

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: P958813

Luminaire Tested: **NFFLD-C55-D-UNV-66-8040**

Issue Date: 2/3/2025



Test Information

Test Method: LM-79-08
Report Number: P958813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P232925)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/3/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-C55-D-UNV-66-8040
Description: LED FLOOD LIGHT LUMINAIRE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

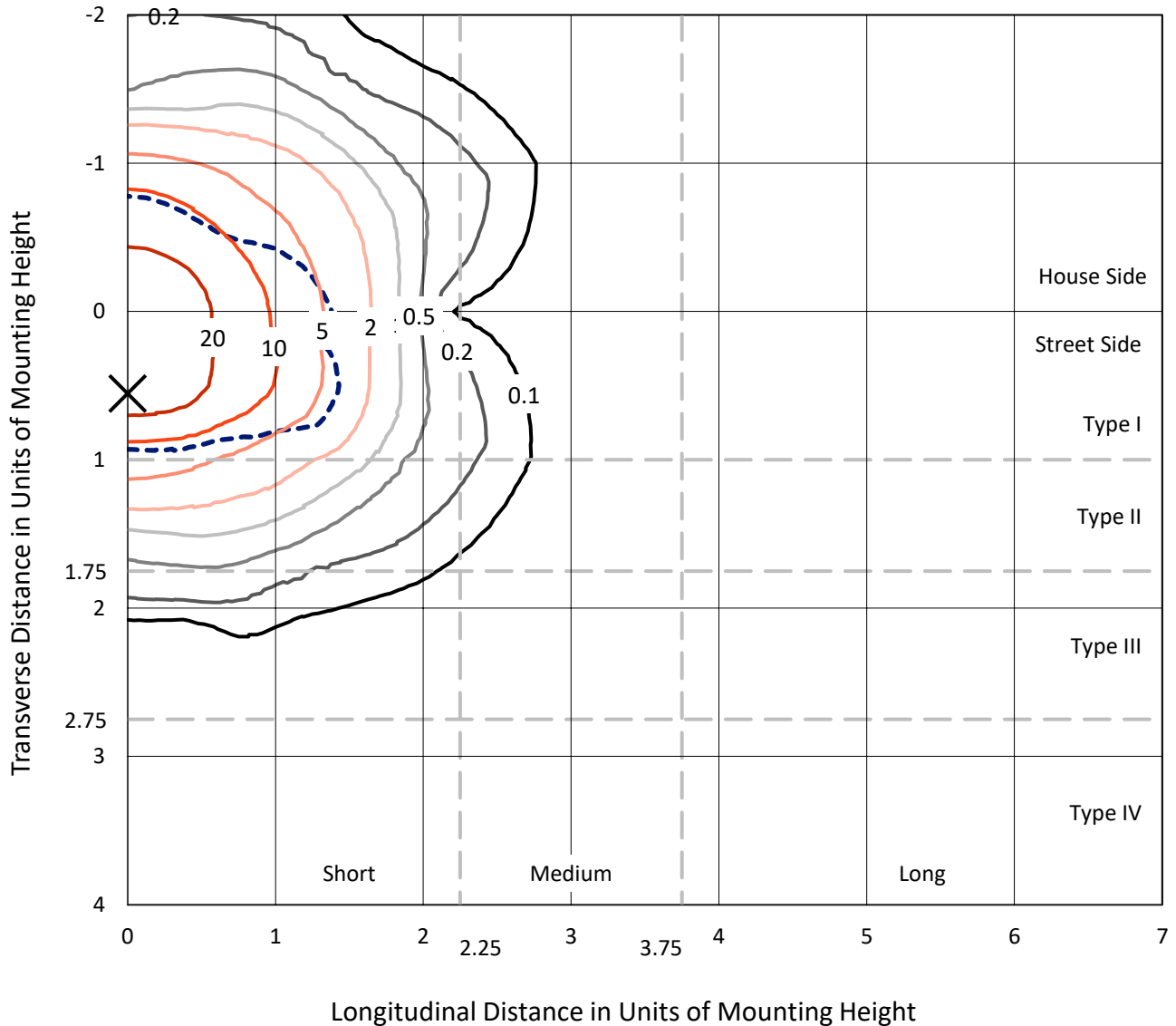
Lumens per Lamp: N/A
Luminaire Lumens: 18670.1 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: (L: 0' x W: 1' x H: 0.67'
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 145
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

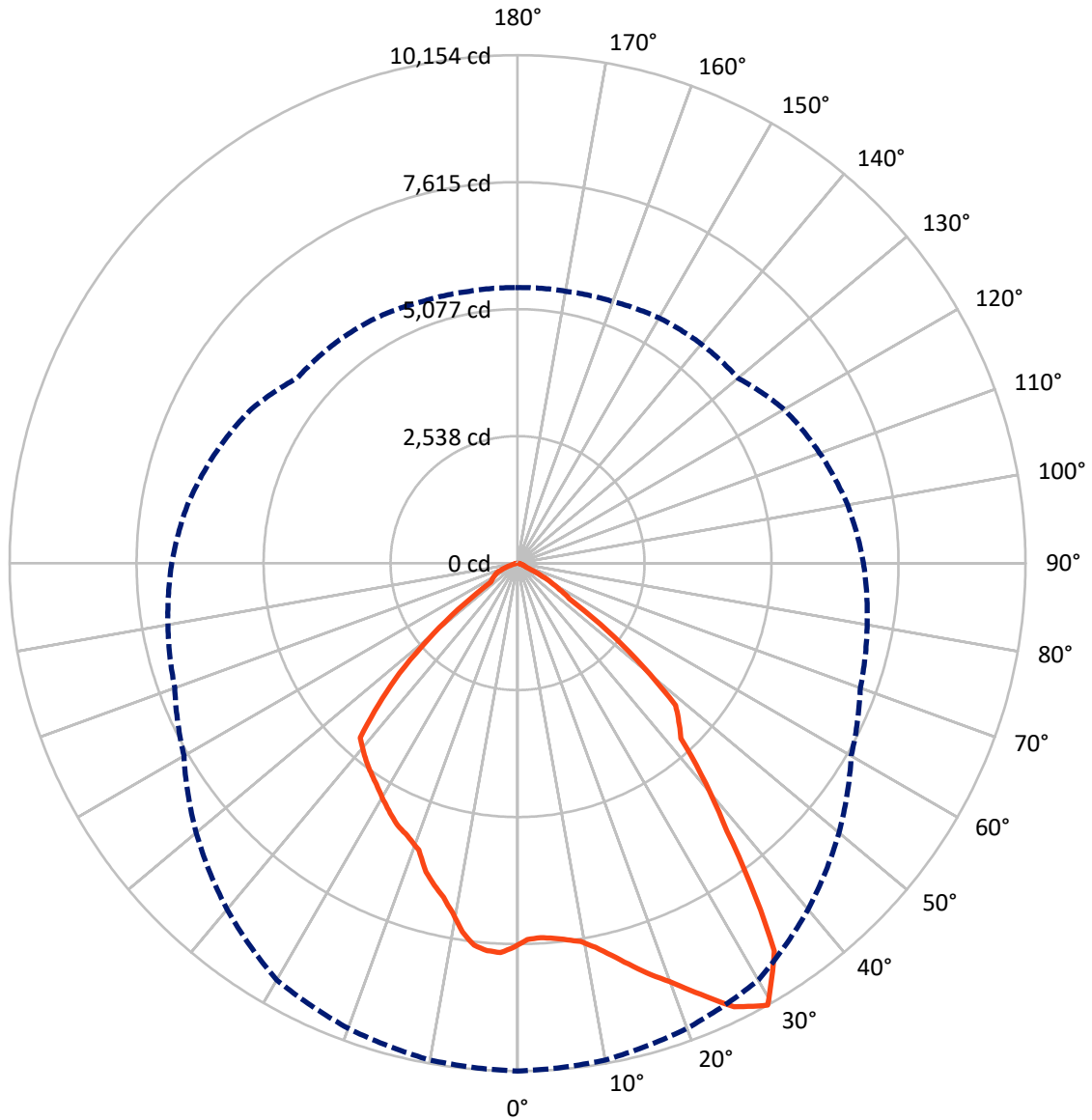
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 33.8 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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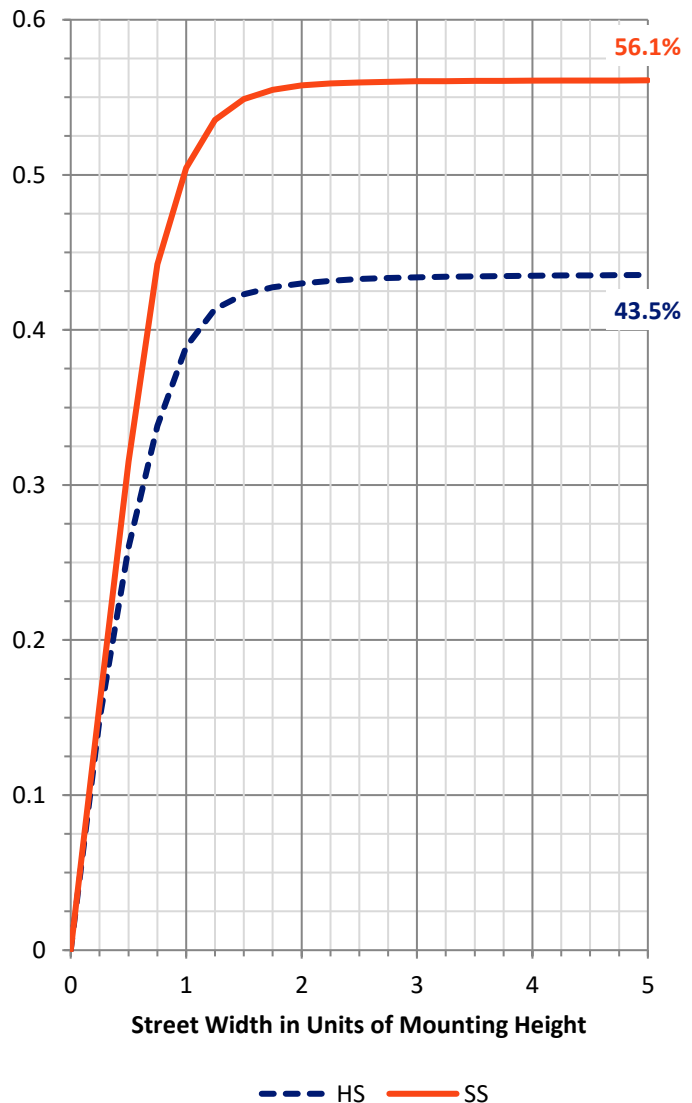
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8199.6	0.0	8199.6
	% Fixture	43.9	0.0	43.9
Street Side	Lumens	10470.5	0.0	10470.5
	% Fixture	56.1	0.0	56.1
Total	Lumens	18670.1	0.0	18670.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.6	3.9
10°-20°	2112.6	11.3
20°-30°	3402.9	18.2
30°-40°	4213.4	22.6
