

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: P1212059

Luminaire Tested: **GKO-PB2C-850-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212059
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-850-U-T1
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

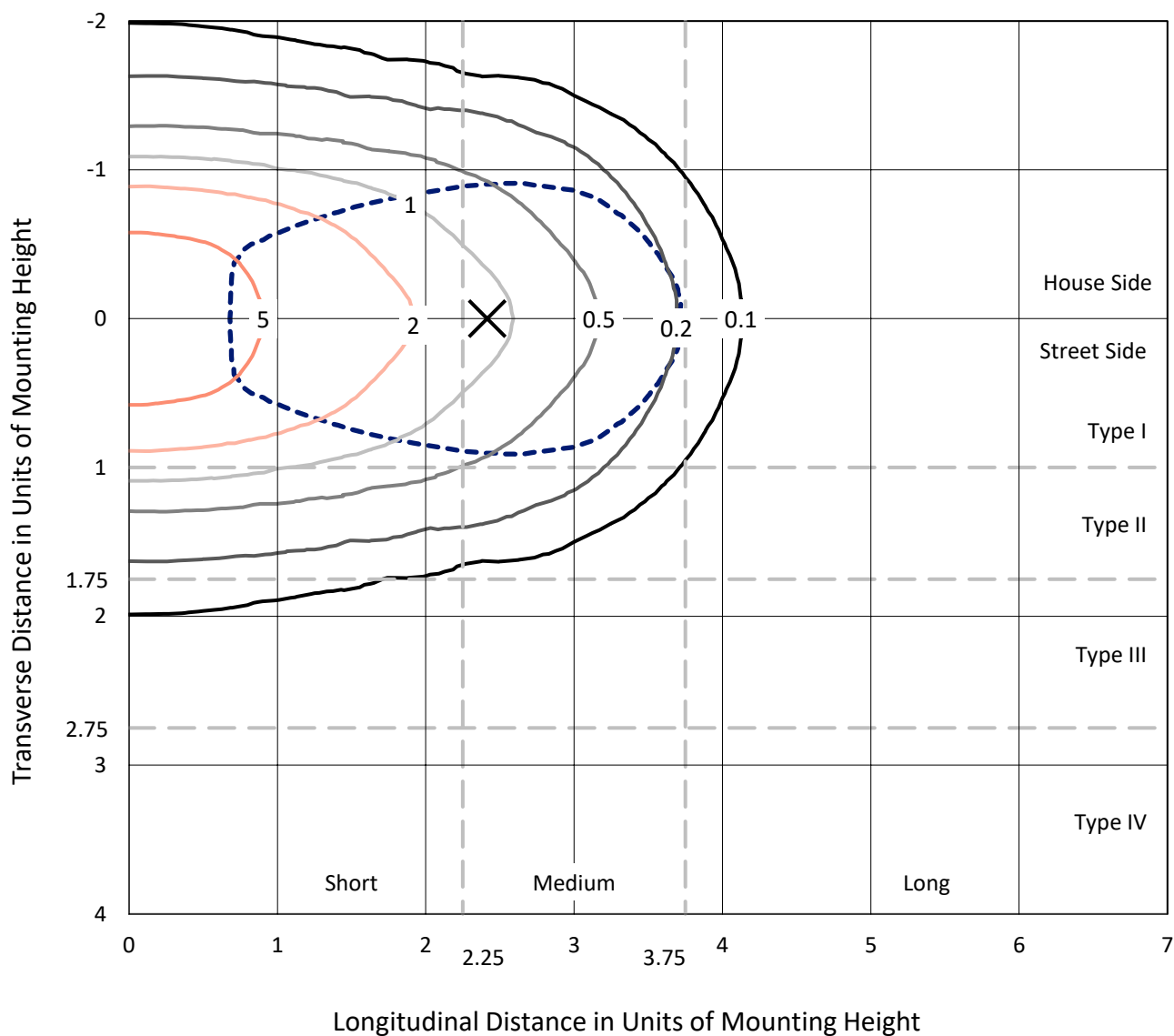
Lumens per Lamp: N/A
Luminaire Lumens: 8061.3 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 58.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 5%
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

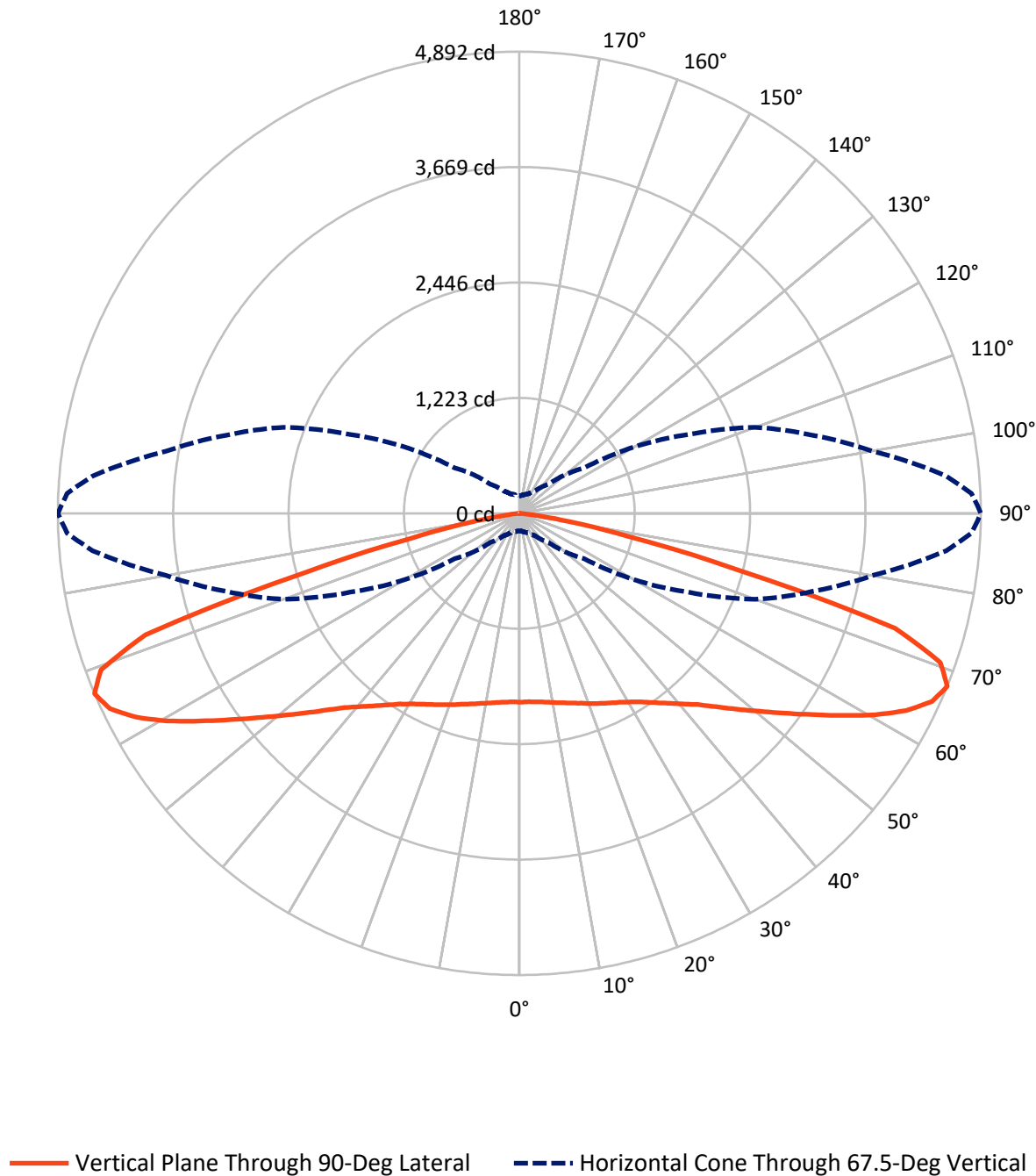
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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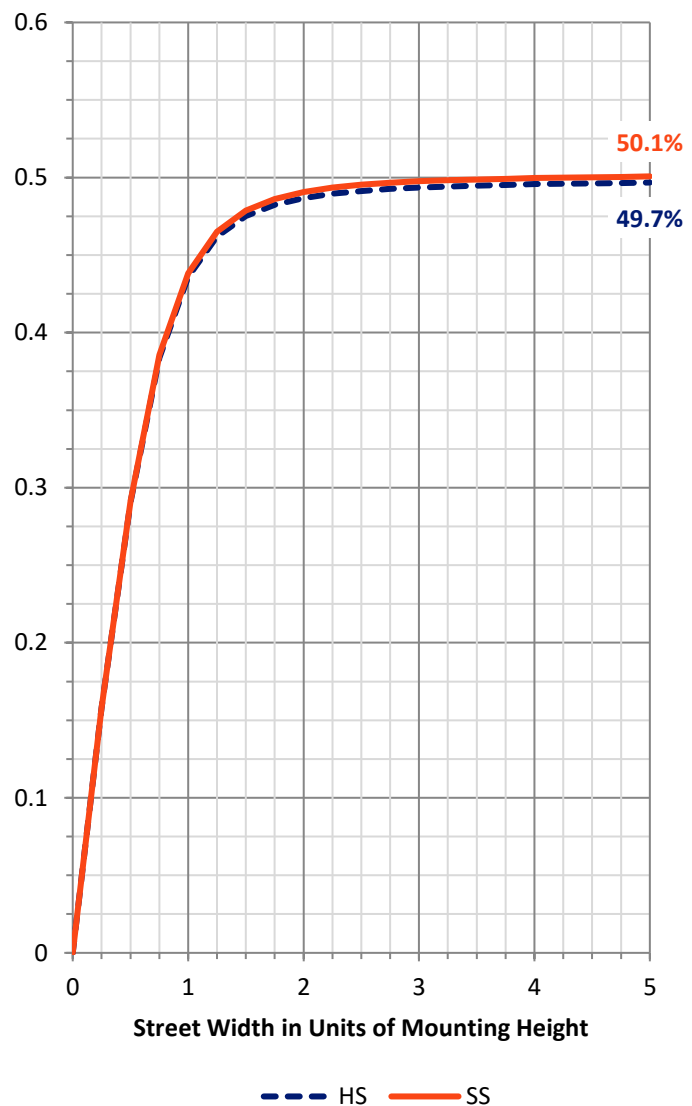
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4030.7	0.0	4030.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4030.7	0.0	4030.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8061.3	0.0	8061.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	2.4
10°-20°	578.1	7.2
20°-30°	961.3	11.9
30°-40°	1277.0	15.8
40°-50°	1439.7	17.9
50°-60°	1480.4	18.4
