

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: P1211919

Luminaire Tested: **GKO-PB2C-835-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211919
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-835-U-T2R
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

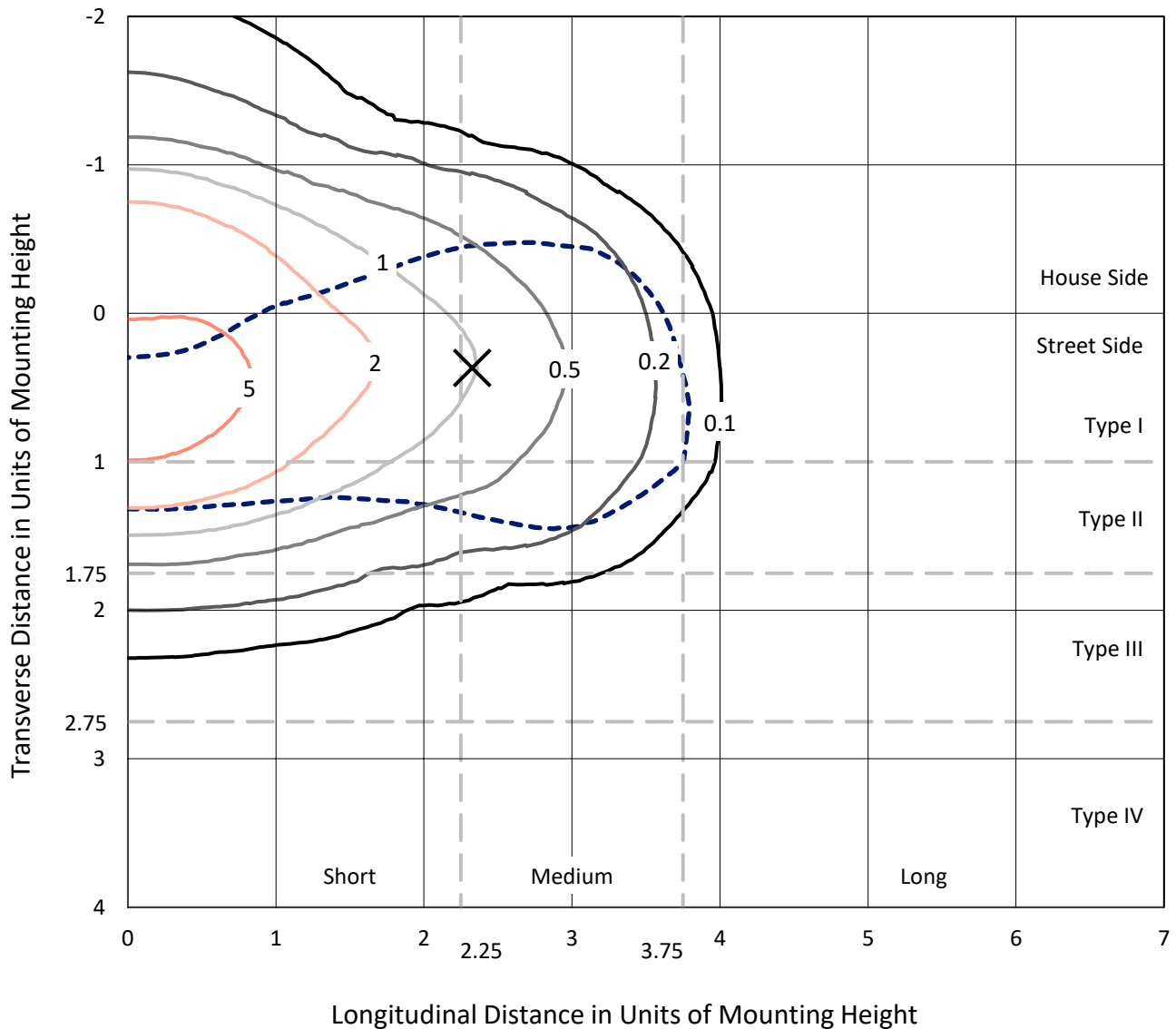
Lumens per Lamp: N/A
Luminaire Lumens: 7520.5 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

REPORT NUMBER: P1211919
 CATALOG NUMBER: GKO-PB2C-835-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