40°-50°	4123.9	22.1
50°-60°	2874.1	15.4
60°-70°	1202.5	6.4
70°-80°	253.7	1.4
80°-90°	31.2	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°	18670.1	100.0
0°-180°	18670.1	100.0

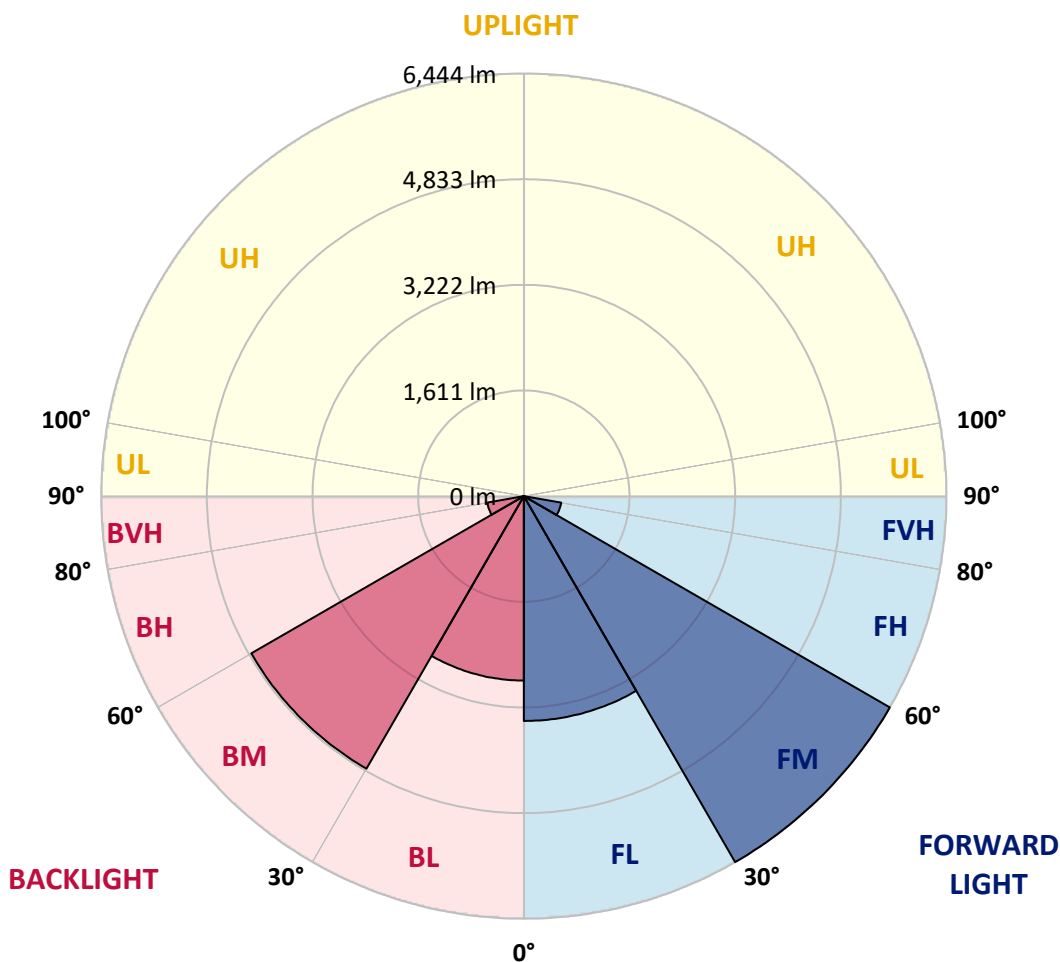


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3428.6	18.4			
FM (30°-60°)	6444.2	34.5			
FH (60°-80°)	577.7	3.1			G0/660
FVH (80°-90°)	11.6	0.1			G1/100
BL (0°-30°)	2812.1	15.1	B4/5000		
BM (30°-60°)	4798.3	25.7	B3/5000		
BH (60°-80°)	566.5	3.0	B2/1000		G2/1000
BVH (80°-90°)	15.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7
1°	7525.7	7529.0	7534.5	7541.6	7550.1	7559.9	7570.4	7581.5	7592.9	7604.4	7616.7
3°	7499.8	7506.2	7513.4	7516.6	7521.7	7528.8	7537.5	7547.4	7581.8	7618.3	7653.3
5°	7533.1	7527.5	7524.4	7520.6	7516.3	7514.1	7525.3	7543.5	7568.1	7625.7	7684.2
7°	7593.3	7588.5	7572.2	7553.7	7532.7	7517.9	7510.9	7523.4	7556.9	7631.3	7692.0
9°	7668.3	7664.9	7639.1	7608.4	7563.6	7524.6	7493.8	7492.9	7543.2	7627.6	7679.8
11°	7837.8	7805.1	7759.0	7688.9	7602.4	7539.1	7487.4	7485.4	7536.3	7625.7	7653.8
13°	8062.8	8021.0	7951.7	7820.0	7680.8	7566.9	7502.3	7482.7	7541.1	7610.9	7625.2
15°	8318.4	8265.6	8183.1	8003.9	7796.1	7620.7	7523.7	7499.4	7563.3	7623.9	7578.5
17°	8592.4	8554.9	8425.0	8201.4	7952.5	7708.7	7544.3	7526.3	7592.1	7664.6	7520.2
19.5°	8900.8	8850.8	8710.4	8475.7	8159.1	7861.7	7593.2	7537.1	7587.5	7734.0	7419.2
