

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: P1211939

Luminaire Tested: **GKO-PB2C-850-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211939
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-T2R
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7764.2 lumens
Efficiency: N/A
Efficacy: 133.4 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): 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

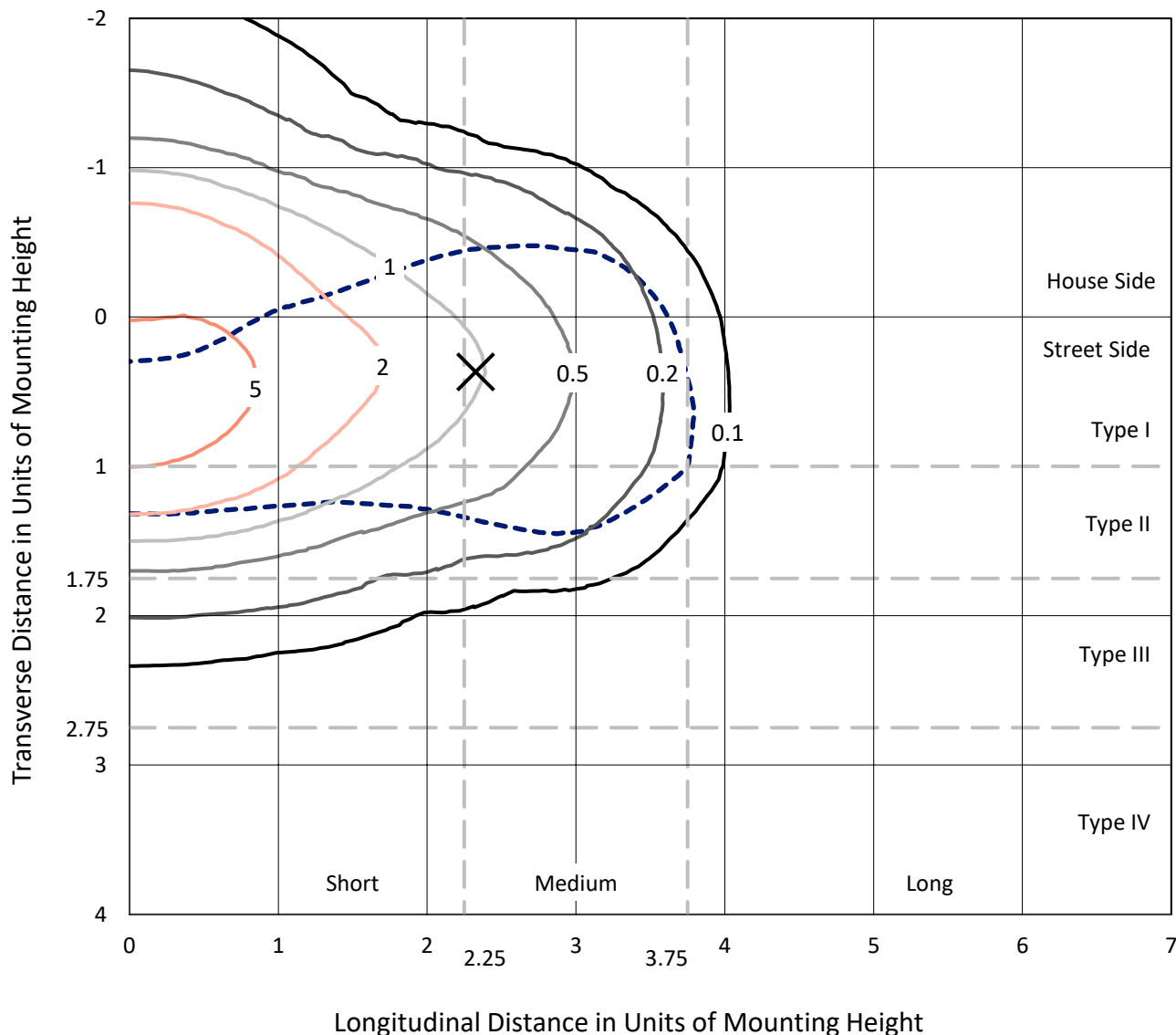
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

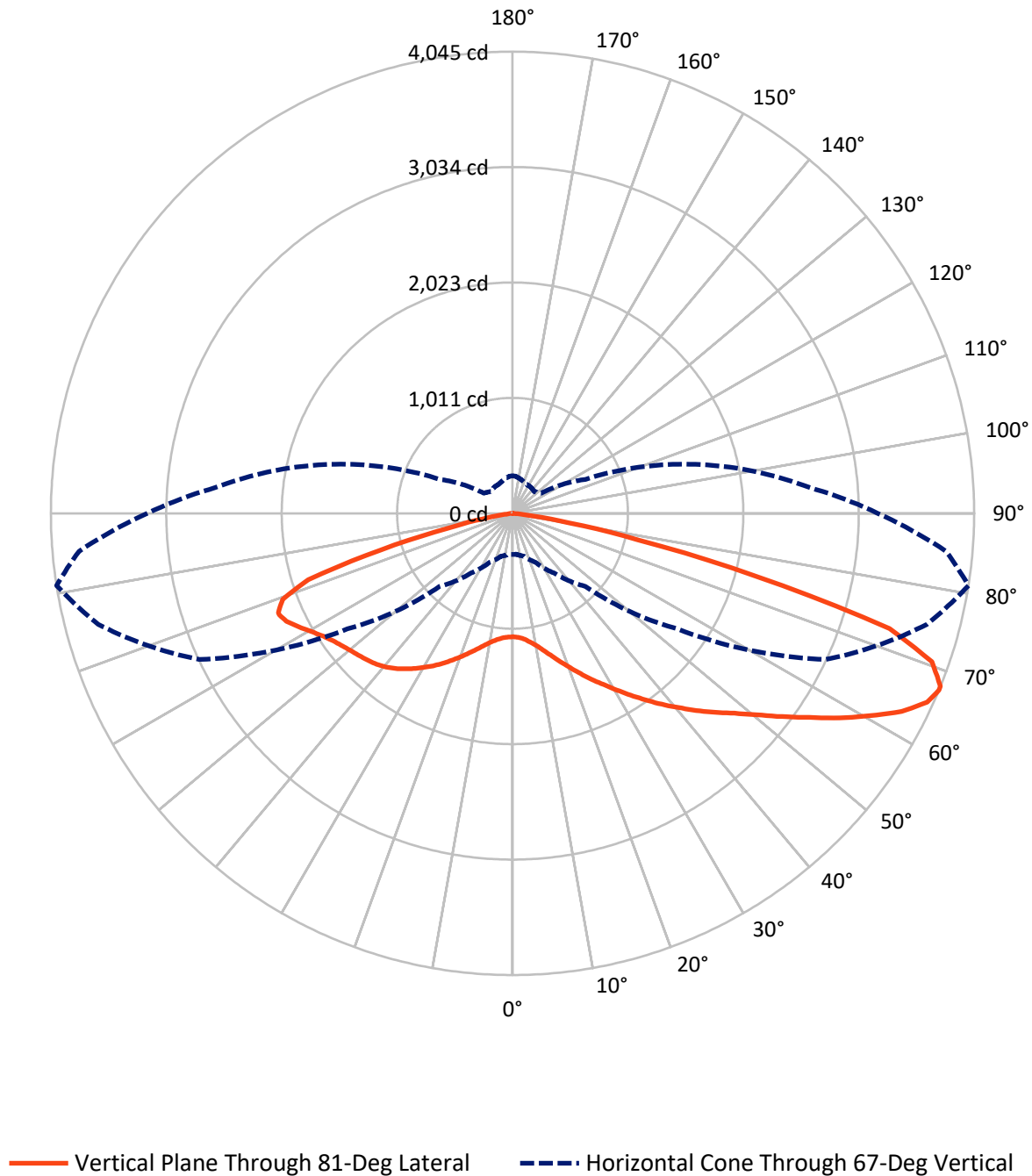
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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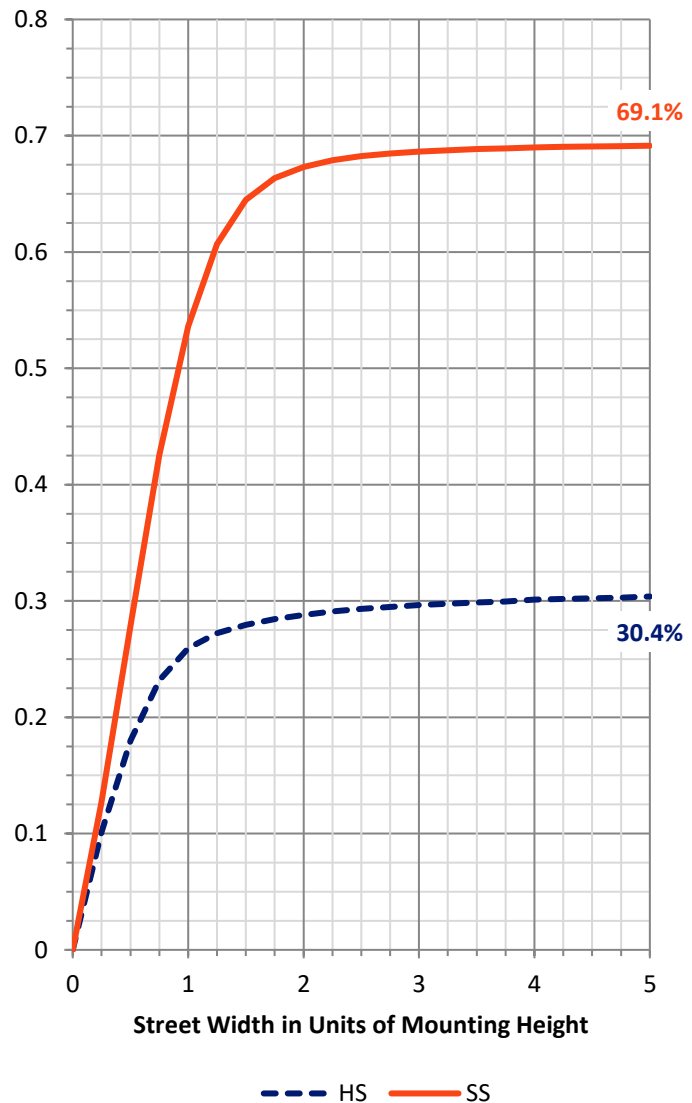
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2397.6	0.0	2397.6
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	5366.7	0.0	5366.7
	% Fixture	69.1	0.0	69.1
Total	Lumens	7764.2	0.0	7764.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	1.4
10°-20°	405.5	5.2
20°-30°	821.5	10.6
30°-40°	1295.4	16.7
40°-50°	1590.8	20.5
50°-60°	1519.7	19.6
60°-70°	1274.5	16.4
70°-80°	675.1	8.7
80°-90°	69.8	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°	7764.2	100.0
0°-180°	7764.2	100.0

Coefficient of Utilization



