

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: P1212012

Luminaire Tested: **GKO-PB1E-827-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212012
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-827-U-T1
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

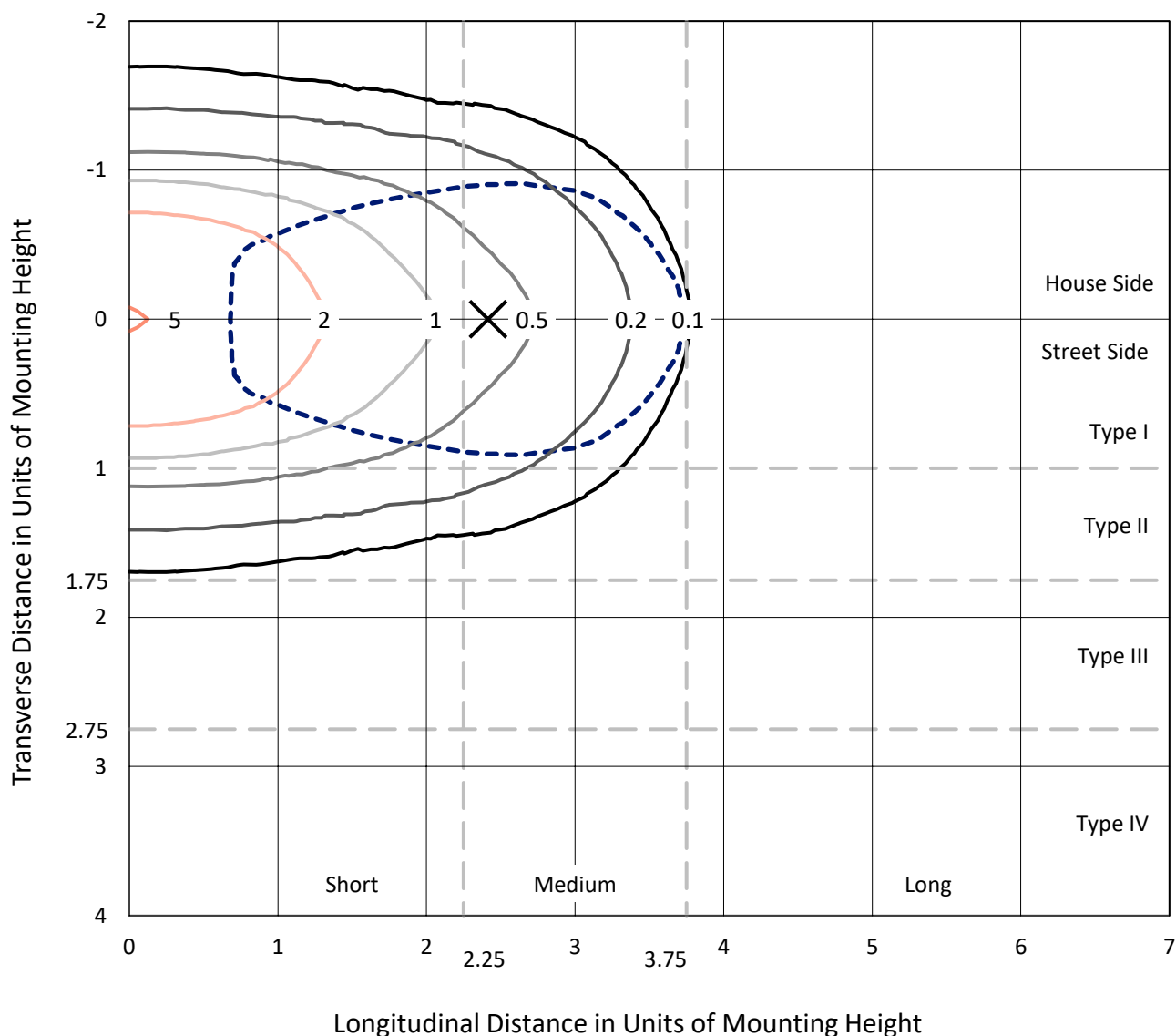
Lumens per Lamp: N/A
Luminaire Lumens: 4601.2 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
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

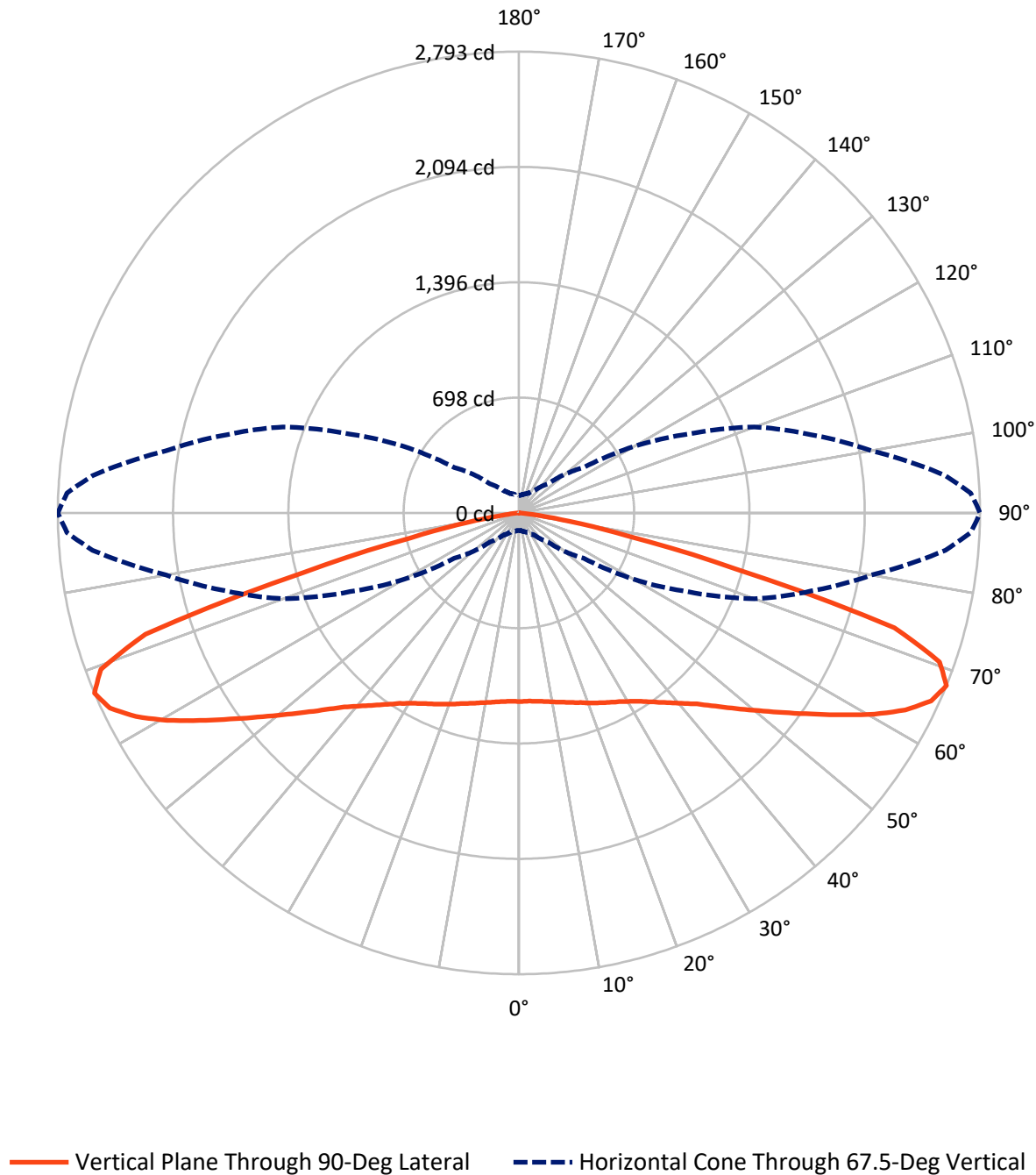
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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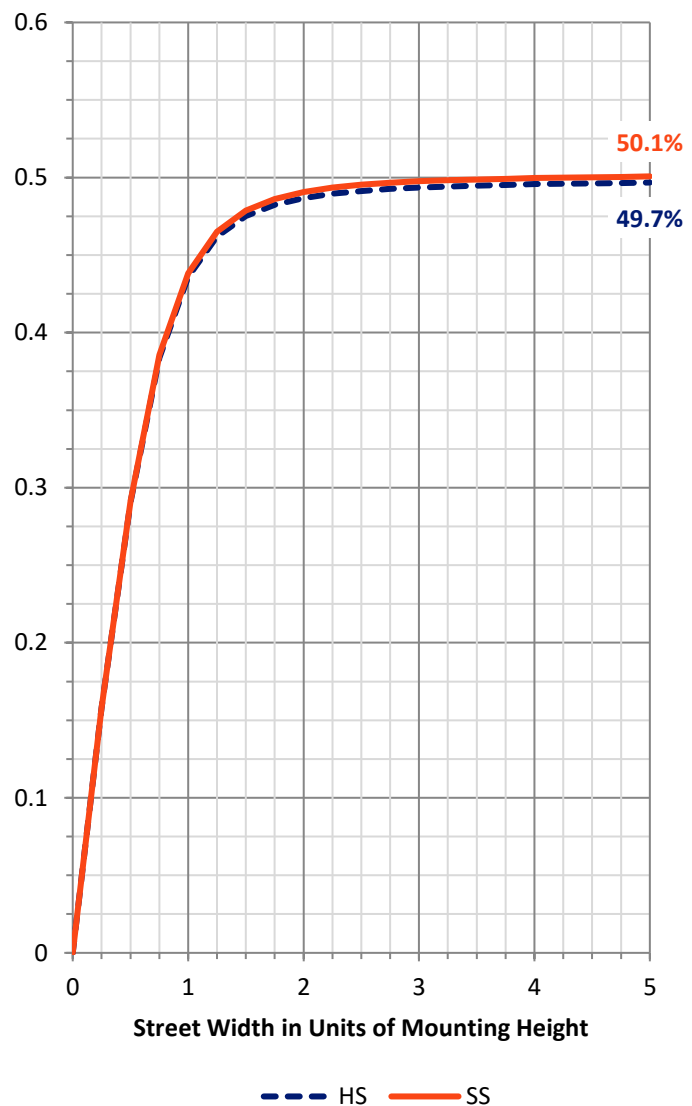
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2300.6	0.0	2300.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2300.6	0.0	2300.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4601.2	0.0	4601.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	2.4
10°-20°	330.0	7.2
20°-30°	548.7	11.9
30°-40°	728.9	15.8
40°-50°	821.8	17.9
50°-60°	845.0	18.4
60°-70°	798.5	17.4
70°-80°	390.9	8.5
