

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: P958810

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

Issue Date: 2/3/2025



**Test Information**

Test Method: LM-79-08  
Report Number: P958810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P233385)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 2/3/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NFFLD-C25-D-UNV-66-8040  
Description: NIGHT FALCON LED FLOOD LIGHT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

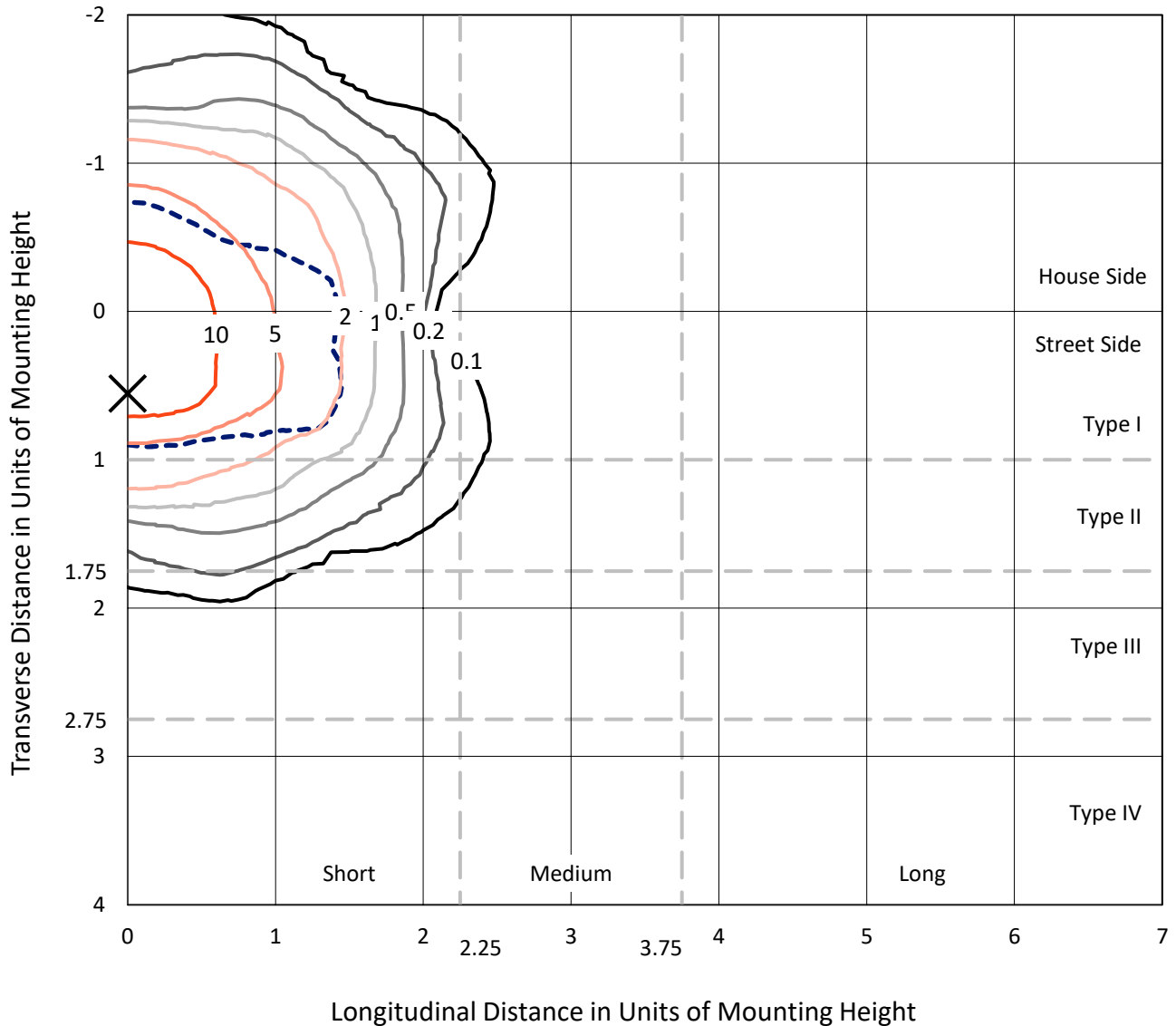
Lumens per Lamp: N/A  
Luminaire Lumens: 9861 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1.33' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G1

