

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: P1211968

Luminaire Tested: **GKO-PB2D-830-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211968
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-830-U-T2U
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II
URBAN DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

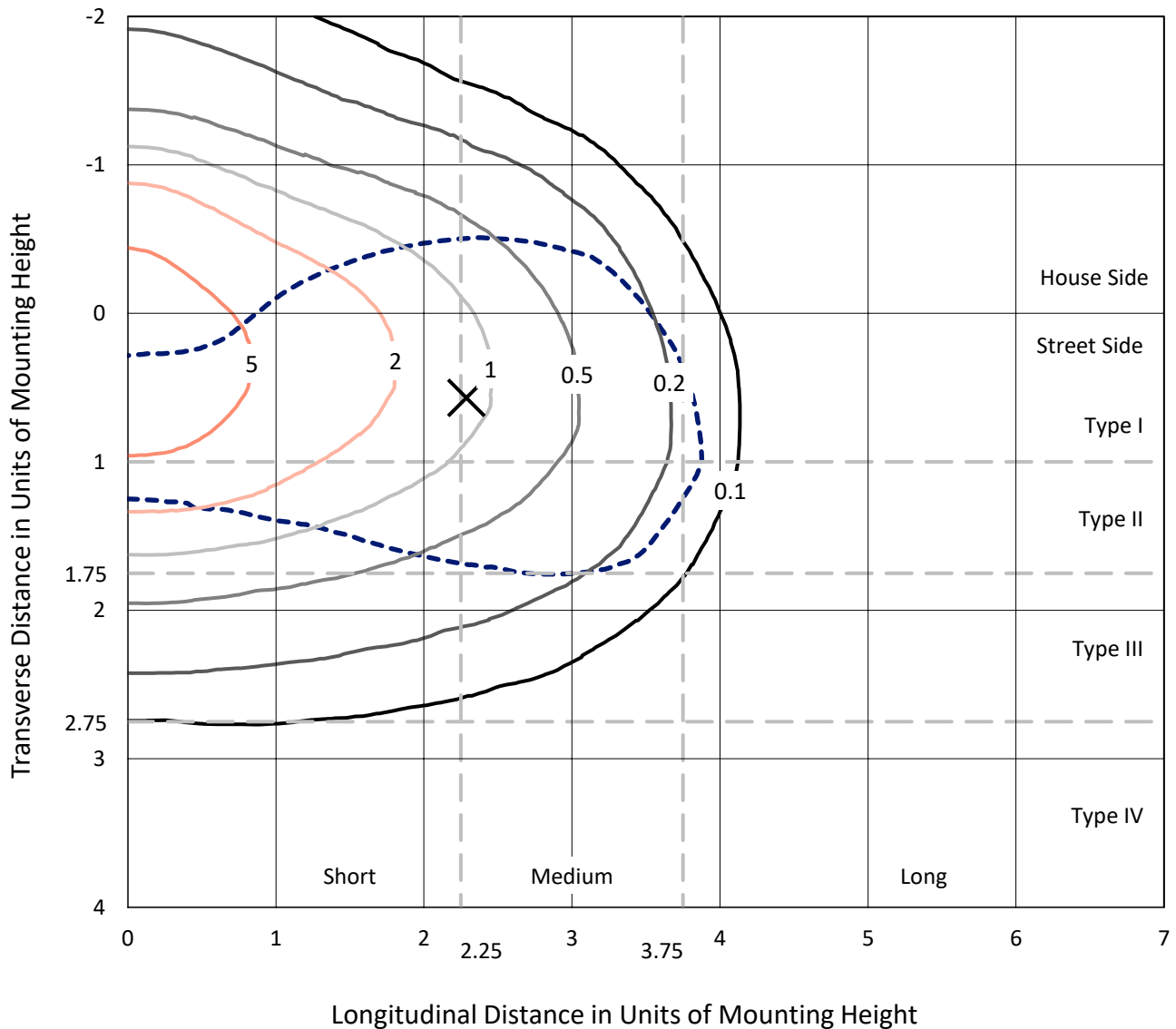
Lumens per Lamp: N/A
Luminaire Lumens: 9164 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 76.2
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

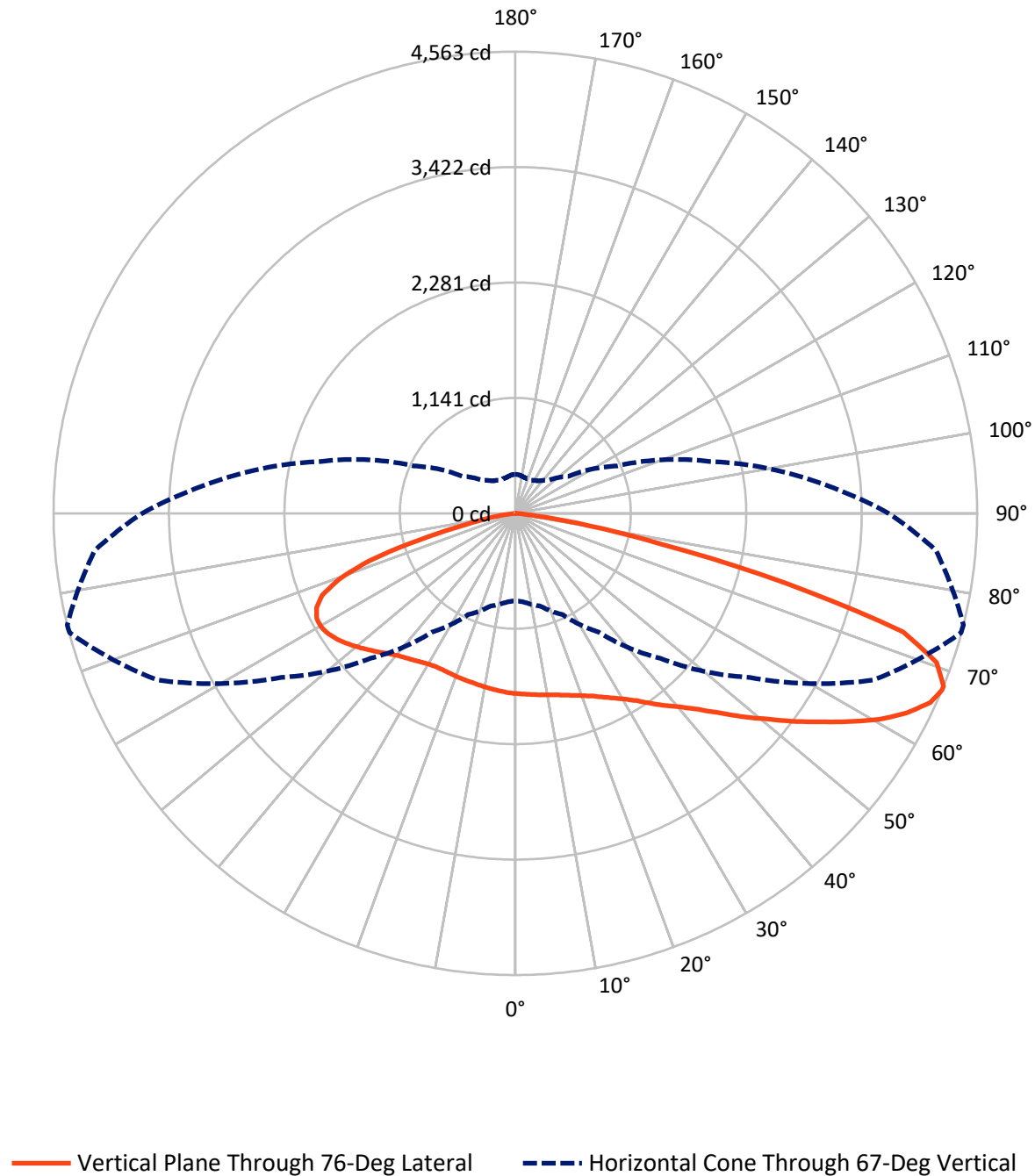
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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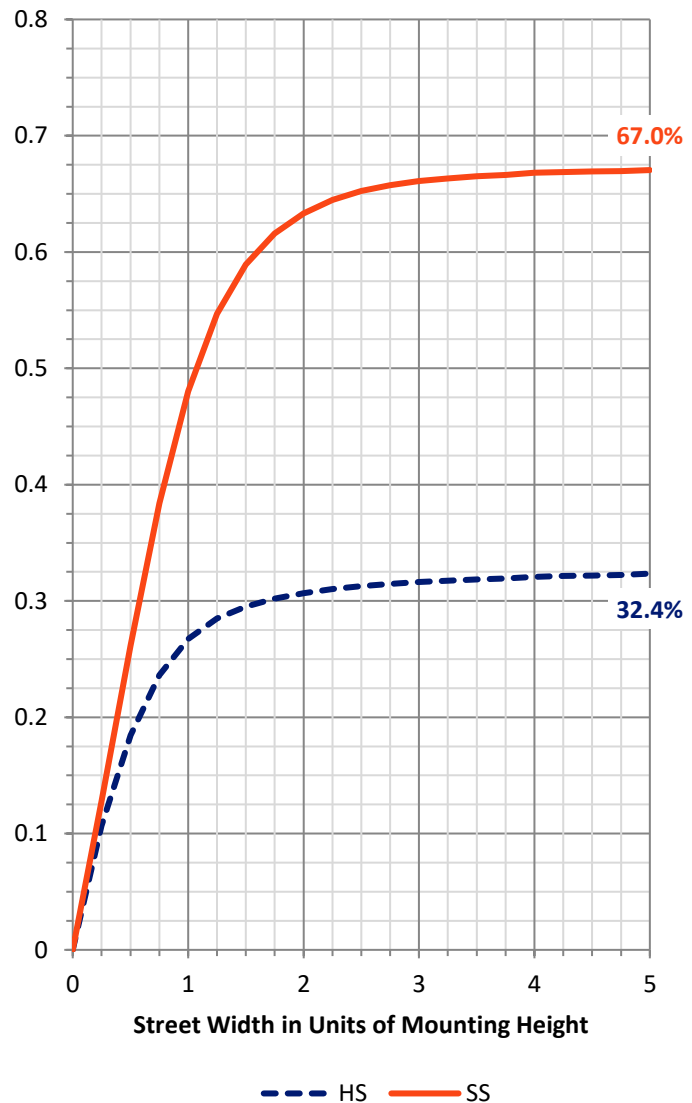
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3023.4	0.0	3023.4
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	6140.7	0.0	6140.7
	% Fixture	67.0	0.0	67.0
Total	Lumens	9164.0	0.0	9164.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	1.9
10°-20°	523.9	5.7
20°-30°	901.2	9.8
30°-40°	1295.1	14.1
40°-50°	1642.4	17.9
50°-60°	1803.5	19.7
60°-70°	1749.1	19.1
70°-80°	965.7	10.5
80°-90°	112.0	1.2
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°	9164.0	100.0
0°-180°	9164.0	100.0



