

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: P1211890

Luminaire Tested: **GKO-PB2B-735-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211890
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-735-U-T2R
Description: GEKKO WALL PACK 6000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6160.4 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

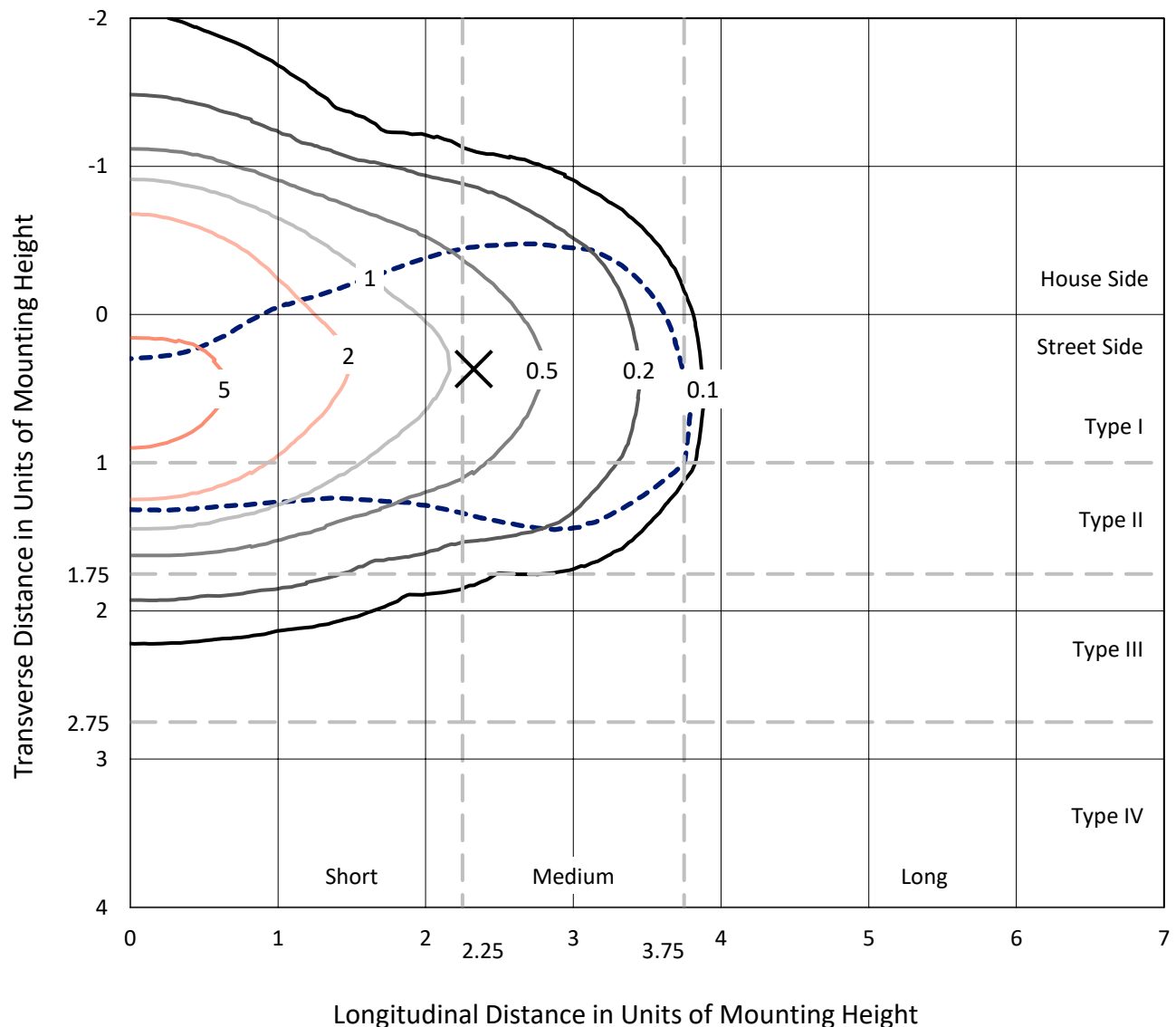
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

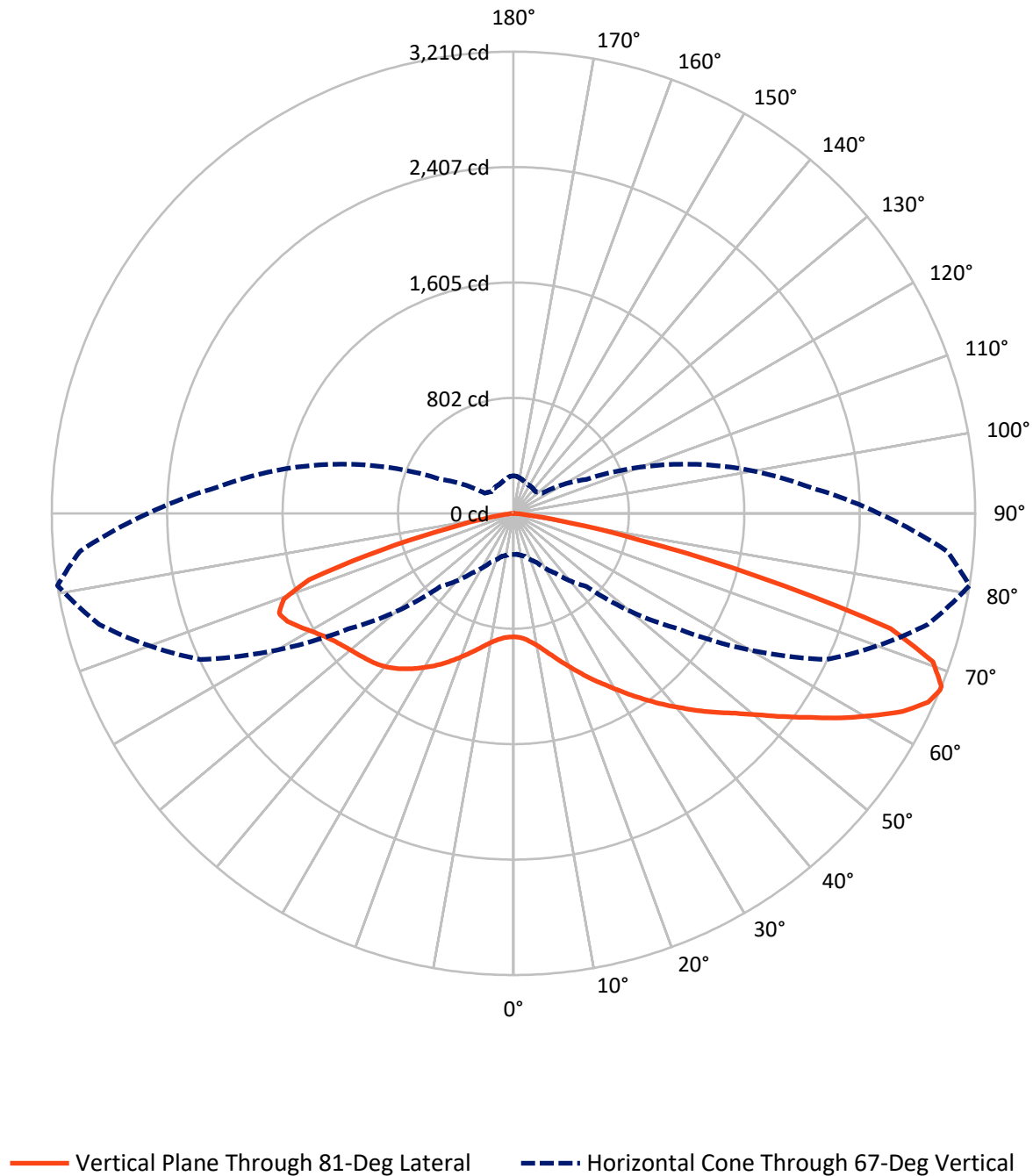
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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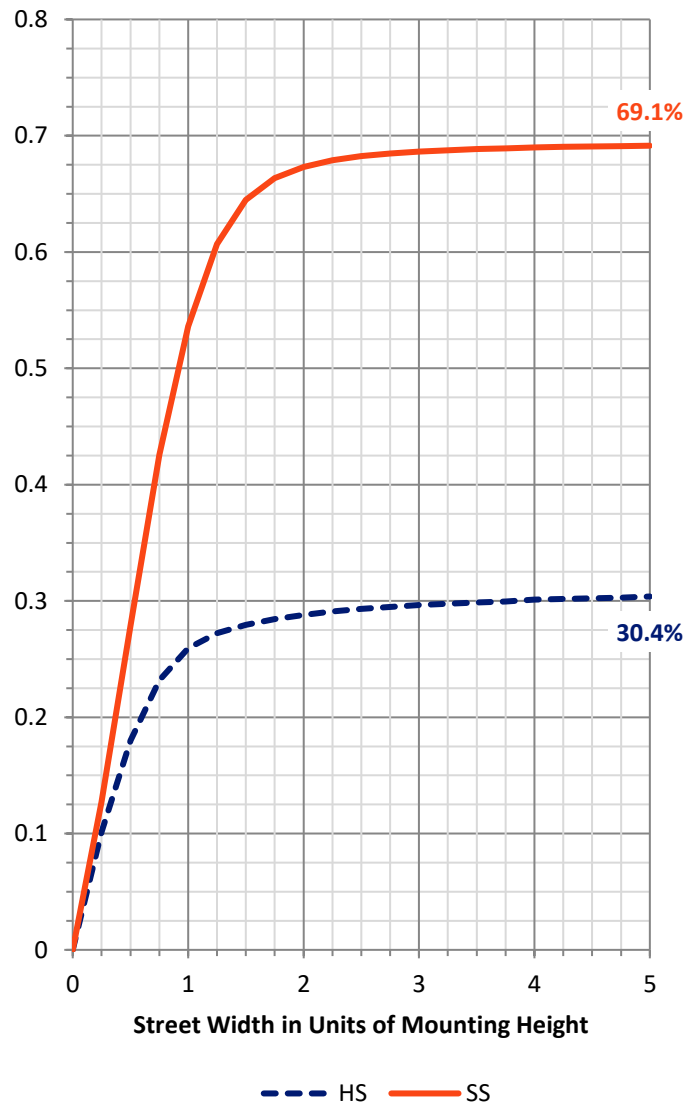
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1902.3	0.0	1902.3
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	4258.1	0.0	4258.1
	% Fixture	69.1	0.0	69.1
Total	Lumens	6160.4	0.0	6160.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	1.4
10°-20°	321.8	5.2
20°-30°	651.8	10.6
30°-40°	1027.8	16.7
40°-50°	1262.2	20.5
50°-60°	1205.8	19.6
60°-70°	1011.2	16.4
70°-80°	535.7	8.7
80°-90°	55.3	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°	6160.4	100.0
0°-180°	6160.4	100.0



