

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: P1211909

Luminaire Tested: **GKO-PB2C-830-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211909
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-830-U-T2R
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

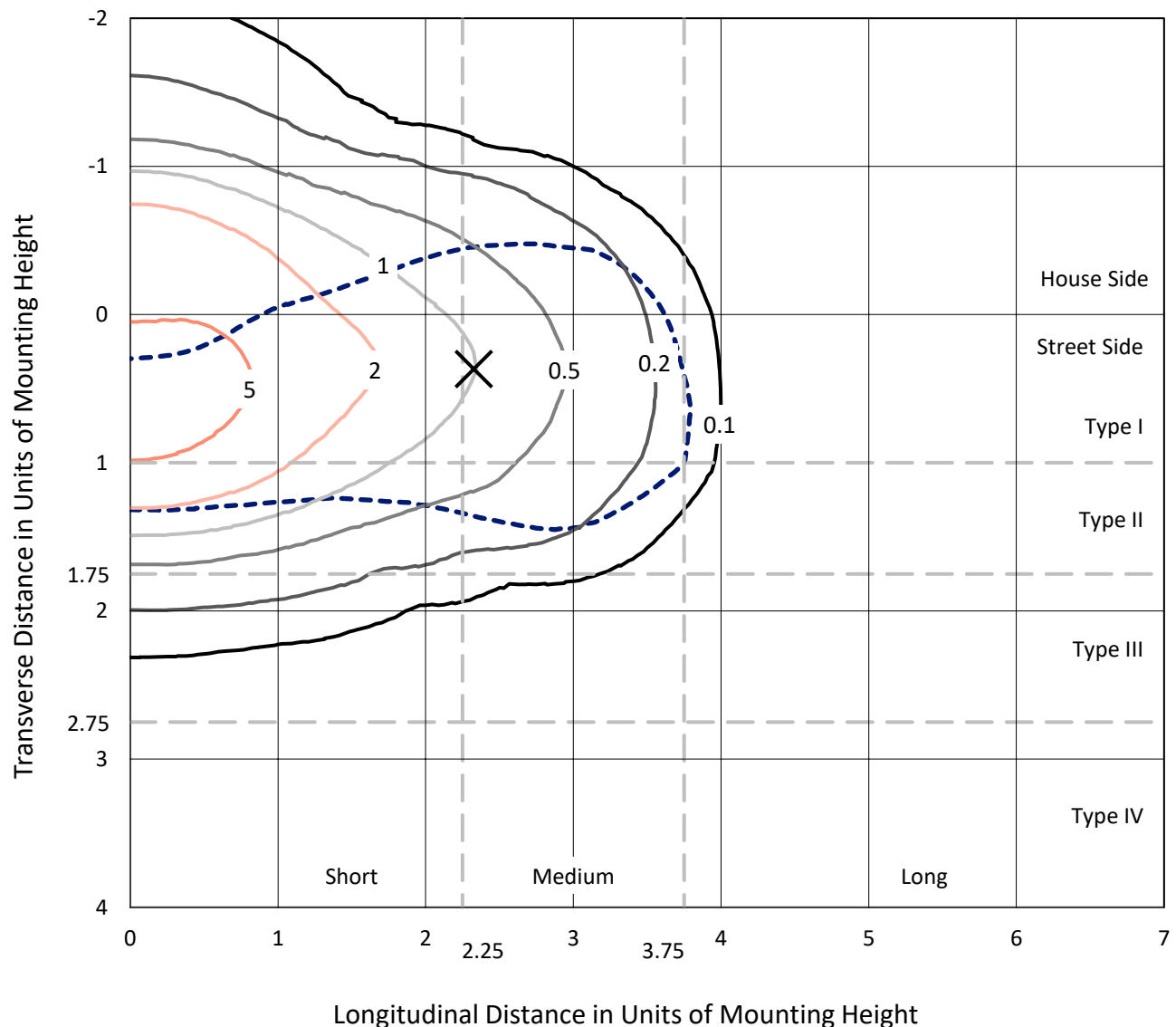
Lumens per Lamp: N/A
Luminaire Lumens: 7402.9 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

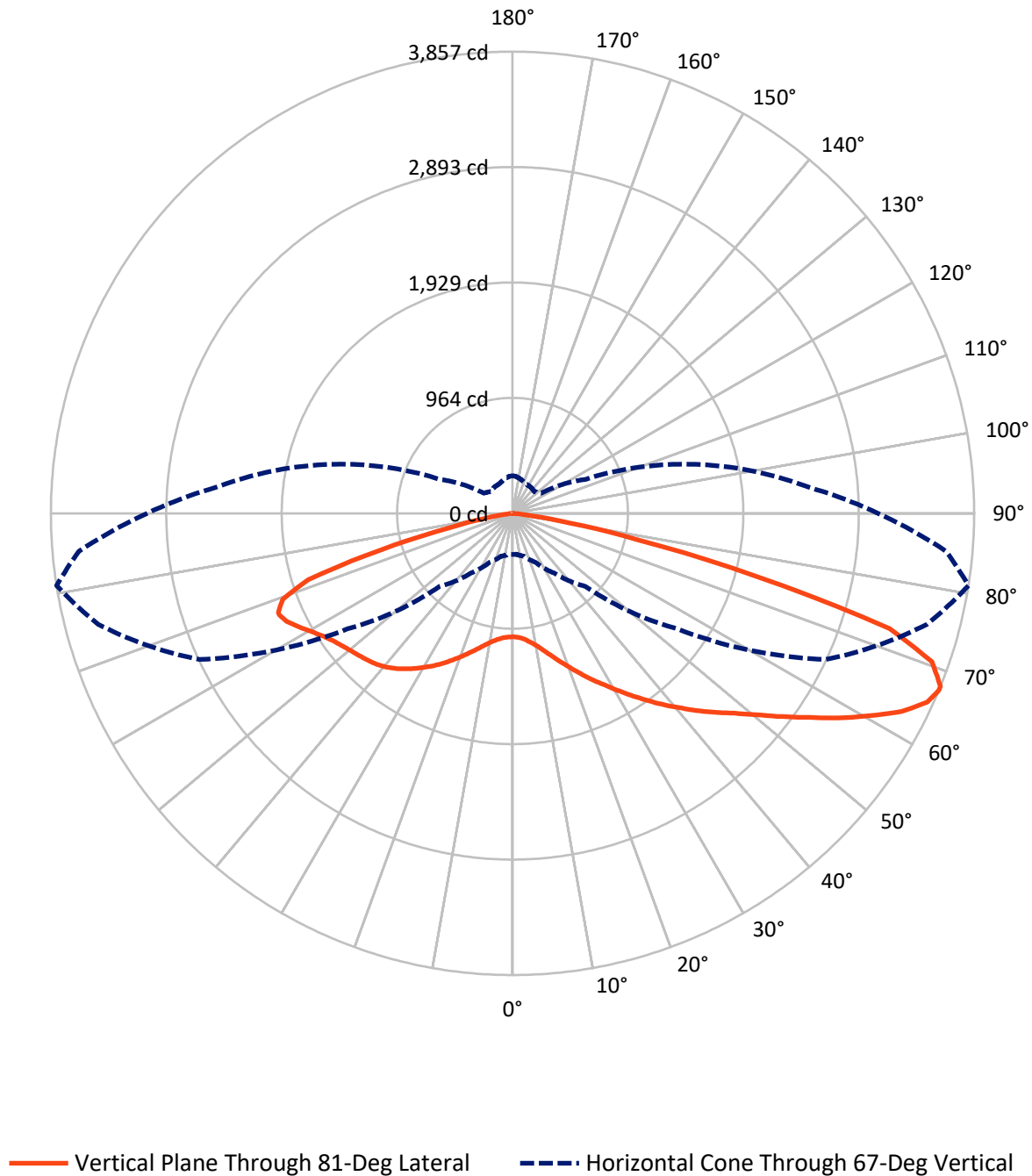
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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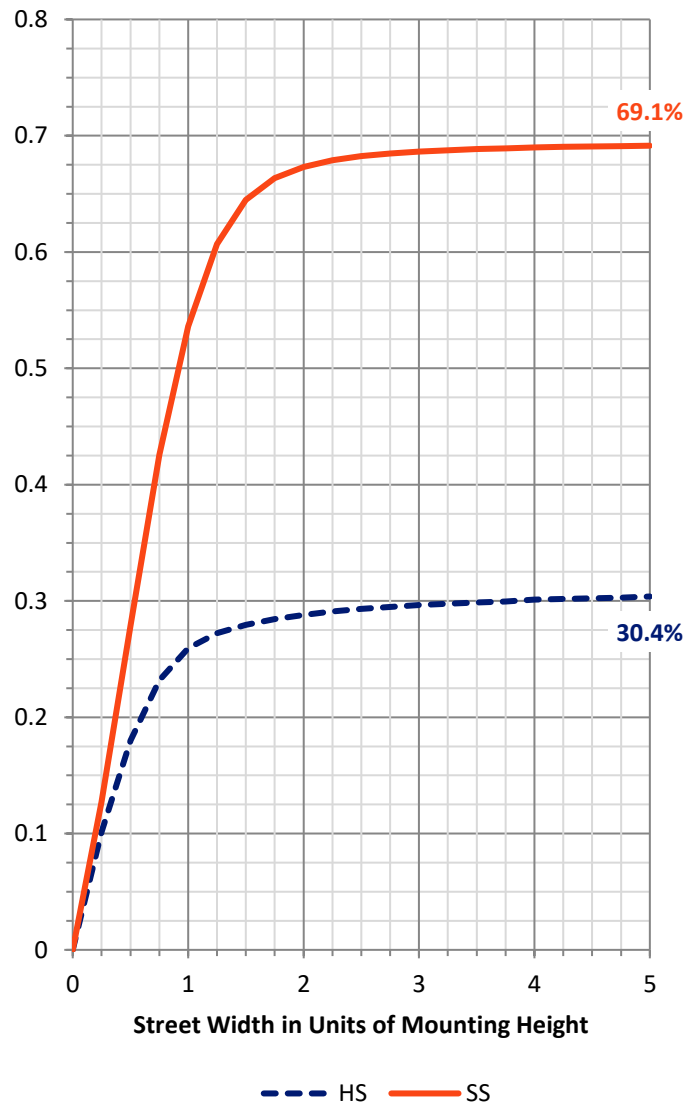
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2286.0	0.0	2286.0
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	5116.9	0.0	5116.9
	% Fixture	69.1	0.0	69.1
Total	Lumens	7402.9	0.0	7402.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	1.4
10°-20°	386.6	5.2
20°-30°	783.3	10.6
30°-40°	1235.1	16.7
40°-50°	1516.8	20.5
50°-60°	1449.0	19.6
60°-70°	1215.1	16.4
70°-80°	643.7	8.7
80°-90°	66.5	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°	7402.9	100.0
0°-180°	7402.9	100.0

Coefficient of Utilization



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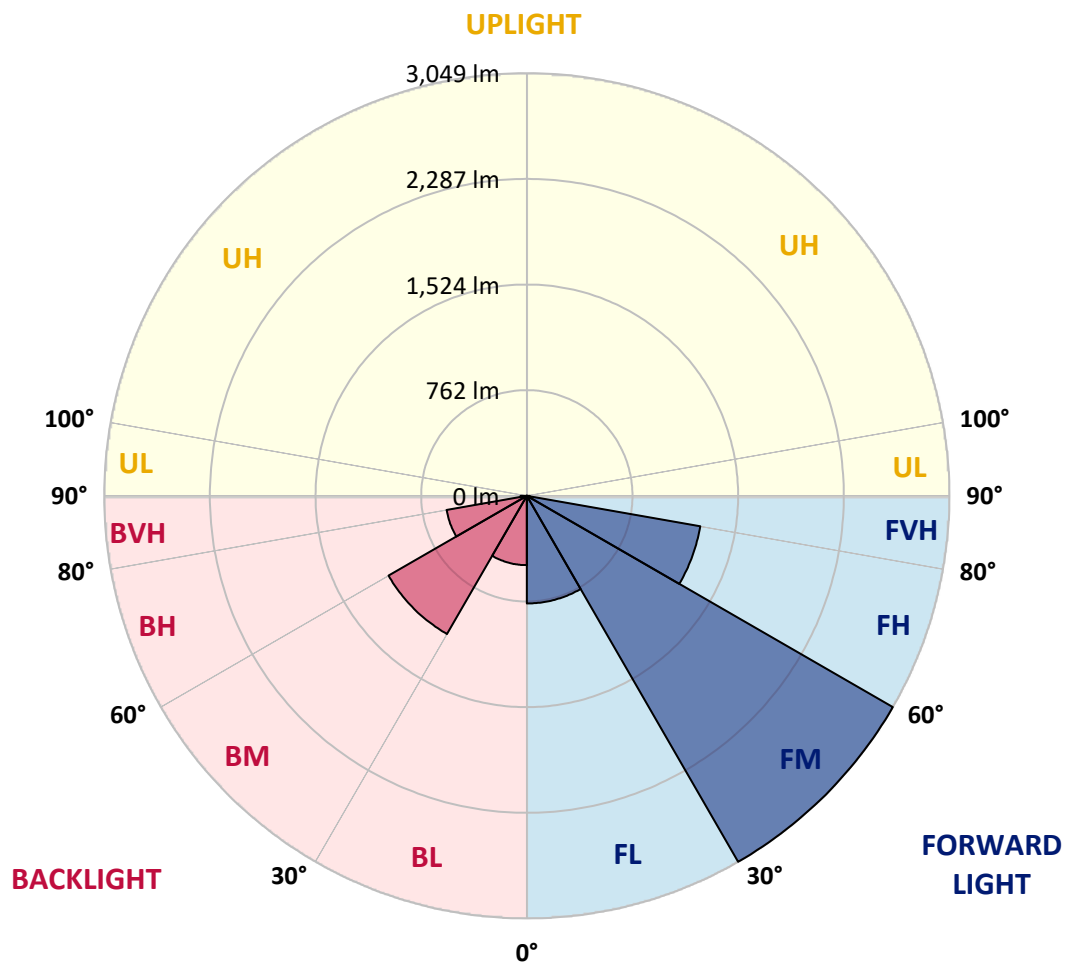