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: 28.75 FT

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### Iso-Footcandle Lines of Horizontal Illumination

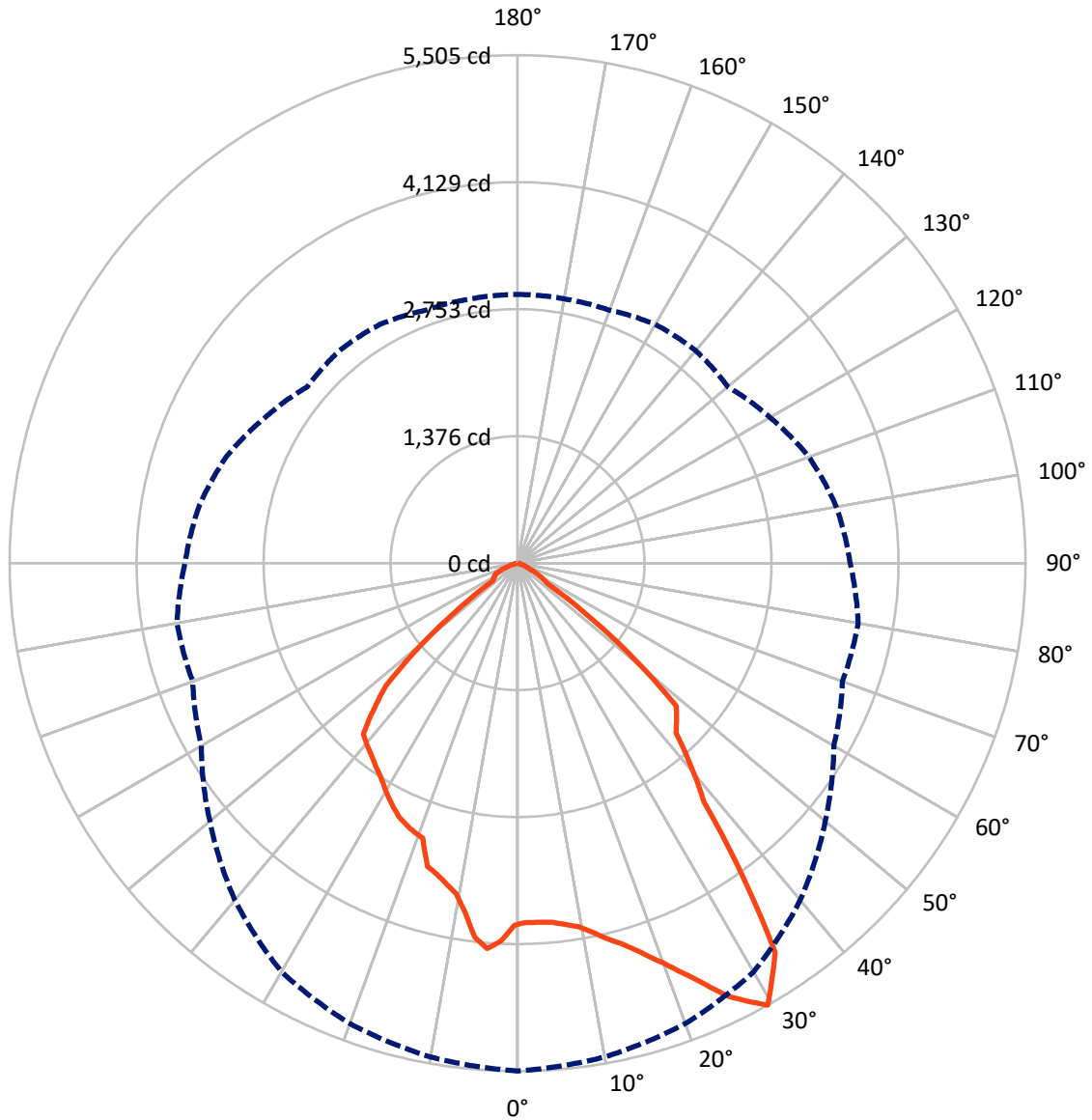
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 17.7 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 29-Deg Vertical