22.5°	9362.0	9269.5	9059.9	8767.5	8433.3	8024.2	7649.2	7477.5	7468.2	7430.3	7204.3
25.5°	9866.6	9749.0	9494.5	9115.3	8710.4	8237.8	7690.8	7358.6	7317.7	7214.6	6984.6
29°	10153.7	10085.4	9897.7	9624.0	9035.6	8387.2	7700.7	7292.2	7097.0	6913.6	6699.6
33°	9298.1	9397.7	9558.1	9800.3	9298.6	8458.2	7727.3	7296.1	6836.8	6467.3	6273.1
37.5°	6797.9	7040.6	7670.4	8628.2	9004.7	8610.1	7773.4	7326.0	6630.5	6237.6	5940.2
42.5°	4788.4	4986.9	5435.1	6101.9	7204.1	8136.4	7896.8	7299.4	6392.4	6070.9	5743.9
47.5°	4251.4	4254.8	4323.0	4371.5	4992.5	6531.3	7794.0	7136.8	5983.7	5713.5	5521.2
55°	1254.7	1537.3	2018.7	2523.4	3240.0	3661.3	5642.6	5680.0	4735.4	4891.2	4610.7
65°	195.4	217.5	442.5	462.9	655.9	1043.0	1312.7	1497.2	914.2	292.6	920.1
75°	25.9	20.5	58.9	51.3	44.5	32.3	74.5	82.9	93.8	146.3	144.0
85°	0.0	20.3	26.8	25.7	18.4	19.6	20.8	20.9	32.9	22.2	29.3
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°	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7
1°	7628.7	7639.9	7650.1	7658.9	7666.4	7671.8	7675.3	7676.6	7675.3	7671.8	7666.4
3°	7686.4	7711.5	7734.0	7753.7	7769.9	7781.9	7789.7	7792.4	7789.7	7781.9	7769.9
5°	7721.4	7756.5	7780.9	7777.5	7772.8	7771.3	7772.6	7770.2	7772.6	7771.3	7772.8
7°	7738.2	7753.1	7745.3	7726.2	7692.7	7676.3	7676.0	7687.7	7676.0	7676.3	7692.7