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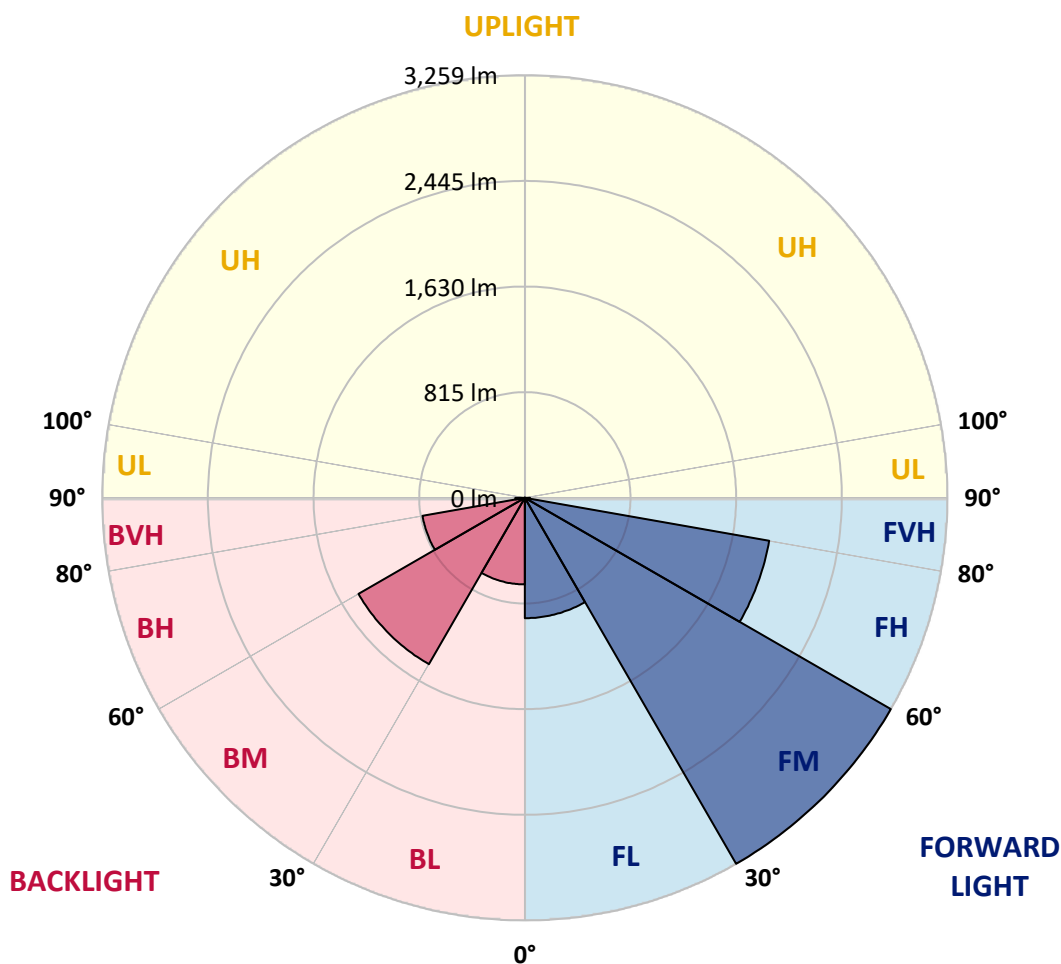
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	928.3	10.1			
FM	(30°-60°)	3259.4	35.6			
FH	(60°-80°)	1913.4	20.9			G2/5000
FVH	(80°-90°)	39.6	0.4			G1/100
BL	(0°-30°)	668.0	7.3	B2/1000		
BM	(30°-60°)	1481.5	16.2	B2/2500		
BH	(60°-80°)	801.4	8.7	B2/1000		G2/1000
BVH	(80°-90°)	72.4	0.8			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4
2.5°	1834.6	1832.8	1831.0	1831.0	1823.9	1816.8	1809.7	1804.4	1790.2	1788.5	1781.4
5°	1889.5	1889.5	1884.2	1882.4	1871.8	1854.1	1838.1	1822.2	1802.7	1799.1	1783.2
7.5°	1960.4	1960.4	1951.5	1944.5	1928.5	1900.1	1871.8	1843.4	1815.1	1811.5	1786.7
10°	2050.8	2050.8	2043.7	2027.8	1994.1	1956.9	1910.8	1866.5	1829.2	1825.7	1790.2
12.5°	2144.8	2146.5	2135.9	2112.8	2072.1	2015.4	1958.6	1894.8	1847.0	1841.7	1797.3
15°	2240.5	2242.2	2235.2	2210.3	2155.4	2086.3	2010.0	1933.8	1870.0	1864.7	1808.0
17.5°	2334.4	2338.0	2330.9	2302.5	2238.7	2164.3	2070.3	1974.6	1898.4	1891.3	1825.7
20°	2423.0	2423.0	2423.0	2391.1	2329.1	2244.0	2135.9	2024.2	1930.3	1923.2	1847.0
22.5°	2502.8	2506.3	2511.7	2493.9	2423.0	2329.1	2212.1	2079.2	1971.0	1962.2	1873.6
25°	2582.6	2584.3	2598.5	2586.1	2517.0	2419.5	2293.6	2148.3	2020.7	2011.8	1905.5