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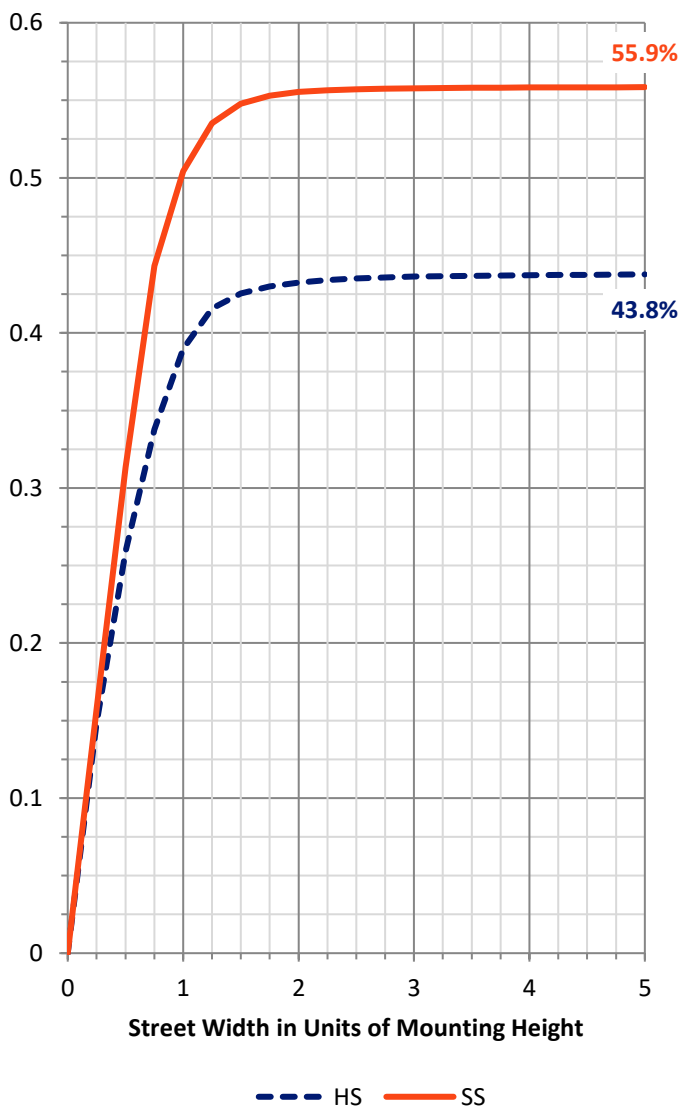
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4355.2	0.0	4355.2
	% Fixture	44.2	0.0	44.2
<b>Street Side</b>	Lumens	5505.7	0.0	5505.7
	% Fixture	55.8	0.0	55.8
<b>Total</b>	Lumens	9861.0	0.0	9861.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	380.1	3.9
10°-20°	1102.0	11.2
20°-30°	1779.6	18.0
30°-40°	2207.1	22.4
40°-50°	2192.2	22.2
50°-60°	1548.2	15.7
60°-70°	642.0	6.5
70°-80°	132.7	1.3
80°-90°	18.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9861.0	100.0
0°-180°	9861.0	100.0



