

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: P1211879

Luminaire Tested: **GKO-PB2C-850-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211879
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-T3
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

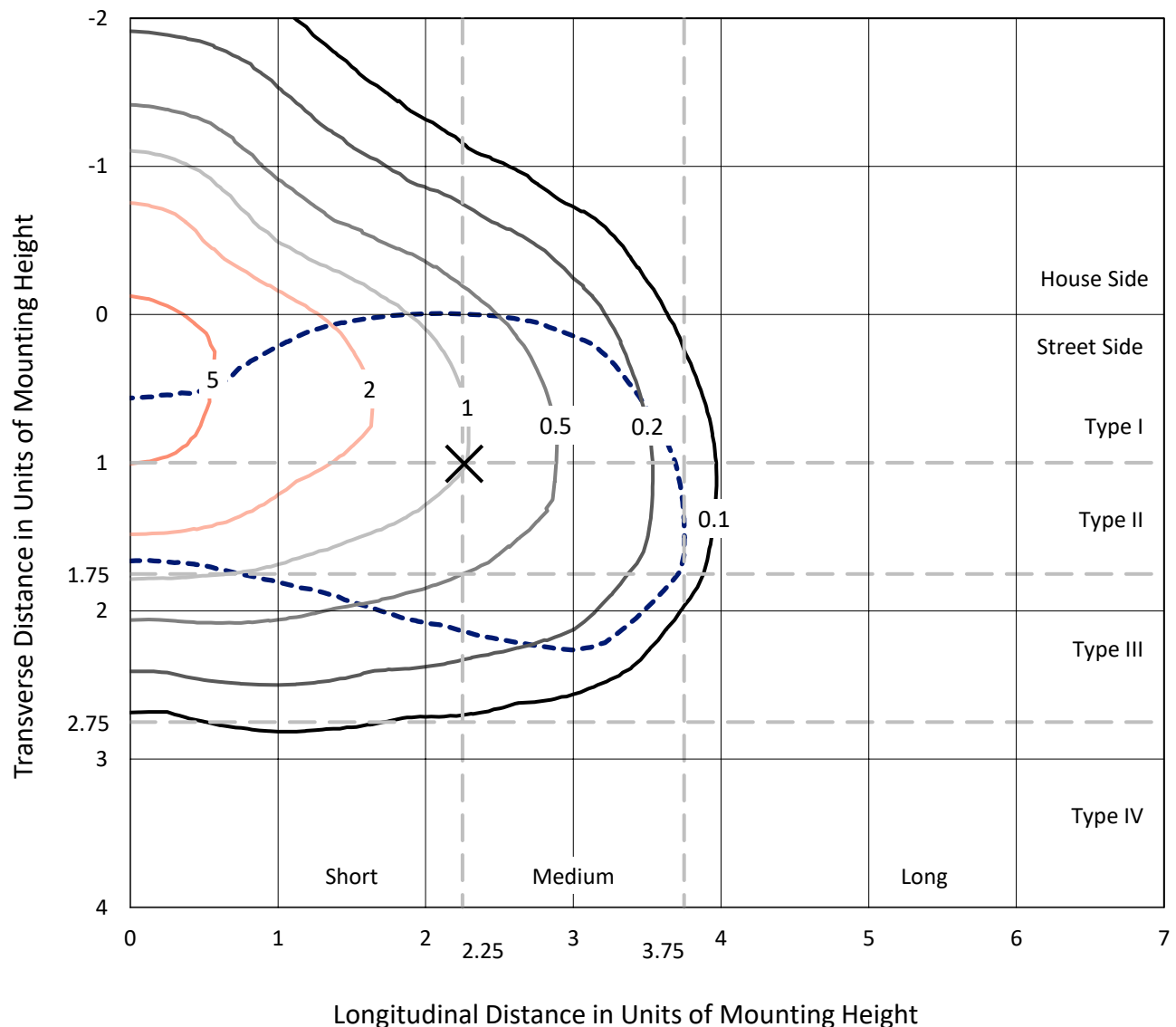
Lumens per Lamp: N/A
Luminaire Lumens: 7653.2 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

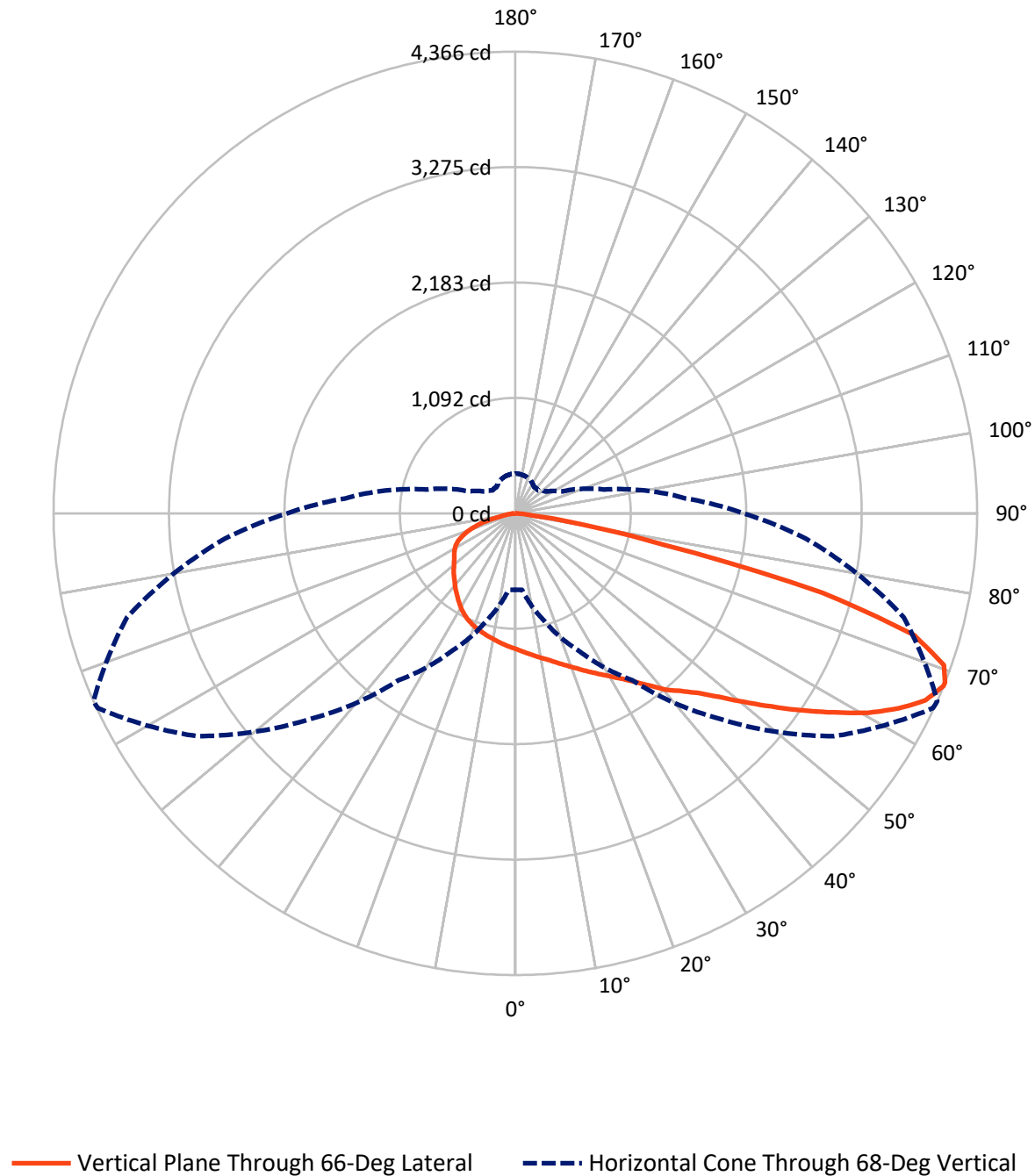
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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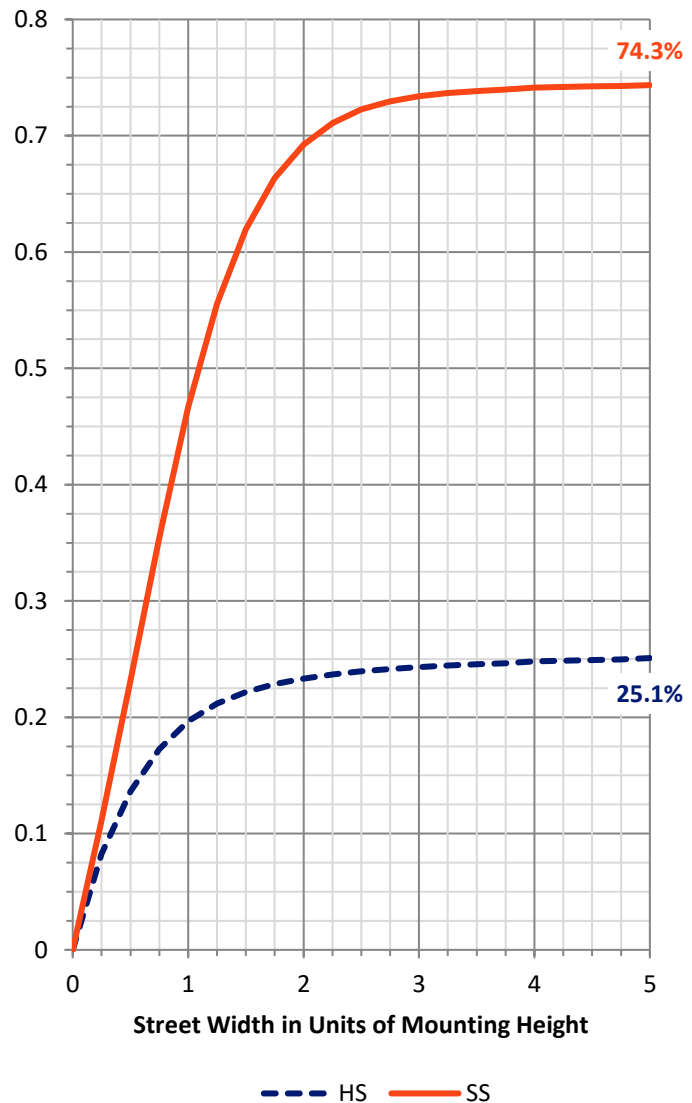
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1959.3	0.0	1959.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	5693.8	0.0	5693.8
	% Fixture	74.4	0.0	74.4
Total	Lumens	7653.2	0.0	7653.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	1.6
10°-20°	370.1	4.8
20°-30°	637.8	8.3
30°-40°	989.4	12.9
40°-50°	1355.4	17.7
50°-60°	1616.9	21.1
60°-70°	1620.2	21.2
70°-80°	857.4	11.2
80°-90°	82.8	1.1
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°	7653.2	100.0
0°-180°	7653.2	100.0



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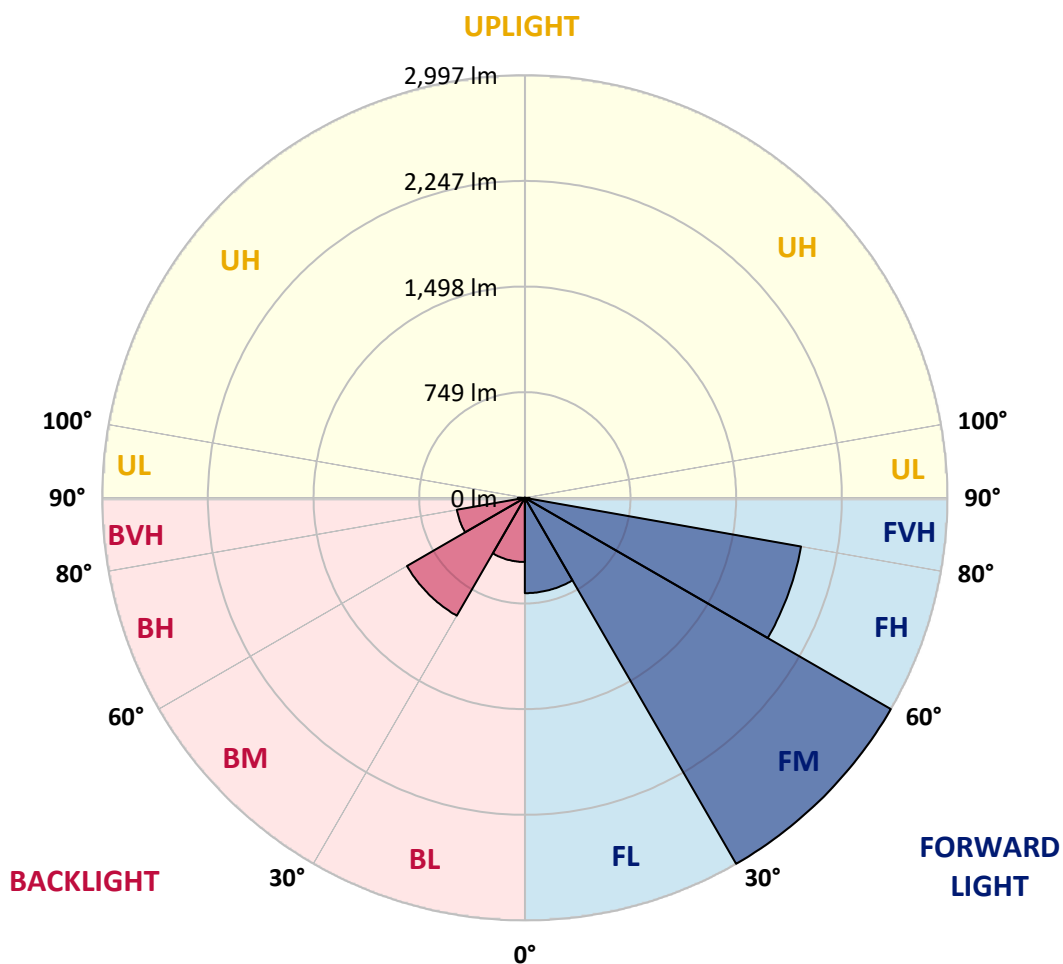