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	776.5	10.5			
FM	(30°-60°)	3049.0	41.2			
FH	(60°-80°)	1270.8	17.2			G1/1800
FVH	(80°-90°)	20.7	0.3			G1/100
BL	(0°-30°)	500.2	6.8	B2/1000		
BM	(30°-60°)	1151.8	15.6	B2/2500		
BH	(60°-80°)	588.0	7.9	B2/1000		G2/1000
BVH	(80°-90°)	45.8	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°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1090.7	1093.5	1087.9	1086.5	1080.8	1072.3	1062.4	1055.3	1044.0	1038.3	1035.5
5°	1194.1	1188.4	1184.2	1177.1	1157.3	1140.3	1112.0	1092.1	1070.9	1056.7	1052.5
7.5°	1320.2	1323.0	1308.8	1290.4	1262.1	1228.1	1182.8	1145.9	1106.3	1087.9	1079.4
10°	1457.6	1468.9	1454.7	1432.1	1378.3	1327.3	1272.0	1208.3	1154.4	1126.1	1114.8
12.5°	1624.7	1631.8	1613.4	1583.6	1518.5	1442.0	1364.1	1284.8	1213.9	1178.5	1158.7
15°	1811.7	1806.0	1787.6	1743.7	1660.1	1575.1	1468.9	1365.5	1281.9	1238.0	1209.7
17.5°	2004.3	1997.3	1973.2	1916.5	1821.6	1715.4	1589.3	1459.0	1354.2	1306.0	1267.8
20°	2188.5	2181.4	2164.4	2100.7	1985.9	1855.6	1708.3	1566.6	1436.3	1376.8	1334.3
22.5°	2392.5	2386.8	2359.9	2282.0	2158.7	2015.7	1844.3	1675.7	1525.6	1454.7	1403.7
25°	2613.4	2614.9	2585.1	2476.0	2337.2	2170.1	1990.2	1799.0	1626.1	1536.9	1478.8