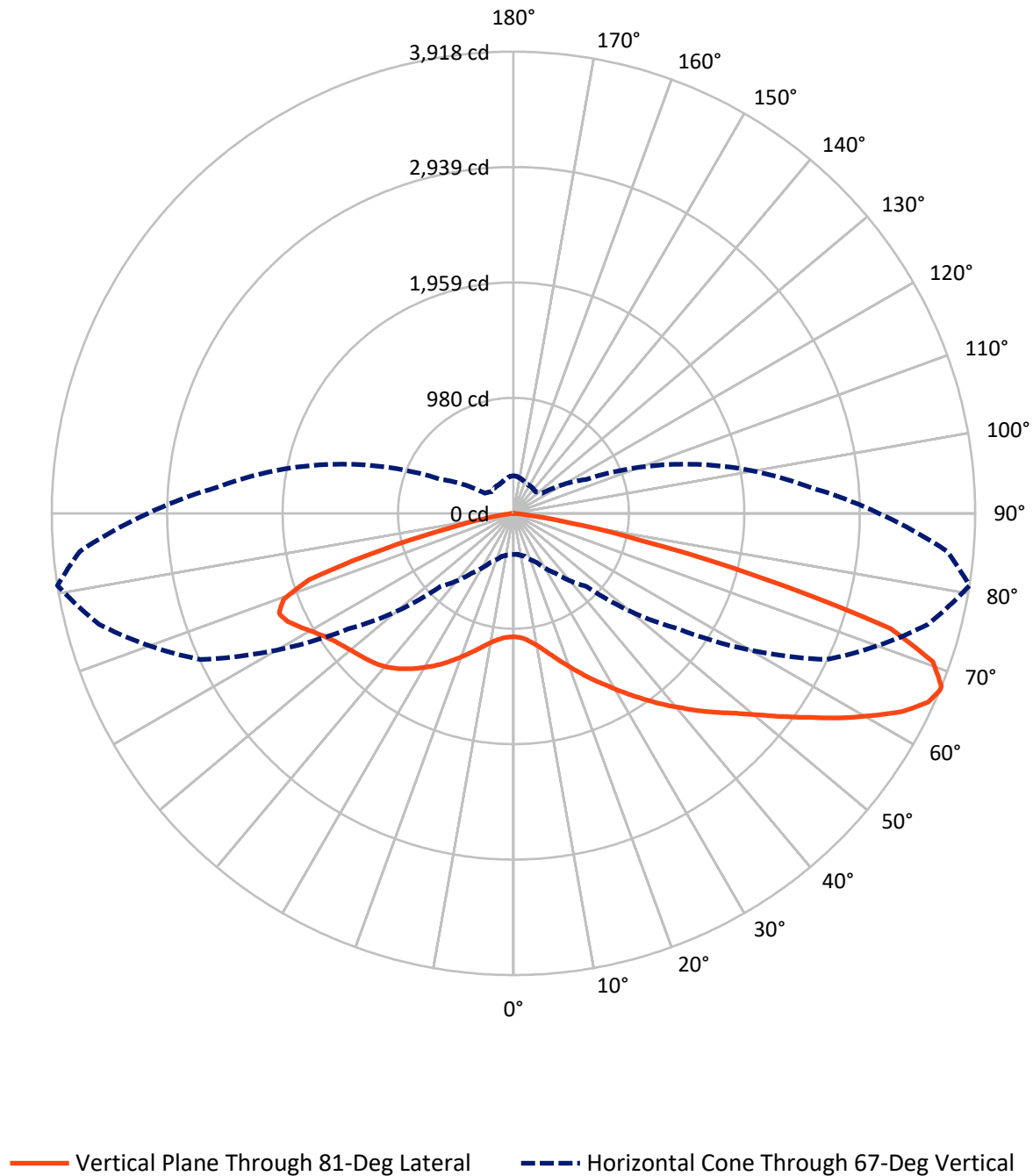
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211919
CATALOG NUMBER: GKO-PB2C-835-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211919