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	676.0	8.8			
FM	(30°-60°)	2996.6	39.2			
FH	(60°-80°)	1988.7	26.0			G2/5000
FVH	(80°-90°)	32.5	0.4			G1/100
BL	(0°-30°)	455.1	5.9	B1/500		
BM	(30°-60°)	965.2	12.6	B1/1000		
BH	(60°-80°)	488.8	6.4	B1/500		G1/500
BVH	(80°-90°)	50.2	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1337.1	1337.1	1334.1	1332.6	1331.1	1322.2	1316.3	1308.9	1308.9	1297.0	1286.6
5°	1383.1	1384.6	1378.7	1378.7	1372.7	1360.9	1349.0	1334.1	1334.1	1316.3	1295.5
7.5°	1423.3	1427.7	1421.8	1421.8	1415.8	1402.5	1383.1	1362.3	1362.3	1337.1	1307.4
10°	1461.9	1464.9	1461.9	1464.9	1455.9	1444.1	1421.8	1393.5	1392.1	1360.9	1319.3
12.5°	1493.1	1496.1	1497.5	1502.0	1494.6	1485.7	1464.9	1429.2	1424.7	1387.6	1334.1
15°	1522.8	1525.8	1530.2	1536.2	1534.7	1527.2	1507.9	1467.8	1464.9	1417.3	1353.4
17.5°	1546.6	1548.0	1557.0	1568.8	1571.8	1573.3	1552.5	1510.9	1507.9	1451.5	1374.2
20°	1580.7	1583.7	1592.6	1604.5	1613.4	1619.4	1603.0	1557.0	1554.0	1491.6	1401.0
22.5°	1658.0	1653.5	1658.0	1658.0	1662.4	1671.4	1659.5	1613.4	1607.5	1539.1	1433.7
25°	1803.6	1799.1	1787.2	1760.5	1730.8	1729.3	1715.9	1671.4	1663.9	1588.2	1464.9
27.5°	2007.1	1996.7	1974.4	1918.0	1846.7	1800.6	1779.8	1733.8	1724.8	1637.2	1494.6