27.5°	2871.2	2869.8	2818.8	2701.3	2527.0	2334.4	2134.7	1927.9	1725.3	1620.5	1553.9
30°	3105.0	3099.3	3042.6	2925.1	2723.9	2507.2	2287.6	2052.5	1837.2	1712.5	1631.8
32.5°	3277.8	3279.2	3232.4	3103.5	2906.7	2675.8	2430.7	2192.7	1944.9	1811.7	1722.5
35°	3402.4	3403.8	3358.5	3248.0	3063.9	2833.0	2582.3	2324.5	2065.3	1913.7	1817.4
37.5°	3442.1	3442.1	3412.3	3325.9	3175.8	2974.6	2731.0	2474.6	2185.7	2024.2	1913.7
40°	3388.3	3392.5	3391.1	3334.4	3231.0	3072.4	2868.4	2619.1	2320.2	2133.2	2011.4
42.5°	3266.4	3269.3	3273.5	3252.3	3219.7	3124.8	2978.9	2766.4	2454.8	2252.2	2107.7
45°	3065.3	3076.6	3097.9	3106.4	3119.1	3112.0	3046.9	2903.8	2604.9	2371.2	2202.7
47.5°	2810.3	2828.7	2857.1	2908.1	2978.9	3035.6	3063.9	3010.1	2750.8	2494.5	2308.9
50°	2456.2	2476.0	2552.5	2658.8	2799.0	2909.5	3017.1	3089.4	2913.7	2644.6	2427.9
52.5°	1966.1	2008.6	2137.5	2341.5	2582.3	2746.6	2918.0	3127.6	3079.5	2821.7	2569.5
55°	1495.8	1511.4	1677.1	1922.2	2293.3	2570.9	2782.0	3107.8	3235.3	3007.2	2731.0
57.5°	1045.4	1062.4	1206.9	1474.6	1885.4	2341.5	2646.0	3041.2	3376.9	3225.4	2916.6
60°	742.2	760.7	868.3	1066.6	1464.7	2007.2	2519.9	2956.2	3500.2	3432.2	3130.5
62.5°	539.7	549.6	606.3	773.4	1058.1	1569.5	2340.1	2901.0	3586.6	3647.5	3350.0