9°	7723.6	7691.9	7646.1	7600.9	7530.1	7472.4	7444.9	7450.7	7444.9	7472.4	7530.1
11°	7642.4	7573.8	7482.6	7371.1	7285.5	7184.7	7113.6	7112.7	7113.6	7184.7	7285.5
13°	7553.3	7415.4	7248.3	7113.9	7009.2	6929.1	6855.0	6842.3	6855.0	6929.1	7009.2
15°	7445.9	7237.9	7048.0	6910.2	6800.8	6723.7	6654.1	6646.9	6654.1	6723.7	6800.8
17°	7313.5	7069.3	6897.4	6759.0	6640.2	6527.6	6439.2	6436.7	6439.2	6527.6	6640.2
19.5°	7166.1	6928.6	6752.5	6575.5	6397.2	6214.2	6086.1	6061.7	6086.1	6214.2	6397.2
22.5°	6986.5	6780.5	6550.2	6275.4	6011.8	5946.2	5892.0	5877.4	5892.0	5946.2	6011.8
25.5°	6757.5	6528.7	6249.3	5939.0	5856.6	5793.6	5749.8	5741.3	5749.8	5793.6	5856.6
29°	6427.8	6149.6	5751.7	5715.5	5659.5	5564.6	5518.9	5507.9	5518.9	5564.6	5659.5
33°	6016.3	5669.2	5420.3	5404.0	5335.9	5263.9	5259.5	5246.8	5259.5	5263.9	5335.9
37.5°	5643.7	5280.1	5102.8	4998.6	4959.6	4984.5	4997.1	5002.3	4997.1	4984.5	4959.6
42.5°	5323.8	5000.0	4717.1	4602.5	4626.4	4647.1	4661.3	4702.3	4661.3	4647.1	4626.4
47.5°	5081.1	4744.9	4310.0	4232.5	4091.1	3619.5	3305.6	3226.2	3305.6	3619.5	4091.1
55°	4318.1	4210.5	3630.5	2791.2	1921.7	1245.2	850.6	657.5	850.6	1245.2	1921.7
65°	1502.4	1118.1	690.0	522.5	617.9	530.9	477.4	469.5	477.4	530.9	617.9
75°	165.3	127.1	122.9	118.7	146.2	104.6	84.3	60.2	84.3	104.6	146.2
85°	22.2	22.7	25.3	28.0	24.1	21.7	13.8	0.0	13.8	21.7	24.1
