

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: P1212030

Luminaire Tested: **GKO-PB2B-830-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212030
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-830-U-T1
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

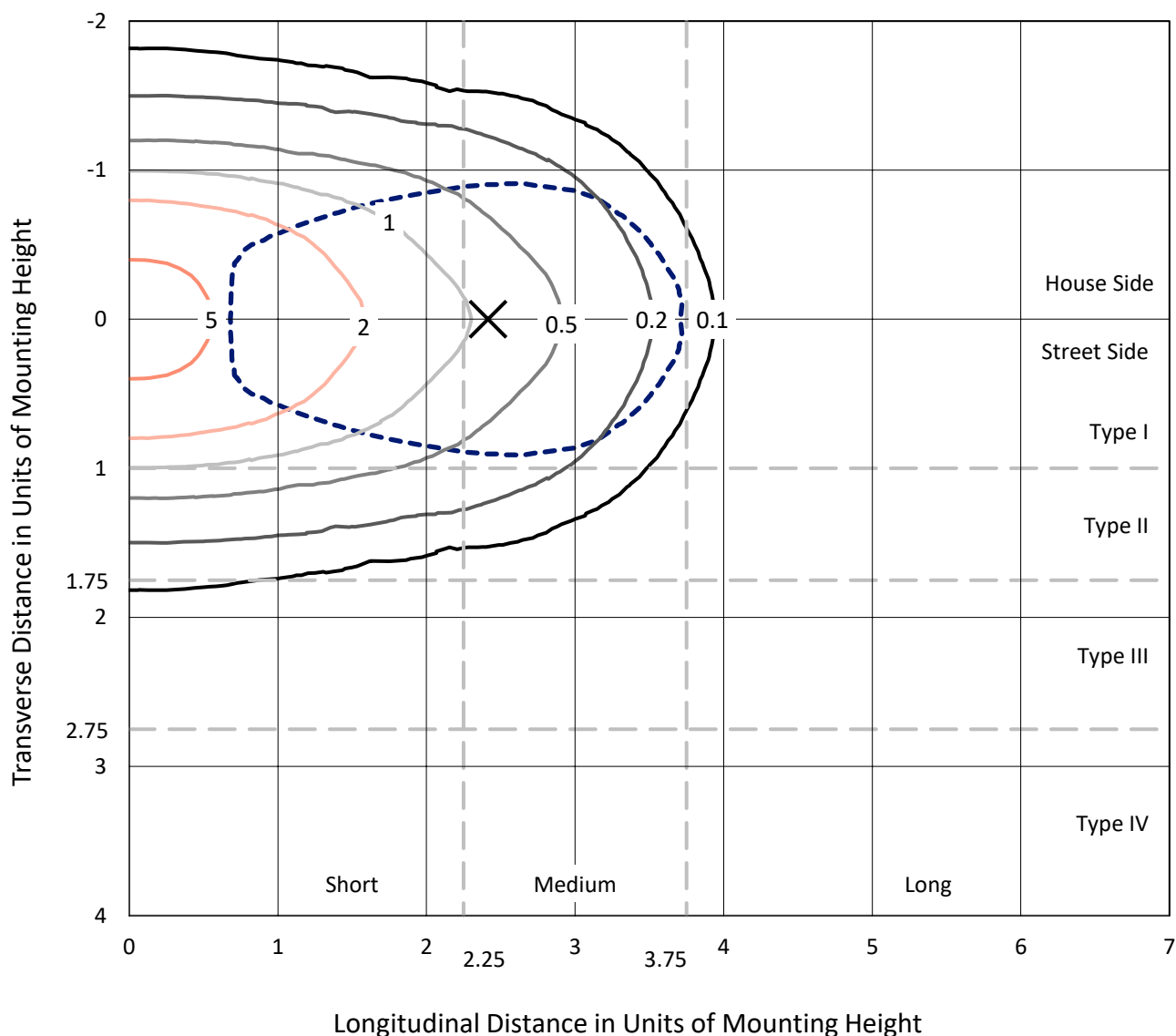
Lumens per Lamp: N/A
Luminaire Lumens: 5887.4 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
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

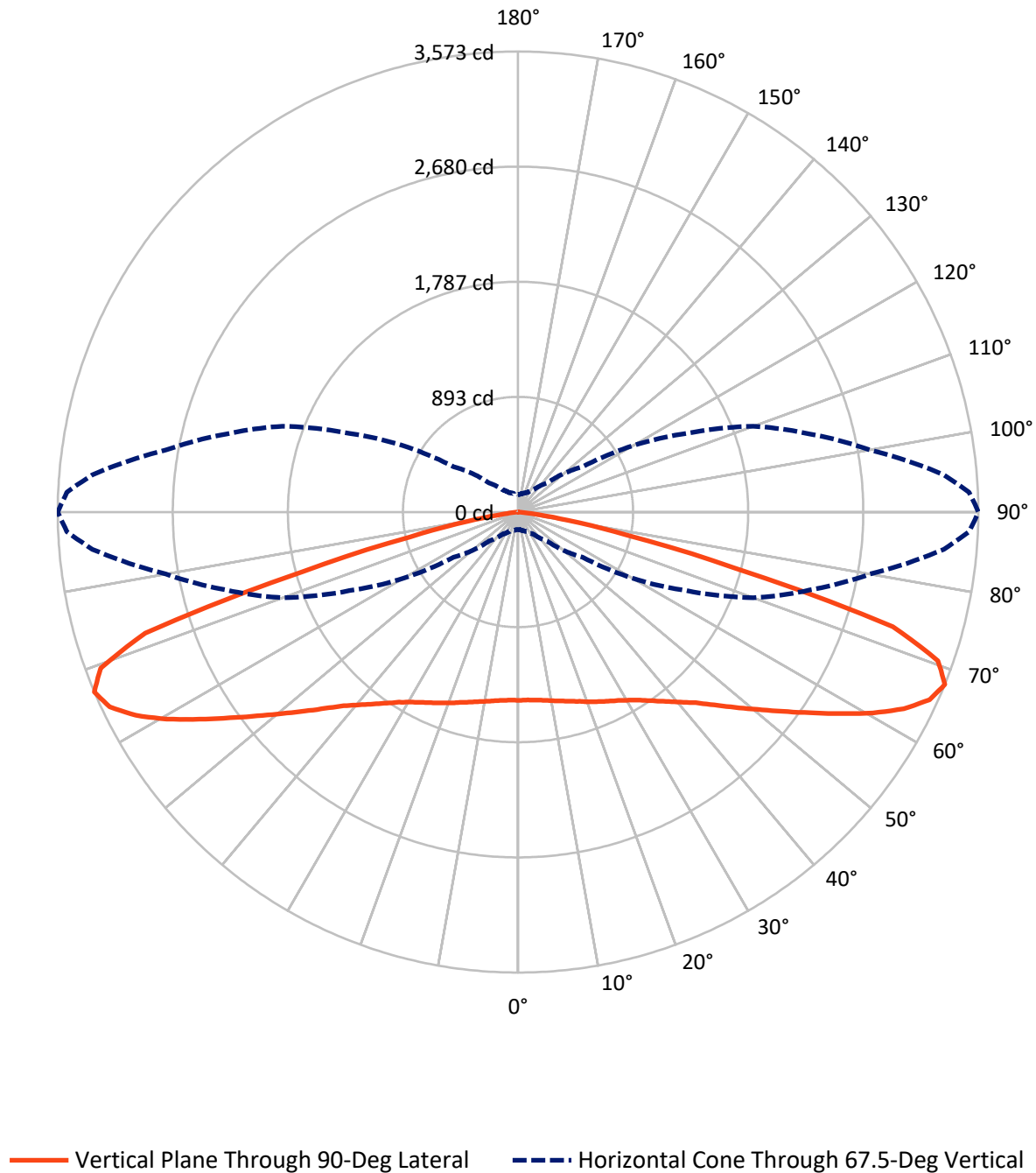
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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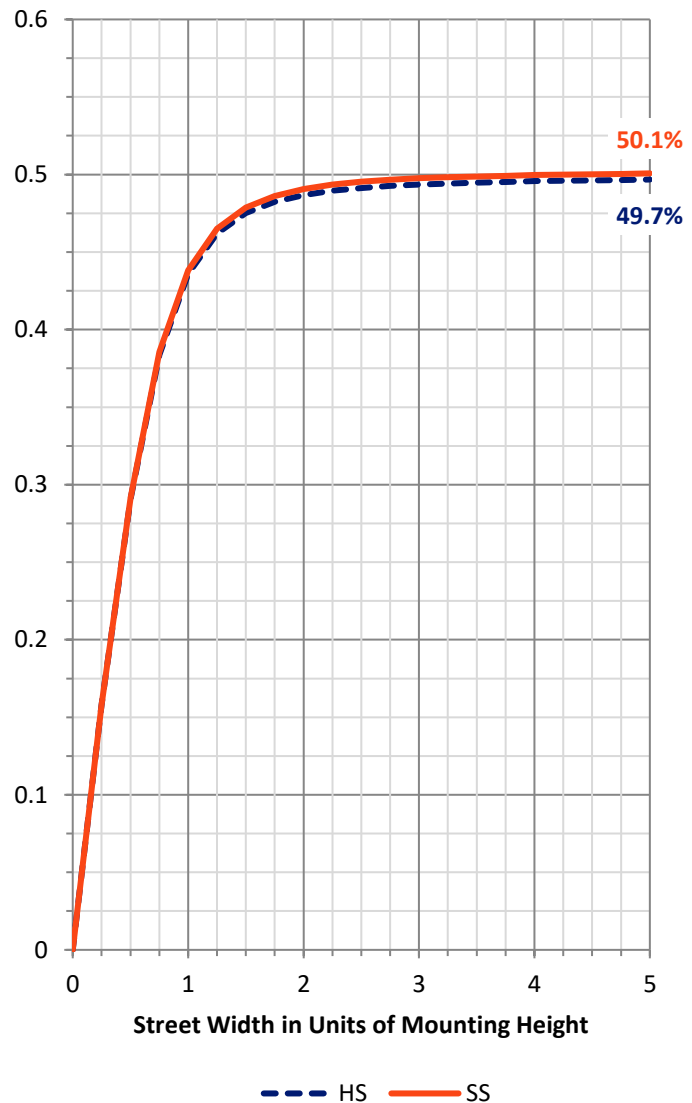
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2943.7	0.0	2943.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2943.7	0.0	2943.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5887.4	0.0	5887.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	2.4
10°-20°	422.2	7.2
20°-30°	702.1	11.9
30°-40°	932.6	15.8
40°-50°	1051.4	17.9
50°-60°	1081.2	18.4
60°-70°	1021.7	17.4
70°-80°	500.2	8.5