30°	2222.5	2234.4	2197.3	2120.0	1989.3	1891.2	1851.1	1799.1	1791.7	1692.2	1530.2
32.5°	2473.6	2475.1	2438.0	2331.0	2161.6	2005.6	1937.3	1873.4	1867.5	1756.0	1577.8
35°	2619.2	2625.1	2608.8	2509.3	2316.1	2131.9	2041.3	1964.0	1959.6	1836.3	1637.2
37.5°	2770.7	2784.1	2758.9	2648.9	2433.5	2249.3	2157.2	2072.5	2068.0	1928.4	1711.5
40°	2995.1	2989.1	2962.4	2800.5	2543.4	2347.3	2271.6	2204.7	2194.3	2041.3	1787.2
42.5°	3157.0	3171.9	3113.9	2931.2	2663.8	2445.4	2386.0	2310.2	2296.8	2109.6	1831.8
45°	3212.0	3198.6	3134.7	3001.0	2821.3	2534.5	2494.4	2436.5	2423.1	2230.0	1919.5
47.5°	3223.9	3200.1	3143.6	3042.6	2955.0	2650.4	2626.6	2613.3	2593.9	2381.5	2024.9
50°	3151.1	3134.7	3108.0	3057.5	3041.1	2758.9	2770.7	2819.8	2803.4	2544.9	2142.3
52.5°	2986.2	2978.7	3002.5	3035.2	2992.1	2852.5	2941.6	3041.1	3035.2	2724.7	2268.6
55°	2675.7	2675.7	2809.4	2923.8	2949.0	2913.4	3125.8	3296.7	3289.2	2926.7	2388.9
57.5°	2391.9	2396.4	2507.8	2764.8	2871.8	2978.7	3330.8	3564.1	3552.2	3154.0	2515.2
60°	2033.9	2033.9	2203.2	2525.6	2760.3	3029.2	3512.1	3822.6	3830.0	3373.9	2640.0
62.5°	1610.4	1614.9	1849.6	2228.5	2599.9	3038.2	3656.2	4066.2	4064.7	3573.0	2736.6
