

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: McGRAW-EDISON

Report Number: P1212027

Luminaire Tested: **GKO-PB2E-830-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212027
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-830-U-T1
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

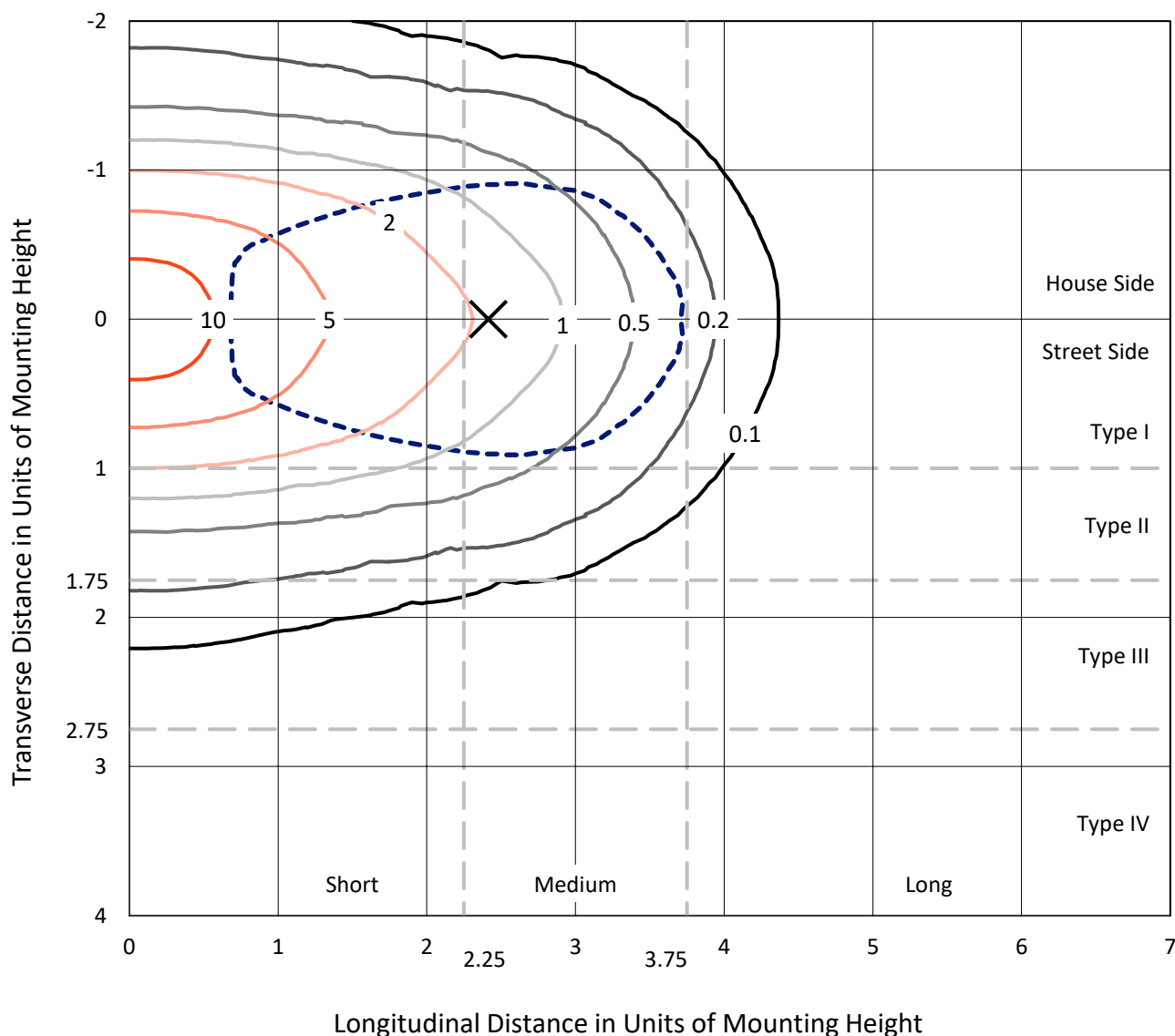
Lumens per Lamp: N/A
Luminaire Lumens: 11865.6 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
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

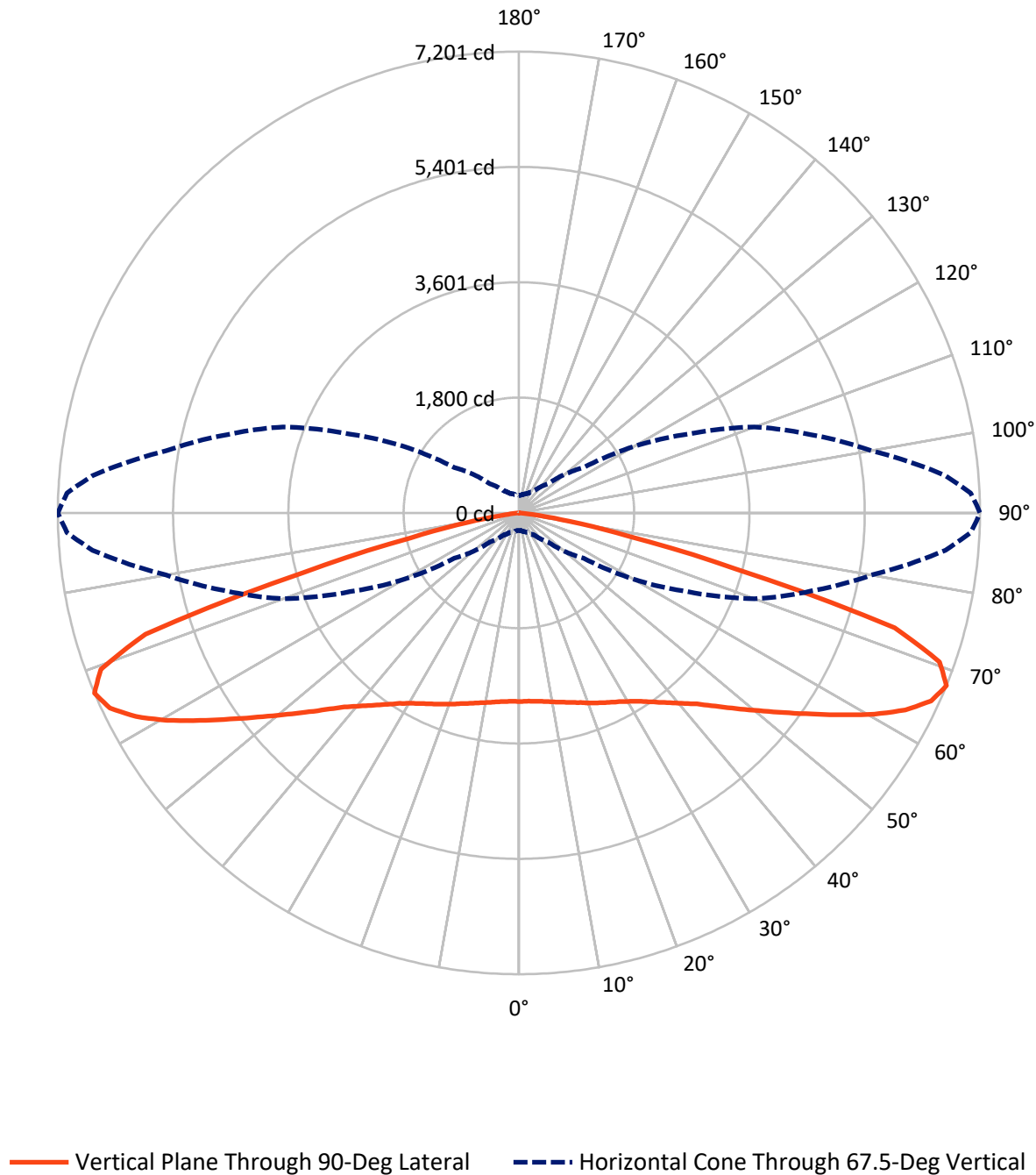
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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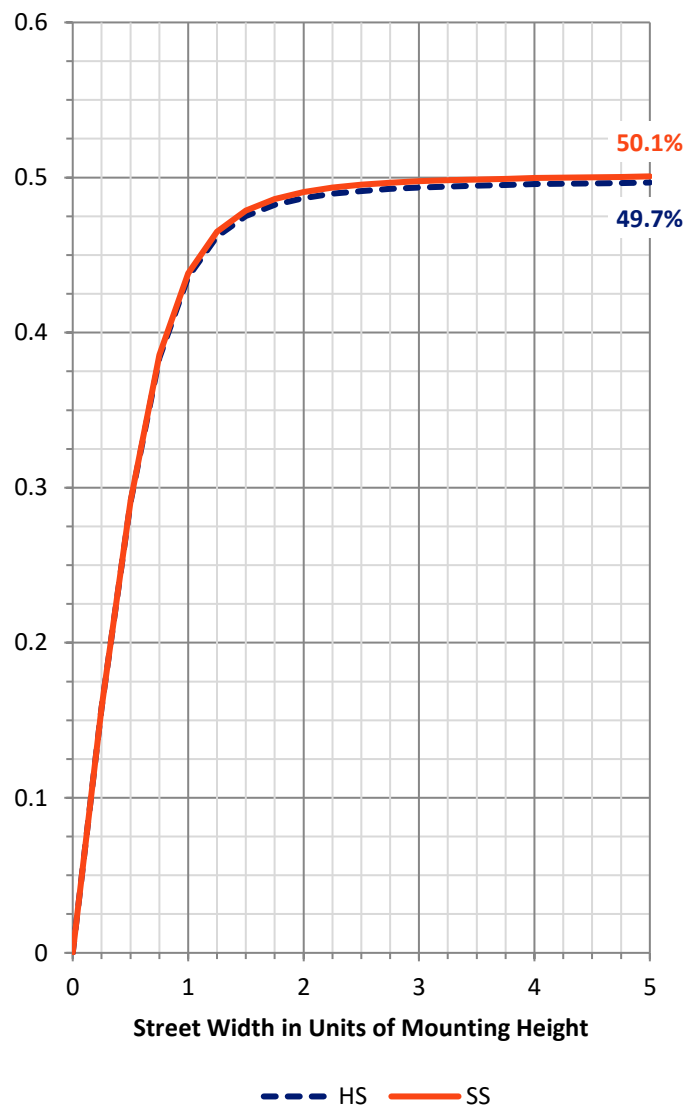
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5932.8	0.0	5932.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5932.8	0.0	5932.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11865.6	0.0	11865.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	2.4
10°-20°	850.9	7.2
20°-30°	1414.9	11.9
30°-40°	1879.7	15.8
40°-50°	2119.1	17.9
50°-60°	2179.1	18.4
60°-70°	2059.3	17.4
70°-80°	1008.1	8.5
80°-90°	72.1	0.6