CATALOG NUMBER: GKO-PB2C-835-U-T2R

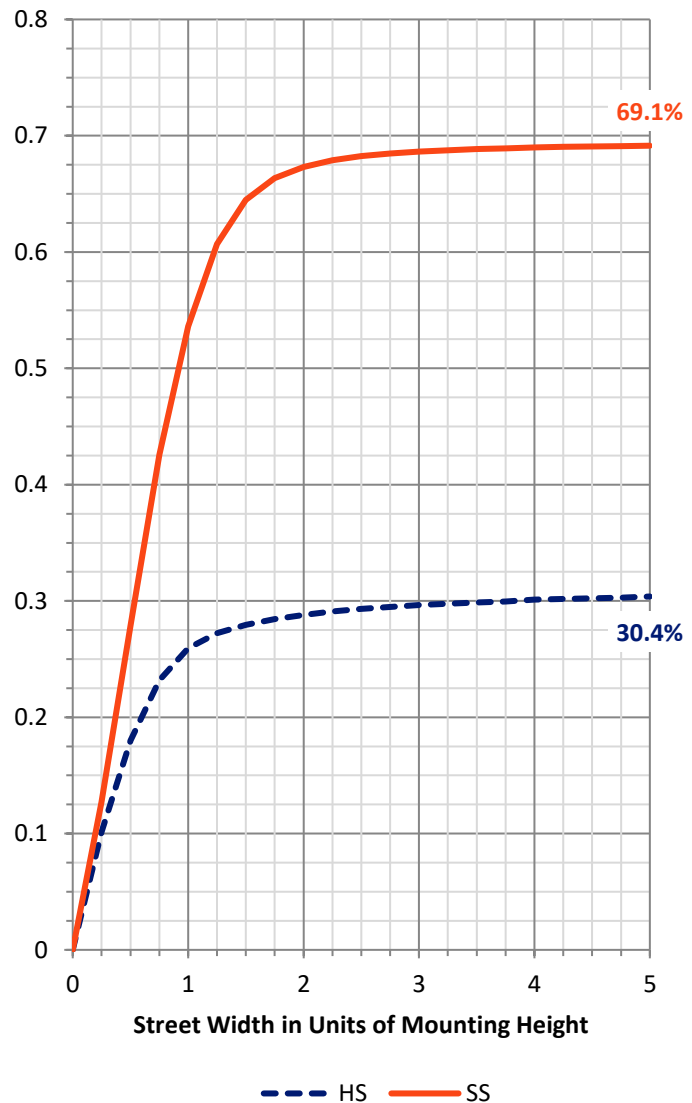
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2322.3	0.0	2322.3
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	5198.2	0.0	5198.2
	% Fixture	69.1	0.0	69.1
Total	Lumens	7520.5	0.0	7520.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	1.4
10°-20°	392.8	5.2
20°-30°	795.7	10.6
30°-40°	1254.7	16.7
40°-50°	1540.9	20.5
50°-60°	1472.0	19.6
60°-70°	1234.5	16.4
70°-80°	653.9	8.7
80°-90°	67.6	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°	7520.5	100.0
0°-180°	7520.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1211919

