110.9	4102.9	4097.6	4081.3	4037.6	3969.3
11°	4055.4	4052.4	4050.8	4052.4	4051.7	4050.8	4042.0	4030.9	4009.4	3963.4	3903.3
9°	3979.7	3976.7	3978.2	3980.4	3979.7	3979.0	3973.1	3965.6	3948.6	3912.2	3864.6
7°	3942.6	3944.8	3942.6	3945.5	3945.5	3946.4	3952.3	3957.4	3965.6	3964.8	3923.3
5°	3922.5	3923.3	3923.3	3927.0	3930.7	3940.4	3962.6	3992.2	4031.7	4063.6	4027.2
3°	3927.0	3926.2	3930.7	3938.1	3950.0	3970.1	4010.2	4063.6	4134.8	4177.1	4143.7
1°	3967.1	3969.3	3983.4	3998.3	4016.0	4035.3	4069.5	4113.9	4191.9	4238.7	4278.0
0°	4003.5	4008.6	4014.6	4033.9	4046.5	4063.6	4085.0	4120.7	4191.2	4233.4	4293.4
-1°	4044.2	4039.8	4050.3	4059.2	4067.2	4079.9	4092.5	4118.4	4177.1	4210.5	4240.9
-3°	4069.5	4073.2	4074.6	4075.4	4085.0	4085.0	4085.8	4104.4	4135.5	4145.1	4084.3
-5°	4036.0	4037.6	4034.7	4035.3	4042.0	4040.6	4028.7	4037.6	4034.7	4004.9	3941.1
-7°	3962.6	3964.8	3960.4	3958.2	3962.6	3941.9	3921.1	3913.6	3885.5	3854.4	3805.3
-9°	3845.4	3854.9	3841.7	3840.1	3830.6	3812.7	3787.6	3776.3	3748.9	3722.2	3681.5
-11°	3682.2	3695.5	3687.4	3691.8	3690.4	3690.4	3676.2	3667.4	3639.1	3604.3	3561.2
-13°	3564.2	3572.5	3569.4	3570.9	3576.9	3586.5	3576.0	3568.7	3539.7	3503.4	3461.9
-15°	3478.9	3488.5	3487.7	3487.0	3492.9	3500.4	3492.3	3483.4	3454.4	3417.3	3369.8
-17°	3405.4	3410.7	3412.9	3410.7	3409.9	3409.9	3401.0	3391.4	3363.1	3323.0	3269.7
-19.5°	3211.0	3218.5	3220.0	3218.5	3217.0	3217.7	3220.7	3208.8	3190.3	3165.1	3126.5
-22.5°	3054.6	3056.0	3057.5	3059.0	3059.0	3060.5	3059.8	3050.8	3036.0	3018.1	2975.8
-25.5°	2993.8	2994.4	2995.1	2995.9	2992.2	2991.4	2982.5	2969.9	2950.7	2932.9	2890.5
-29°	2846.8	2850.5	2851.2	2848.2	2847.6	2840.1	2826.7	2807.5	2788.2	2771.2	2729.5
-33°	2666.5	2670.2	2669.4	2662.7	2662.1	2650.1	2633.9	2612.4	2589.2	2558.9	2511.5
-37.5°	2521.9	2522.5	2521.9	2516.6	2512.8	2503.3	2486.9	2464.7	2435.8	2402.4	2357.1
-42.5°	2303.7	2303.7	2292.5	2282.1	2272.5	2250.9	2240.6	2225.1	2211.0	2199.8	2147.8
-47.5°	1501.6	1498.0	1483.9	1492.0	1488.3	1482.3	1486.7	1481.0	1467.5	1451.9	1420.7
-55°	333.8	334.6	342.7	362.1	378.5	387.3	384.4	364.3	365.0	382.0	357.7
-65°	307.9	308.7	310.1	312.3	312.3	313.1	320.5	329.4	334.6	344.3	352.4
-75°	88.3	89.7	90.5	89.0	87.6	89.7	92.8	90.5	91.2	91.2	83.1
-85°	1.6	3.7	7.5	10.4	12.6	15.6	17.7	20.0	20.7	20.7	20.7
-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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CATALOG NUMBER: NFFLD-C25-D-UNV-66-7060-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°	17.1	17.1	17.1	17.1	17.1	17.1	16.4	16.4	16.4	16.4	16.4
75°	10.4	11.9	14.1	20.0	20.7	20.0	14.8	15.6	16.4	15.6	16.4
65°	100.9	63.8	40.9	32.0	26.7	32.0	29.6	25.2	21.6	15.6	15.6
55°	668.4	162.5	156.6	516.3	155.8	457.1	122.5	72.7	34.1	15.6	16.4
47.5°	1901.6	1799.2	1704.9	1590.0	1474.2	1399.2	1128.5	126.9	43.0	18.6	17.1
42.5°	2236.9	2124.1	2066.2	1957.2	1828.8	1832.6	1720.6	141.0	46.0	25.2	17.7