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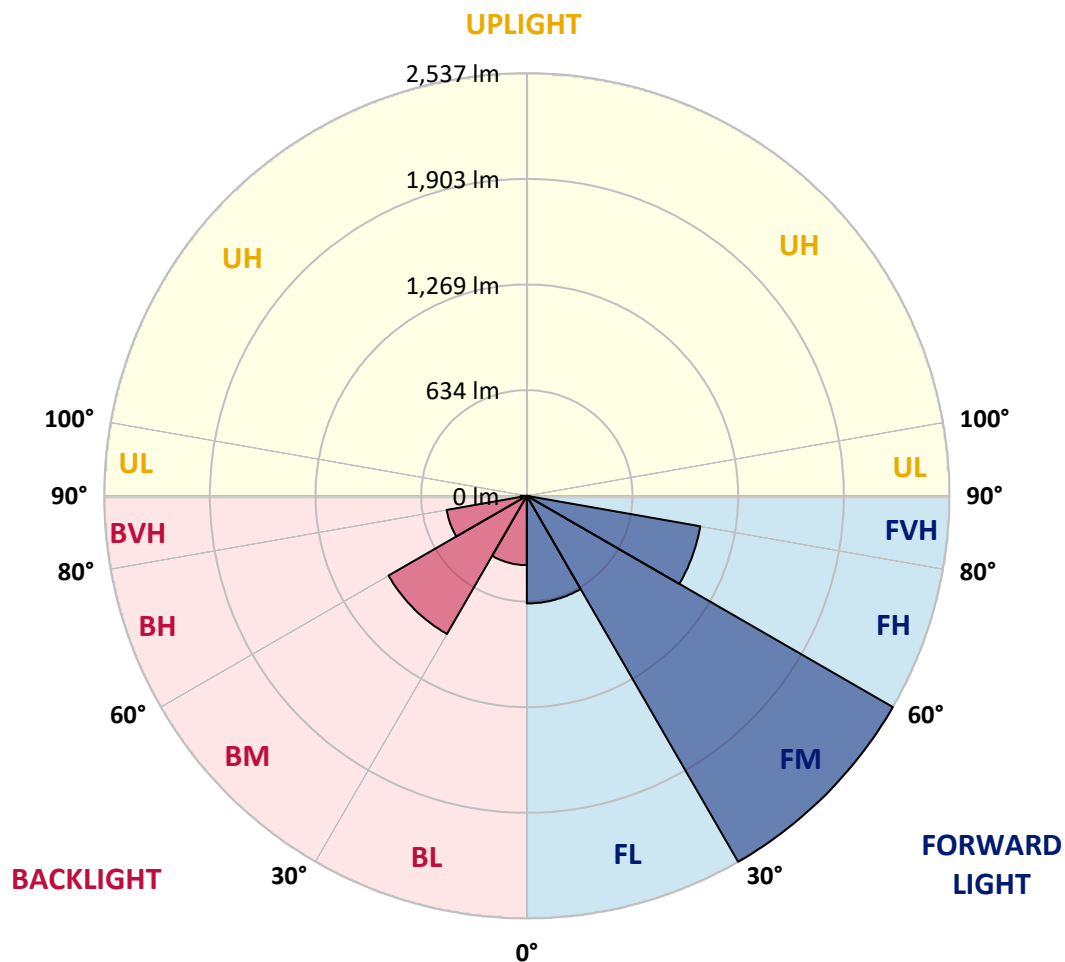
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	646.1	10.5			
FM	(30°-60°)	2537.2	41.2			
FH	(60°-80°)	1057.5	17.2			G1/1800
FVH	(80°-90°)	17.2	0.3			G1/100
BL	(0°-30°)	416.3	6.8	B1/500		
BM	(30°-60°)	958.5	15.6	B1/1000		
BH	(60°-80°)	489.3	7.9	B1/500		G1/500
BVH	(80°-90°)	38.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1
2.5°	907.6	910.0	905.3	904.1	899.4	892.3	884.1	878.2	868.7	864.0	861.7
5°	993.7	989.0	985.4	979.5	963.0	948.9	925.3	908.8	891.1	879.4	875.8
7.5°	1098.6	1101.0	1089.2	1073.8	1050.3	1022.0	984.3	953.6	920.6	905.3	898.2
10°	1212.9	1222.4	1210.6	1191.7	1146.9	1104.5	1058.5	1005.5	960.7	937.1	927.7
12.5°	1352.0	1357.9	1342.6	1317.9	1263.6	1200.0	1135.1	1069.1	1010.2	980.7	964.2
15°	1507.6	1502.9	1487.6	1451.1	1381.5	1310.8	1222.4	1136.3	1066.8	1030.2	1006.7
17.5°	1667.9	1662.0	1642.0	1594.9	1515.9	1427.5	1322.6	1214.1	1126.9	1086.8	1055.0
20°	1821.2	1815.3	1801.1	1748.1	1652.6	1544.2	1421.6	1303.7	1195.3	1145.8	1110.4
22.5°	1990.9	1986.2	1963.8	1899.0	1796.4	1677.4	1534.7	1394.5	1269.5	1210.6	1168.1
25°	2174.8	2176.0	2151.2	2060.5	1945.0	1805.9	1656.2	1497.0	1353.2	1279.0	1230.6