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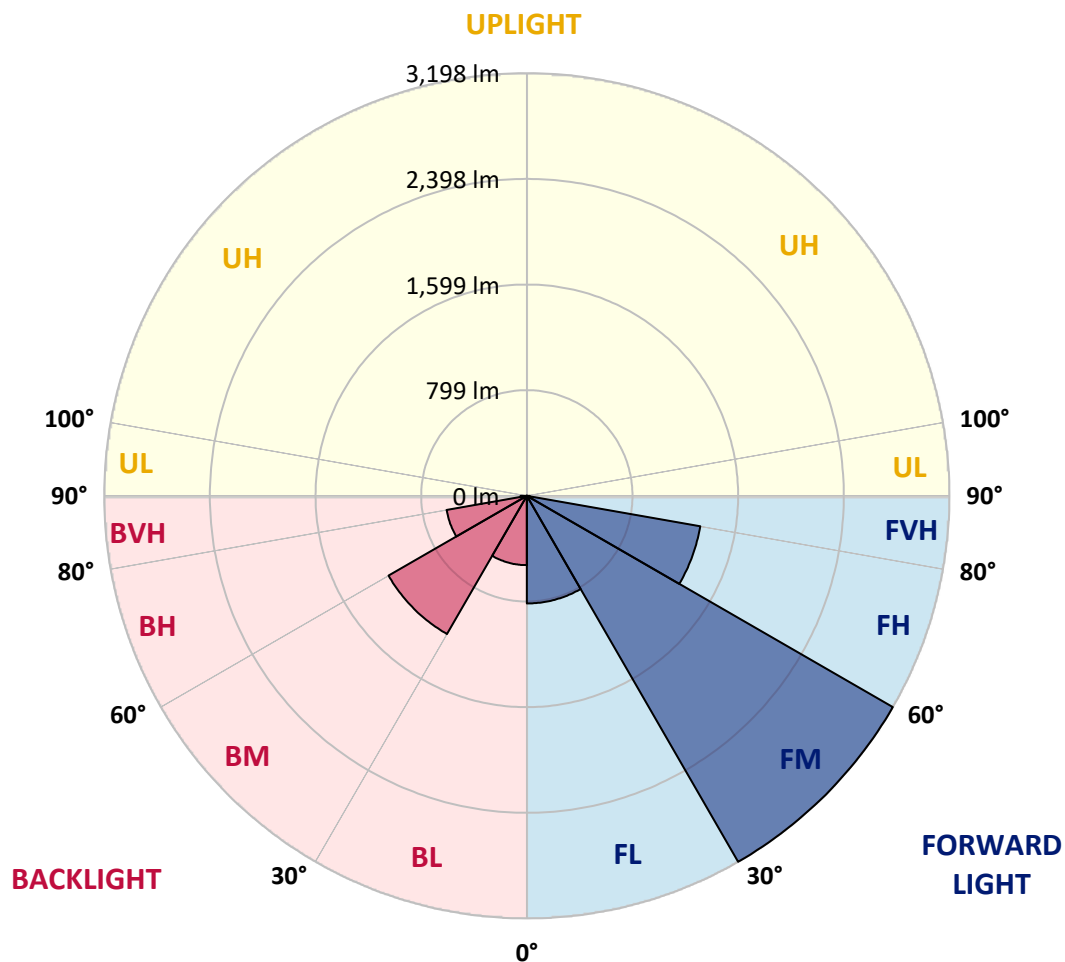
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	814.4	10.5			
FM	(30°-60°)	3197.8	41.2			
FH	(60°-80°)	1332.8	17.2			G1/1800
FVH	(80°-90°)	21.7	0.3			G1/100
BL	(0°-30°)	524.7	6.8	B2/1000		
BM	(30°-60°)	1208.1	15.6	B2/2500		
BH	(60°-80°)	616.8	7.9	B2/1000		G2/1000
BVH	(80°-90°)	48.1	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°	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5
2.5°	1143.9	1146.9	1141.0	1139.5	1133.5	1124.6	1114.2	1106.8	1094.9	1089.0	1086.0
5°	1252.4	1246.4	1242.0	1234.6	1213.8	1195.9	1166.2	1145.4	1123.1	1108.3	1103.8
7.5°	1384.6	1387.6	1372.7	1353.4	1323.7	1288.0	1240.5	1201.9	1160.3	1141.0	1132.1
10°	1528.7	1540.6	1525.7	1502.0	1445.5	1392.0	1334.1	1267.2	1210.8	1181.1	1169.2
12.5°	1704.0	1711.5	1692.1	1660.9	1592.6	1512.4	1430.7	1347.5	1273.2	1236.0	1215.2
15°	1900.1	1894.2	1874.9	1828.8	1741.2	1652.0	1540.6	1432.2	1344.5	1298.4	1268.7
17.5°	2102.2	2094.7	2069.5	2010.1	1910.5	1799.1	1666.9	1530.2	1420.3	1369.8	1329.6
20°	2295.3	2287.9	2270.0	2203.2	2082.9	1946.2	1791.7	1643.1	1506.4	1444.0	1399.5
22.5°	2509.2	2503.3	2475.1	2393.4	2264.1	2114.1	1934.3	1757.5	1600.0	1525.7	1472.3