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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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7	7600.7
1°	7658.9	7650.1	7639.9	7628.7	7616.7	7604.4	7592.9	7581.5	7570.4	7559.9	7550.1
3°	7753.7	7734.0	7711.5	7686.4	7653.3	7618.3	7581.8	7547.4	7537.5	7528.8	7521.7
5°	7777.5	7780.9	7756.5	7721.4	7684.2	7625.7	7568.1	7543.5	7525.3	7514.1	7516.3
7°	7726.2	7745.3	7753.1	7738.2	7692.0	7631.3	7556.9	7523.4	7510.9	7517.9	7532.7
9°	7600.9	7646.1	7691.9	7723.6	7679.8	7627.6	7543.2	7492.9	7493.8	7524.6	7563.6
11°	7371.1	7482.6	7573.8	7642.4	7653.8	7625.7	7536.3	7485.4	7487.4	7539.1	7602.4
13°	7113.9	7248.3	7415.4	7553.3	7625.2	7610.9	7541.1	7482.7	7502.3	7566.9	7680.8
15°	6910.2	7048.0	7237.9	7445.9	7578.5	7623.9	7563.3	7499.4	7523.7	7620.7	7796.1
17°	6759.0	6897.4	7069.3	7313.5	7520.2	7664.6	7592.1	7526.3	7544.3	7708.7	7952.5
19.5°	6575.5	6752.5	6928.6	7166.1	7419.2	7734.0	7587.5	7537.1	7593.2	7861.7	8159.1
22.5°	6275.4	6550.2	6780.5	6986.5	7204.3	7430.3	7468.2	7477.5	7649.2	8024.2	8433.3
25.5°	5939.0	6249.3	6528.7	6757.5	6984.6	7214.6	7317.7	7358.6	7690.8	8237.8	8710.4
29°	5715.5	5751.7	6149.6	6427.8	6699.6	6913.6	7097.0	7292.2	7700.7	8387.2	9035.6
33°	5404.0	5420.3	5669.2	6016.3	6273.1	6467.3	6836.8	7296.1	7727.3	8458.2	9298.6