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°	11865.6	100.0
0°-180°	11865.6	100.0

Coefficient of Utilization



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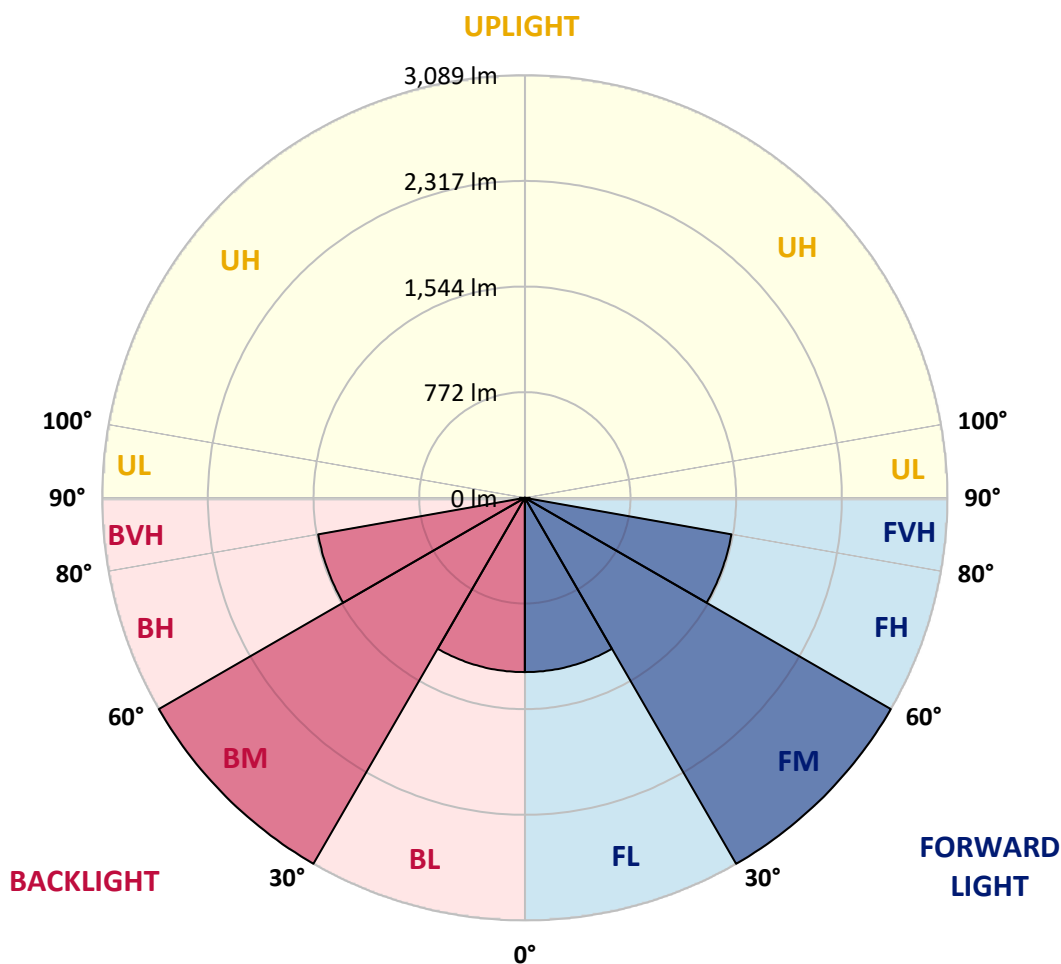
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1274.1	10.7			
FM	(30°-60°)	3089.0	26.0			
FH	(60°-80°)	1533.7	12.9			G1/1800
FVH	(80°-90°)	36.0	0.3			G1/100
BL	(0°-30°)	1274.1	10.7	B3/2500		
BM	(30°-60°)	3089.0	26.0	B3/5000		
BH	(60°-80°)	1533.7	12.9	B3/2500		G3/2500
BVH	(80°-90°)	36.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	2944.3	2944.3	2944.3	2944.3	2944.3	2944.3	2944.3	2944.3	2944.3	2944.3	2944.3
2.5°	2946.5	2950.9	2942.2	2942.2	2946.5	2948.7	2948.7	2950.9	2946.5	2946.5	2944.3
5°	2946.5	2948.7	2944.3	2944.3	2948.7	2955.3	2953.1	2957.5	2957.5	2955.3	2955.3
7.5°	2944.3	2948.7	2944.3	2946.5	2953.1	2966.2	2966.2	2966.2	2970.6	2975.0	2975.0
10°	2942.2	2946.5	2948.7	2950.9	2959.7	2979.3	2983.7	2985.9	2992.5	2999.0	2999.0
12.5°	2931.2	2935.6	2942.2	2950.9	2966.2	2992.5	3001.2	3007.8	3018.7	3025.3	3029.7
15°	2915.9	2918.1	2933.4	2950.9	2975.0	3007.8	3025.3	3036.2	3051.5	3060.3	3066.8
