

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: P1211908

Luminaire Tested: **GKO-PB2D-830-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211908
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-T2R
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9261.7 lumens
Efficiency: N/A
Efficacy: 121.5 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

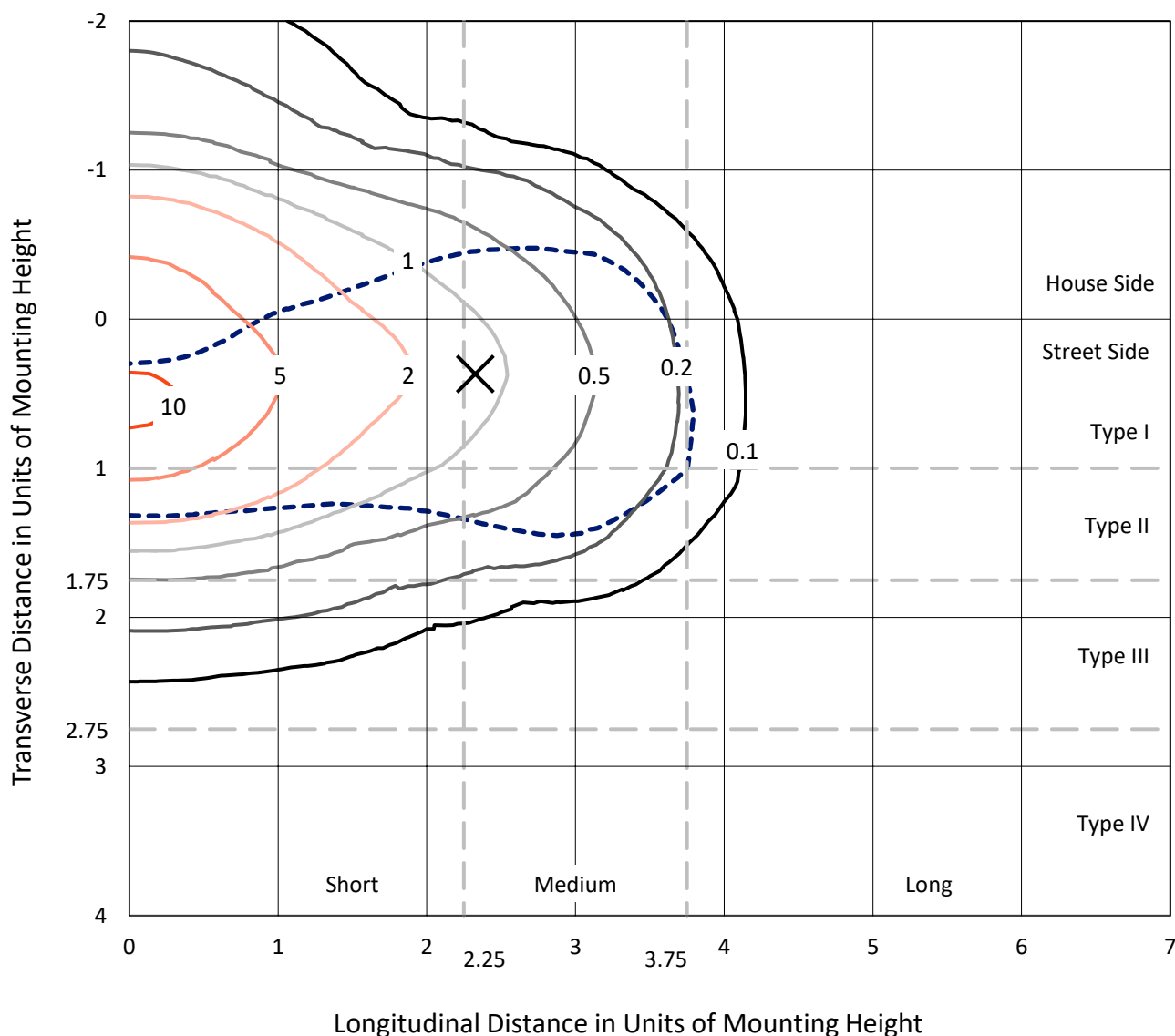
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

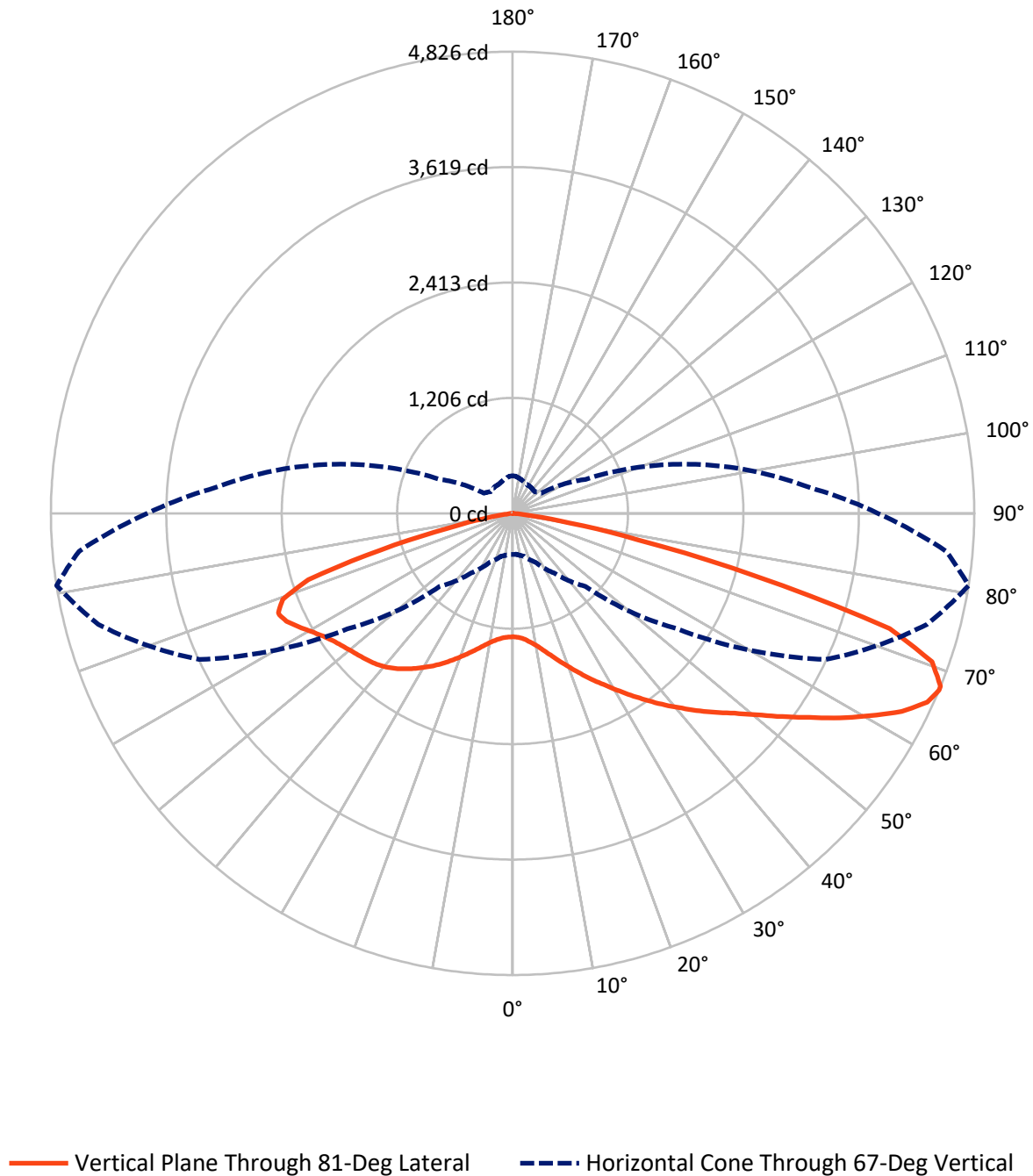
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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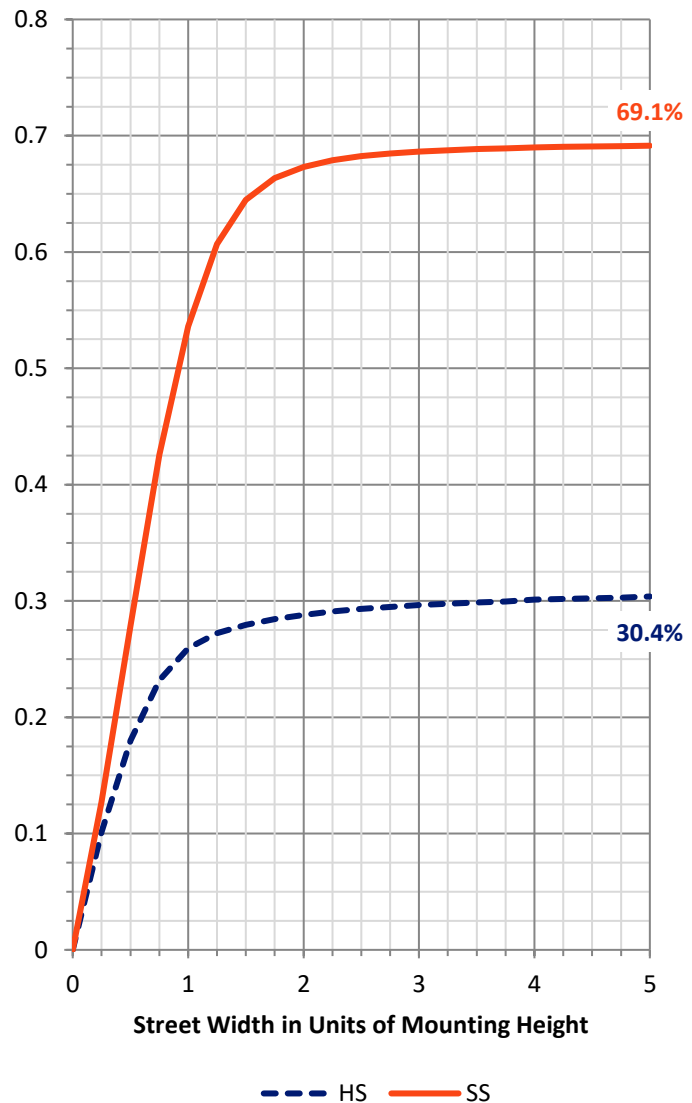
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2860.0	0.0	2860.0
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	6401.7	0.0	6401.7
	% Fixture	69.1	0.0	69.1
Total	Lumens	9261.7	0.0	9261.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.6	1.4
10°-20°	483.7	5.2
20°-30°	979.9	10.6
30°-40°	1545.2	16.7
40°-50°	1897.6	20.5
50°-60°	1812.8	19.6
60°-70°	1520.3	16.4
70°-80°	805.3	8.7
80°-90°	83.2	0.9
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°	9261.7	100.0
0°-180°	9261.7	100.0

Coefficient of Utilization



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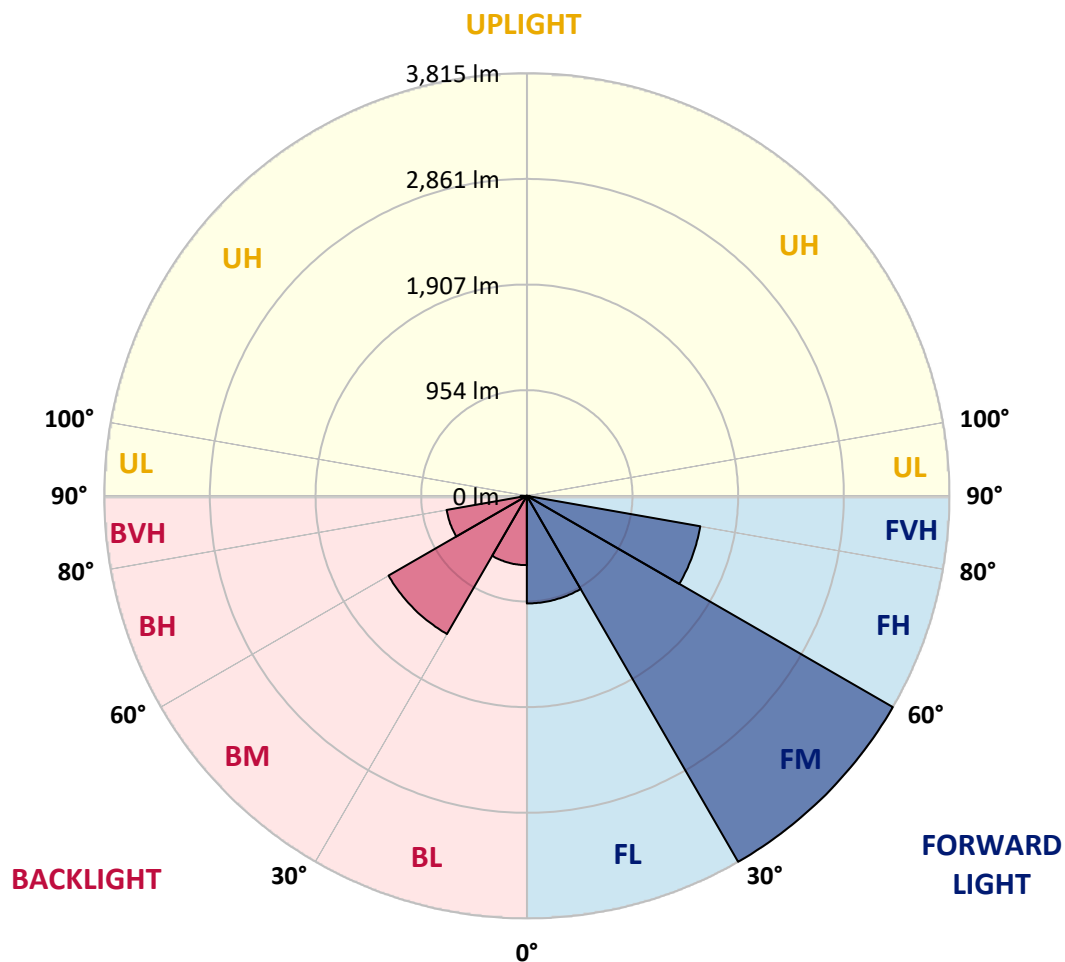