27.5°	2674.7	2680.1	2688.9	2683.6	2605.6	2509.9	2384.0	2224.5	2075.6	2066.8	1944.5
30°	2782.9	2782.9	2788.2	2779.3	2701.3	2605.6	2474.4	2304.3	2144.8	2130.6	1992.3
32.5°	2871.5	2880.3	2876.8	2873.3	2791.7	2696.0	2566.6	2392.9	2224.5	2206.8	2057.9
35°	2954.8	2956.6	2954.8	2958.3	2876.8	2786.4	2664.1	2495.7	2313.1	2306.1	2141.2
37.5°	3002.7	3006.2	3015.1	3025.7	2953.0	2867.9	2761.6	2609.2	2423.0	2410.6	2240.5
40°	3025.7	3031.0	3078.9	3094.8	3016.8	2945.9	2864.4	2712.0	2529.4	2515.2	2339.7
42.5°	3061.1	3103.7	3128.5	3132.0	3064.7	3002.7	2953.0	2828.9	2660.6	2648.1	2472.7
45°	2944.2	2928.2	2993.8	3070.0	3066.5	3039.9	3038.1	2960.1	2821.9	2809.4	2623.3
47.5°	2797.0	2784.6	2820.1	2931.8	3011.5	3055.8	3121.4	3114.3	3016.8	2999.1	2798.8
50°	2446.1	2467.4	2641.1	2793.5	2931.8	3061.1	3192.3	3275.6	3206.5	3192.3	2984.9
52.5°	2118.2	2132.3	2251.1	2614.5	2828.9	3045.2	3254.4	3445.8	3428.1	3412.1	3188.8
55°	1887.7	1901.9	2091.6	2323.8	2676.5	2963.7	3295.1	3607.1	3653.2	3637.2	3405.0
57.5°	1646.7	1669.7	1799.1	2003.0	2472.7	2828.9	3309.3	3770.2	3897.8	3883.6	3612.4
60°	1414.5	1446.4	1522.6	1744.2	2221.0	2669.4	3272.1	3901.3	4133.5	4133.5	3826.9
62.5°	1200.0	1217.7	1297.5	1497.8	1901.9	2465.6	3178.1	3984.6	4349.8	4340.9	4014.8
