

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: P1211757

Luminaire Tested: **GKO-PB1F-827-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211757
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1F-827-U-T1
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

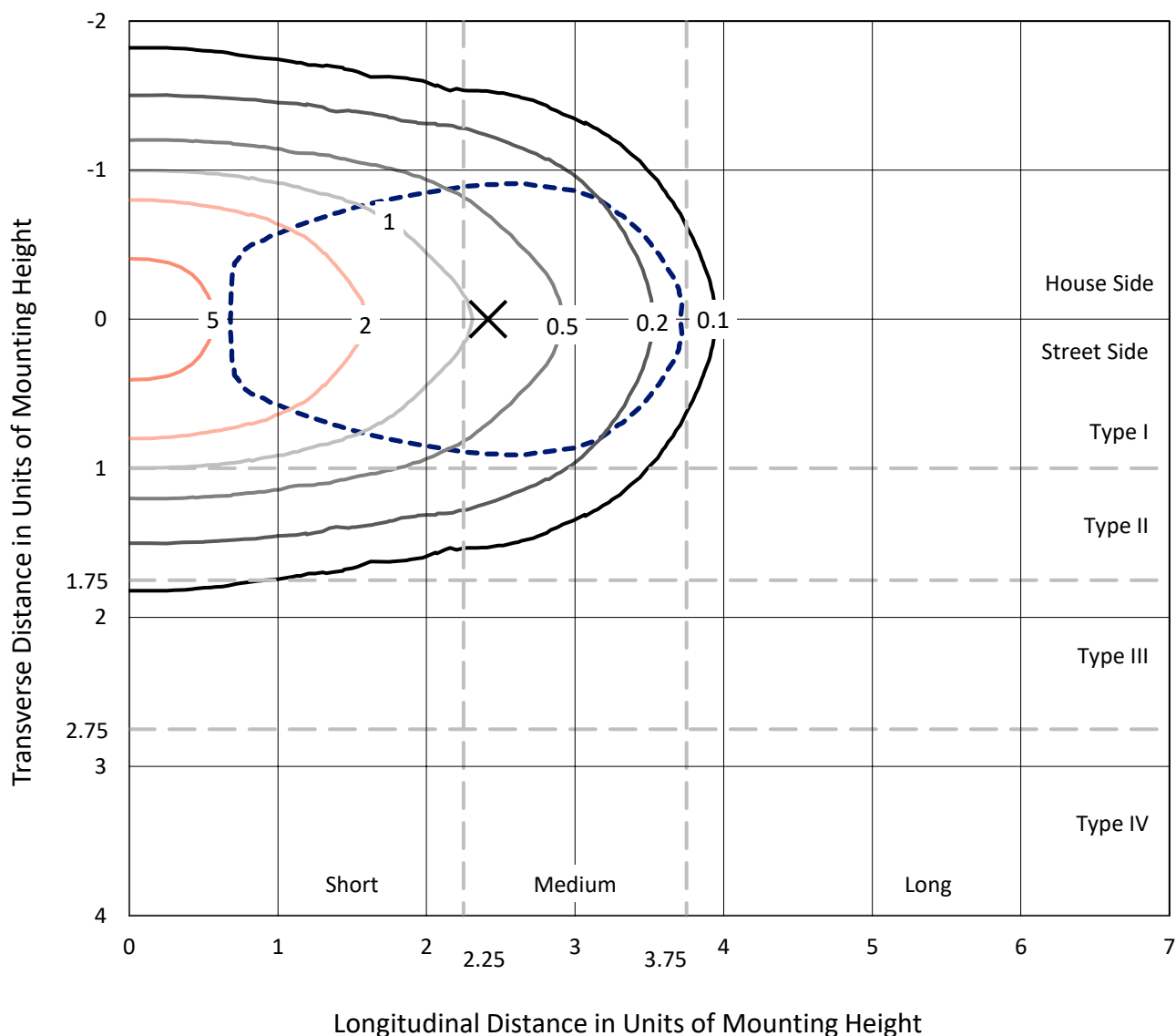
Lumens per Lamp: N/A
Luminaire Lumens: 5940.4 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