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	971.4	10.5			
FM	(30°-60°)	3814.5	41.2			
FH	(60°-80°)	1589.9	17.2			G1/1800
FVH	(80°-90°)	25.9	0.3			G1/100
BL	(0°-30°)	625.8	6.8	B2/1000		
BM	(30°-60°)	1441.1	15.6	B2/2500		
BH	(60°-80°)	735.7	7.9	B2/1000		G2/1000
BVH	(80°-90°)	57.3	0.6			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°	81°	85°
0°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1364.6	1368.1	1361.0	1359.3	1352.2	1341.5	1329.1	1320.3	1306.1	1299.0	1295.5
5°	1493.9	1486.8	1481.5	1472.7	1447.9	1426.6	1391.1	1366.3	1339.8	1322.0	1316.7
7.5°	1651.7	1655.2	1637.5	1614.4	1579.0	1536.5	1479.8	1433.7	1384.1	1361.0	1350.4
10°	1823.6	1837.7	1820.0	1791.7	1724.3	1660.5	1591.4	1511.7	1444.3	1408.9	1394.7
12.5°	2032.7	2041.5	2018.5	1981.3	1899.8	1804.1	1706.6	1607.4	1518.7	1474.4	1449.6
15°	2266.6	2259.5	2236.5	2181.5	2077.0	1970.6	1837.7	1708.4	1603.8	1548.9	1513.4
17.5°	2507.6	2498.8	2468.6	2397.7	2279.0	2146.1	1988.4	1825.3	1694.2	1633.9	1586.1
20°	2738.0	2729.1	2707.9	2628.1	2484.6	2321.5	2137.2	1960.0	1797.0	1722.5	1669.4
22.5°	2993.2	2986.1	2952.4	2855.0	2700.8	2521.8	2307.4	2096.5	1908.6	1820.0	1756.2
25°	3269.6	3271.4	3234.2	3097.7	2924.1	2715.0	2489.9	2250.7	2034.4	1922.8	1850.1