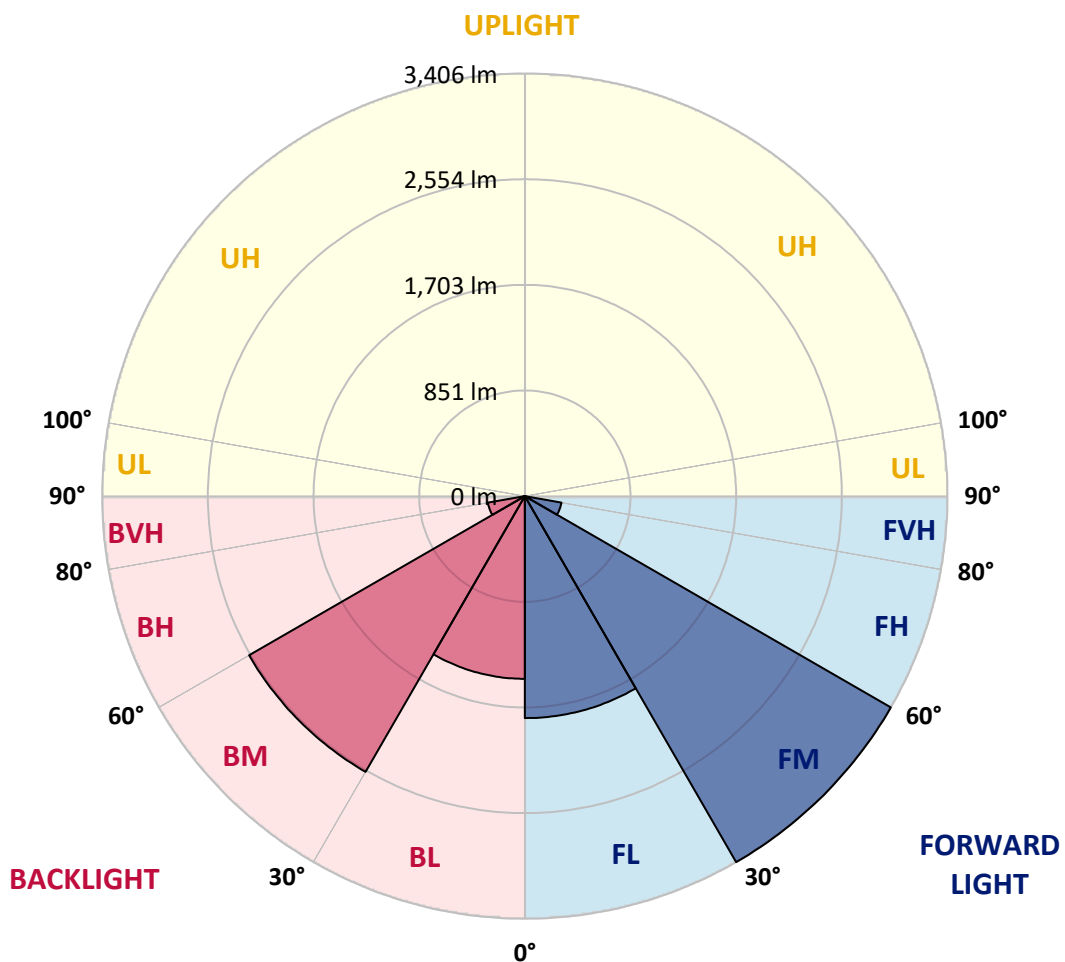
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1788.9	18.1			
FM (30°-60°)	3405.8	34.5			
FH (60°-80°)	299.2	3.0			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	1472.6	14.9	B3/2500		
BM (30°-60°)	2566.0	26.0	B3/5000		
BH (60°-80°)	302.4	3.1	B1/500		G1/500
BVH (80°-90°)	10.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4
1°	3896.2	3896.7	3897.3	3898.2	3899.3	3900.5	3901.9	3903.3	3904.8	3906.2	3909.8
3°	3899.8	3899.3	3898.9	3899.7	3900.5	3901.1	3901.7	3902.2	3907.7	3913.6	3927.2
5°	3911.7	3911.2	3909.9	3908.4	3906.8	3905.0	3905.3	3906.7	3909.8	3923.6	3952.4
7°	3949.2	3947.8	3940.6	3931.0	3919.9	3912.8	3910.6	3912.8	3919.2	3941.0	3998.1
9°	3994.9	3992.4	3980.1	3964.0	3942.7	3925.5	3915.1	3914.5	3924.7	3959.2	4043.2
11°	4082.5	4076.1	4049.5	4008.6	3966.6	3937.5	3919.0	3915.4	3932.4	3990.3	4072.0
13°	4190.3	4177.3	4137.9	4074.0	4006.9	3947.2	3915.5	3907.0	3931.5	4011.3	4060.3
15°	4288.1	4276.4	4233.7	4151.9	4062.9	3966.5	3909.1	3899.8	3930.4	4019.6	4014.7
17°	4419.7	4398.0	4339.6	4243.6	4136.8	3999.6	3911.1	3905.1	3948.0	4023.2	3948.7
19.5°	4609.7	4573.7	4490.5	4363.8	4218.9	4075.3	3939.6	3914.5	3981.7	4087.2	3866.4
22.5°	4885.6	4830.7	4716.7	4546.0	4334.6	4134.7	3968.5	3890.5	3948.2	3995.8	3743.0
25.5°	5226.3	5146.0	5003.0	4793.2	4526.1	4254.8	3965.1	3811.1	3842.4	3697.1	3598.1
29°	5505.0	5434.8	5311.9	5115.6	4766.9	4353.4	3957.2	3747.0	3747.9	3603.9	3508.2
33°	5057.3	5102.0	5199.6	5362.5	5008.4	4411.1	3986.1	3779.7	3540.0	3366.4	3261.8
37.5°	3278.7	3477.1	3947.3	4619.4	4954.3	4585.4	4033.0	3783.3	3476.8	3257.7	3077.8
42.5°	2516.8	2582.0	2758.6	3005.6	3769.0	4455.6	4189.1	3816.3	3358.9	3222.0	2969.2
47.5°	2314.0	2320.1	2320.8	2305.2	2523.2	3456.6	4326.1	3837.5	3116.8	3020.1	2927.5
55°	394.7	605.4	957.5	1293.3	1794.7	1887.7	3156.0	3129.9	2648.8	2813.7	2599.2
65°	119.6	103.9	224.3	181.3	260.0	532.1	743.9	785.0	481.9	107.8	489.3
75°	13.7	16.6	28.2	23.6	27.9	23.7	41.6	47.9	47.7	82.2	77.2
85°	0.0	9.5	13.7	14.2	15.6	15.2	17.7	18.8	17.8	20.1	20.6
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):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4