37.5°	3170.9	3055.2	2923.3	2796.3	2656.8	2626.4	2439.5	158.1	49.7	33.4	18.6
33°	4360.4	4148.1	3963.4	3798.7	3596.2	3450.7	2994.4	1279.9	63.0	41.5	19.3
29°	4723.1	4534.6	4356.6	4151.1	3986.3	3794.9	3334.3	1606.3	77.9	49.7	20.7
25.5°	4580.6	4430.1	4278.6	4110.3	3994.6	3865.4	3461.1	1829.6	92.1	57.1	22.3
22.5°	4351.5	4203.8	4081.3	3965.6	3893.7	3795.7	3387.6	1971.3	103.8	63.8	22.9
19.5°	4159.3	4025.6	3921.1	3837.2	3804.6	3687.4	3263.8	2082.6	117.3	69.7	24.5
17°	4017.5	3898.8	3812.1	3764.5	3732.6	3565.7	3173.3	2169.4	129.1	74.2	25.2
15°	3924.1	3819.4	3752.7	3717.8	3668.1	3465.6	3110.1	2234.7	139.4	77.2	25.2
13°	3865.4	3783.8	3734.1	3675.5	3585.7	3369.1	3058.2	2296.3	148.4	79.4	26.1
11°	3824.5	3765.3	3717.8	3616.9	3490.8	3304.5	3025.6	2350.5	155.0	80.8	26.1
9°	3801.6	3742.3	3675.5	3545.7	3418.0	3260.8	3014.5	2401.6	160.2	82.4	26.7
7°	3835.0	3753.4	3654.0	3506.4	3369.1	3248.2	3015.1	2441.0	163.2	83.1	26.7
5°	3894.4	3781.6	3654.7	3468.6	3331.9	3240.0	3016.7	2470.6	163.2	83.8	26.7
3°	3967.7	3811.3	3655.5	3430.7	3300.1	3230.4	3018.1	2489.2	163.9	83.8	26.7
1°	4052.4	3810.5	3640.6	3396.5	3270.5	3215.6	3012.2	2495.8	161.0	82.4	26.7
0°	4061.3	3794.9	3622.1	3378.7	3254.1	3205.8	3007.0	2496.7	160.2	81.6	26.7
-1°	4042.0	3769.0	3600.5	3361.0	3236.3	3194.8	3002.6	2495.8	160.2	80.8	26.7
-3°	3893.7	3703.0	3547.2	3322.4	3192.5	3164.4	2992.2	2484.8	160.2	78.6	26.7
-5°	3785.4	3631.0	3484.0	3269.7	3135.4	3112.4	2971.5	2463.2	161.0	77.2	26.1
-7°	3685.1	3548.6	3407.0	3203.7	3072.4	3046.3	2936.5	2431.3	160.2	76.4	26.1
-9°	3584.3	3464.1	3321.6	3135.4	3007.0	2965.5	2890.5	2386.0	158.1	74.9	26.1
-11°	3482.6	3371.4	3234.1	3064.1	2945.4	2890.5	2834.9	2328.9	155.0	74.2	25.2
-13°	3388.4	3277.8	3148.0	2998.9	2885.3	2821.5	2777.1	2261.4	151.3	72.7	24.5
-15°	3286.1	3174.7	3061.9	2934.3	2830.4	2752.6	2719.1	2185.0	145.4	71.9	23.7
-17°	3176.2	3064.1	2963.3	2861.6	2768.2	2689.4	2659.8	2099.0	139.4	71.3	23.7
-19.5°	3034.5	2935.1	2851.2	2773.3	2684.2	2612.4	2587.1	1975.8	129.8	68.9	22.9
-22.5°	2882.4	2783.0	2716.2	2656.8	2580.4	2529.2	2527.0	1825.1	116.5	66.8	21.6
-25.5°	2805.2	2722.2	2653.8	2571.5	2492.8	2468.4	2464.7	1664.1	104.7	63.0	20.7
-29°	2656.1	2588.6	2526.3	2433.6	2363.1	2366.8	2370.4	1449.0	95.6	58.6	19.3
-33°	2446.8	2391.2	2327.4	2239.9	2192.4	2202.8	2192.4	1170.7	92.1	51.2	18.6
-37.5°	2297.7	2235.4	2159.1	2068.6	2001.0	2002.5	1945.3	161.8	88.3	42.3	17.7
-42.5°	2081.1	2062.5	1962.4	1885.3	1771.0	1678.2	1493.5	158.1	85.3	32.0	17.1
-47.5°	1394.1	1371.8	1348.9	1299.9	1210.0	1057.3	808.6	138.0	80.8	21.6	17.1
-55°	368.8	360.6	385.8	359.8	312.3	152.9	146.2	83.1	67.6	16.4	16.4
-65°	364.3	350.9	250.0	131.4	95.6	105.3	135.0	85.3	32.0	16.4	16.4
-75°	60.9	37.1	22.3	24.5	30.4	45.2	43.8	22.3	17.7	16.4	16.4
-85°	20.7	20.0	20.0	19.3	18.6	18.6	17.7	17.1	17.1	16.4	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)