65°	1022.7	1031.6	1095.4	1267.4	1634.3	2240.5	3015.1	3979.3	4504.0	4505.8	4138.8
67°	863.2	877.4	948.3	1104.3	1430.4	2027.8	2827.2	3899.5	4558.9	4562.5	4169.0
67.5°	808.3	824.2	902.2	1063.5	1387.9	1969.3	2782.9	3865.9	4555.4	4562.5	4160.1
70°	556.6	560.1	691.3	875.6	1141.5	1659.1	2476.2	3631.9	4420.7	4415.4	3966.9
72.5°	354.5	349.2	475.0	639.9	918.2	1343.6	2089.8	3222.4	4011.2	4005.9	3497.2
75°	235.7	241.1	320.8	457.3	645.2	1038.7	1628.9	2431.9	2786.4	2765.1	2307.8
77.5°	168.4	164.8	198.5	329.7	432.5	631.0	884.5	1293.9	1480.1	1480.1	1267.4
80°	92.2	93.9	108.1	182.6	244.6	246.4	331.5	648.7	723.2	739.1	615.1
82.5°	26.6	28.4	39.0	62.0	67.4	74.4	115.2	186.1	195.0	205.6	166.6
85°	0.0	0.0	0.0	1.8	7.1	8.9	8.9	10.6	17.7	17.7	19.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.5	7.1	7.1	8.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4	1781.4
2.5°	1779.6	1781.4	1774.3	1765.4	1758.3	1754.8	1744.2	1735.3	1740.6	1745.9	1745.9
5°	1777.8	1776.1	1761.9	1745.9	1735.3	1728.2	1710.5	1698.1	1699.8	1705.2	1703.4
7.5°	1777.8	1770.8	1751.3	1728.2	1710.5	1696.3	1673.3	1659.1	1657.3	1660.9	1657.3
10°	1779.6	1767.2	1740.6	1708.7	1683.9	1662.6	1634.3	1618.3	1613.0	1614.8	1611.2