80°-90°	28.0	0.6
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°	4601.2	100.0
0°-180°	4601.2	100.0

Coefficient of Utilization



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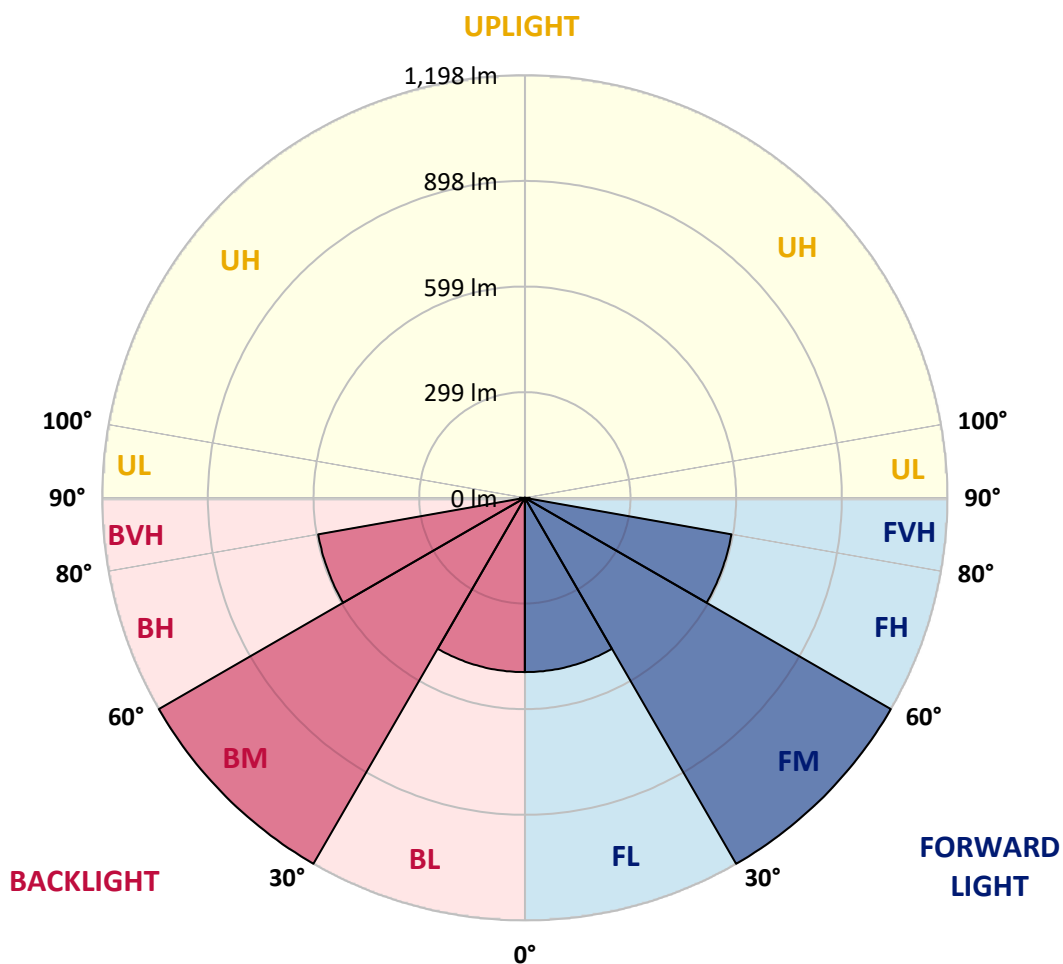
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	494.1	10.7			
FM	(30°-60°)	1197.8	26.0			
FH	(60°-80°)	594.7	12.9			G0/660
FVH	(80°-90°)	14.0	0.3			G1/100
BL	(0°-30°)	494.1	10.7	B1/500		
BM	(30°-60°)	1197.8	26.0	B2/2500		
BH	(60°-80°)	594.7	12.9	B2/1000		G2/1000
BVH	(80°-90°)	14.0	0.3			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8	1141.8
2.5°	1142.6	1144.3	1140.9	1140.9	1142.6	1143.5	1143.5	1144.3	1142.6	1142.6	1141.8
5°	1142.6	1143.5	1141.8	1141.8	1143.5	1146.0	1145.1	1146.8	1146.8	1146.0	1146.0
7.5°	1141.8	1143.5	1141.8	1142.6	1145.1	1150.2	1150.2	1150.2	1151.9	1153.6	1153.6
10°	1140.9	1142.6	1143.5	1144.3	1147.7	1155.3	1157.0	1157.9	1160.4	1163.0	1163.0
12.5°	1136.7	1138.4	1140.9	1144.3	1150.2	1160.4	1163.8	1166.4	1170.6	1173.1	1174.8
15°	1130.7	1131.6	1137.5	1144.3	1153.6	1166.4	1173.1	1177.4	1183.3	1186.7	1189.3