1°	3913.3	3916.4	3919.2	3921.4	3923.2	3924.3	3924.8	3924.6	3924.8	3924.3	3923.2
3°	3941.1	3979.2	4013.3	4042.5	4065.9	4082.7	4094.2	4098.1	4094.2	4082.7	4065.9
5°	4010.8	4071.0	4115.6	4136.3	4156.7	4174.9	4188.5	4191.3	4188.5	4174.9	4156.7
7°	4078.8	4127.6	4149.3	4143.9	4111.9	4092.6	4082.5	4080.7	4082.5	4092.6	4111.9
9°	4124.0	4129.1	4083.9	4021.2	3948.0	3890.2	3849.8	3830.4	3849.8	3890.2	3948.0
11°	4094.1	4041.6	3936.1	3841.8	3760.0	3704.8	3665.3	3644.1	3665.3	3704.8	3760.0
13°	4018.0	3879.3	3774.5	3694.5	3625.7	3593.1	3571.5	3560.0	3571.5	3593.1	3625.7
15°	3904.7	3745.9	3669.2	3602.6	3548.0	3509.2	3490.9	3484.2	3490.9	3509.2	3548.0
17°	3794.7	3675.8	3610.4	3535.5	3465.6	3444.3	3440.8	3430.3	3440.8	3444.3	3465.6
19.5°	3719.6	3630.5	3543.9	3433.7	3392.5	3260.5	3180.9	3153.5	3180.9	3260.5	3392.5
22.5°	3650.8	3565.5	3413.2	3292.0	3128.7	3106.4	3104.4	3104.1	3104.4	3106.4	3128.7
25.5°	3528.1	3416.7	3239.7	3079.9	3083.9	3041.3	3032.6	3036.5	3032.6	3041.3	3083.9
29°	3360.6	3158.1	2974.4	3004.9	2986.7	2916.3	2908.3	2911.4	2908.3	2916.3	2986.7
33°	3127.4	2921.3	2827.4	2846.0	2780.0	2749.0	2757.9	2754.3	2757.9	2749.0	2780.0
37.5°	2904.1	2759.6	2674.6	2610.0	2594.9	2602.9	2624.9	2623.6	2624.9	2602.9	2594.9
42.5°	2754.9	2635.9	2474.4	2406.2	2434.2	2465.8	2492.6	2498.5	2492.6	2465.8	2434.2
47.5°	2691.2	2547.8	2258.0	2234.1	2221.6	2056.5	1944.0	1953.1	1944.0	2056.5	2221.6
55°	2373.4	2412.2	1956.0	1653.5	1082.9	662.7	403.7	328.9	403.7	662.7	1082.9
65°	799.7	642.6	315.5	235.7	314.1	274.5	256.7	256.7	256.7	274.5	314.1
75°	101.8	74.4	71.9	54.1	72.1	55.7	35.1	28.3	35.1	55.7	72.1
85°	19.5	18.2	18.5	17.1	16.6	18.6	16.0	0.9	16.0	18.6	16.6
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):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4	3904.4
1°	3921.4	3919.2	3916.4	3913.3	3909.8	3906.2	3904.8	3903.3	3901.9	3900.5	3899.3
3°	4042.5	4013.3	3979.2	3941.1	3927.2	3913.6	3907.7	3902.2	3901.7	3901.1	3900.5
5°	4136.3	4115.6	4071.0	4010.8	3952.4	3923.6	3909.8	3906.7	3905.3	3905.0	3906.8
7°	4143.9	4149.3	4127.6	4078.8	3998.1	3941.0	3919.2	3912.8	3910.6	3912.8	3919.9
9°	4021.2	4083.9	4129.1	4124.0	4043.2	3959.2	3924.7	3914.5	3915.1	3925.5	3942.7