27.5°	2389.3	2388.2	2345.7	2247.9	2102.9	1942.6	1776.4	1604.3	1435.7	1348.5	1293.1
30°	2583.8	2579.1	2532.0	2434.1	2266.8	2086.4	1903.7	1708.0	1528.8	1425.1	1357.9
32.5°	2727.6	2728.8	2689.9	2582.7	2418.8	2226.7	2022.7	1824.7	1618.4	1507.6	1433.4
35°	2831.4	2832.6	2794.8	2702.9	2549.7	2357.5	2148.9	1934.3	1718.6	1592.5	1512.3
37.5°	2864.4	2864.4	2839.6	2767.7	2642.8	2475.4	2272.6	2059.3	1818.8	1684.4	1592.5
40°	2819.6	2823.1	2821.9	2774.8	2688.7	2556.7	2387.0	2179.5	1930.8	1775.2	1673.8
42.5°	2718.2	2720.6	2724.1	2706.4	2679.3	2600.3	2478.9	2302.1	2042.8	1874.2	1754.0
45°	2550.8	2560.3	2577.9	2585.0	2595.6	2589.7	2535.5	2416.5	2167.7	1973.2	1833.0
47.5°	2338.7	2354.0	2377.6	2420.0	2478.9	2526.1	2549.7	2504.9	2289.1	2075.8	1921.4
50°	2044.0	2060.5	2124.1	2212.5	2329.2	2421.2	2510.8	2570.9	2424.7	2200.7	2020.4
52.5°	1636.1	1671.5	1778.7	1948.5	2148.9	2285.6	2428.2	2602.7	2562.6	2348.1	2138.3
55°	1244.8	1257.7	1395.6	1599.6	1908.4	2139.4	2315.1	2586.2	2692.3	2502.5	2272.6
57.5°	869.9	884.1	1004.3	1227.1	1568.9	1948.5	2201.9	2530.8	2810.2	2684.0	2427.1
60°	617.7	633.0	722.6	887.6	1218.8	1670.3	2097.0	2460.1	2912.7	2856.1	2605.1
62.5°	449.1	457.4	504.5	643.6	880.5	1306.1	1947.3	2414.1	2984.6	3035.3	2787.8