25°	2741.0	2742.5	2711.3	2596.9	2451.3	2276.0	2087.3	1886.8	1705.5	1611.9	1551.0
27.5°	3011.4	3009.9	2956.4	2833.1	2650.4	2448.3	2238.9	2021.9	1809.5	1699.6	1629.7
30°	3256.5	3250.6	3191.1	3067.8	2856.9	2629.6	2399.3	2152.7	1926.9	1796.1	1711.5
32.5°	3437.8	3439.2	3390.2	3255.0	3048.5	2806.4	2549.3	2299.8	2039.8	1900.1	1806.5
35°	3568.5	3570.0	3522.4	3406.6	3213.4	2971.3	2708.3	2437.9	2166.1	2007.1	1906.1
37.5°	3610.1	3610.1	3578.9	3488.3	3330.8	3119.8	2864.3	2595.4	2292.3	2123.0	2007.1
40°	3553.6	3558.1	3556.6	3497.2	3388.7	3222.3	3008.4	2746.9	2433.5	2237.4	2109.6
42.5°	3425.9	3428.8	3433.3	3411.0	3376.8	3277.3	3124.3	2901.4	2574.6	2362.2	2210.6
45°	3214.9	3226.8	3249.1	3258.0	3271.4	3263.9	3195.6	3045.6	2732.1	2487.0	2310.2
47.5°	2947.5	2966.8	2996.5	3050.0	3124.3	3183.7	3213.4	3157.0	2885.1	2616.2	2421.6
50°	2576.1	2596.9	2677.1	2788.5	2935.6	3051.5	3164.4	3240.2	3056.0	2773.7	2546.4
52.5°	2062.1	2106.6	2241.8	2455.8	2708.3	2880.6	3060.4	3280.3	3229.8	2959.4	2694.9
55°	1568.8	1585.2	1759.0	2016.0	2405.2	2696.4	2917.8	3259.5	3393.2	3154.0	2864.3
57.5°	1096.4	1114.2	1265.8	1546.5	1977.4	2455.8	2775.2	3189.7	3541.8	3382.8	3058.9
60°	778.5	797.8	910.7	1118.7	1536.1	2105.1	2642.9	3100.5	3671.0	3599.7	3283.3