65°	413.6	423.5	456.1	560.9	781.9	1147.4	2017.1	2899.6	3609.2	3806.1	3539.8
67°	344.2	342.8	371.1	450.4	610.5	862.6	1684.2	2888.2	3583.7	3857.1	3636.2
67.5°	325.8	331.5	354.1	420.7	576.5	794.7	1612.0	2869.8	3575.2	3855.7	3643.2
70°	259.2	260.6	280.5	332.9	433.4	576.5	1160.1	2688.5	3446.3	3716.9	3563.9
72.5°	189.8	188.4	218.1	252.1	331.5	419.3	777.7	2257.9	3167.3	3293.4	3168.7
75°	140.2	138.8	154.4	192.6	236.6	313.0	504.3	1473.2	2144.6	2095.0	1934.9
77.5°	93.5	96.3	110.5	141.6	168.6	194.1	252.1	678.5	1181.4	1068.0	1028.4
80°	56.7	52.4	62.3	80.7	97.7	99.2	107.7	293.2	507.1	483.0	453.3
82.5°	19.8	19.8	24.1	32.6	32.6	32.6	39.7	70.8	100.6	92.1	87.8
85°	0.0	0.0	0.0	0.0	2.8	4.2	2.8	5.7	9.9	11.3	11.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8	4.2	5.7	5.7
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°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1035.5	1035.5	1031.2	1025.5	1022.7	1021.3	1017.0	1011.4	1015.6	1019.9	1019.9
5°	1049.6	1046.8	1038.3	1032.6	1028.4	1028.4	1022.7	1021.3	1025.5	1029.8	1028.4
7.5°	1072.3	1066.6	1056.7	1048.2	1049.6	1051.0	1042.5	1042.5	1046.8	1051.0	1051.0
10°	1103.5	1093.5	1083.6	1076.5	1078.0	1079.4	1070.9	1068.0	1072.3	1076.5	1079.4