17.5°	2894.0	2896.2	2920.3	2946.5	2981.5	3027.5	3055.9	3073.4	3088.7	3101.8	3110.6
20°	2865.6	2872.2	2900.6	2942.2	2992.5	3047.2	3088.7	3119.3	3134.6	3147.8	3160.9
22.5°	2830.6	2837.2	2872.2	2931.2	3003.4	3073.4	3128.1	3167.5	3187.1	3204.6	3220.0
25°	2778.1	2786.8	2828.4	2905.0	3007.8	3101.8	3171.8	3222.1	3239.6	3261.5	3274.6
27.5°	2697.2	2703.7	2754.0	2852.5	2994.7	3132.5	3222.1	3281.2	3300.9	3325.0	3338.1
30°	2570.3	2583.4	2644.7	2767.2	2961.8	3156.5	3281.2	3340.3	3364.3	3388.4	3405.9
32.5°	2406.2	2425.9	2493.7	2651.2	2898.4	3165.3	3344.6	3412.5	3443.1	3469.3	3491.2
35°	2202.8	2222.5	2303.4	2502.5	2797.8	3147.8	3408.1	3495.6	3532.8	3567.8	3594.0
37.5°	1970.9	1988.4	2086.8	2314.3	2653.4	3093.1	3458.4	3587.5	3637.8	3683.7	3718.7
40°	1736.9	1756.5	1863.7	2106.5	2478.4	2988.1	3480.3	3688.1	3751.5	3810.6	3854.3
42.5°	1483.1	1507.2	1627.5	1885.6	2275.0	2843.7	3462.8	3786.5	3865.3	3946.2	4011.8
45°	1257.8	1262.2	1393.4	1642.8	2051.8	2657.8	3401.5	3880.6	3987.8	4101.5	4195.6
47.5°	1041.2	1050.0	1163.7	1410.9	1820.0	2447.8	3290.0	3955.0	4125.6	4272.1	4409.9