27.5°	3592.2	3590.4	3526.6	3379.5	3161.5	2920.5	2670.7	2411.9	2158.5	2027.4	1944.1
30°	3884.6	3877.5	3806.6	3659.5	3407.9	3136.7	2862.0	2567.9	2298.5	2142.5	2041.5
32.5°	4100.8	4102.6	4044.1	3882.8	3636.5	3347.6	3041.0	2743.3	2433.2	2266.6	2155.0
35°	4256.7	4258.5	4201.8	4063.6	3833.2	3544.3	3230.7	2908.1	2583.8	2394.2	2273.7
37.5°	4306.4	4306.4	4269.1	4161.0	3973.2	3721.5	3416.7	3096.0	2734.5	2532.4	2394.2
40°	4239.0	4244.3	4242.6	4171.7	4042.3	3843.8	3588.6	3276.7	2902.8	2668.9	2516.5
42.5°	4086.6	4090.2	4095.5	4068.9	4028.1	3909.4	3726.9	3461.0	3071.2	2817.7	2637.0
45°	3835.0	3849.1	3875.7	3886.4	3902.3	3893.4	3811.9	3632.9	3259.0	2966.6	2755.7
47.5°	3516.0	3539.0	3574.5	3638.3	3726.9	3797.8	3833.2	3765.9	3441.5	3120.8	2888.6
50°	3072.9	3097.7	3193.4	3326.4	3501.8	3640.0	3774.7	3865.1	3645.3	3308.6	3037.5
52.5°	2459.8	2512.9	2674.2	2929.4	3230.7	3436.2	3650.7	3912.9	3852.7	3530.2	3214.7
55°	1871.4	1890.9	2098.2	2404.8	2869.1	3216.5	3480.5	3888.1	4047.6	3762.3	3416.7
57.5°	1307.9	1329.1	1509.9	1844.8	2358.8	2929.4	3310.4	3804.8	4224.8	4035.2	3648.9
60°	928.6	951.7	1086.3	1334.4	1832.4	2511.2	3152.7	3698.5	4379.0	4294.0	3916.5
62.5°	675.2	687.6	758.5	967.6	1323.8	1963.6	2927.6	3629.4	4487.1	4563.3	4191.2