65°	344.2	352.4	379.6	466.8	650.7	954.8	1678.6	2412.9	3003.5	3167.3	2945.7
67°	286.4	285.3	308.8	374.8	508.0	717.9	1401.5	2403.5	2982.3	3209.8	3025.9
67.5°	271.1	275.8	294.7	350.1	479.8	661.3	1341.4	2388.2	2975.2	3208.6	3031.8
70°	215.7	216.9	233.4	277.0	360.7	479.8	965.4	2237.3	2867.9	3093.1	2965.8
72.5°	158.0	156.8	181.5	209.8	275.8	348.9	647.1	1878.9	2635.7	2740.6	2636.9
75°	116.7	115.5	128.5	160.3	196.9	260.5	419.6	1225.9	1784.6	1743.4	1610.2
77.5°	77.8	80.2	91.9	117.9	140.3	161.5	209.8	564.6	983.1	888.8	855.8
80°	47.2	43.6	51.9	67.2	81.3	82.5	89.6	244.0	422.0	402.0	377.2
82.5°	16.5	16.5	20.0	27.1	27.1	27.1	33.0	58.9	83.7	76.6	73.1
85°	0.0	0.0	0.0	0.0	2.4	3.5	2.4	4.7	8.3	9.4	9.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	3.5	4.7	4.7
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°	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1	858.1
2.5°	861.7	861.7	858.1	853.4	851.1	849.9	846.3	841.6	845.2	848.7	848.7
5°	873.5	871.1	864.0	859.3	855.8	855.8	851.1	849.9	853.4	857.0	855.8
7.5°	892.3	887.6	879.4	872.3	873.5	874.6	867.6	867.6	871.1	874.6	874.6
10°	918.3	910.0	901.7	895.9	897.0	898.2	891.1	888.8	892.3	895.9	898.2