17.5°	1122.2	1123.1	1132.4	1142.6	1156.2	1174.0	1185.0	1191.8	1197.7	1202.8	1206.2
20°	1111.2	1113.8	1124.8	1140.9	1160.4	1181.6	1197.7	1209.6	1215.6	1220.6	1225.7
22.5°	1097.6	1100.2	1113.8	1136.7	1164.7	1191.8	1213.0	1228.3	1235.9	1242.7	1248.6
25°	1077.3	1080.7	1096.8	1126.5	1166.4	1202.8	1230.0	1249.5	1256.3	1264.8	1269.8
27.5°	1045.9	1048.4	1068.0	1106.1	1161.3	1214.7	1249.5	1272.4	1280.0	1289.4	1294.4
30°	996.7	1001.8	1025.5	1073.0	1148.5	1224.0	1272.4	1295.3	1304.6	1314.0	1320.7
32.5°	933.1	940.7	967.0	1028.1	1123.9	1227.4	1297.0	1323.3	1335.2	1345.3	1353.8
35°	854.2	861.8	893.2	970.4	1084.9	1220.6	1321.6	1355.5	1369.9	1383.5	1393.7
37.5°	764.3	771.1	809.2	897.5	1028.9	1199.4	1341.1	1391.1	1410.7	1428.5	1442.0
40°	673.5	681.2	722.7	816.9	961.1	1158.7	1349.6	1430.2	1454.8	1477.7	1494.6
42.5°	575.1	584.5	631.1	731.2	882.2	1102.7	1342.8	1468.3	1498.9	1530.3	1555.7
45°	487.7	489.4	540.3	637.0	795.7	1030.6	1319.0	1504.8	1546.4	1590.5	1627.0
47.5°	403.8	407.2	451.3	547.1	705.8	949.2	1275.8	1533.7	1599.8	1656.6	1710.1