62.5°	566.0	576.4	635.9	811.2	1109.8	1646.1	2454.3	3042.6	3761.6	3825.5	3513.5
65°	433.8	444.2	478.4	588.3	820.1	1203.4	2115.5	3041.1	3785.4	3991.9	3712.6
67°	361.0	359.5	389.2	472.4	640.3	904.8	1766.4	3029.2	3758.7	4045.4	3813.6
67.5°	341.7	347.6	371.4	441.2	604.7	833.4	1690.7	3009.9	3749.7	4043.9	3821.1
70°	271.9	273.4	294.2	349.1	454.6	604.7	1216.7	2819.7	3614.5	3898.3	3737.9
72.5°	199.1	197.6	228.8	264.4	347.6	439.7	815.6	2368.1	3321.9	3454.1	3323.4
75°	147.1	145.6	161.9	202.0	248.1	328.3	528.9	1545.1	2249.3	2197.3	2029.4
77.5°	98.1	101.0	115.9	148.6	176.8	203.5	264.4	711.6	1239.0	1120.2	1078.6
80°	59.4	55.0	65.4	84.7	102.5	104.0	112.9	307.5	531.9	506.6	475.4
82.5°	20.8	20.8	25.3	34.2	34.2	34.2	41.6	74.3	105.5	96.6	92.1
85°	0.0	0.0	0.0	0.0	3.0	4.5	3.0	5.9	10.4	11.9	11.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.0	4.5	5.9	5.9
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°	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5
2.5°	1086.0	1086.0	1081.5	1075.6	1072.6	1071.1	1066.7	1060.7	1065.2	1069.7	1069.7
5°	1100.9	1097.9	1089.0	1083.0	1078.6	1078.6	1072.6	1071.1	1075.6	1080.1	1078.6
7.5°	1124.6	1118.7	1108.3	1099.4	1100.9	1102.3	1093.4	1093.4	1097.9	1102.3	1102.3
10°	1157.3	1146.9	1136.5	1129.1	1130.6	1132.1	1123.1	1120.2	1124.6	1129.1	1132.1
