

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: P1211758

Luminaire Tested: **GKO-PB1F-830-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211758
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1F-830-U-T1
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

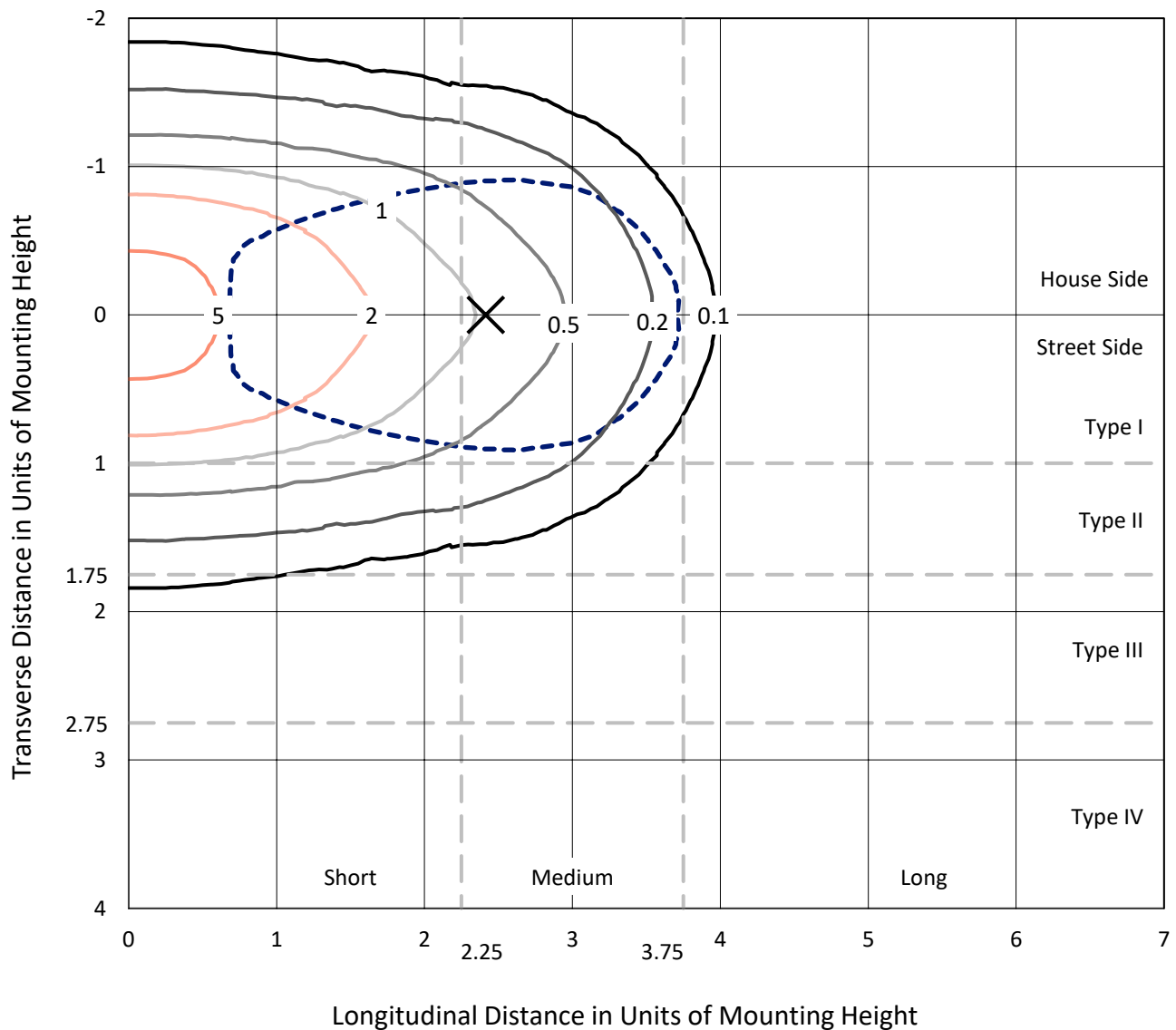
Lumens per Lamp: N/A
Luminaire Lumens: 6171.5 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 54.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.7%
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

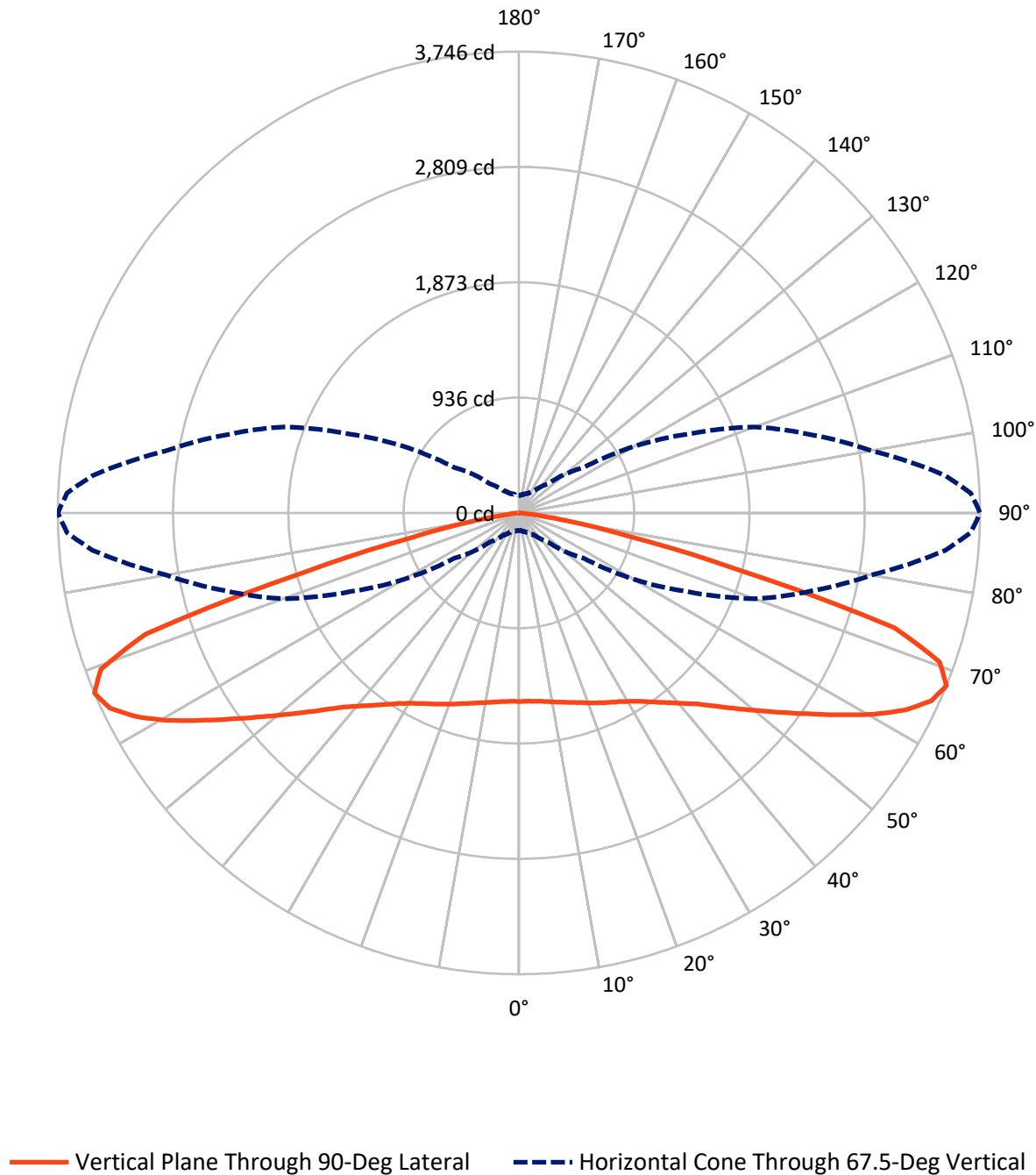
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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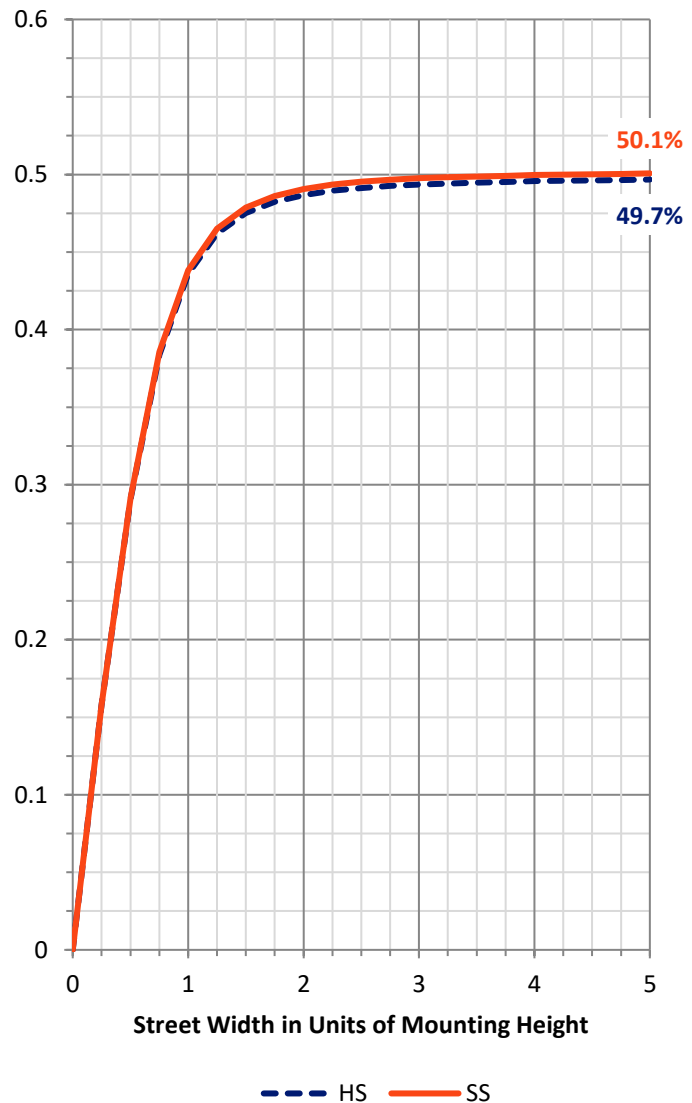
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3085.8	0.0	3085.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3085.8	0.0	3085.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6171.5	0.0	6171.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.4
10°-20°	442.6	7.2
20°-30°	735.9	11.9
30°-40°	977.7	15.8
40°-50°	1102.2	17.9
50°-60°	1133.4	18.4