60°-70°	1399.0	17.4
70°-80°	684.9	8.5
80°-90°	49.0	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°	8061.3	100.0
0°-180°	8061.3	100.0

Coefficient of Utilization



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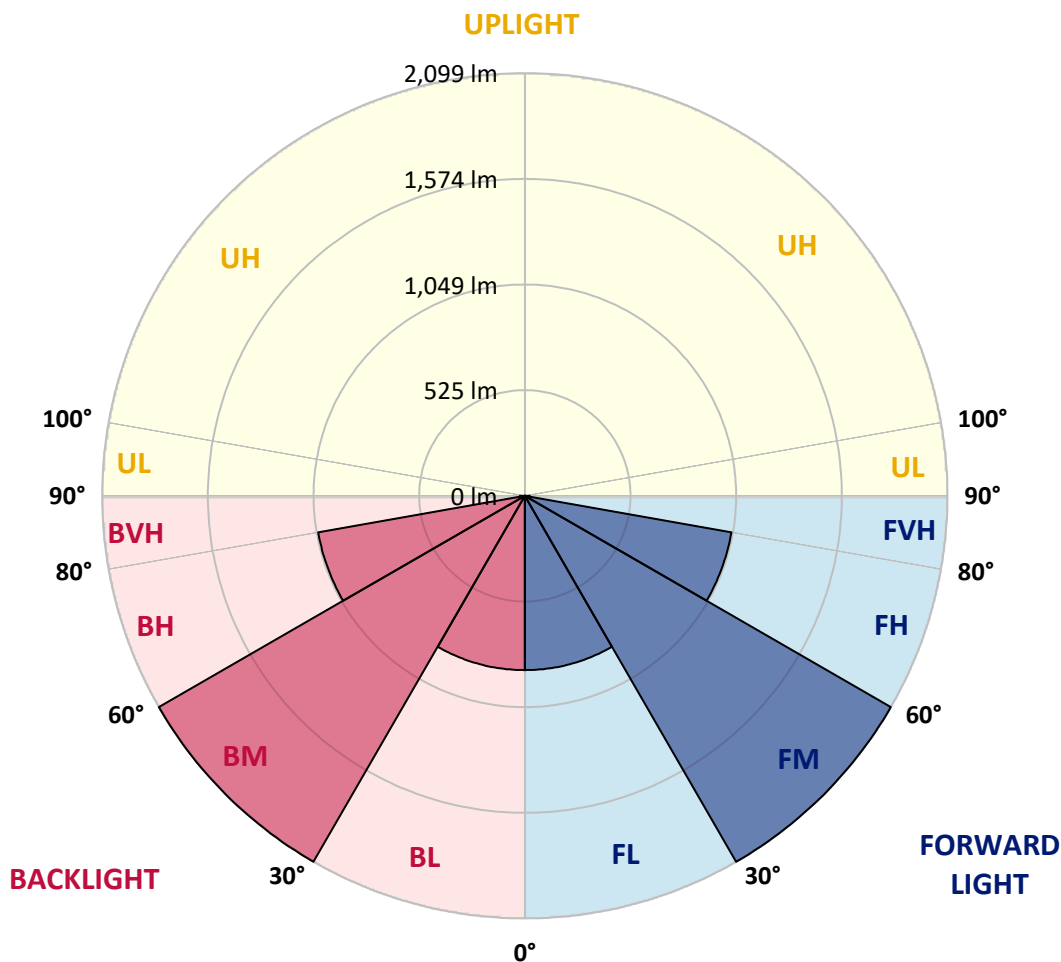
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	865.6	10.7			
FM	(30°-60°)	2098.6	26.0			
FH	(60°-80°)	1042.0	12.9			G1/1800
FVH	(80°-90°)	24.5	0.3			G1/100
BL	(0°-30°)	865.6	10.7	B2/1000		
BM	(30°-60°)	2098.6	26.0	B2/2500		
BH	(60°-80°)	1042.0	12.9	B3/2500		G3/2500
BVH	(80°-90°)	24.5	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°	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3	2000.3
2.5°	2001.8	2004.8	1998.9	1998.9	2001.8	2003.3	2003.3	2004.8	2001.8	2001.8	2000.3
5°	2001.8	2003.3	2000.3	2000.3	2003.3	2007.8	2006.3	2009.3	2009.3	2007.8	2007.8
7.5°	2000.3	2003.3	2000.3	2001.8	2006.3	2015.2	2015.2	2015.2	2018.2	2021.2	2021.2
10°	1998.9	2001.8	2003.3	2004.8	2010.7	2024.1	2027.1	2028.6	2033.0	2037.5	2037.5
12.5°	1991.4	1994.4	1998.9	2004.8	2015.2	2033.0	2039.0	2043.4	2050.9	2055.3	2058.3