12.5°	1783.2	1763.7	1730.0	1689.2	1657.3	1628.9	1597.0	1577.5	1574.0	1577.5	1577.5
15°	1788.5	1763.7	1721.1	1671.5	1628.9	1597.0	1565.1	1547.4	1547.4	1549.2	1549.2
17.5°	1799.1	1769.0	1714.0	1652.0	1600.6	1565.1	1536.8	1524.4	1526.1	1531.5	1531.5
20°	1809.7	1776.1	1706.9	1632.5	1575.8	1535.0	1512.0	1503.1	1510.2	1517.3	1517.3
22.5°	1825.7	1784.9	1699.8	1614.8	1547.4	1506.6	1487.1	1480.1	1487.1	1496.0	1492.5
25°	1850.5	1800.9	1694.5	1598.8	1520.8	1476.5	1457.0	1449.9	1453.5	1460.6	1460.6
27.5°	1878.9	1820.4	1692.8	1579.3	1488.9	1441.1	1418.0	1407.4	1407.4	1409.2	1410.9
30°	1926.7	1854.1	1699.8	1565.1	1460.6	1403.8	1373.7	1357.8	1356.0	1363.1	1363.1
32.5°	1983.5	1900.1	1717.6	1552.7	1432.2	1359.5	1318.8	1306.3	1302.8	1308.1	1302.8
35°	2047.3	1951.5	1740.6	1551.0	1403.8	1311.7	1265.6	1251.4	1240.8	1237.2	1233.7
37.5°	2137.7	2022.4	1763.7	1542.1	1375.5	1260.3	1210.6	1180.5	1168.1	1164.5	1164.5
40°	2226.3	2091.6	1792.0	1527.9	1341.8	1208.9	1138.0	1104.3	1099.0	1099.0	1099.0
42.5°	2338.0	2182.0	1831.0	1519.1	1301.0	1157.5	1060.0	1021.0	1021.0	1021.0	1019.2
45°	2476.2	2300.7	1880.6	1515.5	1262.0	1095.4	976.7	925.3	923.5	921.7	919.9
47.5°	2637.5	2424.8	1928.5	1506.6	1216.0	1021.0	880.9	824.2	811.8	808.3	803.0
50°	2804.1	2559.5	1979.9	1494.2	1161.0	934.1	790.5	725.0	698.4	689.5	693.1