60°-70°	1071.1	17.4
70°-80°	524.3	8.5
80°-90°	37.5	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°	6171.5	100.0
0°-180°	6171.5	100.0



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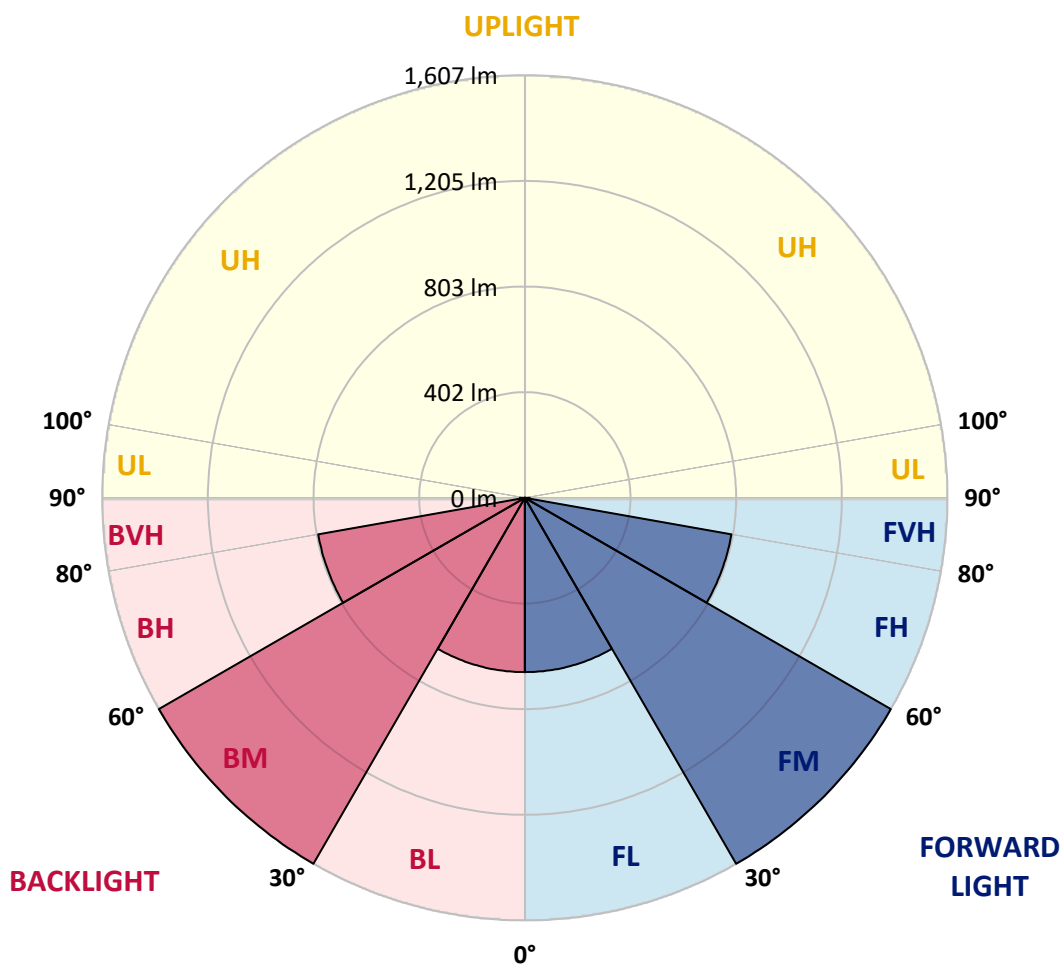
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	662.7	10.7			
FM	(30°-60°)	1606.6	26.0			
FH	(60°-80°)	797.7	12.9			G1/1800
FVH	(80°-90°)	18.7	0.3			G1/100
BL	(0°-30°)	662.7	10.7	B2/1000		
BM	(30°-60°)	1606.6	26.0	B2/2500		
BH	(60°-80°)	797.7	12.9	B2/1000		G2/1000
BVH	(80°-90°)	18.7	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°	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4
2.5°	1532.5	1534.8	1530.3	1530.3	1532.5	1533.7	1533.7	1534.8	1532.5	1532.5	1531.4
5°	1532.5	1533.7	1531.4	1531.4	1533.7	1537.1	1536.0	1538.2	1538.2	1537.1	1537.1
7.5°	1531.4	1533.7	1531.4	1532.5	1536.0	1542.8	1542.8	1542.8	1545.1	1547.3	1547.3
10°	1530.3	1532.5	1533.7	1534.8	1539.4	1549.6	1551.9	1553.0	1556.4	1559.9	1559.9
12.5°	1524.6	1526.9	1530.3	1534.8	1542.8	1556.4	1561.0	1564.4	1570.1	1573.5	1575.8