15°	1981.0	1982.5	1992.9	2004.8	2021.2	2043.4	2055.3	2062.8	2073.2	2079.1	2083.6
17.5°	1966.2	1967.7	1984.0	2001.8	2025.6	2056.8	2076.1	2088.0	2098.4	2107.3	2113.3
20°	1946.8	1951.3	1970.6	1998.9	2033.0	2070.2	2098.4	2119.2	2129.6	2138.6	2147.5
22.5°	1923.1	1927.5	1951.3	1991.4	2040.5	2088.0	2125.2	2151.9	2165.3	2177.2	2187.6
25°	1887.4	1893.3	1921.6	1973.6	2043.4	2107.3	2154.9	2189.1	2201.0	2215.8	2224.8
27.5°	1832.4	1836.9	1871.1	1937.9	2034.5	2128.2	2189.1	2229.2	2242.6	2258.9	2267.9
30°	1746.2	1755.1	1796.7	1880.0	2012.2	2144.5	2229.2	2269.3	2285.7	2302.0	2313.9
32.5°	1634.8	1648.1	1694.2	1801.2	1969.1	2150.4	2272.3	2318.4	2339.2	2357.0	2371.9
35°	1496.5	1509.9	1564.9	1700.1	1900.8	2138.6	2315.4	2374.9	2400.1	2423.9	2441.7
37.5°	1339.0	1350.9	1417.8	1572.3	1802.7	2101.4	2349.6	2437.3	2471.5	2502.7	2526.4
40°	1180.0	1193.4	1266.2	1431.2	1683.8	2030.1	2364.4	2505.6	2548.7	2588.9	2618.6
42.5°	1007.6	1024.0	1105.7	1281.1	1545.6	1932.0	2352.6	2572.5	2626.0	2681.0	2725.6
45°	854.5	857.5	946.7	1116.1	1394.0	1805.7	2310.9	2636.4	2709.2	2786.5	2850.4