37.5°	4998.6	5102.8	5280.1	5643.7	5940.2	6237.6	6630.5	7326.0	7773.4	8610.1	9004.7
42.5°	4602.5	4717.1	5000.0	5323.8	5743.9	6070.9	6392.4	7299.4	7896.8	8136.4	7204.1
47.5°	4232.5	4310.0	4744.9	5081.1	5521.2	5713.5	5983.7	7136.8	7794.0	6531.3	4992.5
55°	2791.2	3630.5	4210.5	4318.1	4610.7	4891.2	4735.4	5680.0	5642.6	3661.3	3240.0
65°	522.5	690.0	1118.1	1502.4	920.1	292.6	914.2	1497.2	1312.7	1043.0	655.9
75°	118.7	122.9	127.1	165.3	144.0	146.3	93.8	82.9	74.5	32.3	44.5
85°	28.0	25.3	22.7	22.2	29.3	22.2	32.9	20.9	20.8	19.6	18.4
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):

	330°	340°	350°	360°
0°	7600.7	7600.7	7600.7	7600.7
1°	7541.6	7534.5	7529.0	7525.7
3°	7516.6	7513.4	7506.2	7499.8
5°	7520.6	7524.4	7527.5	7533.1
7°	7553.7	7572.2	7588.5	7593.3
9°	7608.4	7639.1	7664.9	7668.3
11°	7688.9	7759.0	7805.1	7837.8
13°	7820.0	7951.7	8021.0	8062.8
15°	8003.9	8183.1	8265.6	8318.4
17°	8201.4	8425.0	8554.9	8592.4
19.5°	8475.7	8710.4	8850.8	8900.8
22.5°	8767.5	9059.9	9269.5	9362.0
25.5°	9115.3	9494.5	9749.0	9866.6
29°	9624.0	9897.7	10085.4	10153.7
33°	9800.3	9558.1	9397.7	9298.1
37.5°	8628.2	7670.4	7040.6	6797.9
42.5°	6101.9	5435.1	4986.9	4788.4
47.5°	4371.5	4323.0	4254.8	4251.4
55°	2523.4	2018.7	1537.3	1254.7
65°	462.9	442.5	217.5	195.4
75°	51.3	58.9	20.5	25.9
85°	25.7	26.8	20.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)