12.5°	1143.1	1130.4	1119.0	1112.0	1110.5	1112.0	1103.5	1100.6	1100.6	1103.5	1103.5
15°	1189.9	1175.7	1161.5	1151.6	1148.8	1147.4	1136.0	1126.1	1126.1	1127.5	1127.5
17.5°	1243.7	1223.9	1205.4	1194.1	1187.0	1177.1	1164.4	1150.2	1145.9	1147.4	1147.4
20°	1297.5	1276.3	1252.2	1236.6	1222.4	1205.4	1185.6	1167.2	1158.7	1158.7	1157.3
22.5°	1359.8	1331.5	1298.9	1277.7	1252.2	1223.9	1195.5	1171.4	1162.9	1160.1	1160.1
25°	1423.6	1391.0	1344.3	1311.7	1274.8	1233.8	1196.9	1164.4	1150.2	1144.5	1144.5
27.5°	1488.7	1450.5	1389.6	1342.8	1289.0	1232.4	1182.8	1141.7	1121.9	1114.8	1112.0
30°	1562.4	1507.2	1429.2	1365.5	1291.8	1219.6	1155.9	1107.7	1078.0	1061.0	1062.4
32.5°	1638.9	1569.5	1466.1	1379.7	1287.6	1195.5	1114.8	1053.9	1015.6	1000.0	994.4
35°	1716.8	1629.0	1498.7	1386.8	1273.4	1158.7	1062.4	994.4	951.9	929.2	929.2
37.5°	1796.1	1691.3	1521.3	1385.3	1247.9	1110.5	1001.5	929.2	879.6	851.3	844.2
40°	1874.0	1749.4	1538.3	1374.0	1209.7	1052.5	936.3	858.4	791.8	755.0	749.3
42.5°	1950.5	1797.5	1546.8	1355.6	1164.4	988.7	862.6	757.8	694.1	660.1	658.7
45°	2019.9	1835.8	1548.2	1331.5	1104.9	916.5	763.5	662.9	599.2	563.8	563.8
47.5°	2087.9	1878.3	1546.8	1300.3	1039.7	823.0	658.7	560.9	502.9	480.2	473.1
50°	2170.1	1920.8	1545.4	1262.1	956.1	711.1	556.7	473.1	423.5	400.9	400.9