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

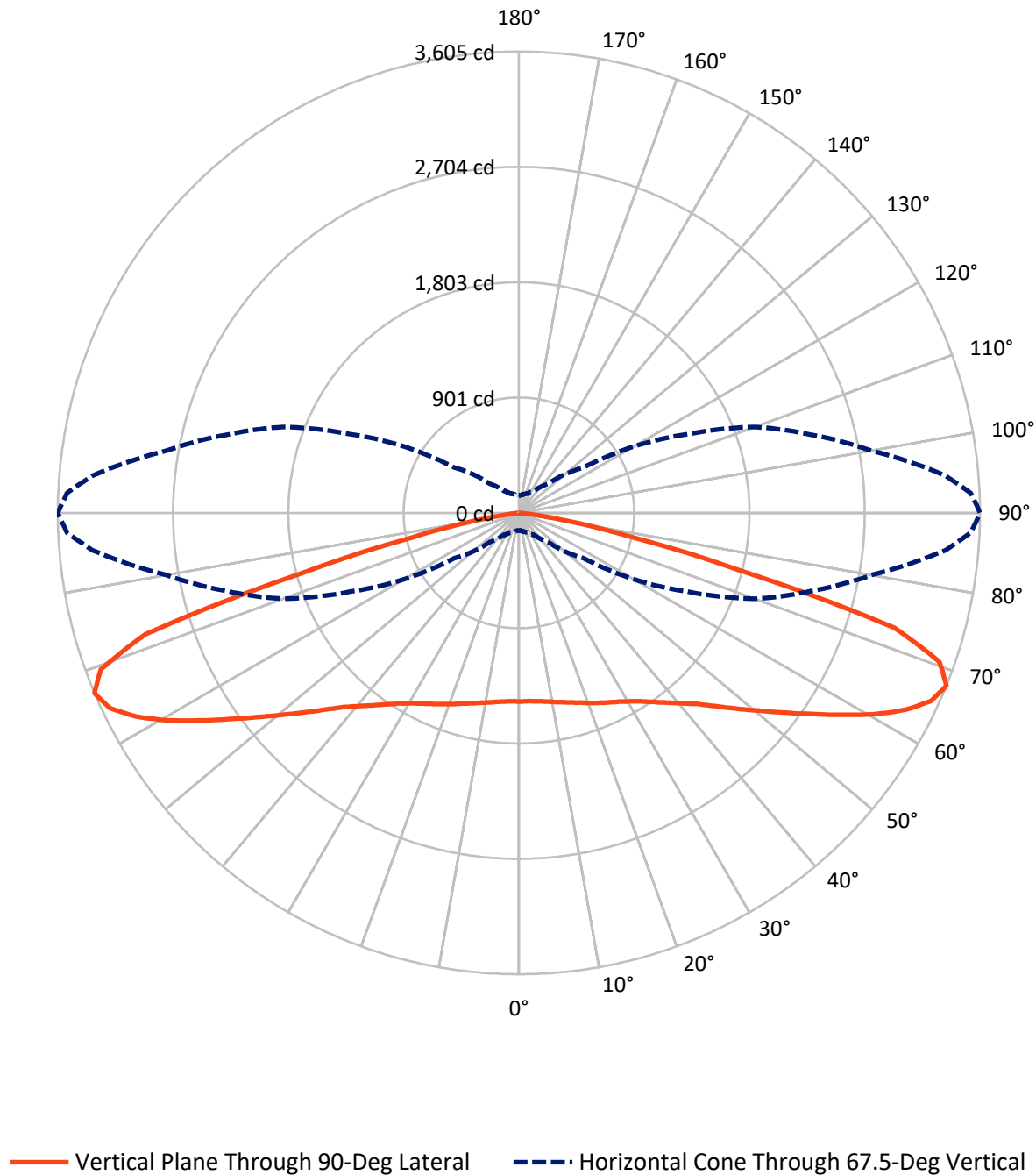
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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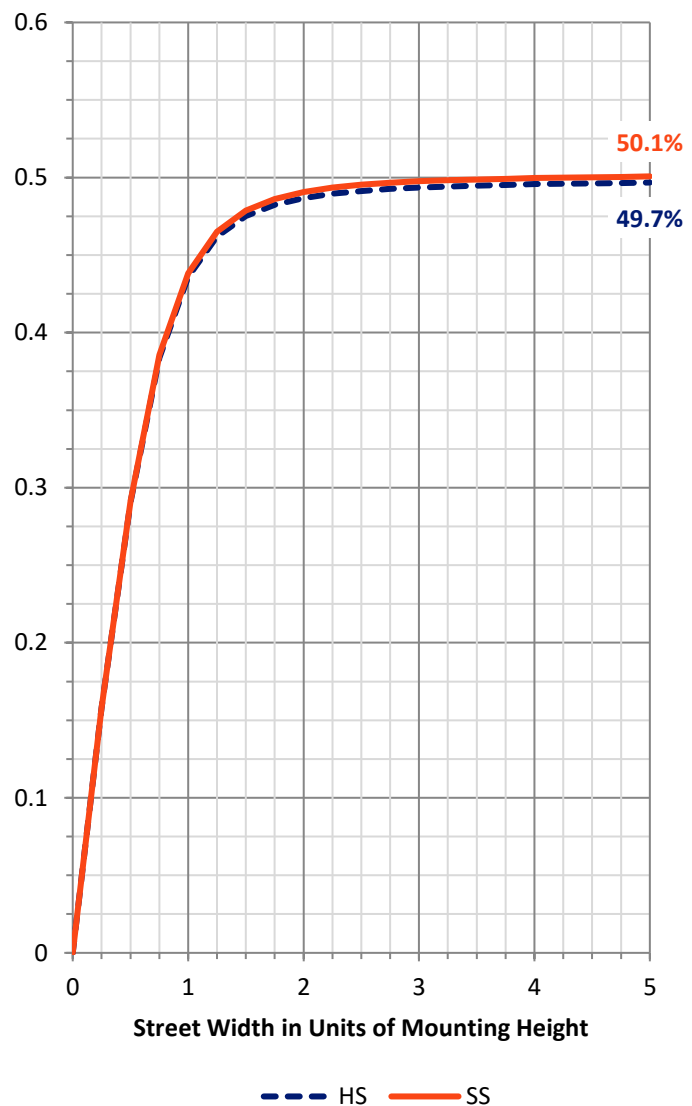
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2970.2	0.0	2970.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2970.2	0.0	2970.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5940.4	0.0	5940.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	2.4
10°-20°	426.0	7.2
20°-30°	708.4	11.9
30°-40°	941.0	15.8
40°-50°	1060.9	17.9
50°-60°	1090.9	18.4
60°-70°	1031.0	17.4
70°-80°	504.7	8.5
80°-90°	36.1	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°	5940.4	100.0
0°-180°	5940.4	100.0