50°	329.1	333.4	373.2	458.9	615.8	860.1	1217.3	1550.6	1645.6	1722.8	1797.5
52.5°	268.0	273.1	306.2	381.7	525.1	766.8	1145.1	1553.2	1687.2	1789.0	1888.2
55°	223.1	226.5	251.9	312.2	437.7	670.1	1062.9	1540.4	1714.3	1848.4	1980.7
57.5°	188.3	191.7	209.5	257.0	358.8	570.9	962.8	1510.7	1728.8	1900.1	2074.0
60°	163.7	166.3	179.0	212.9	295.2	477.6	855.0	1458.2	1724.5	1932.3	2151.2
62.5°	145.9	146.7	157.8	181.5	243.5	389.4	733.7	1379.3	1689.7	1936.6	2203.8
65°	129.8	130.6	137.4	154.4	200.2	313.0	607.4	1270.7	1623.6	1906.9	2211.4
67.5°	105.2	106.9	117.1	129.8	164.6	247.7	478.4	1128.2	1520.1	1829.7	2168.1
70°	84.0	84.8	95.0	109.4	134.0	195.1	367.3	936.5	1358.1	1704.2	2056.2
72.5°	62.8	64.5	73.8	88.2	109.4	151.0	265.5	708.3	1085.8	1437.0	1790.7
75°	50.0	50.9	54.3	67.9	84.8	114.5	179.0	429.2	654.0	889.0	1097.6
77.5°	42.4	43.3	43.3	52.6	62.8	77.2	95.0	170.5	276.5	393.6	521.7
80°	34.8	36.5	33.1	39.0	45.0	45.0	44.1	81.4	130.6	184.9	242.6
82.5°	25.4	27.1	25.4	27.1	27.1	24.6	22.9	30.5	41.6	56.8	61.9
85°	17.8	18.7	20.4	18.7	17.8	14.4	11.0	8.5	5.1	5.9	8.5