52.5°	2253.6	1970.3	1548.2	1208.3	857.0	602.0	466.0	392.4	359.8	345.6	344.2
55°	2361.3	2022.8	1555.3	1144.5	753.6	495.8	388.1	338.5	315.9	308.8	310.2
57.5°	2491.6	2095.0	1569.5	1069.5	633.2	406.5	332.9	306.0	300.3	303.1	304.5
60°	2640.4	2184.2	1589.3	984.5	526.9	338.5	300.3	294.6	300.3	311.6	313.0
62.5°	2813.2	2291.9	1614.8	889.6	422.1	297.5	286.1	290.4	294.6	313.0	314.5
65°	2966.1	2408.0	1620.5	777.7	342.8	270.6	277.6	280.5	291.8	313.0	314.5
67°	3052.6	2487.4	1582.2	671.4	293.2	256.4	266.3	269.1	289.0	310.2	313.0
67.5°	3062.5	2504.4	1556.7	644.5	283.3	253.6	263.5	269.1	289.0	310.2	311.6
70°	3032.7	2493.0	1386.8	485.9	233.7	233.7	245.1	257.8	277.6	300.3	310.2
72.5°	2767.8	2273.5	1073.7	330.0	198.3	211.1	228.1	246.5	264.9	291.8	308.8
75°	1749.4	1463.2	657.3	221.0	165.7	188.4	215.3	236.6	252.1	272.0	283.3
77.5°	934.9	723.8	283.3	130.3	130.3	167.1	199.7	219.6	228.1	235.1	242.2
80°	441.9	337.1	137.4	77.9	90.7	130.3	177.1	198.3	201.1	209.6	212.5
82.5°	87.8	76.5	45.3	41.1	59.5	93.5	147.3	171.4	172.8	187.0	189.8
85°	11.3	9.9	7.1	15.6	38.2	69.4	113.3	147.3	150.1	150.1	147.3
87.5°	5.7	4.2	4.2	11.3	28.3	52.4	93.5	123.2	124.7	97.7	94.9
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)