65°	1187.0	1188.5	1507.9	1898.7	2359.2	2975.8	3734.9	4253.4	4262.3	3730.5	2793.0
67.5°	771.1	785.9	1109.8	1540.6	2019.0	2799.0	3693.3	4353.0	4363.4	3803.3	2775.2
68°	722.0	725.0	1050.4	1442.6	1926.9	2754.4	3674.0	4357.4	4366.3	3801.8	2757.4
70°	468.0	468.0	751.7	1126.1	1537.6	2476.6	3506.1	4287.6	4298.0	3736.4	2628.1
72.5°	252.6	257.0	429.4	681.9	1050.4	1916.5	3164.4	3923.6	3941.4	3378.4	2298.3
75°	176.8	179.8	249.6	381.8	572.0	1247.9	2473.6	2998.0	2995.1	2334.0	1439.6
77.5°	127.8	127.8	142.6	237.7	300.1	570.5	1224.2	1444.1	1427.7	1139.5	726.5
80°	83.2	83.2	89.1	124.8	144.1	173.8	374.4	625.5	637.3	555.6	362.5
82.5°	34.2	35.7	38.6	50.5	52.0	72.8	107.0	179.8	173.8	141.1	102.5
85°	4.5	4.5	5.9	7.4	8.9	16.3	14.9	14.9	14.9	17.8	16.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5	4.5	5.9	4.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1283.6	1283.6	1274.7	1265.8	1256.9	1249.4	1239.0	1231.6	1233.1	1237.5	1236.1
5°	1291.0	1283.6	1265.8	1246.5	1231.6	1218.2	1198.9	1188.5	1187.0	1190.0	1188.5
7.5°	1295.5	1283.6	1256.9	1227.1	1203.4	1185.5	1158.8	1148.4	1144.0	1145.4	1145.4
10°	1304.4	1285.1	1247.9	1206.3	1176.6	1151.4	1123.2	1108.3	1103.8	1103.8	1102.4