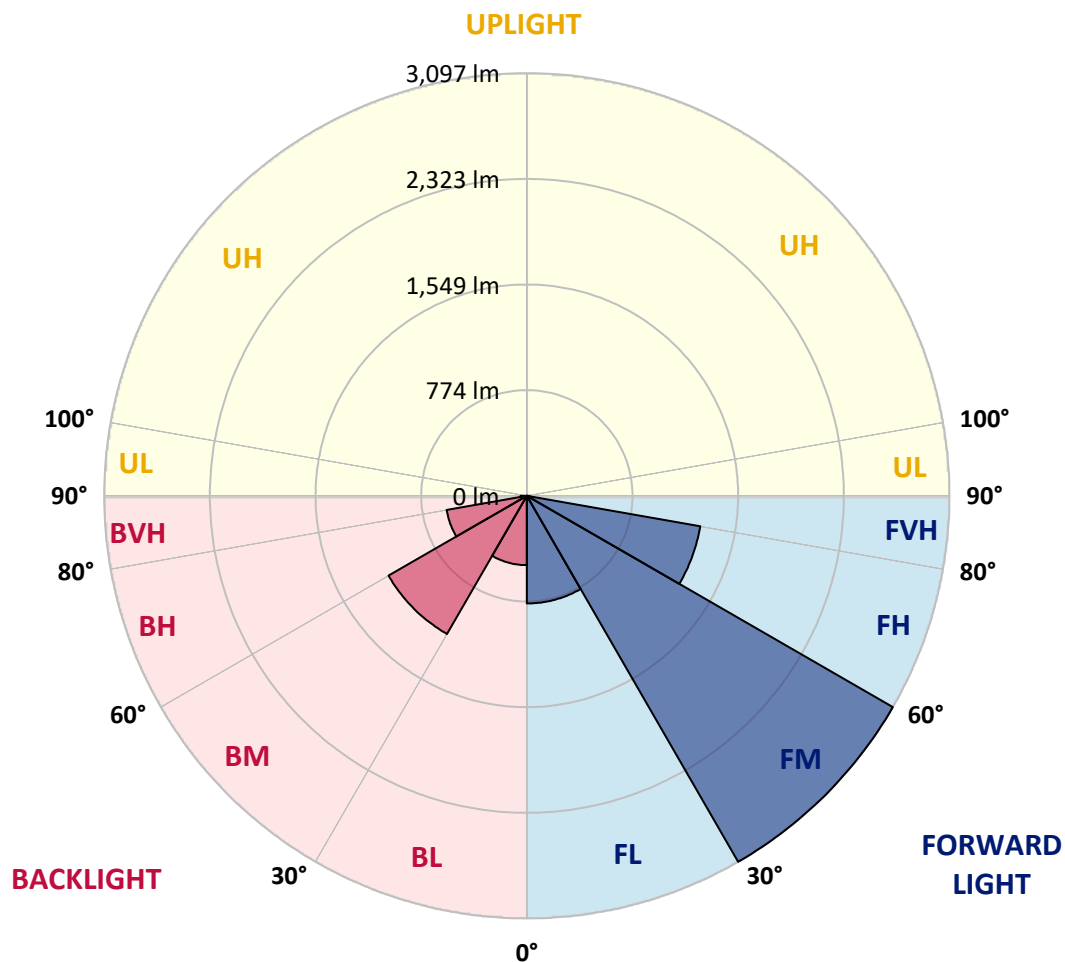
CATALOG NUMBER: GKO-PB2C-835-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	788.8	10.5			
FM	(30°-60°)	3097.4	41.2			
FH	(60°-80°)	1291.0	17.2			G1/1800
FVH	(80°-90°)	21.0	0.3			G1/100
BL	(0°-30°)	508.2	6.8	B2/1000		
BM	(30°-60°)	1170.2	15.6	B2/2500		
BH	(60°-80°)	597.4	7.9	B2/1000		G2/1000
BVH	(80°-90°)	46.6	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