Coefficient of Utilization



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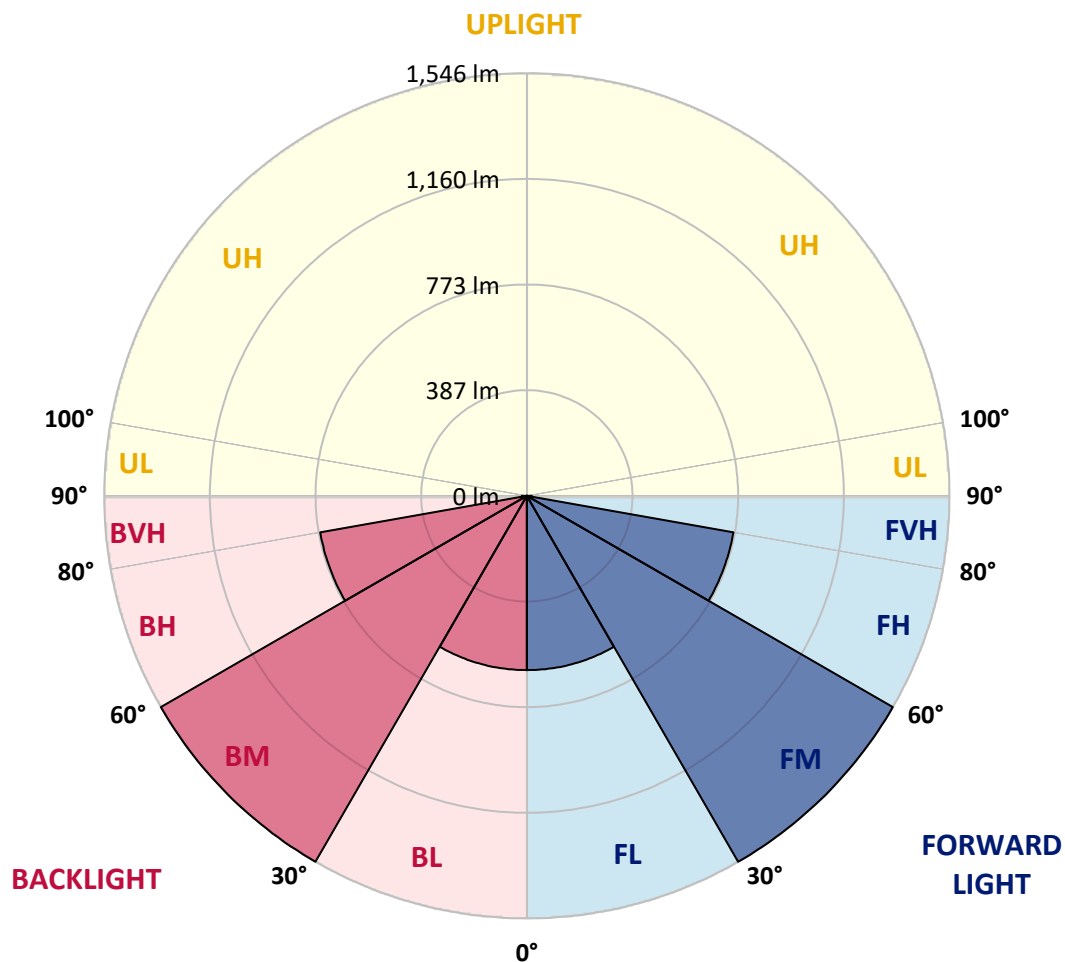
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	637.9	10.7			
FM	(30°-60°)	1546.4	26.0			
FH	(60°-80°)	767.8	12.9			G1/1800
FVH	(80°-90°)	18.0	0.3			G1/100
BL	(0°-30°)	637.9	10.7	B2/1000		
BM	(30°-60°)	1546.4	26.0	B2/2500		
BH	(60°-80°)	767.8	12.9	B2/1000		G2/1000
BVH	(80°-90°)	18.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0	1474.0
2.5°	1475.1	1477.3	1472.9	1472.9	1475.1	1476.2	1476.2	1477.3	1475.1	1475.1	1474.0
5°	1475.1	1476.2	1474.0	1474.0	1476.2	1479.5	1478.4	1480.6	1480.6	1479.5	1479.5
7.5°	1474.0	1476.2	1474.0	1475.1	1478.4	1485.0	1485.0	1485.0	1487.2	1489.4	1489.4
10°	1472.9	1475.1	1476.2	1477.3	1481.7	1491.6	1493.8	1494.9	1498.1	1501.4	1501.4
12.5°	1467.5	1469.7	1472.9	1477.3	1485.0	1498.1	1502.5	1505.8	1511.3	1514.6	1516.8
15°	1459.8	1460.9	1468.6	1477.3	1489.4	1505.8	1514.6	1520.0	1527.7	1532.1	1535.4
17.5°	1448.9	1450.0	1462.0	1475.1	1492.7	1515.7	1529.9	1538.7	1546.3	1552.9	1557.3
20°	1434.6	1437.9	1452.1	1472.9	1498.1	1525.5	1546.3	1561.7	1569.3	1575.9	1582.5
22.5°	1417.1	1420.4	1437.9	1467.5	1503.6	1538.7	1566.0	1585.7	1595.6	1604.4	1612.0
25°	1390.8	1395.2	1416.0	1454.3	1505.8	1552.9	1587.9	1613.1	1621.9	1632.8	1639.4
27.5°	1350.3	1353.6	1378.8	1428.0	1499.2	1568.2	1613.1	1642.7	1652.6	1664.6	1671.2
30°	1286.8	1293.3	1324.0	1385.3	1482.8	1580.3	1642.7	1672.3	1684.3	1696.4	1705.1
32.5°	1204.6	1214.5	1248.4	1327.3	1451.0	1584.7	1674.5	1708.4	1723.7	1736.9	1747.8
35°	1102.8	1112.7	1153.2	1252.8	1400.7	1575.9	1706.2	1750.0	1768.6	1786.2	1799.3