12.5°	1314.8	1288.1	1239.0	1188.5	1149.9	1120.2	1087.5	1071.2	1066.7	1066.7	1065.2
15°	1325.2	1292.5	1230.1	1169.2	1124.6	1089.0	1057.8	1038.5	1032.5	1032.5	1035.5
17.5°	1338.6	1297.0	1221.2	1151.4	1097.9	1057.8	1025.1	1005.8	998.4	1002.8	1005.8
20°	1351.9	1305.9	1212.3	1132.1	1071.2	1029.6	996.9	977.6	970.1	977.6	979.0
22.5°	1371.3	1313.3	1201.9	1109.8	1044.4	998.4	968.6	950.8	946.4	953.8	959.7
25°	1390.6	1322.2	1188.5	1086.0	1010.2	965.7	941.9	928.5	930.0	940.4	946.4
27.5°	1411.4	1329.7	1175.2	1056.3	973.1	931.5	913.7	910.7	916.6	928.5	936.0
30°	1436.6	1340.1	1157.3	1022.1	931.5	894.4	886.9	895.8	906.2	918.1	925.6
32.5°	1469.3	1353.4	1139.5	983.5	888.4	854.2	866.1	885.4	897.3	909.2	916.6
35°	1515.4	1380.2	1129.1	944.9	842.4	820.1	846.8	878.0	886.9	894.4	903.3
37.5°	1568.8	1415.8	1124.6	909.2	800.8	790.4	827.5	864.6	867.6	870.6	879.5
40°	1620.8	1442.6	1112.8	870.6	757.7	757.7	803.7	839.4	837.9	833.5	839.4
42.5°	1641.6	1439.6	1078.6	833.5	723.5	725.0	766.6	800.8	791.9	791.9	800.8
45°	1701.1	1463.4	1053.3	803.7	692.3	686.4	719.1	745.8	760.7	780.0	788.9
47.5°	1776.8	1496.1	1034.0	769.6	662.6	643.3	661.1	705.7	730.9	751.7	759.2
50°	1855.6	1533.2	1016.2	733.9	632.9	594.3	603.2	652.2	674.5	684.9	689.3