15°	1516.6	1517.8	1525.7	1534.8	1547.3	1564.4	1573.5	1579.2	1587.2	1591.7	1595.1
17.5°	1505.2	1506.4	1518.9	1532.5	1550.7	1574.6	1589.4	1598.5	1606.5	1613.3	1617.9
20°	1490.4	1493.9	1508.7	1530.3	1556.4	1584.9	1606.5	1622.4	1630.4	1637.2	1644.0
22.5°	1472.2	1475.7	1493.9	1524.6	1562.1	1598.5	1627.0	1647.5	1657.7	1666.8	1674.8
25°	1444.9	1449.5	1471.1	1510.9	1564.4	1613.3	1649.7	1675.9	1685.0	1696.4	1703.2
27.5°	1402.8	1406.3	1432.4	1483.6	1557.6	1629.3	1675.9	1706.6	1716.9	1729.4	1736.2
30°	1336.9	1343.7	1375.5	1439.3	1540.5	1641.8	1706.6	1737.3	1749.9	1762.4	1771.5
32.5°	1251.5	1261.8	1297.0	1378.9	1507.5	1646.3	1739.6	1774.9	1790.8	1804.5	1815.8
35°	1145.7	1156.0	1198.0	1301.6	1455.2	1637.2	1772.6	1818.1	1837.5	1855.7	1869.3
37.5°	1025.1	1034.2	1085.4	1203.7	1380.1	1608.8	1798.8	1865.9	1892.1	1916.0	1934.2
40°	903.4	913.6	969.4	1095.7	1289.1	1554.2	1810.2	1918.2	1951.2	1982.0	2004.7
42.5°	771.4	783.9	846.5	980.7	1183.3	1479.1	1801.1	1969.4	2010.4	2052.5	2086.6
45°	654.2	656.5	724.7	854.4	1067.2	1382.4	1769.2	2018.4	2074.1	2133.3	2182.2
47.5°	541.6	546.1	605.3	733.8	946.6	1273.1	1711.2	2057.0	2145.8	2222.0	2293.7