65°	517.5	529.9	570.6	701.8	978.2	1435.5	2523.6	3627.6	4515.5	4761.8	4428.6
67°	430.6	428.9	464.3	563.5	763.8	1079.2	2107.1	3613.4	4483.6	4825.6	4549.1
67.5°	407.6	414.7	443.0	526.3	721.3	994.2	2016.7	3590.4	4472.9	4823.8	4558.0
70°	324.3	326.1	350.9	416.5	542.3	721.3	1451.4	3363.6	4311.7	4650.2	4458.8
72.5°	237.5	235.7	272.9	315.4	414.7	524.6	972.9	2824.8	3962.6	4120.3	3964.3
75°	175.4	173.7	193.2	241.0	296.0	391.6	630.9	1843.1	2683.1	2621.0	2420.8
77.5°	117.0	120.5	138.2	177.2	210.9	242.8	315.4	848.9	1478.0	1336.2	1286.6
80°	70.9	65.6	78.0	101.0	122.3	124.1	134.7	366.8	634.4	604.3	567.1
82.5°	24.8	24.8	30.1	40.8	40.8	40.8	49.6	88.6	125.8	115.2	109.9
85°	0.0	0.0	0.0	0.0	3.5	5.3	3.5	7.1	12.4	14.2	14.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.5	5.3	7.1	7.1
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°	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1	1290.1
2.5°	1295.5	1295.5	1290.1	1283.0	1279.5	1277.7	1272.4	1265.3	1270.6	1276.0	1276.0
5°	1313.2	1309.6	1299.0	1291.9	1286.6	1286.6	1279.5	1277.7	1283.0	1288.4	1286.6
7.5°	1341.5	1334.4	1322.0	1311.4	1313.2	1314.9	1304.3	1304.3	1309.6	1314.9	1314.9
10°	1380.5	1368.1	1355.7	1346.8	1348.6	1350.4	1339.8	1336.2	1341.5	1346.8	1350.4