87.5°	11.9	14.4	17.0	16.1	13.6	11.0	7.6	5.1	2.5	3.4	3.4
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):

	85°	87.5°	90°
0°	1141.8	1141.8	1141.8
2.5°	1142.6	1141.8	1140.9
5°	1146.8	1146.0	1145.1
7.5°	1152.8	1152.8	1152.8
10°	1162.1	1163.8	1163.8
12.5°	1174.0	1175.7	1175.7
15°	1188.4	1189.3	1191.0
17.5°	1206.2	1207.1	1207.1
20°	1227.4	1226.6	1228.3
22.5°	1248.6	1248.6	1248.6
25°	1270.7	1270.7	1270.7
27.5°	1296.1	1296.1	1294.4
30°	1324.1	1324.1	1324.1
32.5°	1358.1	1358.9	1359.8
35°	1401.3	1403.0	1405.6
37.5°	1450.5	1454.8	1457.3
40°	1509.1	1510.7	1515.0
42.5°	1574.4	1579.5	1580.3
45°	1655.8	1664.3	1667.7
47.5°	1751.7	1763.5	1769.5
50°	1858.5	1872.1	1880.6
52.5°	1974.7	1996.8	2007.0
55°	2098.6	2136.8	2147.8
57.5°	2238.6	2290.3	2305.6
60°	2376.0	2448.9	2473.5
62.5°	2493.0	2595.7	2626.2
65°	2575.3	2699.2	2744.1
67.5°	2592.3	2739.0	2792.5
70°	2490.5	2640.6	2702.6
72.5°	2165.6	2301.3	2378.5
75°	1279.2	1376.7	1353.0
77.5°	642.1	670.1	674.4
80°	281.6	298.6	305.4
82.5°	69.6	71.3	80.6
85°	9.3	11.0	10.2
87.5°	3.4	3.4	4.2
90°	0.0	0.0	0.0

(END OF REPORT)