12.5°	951.3	940.6	931.2	925.3	924.1	925.3	918.3	915.9	915.9	918.3	918.3
15°	990.2	978.4	966.6	958.3	956.0	954.8	945.4	937.1	937.1	938.3	938.3
17.5°	1034.9	1018.4	1003.1	993.7	987.8	979.5	968.9	957.2	953.6	954.8	954.8
20°	1079.7	1062.1	1042.0	1029.1	1017.3	1003.1	986.6	971.3	964.2	964.2	963.0
22.5°	1131.6	1108.0	1080.9	1063.2	1042.0	1018.4	994.9	974.8	967.8	965.4	965.4
25°	1184.7	1157.5	1118.6	1091.5	1060.9	1026.7	996.1	968.9	957.2	952.4	952.4
27.5°	1238.9	1207.0	1156.4	1117.5	1072.7	1025.5	984.3	950.1	933.6	927.7	925.3
30°	1300.2	1254.2	1189.4	1136.3	1075.0	1014.9	961.9	921.8	897.0	882.9	884.1
32.5°	1363.8	1306.1	1220.0	1148.1	1071.5	994.9	927.7	877.0	845.2	832.2	827.5
35°	1428.7	1355.6	1247.1	1154.0	1059.7	964.2	884.1	827.5	792.1	773.3	773.3
37.5°	1494.7	1407.4	1266.0	1152.8	1038.5	924.1	833.4	773.3	732.0	708.4	702.5
40°	1559.5	1455.8	1280.1	1143.4	1006.7	875.8	779.2	714.3	658.9	628.3	623.6
42.5°	1623.1	1495.8	1287.2	1128.1	968.9	822.8	717.9	630.6	577.6	549.3	548.1
45°	1680.9	1527.7	1288.4	1108.0	919.4	762.7	635.4	551.7	498.6	469.1	469.1
47.5°	1737.5	1563.0	1287.2	1082.1	865.2	684.9	548.1	466.8	418.5	399.6	393.7
50°	1805.9	1598.4	1286.0	1050.3	795.7	591.7	463.3	393.7	352.4	333.6	333.6