47.5°	707.4	713.3	790.6	958.6	1236.5	1663.0	2235.2	2686.9	2802.9	2902.4	2996.1
50°	576.6	584.1	653.9	804.0	1078.9	1506.9	2132.6	2716.7	2883.1	3018.4	3149.1
52.5°	469.6	478.5	536.5	668.8	919.9	1343.5	2006.3	2721.1	2955.9	3134.3	3308.1
55°	390.9	396.8	441.4	546.9	766.8	1174.1	1862.1	2698.8	3003.5	3238.3	3470.1
57.5°	329.9	335.9	367.1	450.3	628.6	1000.2	1686.8	2646.8	3028.8	3329.0	3633.6
60°	286.8	291.3	313.6	373.0	517.2	836.7	1498.0	2554.7	3021.3	3385.4	3768.9
62.5°	255.6	257.1	276.4	318.0	426.5	682.1	1285.5	2416.5	2960.4	3392.9	3861.0
65°	227.4	228.9	240.8	270.5	350.7	548.4	1064.1	2226.2	2844.5	3340.8	3874.4
67.5°	184.3	187.3	205.1	227.4	288.3	434.0	838.2	1976.6	2663.2	3205.6	3798.6
70°	147.1	148.6	166.4	191.7	234.8	341.8	643.5	1640.7	2379.3	2985.7	3602.4
72.5°	110.0	112.9	129.3	154.6	191.7	264.5	465.2	1240.9	1902.3	2517.5	3137.2
75°	87.7	89.2	95.1	118.9	148.6	200.6	313.6	752.0	1145.8	1557.5	1923.1
77.5°	74.3	75.8	75.8	92.1	110.0	135.2	166.4	298.7	484.5	689.6	914.0
80°	60.9	63.9	58.0	68.4	78.8	78.8	77.3	142.7	228.9	324.0	425.0
82.5°	44.6	47.6	44.6	47.6	47.6	43.1	40.1	53.5	72.8	99.6	108.5