80°-90°	35.8	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°	5887.4	100.0
0°-180°	5887.4	100.0

Coefficient of Utilization



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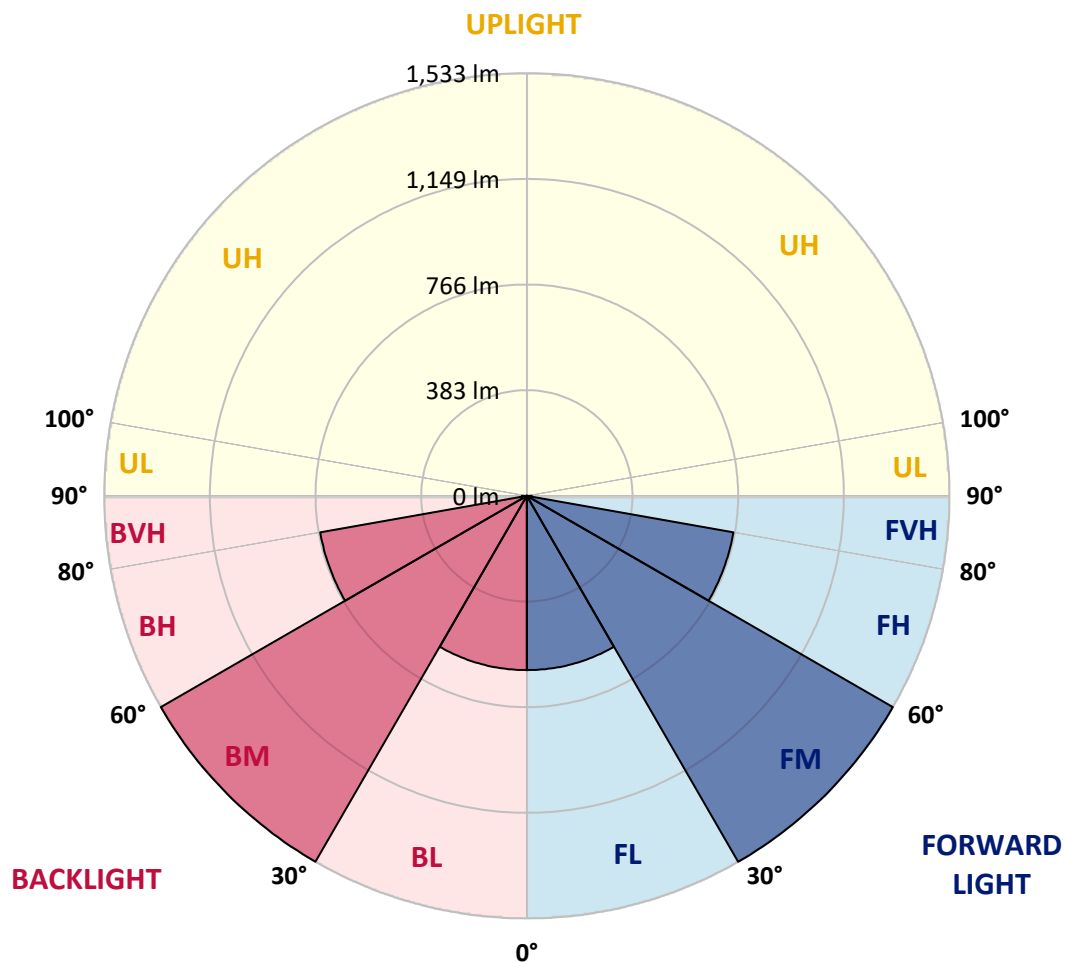
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	632.2	10.7			
FM	(30°-60°)	1532.6	26.0			
FH	(60°-80°)	761.0	12.9			G1/1800
FVH	(80°-90°)	17.9	0.3			G1/100
BL	(0°-30°)	632.2	10.7	B2/1000		
BM	(30°-60°)	1532.6	26.0	B2/2500		
BH	(60°-80°)	761.0	12.9	B2/1000		G2/1000
BVH	(80°-90°)	17.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9
2.5°	1462.0	1464.1	1459.8	1459.8	1462.0	1463.1	1463.1	1464.1	1462.0	1462.0	1460.9
5°	1462.0	1463.1	1460.9	1460.9	1463.1	1466.3	1465.2	1467.4	1467.4	1466.3	1466.3
7.5°	1460.9	1463.1	1460.9	1462.0	1465.2	1471.7	1471.7	1471.7	1473.9	1476.1	1476.1
10°	1459.8	1462.0	1463.1	1464.1	1468.5	1478.3	1480.4	1481.5	1484.8	1488.0	1488.0
12.5°	1454.4	1456.6	1459.8	1464.1	1471.7	1484.8	1489.1	1492.4	1497.8	1501.0	1503.2
15°	1446.8	1447.9	1455.5	1464.1	1476.1	1492.4	1501.0	1506.5	1514.1	1518.4	1521.7