52.5°	1875.4	1639.7	1288.4	1005.5	713.1	501.0	387.8	326.5	299.4	287.6	286.4
55°	1965.0	1683.3	1294.3	952.4	627.1	412.6	323.0	281.7	262.9	257.0	258.1
57.5°	2073.4	1743.4	1306.1	890.0	526.9	338.3	277.0	254.6	249.9	252.3	253.4
60°	2197.2	1817.6	1322.6	819.2	438.5	281.7	249.9	245.2	249.9	259.3	260.5
62.5°	2341.0	1907.2	1343.8	740.3	351.3	247.5	238.1	241.6	245.2	260.5	261.7
65°	2468.3	2003.9	1348.5	647.1	285.3	225.1	231.0	233.4	242.8	260.5	261.7
67°	2540.2	2069.9	1316.7	558.7	244.0	213.4	221.6	224.0	240.5	258.1	260.5
67.5°	2548.5	2084.0	1295.5	536.3	235.8	211.0	219.2	224.0	240.5	258.1	259.3
70°	2523.7	2074.6	1154.0	404.3	194.5	194.5	203.9	214.5	231.0	249.9	258.1
72.5°	2303.3	1891.9	893.5	274.7	165.0	175.6	189.8	205.1	220.4	242.8	257.0
75°	1455.8	1217.7	546.9	183.9	137.9	156.8	179.2	196.9	209.8	226.3	235.8
77.5°	778.0	602.3	235.8	108.4	108.4	139.1	166.2	182.7	189.8	195.7	201.6
80°	367.8	280.5	114.3	64.8	75.4	108.4	147.3	165.0	167.4	174.5	176.8
82.5°	73.1	63.7	37.7	34.2	49.5	77.8	122.6	142.6	143.8	155.6	158.0
85°	9.4	8.3	5.9	13.0	31.8	57.8	94.3	122.6	124.9	124.9	122.6
87.5°	4.7	3.5	3.5	9.4	23.6	43.6	77.8	102.6	103.7	81.3	79.0
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)