50°	848.7	859.7	962.5	1183.4	1588.1	2218.1	3139.0	3998.7	4243.7	4442.8	4635.3
52.5°	691.2	704.4	789.7	984.4	1354.0	1977.5	2953.1	4005.3	4350.9	4613.4	4869.3
55°	575.3	584.1	649.7	805.0	1128.7	1728.1	2740.9	3972.5	4420.9	4766.5	5107.8
57.5°	485.6	494.4	540.3	662.8	925.3	1472.2	2482.8	3895.9	4458.1	4899.9	5348.4
60°	422.2	428.7	461.6	549.1	761.2	1231.5	2205.0	3760.3	4447.1	4983.1	5547.4
62.5°	376.2	378.4	406.9	468.1	627.8	1004.1	1892.2	3556.8	4357.4	4994.0	5683.1
65°	334.7	336.9	354.4	398.1	516.2	807.2	1566.2	3276.8	4186.8	4917.4	5702.7
67.5°	271.2	275.6	301.9	334.7	424.4	638.7	1233.7	2909.3	3920.0	4718.4	5591.2
70°	216.6	218.7	245.0	282.2	345.6	503.1	947.2	2415.0	3502.1	4394.6	5302.4
72.5°	161.9	166.2	190.3	227.5	282.2	389.4	684.7	1826.5	2800.0	3705.6	4617.8
75°	129.1	131.2	140.0	175.0	218.7	295.3	461.6	1106.9	1686.5	2292.5	2830.6
77.5°	109.4	111.6	111.6	135.6	161.9	199.1	245.0	439.7	713.1	1015.0	1345.3
80°	89.7	94.1	85.3	100.6	115.9	115.9	113.7	210.0	336.9	476.9	625.6
82.5°	65.6	70.0	65.6	70.0	70.0	63.4	59.1	78.7	107.2	146.6	159.7
85°	45.9	48.1	52.5	48.1	45.9	37.2	28.4	21.9	13.1	15.3	21.9
87.5°	30.6	37.2	43.7	41.6	35.0	28.4	19.7	13.1	6.6	8.7	8.7