17.5°	1435.9	1437.0	1449.0	1462.0	1479.3	1502.1	1516.2	1524.9	1532.5	1539.0	1543.4
20°	1421.8	1425.1	1439.2	1459.8	1484.8	1511.9	1532.5	1547.7	1555.3	1561.8	1568.3
22.5°	1404.5	1407.7	1425.1	1454.4	1490.2	1524.9	1552.1	1571.6	1581.4	1590.0	1597.6
25°	1378.4	1382.7	1403.4	1441.4	1492.4	1539.0	1573.8	1598.7	1607.4	1618.3	1624.8
27.5°	1338.2	1341.5	1366.5	1415.3	1485.9	1554.2	1598.7	1628.0	1637.8	1649.7	1656.3
30°	1275.3	1281.8	1312.2	1373.0	1469.6	1566.2	1628.0	1657.3	1669.3	1681.2	1689.9
32.5°	1193.9	1203.7	1237.3	1315.5	1438.1	1570.5	1659.5	1693.2	1708.4	1721.4	1732.2
35°	1093.0	1102.7	1142.9	1241.6	1388.2	1561.8	1691.0	1734.4	1752.9	1770.2	1783.2
37.5°	977.9	986.6	1035.4	1148.3	1316.5	1534.7	1716.0	1780.0	1805.0	1827.7	1845.1
40°	861.8	871.5	924.7	1045.2	1229.7	1482.6	1726.8	1829.9	1861.4	1890.7	1912.4
42.5°	735.9	747.8	807.5	935.6	1128.8	1411.0	1718.1	1878.8	1917.8	1958.0	1990.5
45°	624.1	626.3	691.4	815.1	1018.1	1318.7	1687.7	1925.4	1978.6	2035.0	2081.7
47.5°	516.6	521.0	577.4	700.1	903.0	1214.5	1632.4	1962.3	2047.0	2119.7	2188.1