50°	441.4	447.1	500.6	615.5	826.0	1153.7	1632.7	2079.8	2207.2	2310.8	2410.9
52.5°	359.5	366.4	410.7	512.0	704.3	1028.5	1536.0	2083.2	2263.0	2399.5	2532.6
55°	299.2	303.8	337.9	418.7	587.1	898.8	1425.6	2066.1	2299.4	2479.2	2656.6
57.5°	252.6	257.1	281.0	344.7	481.3	765.7	1291.3	2026.3	2318.7	2548.6	2781.8
60°	219.6	223.0	240.1	285.6	395.9	640.6	1146.8	1955.8	2313.0	2591.8	2885.3
62.5°	195.7	196.8	211.6	243.5	326.5	522.2	984.2	1850.0	2266.4	2597.5	2955.9
65°	174.1	175.2	184.3	207.1	268.5	419.8	814.6	1704.3	2177.6	2557.7	2966.1
67.5°	141.1	143.4	157.0	174.1	220.7	332.2	641.7	1513.2	2038.8	2454.1	2908.1
70°	112.6	113.8	127.4	146.8	179.8	261.7	492.6	1256.1	1821.5	2285.7	2757.9
72.5°	84.2	86.5	99.0	118.3	146.8	202.5	356.1	950.0	1456.3	1927.3	2401.8
75°	67.1	68.3	72.8	91.0	113.8	153.6	240.1	575.7	877.2	1192.4	1472.2
77.5°	56.9	58.0	58.0	70.5	84.2	103.5	127.4	228.7	370.9	527.9	699.7
80°	46.6	48.9	44.4	52.3	60.3	60.3	59.2	109.2	175.2	248.0	325.4
82.5°	34.1	36.4	34.1	36.4	36.4	33.0	30.7	41.0	55.7	76.2	83.1
85°	23.9	25.0	27.3	25.0	23.9	19.3	14.8	11.4	6.8	8.0	11.4