37.5°	986.7	995.5	1044.8	1158.6	1328.4	1548.5	1731.4	1796.0	1821.2	1844.2	1861.7
40°	869.5	879.4	933.1	1054.6	1240.8	1495.9	1742.4	1846.4	1878.1	1907.7	1929.6
42.5°	742.5	754.5	814.8	944.0	1138.9	1423.7	1733.6	1895.7	1935.1	1975.6	2008.5
45°	629.7	631.9	697.6	822.4	1027.2	1330.6	1702.9	1942.8	1996.4	2053.4	2100.5
47.5°	521.3	525.7	582.6	706.4	911.1	1225.5	1647.1	1980.0	2065.4	2138.8	2207.8
50°	424.9	430.4	481.9	592.5	795.1	1110.5	1571.5	2001.9	2124.6	2224.2	2320.6
52.5°	346.1	352.6	395.3	492.8	677.9	990.0	1478.4	2005.2	2178.2	2309.6	2437.8
55°	288.0	292.4	325.3	403.0	565.1	865.2	1372.2	1988.8	2213.3	2386.3	2557.1
57.5°	243.1	247.5	270.5	331.8	463.2	737.0	1243.0	1950.4	2231.9	2453.1	2677.6
60°	211.4	214.6	231.1	274.9	381.1	616.6	1103.9	1882.5	2226.4	2494.7	2777.2
62.5°	188.4	189.5	203.7	234.4	314.3	502.7	947.3	1780.7	2181.5	2500.2	2845.1
65°	167.6	168.7	177.4	199.3	258.5	404.1	784.1	1640.5	2096.1	2461.9	2855.0
67.5°	135.8	138.0	151.1	167.6	212.5	319.8	617.7	1456.5	1962.5	2362.2	2799.2
70°	108.4	109.5	122.7	141.3	173.0	251.9	474.2	1209.0	1753.3	2200.1	2654.6
72.5°	81.0	83.2	95.3	113.9	141.3	194.9	342.8	914.4	1401.8	1855.2	2311.8
75°	64.6	65.7	70.1	87.6	109.5	147.8	231.1	554.1	844.3	1147.7	1417.1
77.5°	54.8	55.9	55.9	67.9	81.0	99.7	122.7	220.1	357.0	508.1	673.5
80°	44.9	47.1	42.7	50.4	58.0	58.0	56.9	105.1	168.7	238.7	313.2
82.5°	32.9	35.0	32.9	35.0	35.0	31.8	29.6	39.4	53.7	73.4	79.9
85°	23.0	24.1	26.3	24.1	23.0	18.6	14.2	11.0	6.6	7.7	11.0
87.5°	15.3	18.6	21.9	20.8	17.5	14.2	9.9	6.6	3.3	4.4	4.4
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):