50°	421.1	426.5	477.6	587.2	788.0	1100.6	1557.5	1984.0	2105.6	2204.4	2299.9
52.5°	343.0	349.5	391.8	488.4	671.8	981.2	1465.2	1987.3	2158.8	2289.0	2416.0
55°	285.4	289.8	322.4	399.4	560.0	857.4	1360.0	1971.0	2193.5	2365.0	2534.3
57.5°	240.9	245.3	268.1	328.9	459.1	730.4	1231.9	1933.0	2212.0	2431.2	2653.7
60°	209.5	212.7	229.0	272.4	377.7	611.1	1094.0	1865.7	2206.5	2472.4	2752.5
62.5°	186.7	187.8	201.9	232.3	311.5	498.2	938.8	1764.8	2162.0	2477.9	2819.8
65°	166.1	167.1	175.8	197.5	256.1	400.5	777.1	1625.9	2077.4	2439.9	2829.5
67.5°	134.6	136.8	149.8	166.1	210.6	316.9	612.1	1443.5	1945.0	2341.1	2774.2
70°	107.5	108.5	121.6	140.0	171.5	249.6	470.0	1198.2	1737.7	2180.5	2630.9
72.5°	80.3	82.5	94.4	112.9	140.0	193.2	339.7	906.3	1389.3	1838.6	2291.2
75°	64.0	65.1	69.5	86.8	108.5	146.5	229.0	549.2	836.8	1137.5	1404.5
77.5°	54.3	55.4	55.4	67.3	80.3	98.8	121.6	218.2	353.8	503.6	667.5
80°	44.5	46.7	42.3	49.9	57.5	57.5	56.4	104.2	167.1	236.6	310.4
82.5°	32.6	34.7	32.6	34.7	34.7	31.5	29.3	39.1	53.2	72.7	79.2
85°	22.8	23.9	26.0	23.9	22.8	18.5	14.1	10.9	6.5	7.6	10.9