52.5°	2981.4	2690.7	2029.5	1476.5	1095.4	847.3	698.4	629.2	602.7	592.0	590.3
55°	3155.1	2823.6	2075.6	1453.5	1024.5	758.6	620.4	553.0	530.0	526.4	526.4
57.5°	3330.6	2951.3	2111.1	1419.8	946.5	680.6	553.0	498.1	482.1	489.2	489.2
60°	3490.1	3062.9	2128.8	1373.7	868.5	609.7	499.9	459.1	452.0	469.7	467.9
62.5°	3633.7	3137.4	2119.9	1306.3	792.3	549.5	459.1	429.0	430.7	452.0	453.8
65°	3702.8	3149.8	2068.5	1214.2	707.2	498.1	416.5	388.2	391.7	414.8	420.1
67°	3686.8	3101.9	1983.5	1109.6	638.1	459.1	390.0	361.6	363.4	382.9	384.6
67.5°	3669.1	3078.9	1960.4	1077.7	620.4	452.0	382.9	356.3	359.8	377.5	377.5
70°	3433.4	2844.9	1747.7	914.6	537.1	402.4	349.2	331.5	335.0	345.6	345.6
72.5°	3000.9	2463.8	1414.5	733.8	455.5	356.3	315.5	304.9	304.9	304.9	296.0
75°	1914.3	1543.9	925.3	561.9	375.8	304.9	283.6	271.2	264.1	274.7	271.2
77.5°	1058.2	806.5	482.1	322.6	271.2	253.5	246.4	241.1	239.3	264.1	257.0
80°	501.6	398.8	271.2	184.3	156.0	187.9	212.7	209.2	249.9	342.1	343.9
82.5°	159.5	131.2	109.9	101.0	104.6	134.7	164.8	189.7	324.4	366.9	361.6
85°	19.5	17.7	12.4	40.8	69.1	99.3	127.6	246.4	297.8	248.2	234.0
87.5°	7.1	7.1	7.1	28.4	53.2	76.2	115.2	248.2	182.6	166.6	152.4
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)