	85°	87.5°	90°
0°	1474.0	1474.0	1474.0
2.5°	1475.1	1474.0	1472.9
5°	1480.6	1479.5	1478.4
7.5°	1488.3	1488.3	1488.3
10°	1500.3	1502.5	1502.5
12.5°	1515.7	1517.9	1517.9
15°	1534.3	1535.4	1537.6
17.5°	1557.3	1558.4	1558.4
20°	1584.7	1583.6	1585.7
22.5°	1612.0	1612.0	1612.0
25°	1640.5	1640.5	1640.5
27.5°	1673.4	1673.4	1671.2
30°	1709.5	1709.5	1709.5
32.5°	1753.3	1754.4	1755.5
35°	1809.2	1811.3	1814.6
37.5°	1872.7	1878.1	1881.4
40°	1948.2	1950.4	1955.9
42.5°	2032.6	2039.1	2040.2
45°	2137.7	2148.6	2153.0
47.5°	2261.4	2276.8	2284.4
50°	2399.4	2417.0	2427.9
52.5°	2549.5	2577.9	2591.1
55°	2709.4	2758.6	2772.9
57.5°	2890.0	2956.9	2976.6
60°	3067.5	3161.6	3193.4
62.5°	3218.6	3351.1	3390.5
65°	3324.8	3484.7	3542.7
67.5°	3346.7	3536.2	3605.2
70°	3215.3	3409.1	3489.1
72.5°	2795.9	2971.1	3070.7
75°	1651.5	1777.4	1746.7
77.5°	829.0	865.2	870.6
80°	363.6	385.5	394.2
82.5°	89.8	92.0	104.0
85°	12.0	14.2	13.1
87.5°	4.4	4.4	5.5
90°	0.0	0.0	0.0

(END OF REPORT)