87.5°	15.9	19.3	22.8	21.6	18.2	14.8	10.2	6.8	3.4	4.6	4.6
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):

	85°	87.5°	90°
0°	1531.4	1531.4	1531.4
2.5°	1532.5	1531.4	1530.3
5°	1538.2	1537.1	1536.0
7.5°	1546.2	1546.2	1546.2
10°	1558.7	1561.0	1561.0
12.5°	1574.6	1576.9	1576.9
15°	1594.0	1595.1	1597.4
17.5°	1617.9	1619.0	1619.0
20°	1646.3	1645.2	1647.5
22.5°	1674.8	1674.8	1674.8
25°	1704.3	1704.3	1704.3
27.5°	1738.5	1738.5	1736.2
30°	1776.0	1776.0	1776.0
32.5°	1821.5	1822.7	1823.8
35°	1879.6	1881.8	1885.2
37.5°	1945.5	1951.2	1954.6
40°	2024.1	2026.3	2032.0
42.5°	2111.7	2118.5	2119.6
45°	2220.9	2232.3	2236.8
47.5°	2349.4	2365.4	2373.3
50°	2492.8	2511.0	2522.4
52.5°	2648.7	2678.3	2691.9
55°	2814.8	2866.0	2880.8
57.5°	3002.5	3071.9	3092.4
60°	3186.8	3284.7	3317.7
62.5°	3343.8	3481.5	3522.5
65°	3454.2	3620.3	3680.6
67.5°	3477.0	3673.8	3745.5
70°	3340.4	3541.8	3624.9
72.5°	2904.7	3086.7	3190.2
75°	1715.7	1846.6	1814.7
77.5°	861.3	898.8	904.5
80°	377.7	400.5	409.6
82.5°	93.3	95.6	108.1
85°	12.5	14.8	13.7
87.5°	4.6	4.6	5.7
90°	0.0	0.0	0.0

(END OF REPORT)