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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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	2944.3	2944.3	2944.3
2.5°	2946.5	2944.3	2942.2
5°	2957.5	2955.3	2953.1
7.5°	2972.8	2972.8	2972.8
10°	2996.8	3001.2	3001.2
12.5°	3027.5	3031.8	3031.8
15°	3064.7	3066.8	3071.2
17.5°	3110.6	3112.8	3112.8
20°	3165.3	3163.1	3167.5
22.5°	3220.0	3220.0	3220.0
25°	3276.8	3276.8	3276.8
27.5°	3342.5	3342.5	3338.1
30°	3414.6	3414.6	3414.6
32.5°	3502.1	3504.3	3506.5
35°	3613.7	3618.1	3624.6
37.5°	3740.6	3751.5	3758.1
40°	3891.5	3895.9	3906.8
42.5°	4060.0	4073.1	4075.3
45°	4269.9	4291.8	4300.6
47.5°	4517.1	4547.8	4563.1
50°	4792.8	4827.8	4849.6
52.5°	5092.4	5149.3	5175.6
55°	5411.8	5510.2	5538.7
57.5°	5772.7	5906.2	5945.6
60°	6127.1	6315.2	6378.7
62.5°	6429.0	6693.7	6772.4
65°	6641.2	6960.5	7076.5
67.5°	6684.9	7063.4	7201.2
70°	6422.4	6809.6	6969.3
72.5°	5584.6	5934.6	6133.7
75°	3298.7	3550.3	3489.0
77.5°	1655.9	1728.1	1739.0
80°	726.2	770.0	787.5
82.5°	179.4	183.7	207.8
85°	24.1	28.4	26.2
87.5°	8.7	8.7	10.9
90°	0.0	0.0	0.0

(END OF REPORT)