12.5°	1198.9	1185.5	1173.7	1166.2	1164.7	1166.2	1157.3	1154.3	1154.3	1157.3	1157.3
15°	1247.9	1233.1	1218.2	1207.8	1204.8	1203.4	1191.5	1181.1	1181.1	1182.6	1182.6
17.5°	1304.4	1283.6	1264.3	1252.4	1245.0	1234.6	1221.2	1206.3	1201.9	1203.4	1203.4
20°	1360.8	1338.6	1313.3	1297.0	1282.1	1264.3	1243.5	1224.2	1215.2	1215.2	1213.8
22.5°	1426.2	1396.5	1362.3	1340.0	1313.3	1283.6	1253.9	1228.6	1219.7	1216.7	1216.7
25°	1493.1	1458.9	1409.9	1375.7	1337.1	1294.0	1255.4	1221.2	1206.3	1200.4	1200.4
27.5°	1561.4	1521.3	1457.4	1408.4	1351.9	1292.5	1240.5	1197.4	1176.6	1169.2	1166.2
30°	1638.7	1580.7	1499.0	1432.2	1354.9	1279.1	1212.3	1161.8	1130.6	1112.7	1114.2
32.5°	1718.9	1646.1	1537.6	1447.0	1350.4	1253.9	1169.2	1105.3	1065.2	1048.9	1042.9
35°	1800.6	1708.5	1571.8	1454.4	1335.6	1215.2	1114.2	1042.9	998.3	974.6	974.6
37.5°	1883.8	1773.8	1595.6	1453.0	1308.8	1164.7	1050.3	974.6	922.6	892.9	885.4
40°	1965.5	1834.8	1613.4	1441.1	1268.7	1103.8	982.0	900.3	830.5	791.8	785.9
42.5°	2045.7	1885.3	1622.3	1421.8	1221.2	1037.0	904.8	794.8	728.0	692.3	690.8
45°	2118.5	1925.4	1623.8	1396.5	1158.8	961.2	800.8	695.3	628.4	591.3	591.3
47.5°	2189.8	1970.0	1622.3	1363.8	1090.5	863.2	690.8	588.3	527.4	503.6	496.2