12.5°	1430.1	1414.2	1400.0	1391.1	1389.4	1391.1	1380.5	1377.0	1377.0	1380.5	1380.5
15°	1488.6	1470.9	1453.2	1440.8	1437.2	1435.5	1421.3	1408.9	1408.9	1410.6	1410.6
17.5°	1556.0	1531.2	1508.1	1493.9	1485.1	1472.7	1456.7	1439.0	1433.7	1435.5	1435.5
20°	1623.3	1596.7	1566.6	1547.1	1529.4	1508.1	1483.3	1460.3	1449.6	1449.6	1447.9
22.5°	1701.3	1665.8	1625.1	1598.5	1566.6	1531.2	1495.7	1465.6	1454.9	1451.4	1451.4
25°	1781.0	1740.3	1681.8	1641.0	1594.9	1543.6	1497.5	1456.7	1439.0	1431.9	1431.9
27.5°	1862.5	1814.7	1738.5	1680.0	1612.7	1541.8	1479.8	1428.4	1403.6	1394.7	1391.1
30°	1954.7	1885.6	1788.1	1708.4	1616.2	1525.8	1446.1	1385.8	1348.6	1327.4	1329.1
32.5°	2050.4	1963.6	1834.2	1726.1	1610.9	1495.7	1394.7	1318.5	1270.6	1251.1	1244.1
35°	2147.9	2038.0	1875.0	1734.9	1593.2	1449.6	1329.1	1244.1	1190.9	1162.5	1162.5
37.5°	2247.1	2116.0	1903.3	1733.2	1561.3	1389.4	1252.9	1162.5	1100.5	1065.1	1056.2
40°	2344.6	2188.6	1924.6	1719.0	1513.4	1316.7	1171.4	1073.9	990.6	944.6	937.5
42.5°	2440.3	2248.9	1935.2	1696.0	1456.7	1237.0	1079.2	948.1	868.4	825.8	824.1
45°	2527.1	2296.7	1937.0	1665.8	1382.3	1146.6	955.2	829.4	749.6	705.3	705.3
47.5°	2612.2	2349.9	1935.2	1626.8	1300.8	1029.6	824.1	701.8	629.1	600.8	591.9
50°	2715.0	2403.1	1933.4	1579.0	1196.2	889.6	696.5	591.9	529.9	501.5	501.5