11°	3841.8	3936.1	4041.6	4094.1	4072.0	3990.3	3932.4	3915.4	3919.0	3937.5	3966.6
13°	3694.5	3774.5	3879.3	4018.0	4060.3	4011.3	3931.5	3907.0	3915.5	3947.2	4006.9
15°	3602.6	3669.2	3745.9	3904.7	4014.7	4019.6	3930.4	3899.8	3909.1	3966.5	4062.9
17°	3535.5	3610.4	3675.8	3794.7	3948.7	4023.2	3948.0	3905.1	3911.1	3999.6	4136.8
19.5°	3433.7	3543.9	3630.5	3719.6	3866.4	4087.2	3981.7	3914.5	3939.6	4075.3	4218.9
22.5°	3292.0	3413.2	3565.5	3650.8	3743.0	3995.8	3948.2	3890.5	3968.5	4134.7	4334.6
25.5°	3079.9	3239.7	3416.7	3528.1	3598.1	3697.1	3842.4	3811.1	3965.1	4254.8	4526.1
29°	3004.9	2974.4	3158.1	3360.6	3508.2	3603.9	3747.9	3747.0	3957.2	4353.4	4766.9
33°	2846.0	2827.4	2921.3	3127.4	3261.8	3366.4	3540.0	3779.7	3986.1	4411.1	5008.4
37.5°	2610.0	2674.6	2759.6	2904.1	3077.8	3257.7	3476.8	3783.3	4033.0	4585.4	4954.3
42.5°	2406.2	2474.4	2635.9	2754.9	2969.2	3222.0	3358.9	3816.3	4189.1	4455.6	3769.0
47.5°	2234.1	2258.0	2547.8	2691.2	2927.5	3020.1	3116.8	3837.5	4326.1	3456.6	2523.2
55°	1653.5	1956.0	2412.2	2373.4	2599.2	2813.7	2648.8	3129.9	3156.0	1887.7	1794.7
65°	235.7	315.5	642.6	799.7	489.3	107.8	481.9	785.0	743.9	532.1	260.0
75°	54.1	71.9	74.4	101.8	77.2	82.2	47.7	47.9	41.6	23.7	27.9
85°	17.1	18.5	18.2	19.5	20.6	20.1	17.8	18.8	17.7	15.2	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



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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3904.4	3904.4	3904.4	3904.4
1°	3898.2	3897.3	3896.7	3896.2
3°	3899.7	3898.9	3899.3	3899.8
5°	3908.4	3909.9	3911.2	3911.7
7°	3931.0	3940.6	3947.8	3949.2
9°	3964.0	3980.1	3992.4	3994.9
11°	4008.6	4049.5	4076.1	4082.5
13°	4074.0	4137.9	4177.3	4190.3
15°	4151.9	4233.7	4276.4	4288.1
17°	4243.6	4339.6	4398.0	4419.7
19.5°	4363.8	4490.5	4573.7	4609.7
22.5°	4546.0	4716.7	4830.7	4885.6
25.5°	4793.2	5003.0	5146.0	5226.3
29°	5115.6	5311.9	5434.8	5505.0
33°	5362.5	5199.6	5102.0	5057.3
37.5°	4619.4	3947.3	3477.1	3278.7
42.5°	3005.6	2758.6	2582.0	2516.8
47.5°	2305.2	2320.8	2320.1	2314.0
55°	1293.3	957.5	605.4	394.7
65°	181.3	224.3	103.9	119.6
75°	23.6	28.2	16.6	13.7
85°	14.2	13.7	9.5	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)