50°	2276.0	2014.5	1620.8	1323.7	1002.8	745.8	583.9	496.2	444.2	420.4	420.4
52.5°	2363.6	2066.5	1623.8	1267.2	898.8	631.4	488.8	411.5	377.4	362.5	361.0
55°	2476.6	2121.5	1631.2	1200.4	790.4	520.0	407.1	355.1	331.3	323.9	325.4
57.5°	2613.2	2197.3	1646.1	1121.7	664.1	426.4	349.1	320.9	315.0	317.9	319.4
60°	2769.2	2290.8	1666.9	1032.5	552.7	355.1	315.0	309.0	315.0	326.8	328.3
62.5°	2950.5	2403.8	1693.6	933.0	442.7	312.0	300.1	304.6	309.0	328.3	329.8
65°	3110.9	2525.6	1699.6	815.6	359.5	283.8	291.2	294.2	306.0	328.3	329.8
67°	3201.5	2608.8	1659.5	704.2	307.5	268.9	279.3	282.3	303.1	325.4	328.3
67.5°	3211.9	2626.6	1632.7	676.0	297.1	265.9	276.3	282.3	303.1	325.4	326.8
70°	3180.7	2614.7	1454.4	509.6	245.1	245.1	257.0	270.4	291.2	315.0	325.4
72.5°	2902.9	2384.4	1126.1	346.2	208.0	221.4	239.2	258.5	277.8	306.0	323.9
75°	1834.8	1534.7	689.3	231.8	173.8	197.6	225.8	248.1	264.4	285.2	297.1
77.5°	980.5	759.2	297.1	136.7	136.7	175.3	209.5	230.3	239.2	246.6	254.0
80°	463.5	353.6	144.1	81.7	95.1	136.7	185.7	208.0	211.0	219.9	222.8
82.5°	92.1	80.2	47.5	43.1	62.4	98.1	154.5	179.8	181.2	196.1	199.1
85°	11.9	10.4	7.4	16.3	40.1	72.8	118.9	154.5	157.5	157.5	154.5
87.5°	5.9	4.5	4.5	11.9	29.7	55.0	98.1	129.3	130.7	102.5	99.5
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)