52.5°	2819.5	2465.1	1937.0	1511.7	1072.2	753.2	583.0	490.9	450.1	432.4	430.6
55°	2954.2	2530.7	1945.8	1431.9	942.8	620.3	485.6	423.5	395.2	386.3	388.1
57.5°	3117.2	2621.0	1963.6	1338.0	792.2	508.6	416.5	382.8	375.7	379.2	381.0
60°	3303.3	2732.7	1988.4	1231.7	659.2	423.5	375.7	368.6	375.7	389.9	391.6
62.5°	3519.5	2867.4	2020.3	1112.9	528.1	372.2	358.0	363.3	368.6	391.6	393.4
65°	3710.9	3012.7	2027.4	972.9	428.9	338.5	347.3	350.9	365.1	391.6	393.4
67°	3819.0	3111.9	1979.5	840.0	366.8	320.8	333.2	336.7	361.5	388.1	391.6
67.5°	3831.4	3133.2	1947.6	806.3	354.4	317.2	329.6	336.7	361.5	388.1	389.9
70°	3794.2	3119.0	1734.9	607.9	292.4	292.4	306.6	322.5	347.3	375.7	388.1
72.5°	3462.8	2844.3	1343.3	412.9	248.1	264.1	285.3	308.4	331.4	365.1	386.3
75°	2188.6	1830.6	822.3	276.5	207.3	235.7	269.4	296.0	315.4	340.3	354.4
77.5°	1169.6	905.6	354.4	163.0	163.0	209.1	249.9	274.7	285.3	294.2	303.0
80°	552.9	421.8	171.9	97.5	113.4	163.0	221.5	248.1	251.6	262.3	265.8
82.5°	109.9	95.7	56.7	51.4	74.4	117.0	184.3	214.4	216.2	233.9	237.5
85°	14.2	12.4	8.9	19.5	47.8	86.8	141.8	184.3	187.8	187.8	184.3
87.5°	7.1	5.3	5.3	14.2	35.4	65.6	117.0	154.2	156.0	122.3	118.7
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)