87.5°	15.2	18.5	21.7	20.6	17.4	14.1	9.8	6.5	3.3	4.3	4.3
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):

	85°	87.5°	90°
0°	1460.9	1460.9	1460.9
2.5°	1462.0	1460.9	1459.8
5°	1467.4	1466.3	1465.2
7.5°	1475.0	1475.0	1475.0
10°	1486.9	1489.1	1489.1
12.5°	1502.1	1504.3	1504.3
15°	1520.6	1521.7	1523.8
17.5°	1543.4	1544.5	1544.5
20°	1570.5	1569.4	1571.6
22.5°	1597.6	1597.6	1597.6
25°	1625.9	1625.9	1625.9
27.5°	1658.4	1658.4	1656.3
30°	1694.2	1694.2	1694.2
32.5°	1737.7	1738.7	1739.8
35°	1793.0	1795.2	1798.4
37.5°	1856.0	1861.4	1864.6
40°	1930.9	1933.0	1938.4
42.5°	2014.4	2020.9	2022.0
45°	2118.6	2129.5	2133.8
47.5°	2241.3	2256.5	2264.1
50°	2378.0	2395.4	2406.2
52.5°	2526.7	2554.9	2568.0
55°	2685.2	2734.0	2748.1
57.5°	2864.3	2930.5	2950.0
60°	3040.1	3133.4	3164.9
62.5°	3189.9	3321.2	3360.3
65°	3295.1	3453.6	3511.1
67.5°	3316.9	3504.6	3573.0
70°	3186.6	3378.7	3458.0
72.5°	2770.9	2944.6	3043.3
75°	1636.7	1761.5	1731.1
77.5°	821.6	857.4	862.9
80°	360.3	382.0	390.7
82.5°	89.0	91.2	103.1
85°	11.9	14.1	13.0
87.5°	4.3	4.3	5.4
90°	0.0	0.0	0.0

(END OF REPORT)