52.5°	1935.8	1567.4	1002.8	704.2	598.7	536.3	555.6	601.7	618.0	624.0	626.9
55°	2007.1	1595.6	990.9	678.9	560.1	490.3	505.1	552.7	564.5	570.5	574.9
57.5°	2082.9	1626.8	983.5	655.2	517.0	450.2	460.6	503.6	520.0	525.9	530.4
60°	2149.7	1656.5	977.6	629.9	476.9	414.5	420.4	462.0	479.9	482.8	487.3
62.5°	2194.3	1675.8	968.6	598.7	439.8	380.3	381.8	421.9	441.2	444.2	447.2
65°	2206.2	1671.4	941.9	557.1	402.6	346.2	346.2	384.8	405.6	416.0	420.4
67.5°	2170.5	1634.2	885.4	503.6	367.0	315.0	315.0	349.1	371.4	383.3	387.8
68°	2158.7	1617.9	867.6	490.3	358.0	307.5	307.5	343.2	364.0	374.4	377.4
70°	2057.6	1537.6	785.9	439.8	329.8	285.2	285.2	316.4	338.7	338.7	337.2
72.5°	1787.2	1332.6	646.3	368.4	288.2	252.6	257.0	286.7	294.2	301.6	300.1
75°	1106.8	797.8	433.8	291.2	242.2	221.4	230.3	257.0	261.5	277.8	273.4
77.5°	554.1	390.7	230.3	169.4	187.2	190.2	206.5	225.8	239.2	257.0	245.1
80°	273.4	190.2	135.2	105.5	109.9	139.7	179.8	194.6	218.4	230.3	219.9
82.5°	75.8	57.9	55.0	57.9	81.7	108.5	141.1	172.3	203.5	213.9	199.1
85°	13.4	10.4	8.9	28.2	56.5	80.2	114.4	153.0	182.7	175.3	164.9
87.5°	4.5	3.0	3.0	17.8	41.6	65.4	98.1	136.7	156.0	141.1	126.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)