85°	31.2	32.7	35.7	32.7	31.2	25.3	19.3	14.9	8.9	10.4	14.9
87.5°	20.8	25.3	29.7	28.2	23.8	19.3	13.4	8.9	4.5	5.9	5.9
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°	2000.3	2000.3	2000.3
2.5°	2001.8	2000.3	1998.9
5°	2009.3	2007.8	2006.3
7.5°	2019.7	2019.7	2019.7
10°	2036.0	2039.0	2039.0
12.5°	2056.8	2059.8	2059.8
15°	2082.1	2083.6	2086.5
17.5°	2113.3	2114.8	2114.8
20°	2150.4	2149.0	2151.9
22.5°	2187.6	2187.6	2187.6
25°	2226.2	2226.2	2226.2
27.5°	2270.8	2270.8	2267.9
30°	2319.9	2319.9	2319.9
32.5°	2379.3	2380.8	2382.3
35°	2455.1	2458.1	2462.5
37.5°	2541.3	2548.7	2553.2
40°	2643.8	2646.8	2654.2
42.5°	2758.3	2767.2	2768.7
45°	2900.9	2915.8	2921.8
47.5°	3068.9	3089.7	3100.1
50°	3256.1	3279.9	3294.8
52.5°	3459.7	3498.4	3516.2
55°	3676.7	3743.6	3762.9
57.5°	3921.9	4012.6	4039.3
60°	4162.7	4290.5	4333.6
62.5°	4367.8	4547.6	4601.1
65°	4511.9	4728.9	4807.7
67.5°	4541.6	4798.7	4892.4
70°	4363.3	4626.4	4734.8
72.5°	3794.1	4031.9	4167.1
75°	2241.1	2412.0	2370.4
77.5°	1125.0	1174.1	1181.5
80°	493.4	523.1	535.0
82.5°	121.9	124.8	141.2
85°	16.3	19.3	17.8
87.5°	5.9	5.9	7.4
90°	0.0	0.0	0.0

(END OF REPORT)