REPORT NUMBER: P1211919

CATALOG NUMBER: GKO-PB2C-835-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6
2.5°	1108.0	1110.9	1105.2	1103.7	1098.0	1089.3	1079.3	1072.1	1060.5	1054.8	1051.9
5°	1213.1	1207.3	1203.0	1195.8	1175.7	1158.4	1129.6	1109.5	1087.9	1073.5	1069.2
7.5°	1341.2	1344.0	1329.6	1310.9	1282.2	1247.6	1201.6	1164.2	1123.9	1105.2	1096.5
10°	1480.7	1492.3	1477.9	1454.8	1400.2	1348.4	1292.2	1227.5	1172.8	1144.0	1132.5
12.5°	1650.5	1657.7	1639.0	1608.8	1542.6	1464.9	1385.8	1305.2	1233.2	1197.3	1177.1
15°	1840.5	1834.7	1816.0	1771.4	1686.5	1600.2	1492.3	1387.2	1302.3	1257.7	1228.9
17.5°	2036.2	2029.0	2004.5	1947.0	1850.6	1742.6	1614.6	1482.2	1375.7	1326.8	1287.9
20°	2223.3	2216.1	2198.8	2134.0	2017.5	1885.1	1735.4	1591.5	1459.2	1398.7	1355.5
22.5°	2430.5	2424.7	2397.4	2318.2	2193.0	2047.7	1873.6	1702.3	1549.8	1477.9	1426.1
25°	2655.0	2656.4	2626.2	2515.4	2374.4	2204.6	2021.8	1827.5	1652.0	1561.3	1502.3
27.5°	2916.9	2915.4	2863.6	2744.2	2567.2	2371.5	2168.6	1958.5	1752.7	1646.2	1578.6
30°	3154.3	3148.5	3091.0	2971.6	2767.2	2547.0	2324.0	2085.1	1866.4	1739.8	1657.7
32.5°	3329.9	3331.3	3283.8	3152.9	2952.8	2718.3	2469.3	2227.6	1975.8	1840.5	1749.8
35°	3456.5	3457.9	3411.9	3299.6	3112.6	2878.0	2623.3	2361.4	2098.1	1944.1	1846.2
37.5°	3496.8	3496.8	3466.6	3378.8	3226.3	3021.9	2774.4	2513.9	2220.4	2056.3	1944.1
40°	3442.1	3446.4	3445.0	3387.4	3282.4	3121.2	2914.0	2660.7	2357.1	2167.1	2043.4
42.5°	3318.4	3321.2	3325.5	3304.0	3270.9	3174.5	3026.2	2810.4	2493.8	2288.0	2141.2
45°	3114.0	3125.5	3147.1	3155.7	3168.7	3161.5	3095.3	2950.0	2646.3	2408.9	2237.7
47.5°	2855.0	2873.7	2902.5	2954.3	3026.2	3083.8	3112.6	3057.9	2794.6	2534.1	2345.6
50°	2495.2	2515.4	2593.1	2701.0	2843.5	2955.7	3065.1	3138.5	2960.0	2686.6	2466.5
52.5°	1997.3	2040.5	2171.5	2378.7	2623.3	2790.2	2964.4	3177.3	3128.4	2866.5	2610.4
55°	1519.6	1535.4	1703.8	1952.7	2329.8	2611.8	2826.2	3157.2	3286.7	3055.0	2774.4
57.5°	1062.0	1079.3	1226.0	1498.0	1915.3	2378.7	2688.1	3089.5	3430.6	3276.6	2962.9
60°	754.0	772.7	882.1	1083.6	1487.9	2039.1	2560.0	3003.2	3555.8	3486.7	3180.2
62.5°	548.3	558.3	615.9	785.7	1074.9	1594.4	2377.2	2947.1	3643.6	3705.4	3403.3
65°	420.2	430.3	463.4	569.8	794.3	1165.6	2049.1	2945.6	3666.6	3866.6	3596.1
67°	349.7	348.2	377.0	457.6	620.2	876.4	1711.0	2934.1	3640.7	3918.4	3693.9
67.5°	331.0	336.7	359.8	427.4	585.7	807.3	1637.6	2915.4	3632.1	3917.0	3701.1
70°	263.3	264.8	284.9	338.2	440.3	585.7	1178.5	2731.2	3501.1	3776.0	3620.5
72.5°	192.8	191.4	221.6	256.1	336.7	425.9	790.0	2293.8	3217.6	3345.7	3219.1
75°	142.5	141.0	156.9	195.7	240.3	318.0	512.3	1496.6	2178.7	2128.3	1965.7
77.5°	95.0	97.9	112.2	143.9	171.2	197.1	256.1	689.3	1200.1	1085.0	1044.7
80°	57.6	53.2	63.3	82.0	99.3	100.7	109.4	297.9	515.2	490.7	460.5
82.5°	20.1	20.1	24.5	33.1	33.1	33.1	40.3	72.0	102.2	93.5	89.2
85°	0.0	0.0	0.0	0.0	2.9	4.3	2.9	5.8	10.1	11.5	11.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9	4.3	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1211919

CATALOG NUMBER: GKO-PB2C-835-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6
2.5°	1051.9	1051.9	1047.6	1041.8	1039.0	1037.5	1033.2	1027.5	1031.8	1036.1	1036.1
5°	1066.3	1063.4	1054.8	1049.0	1044.7	1044.7	1039.0	1037.5	1041.8	1046.2	1044.7
7.5°	1089.3	1083.6	1073.5	1064.9	1066.3	1067.7	1059.1	1059.1	1063.4	1067.7	1067.7
10°	1121.0	1110.9	1100.8	1093.6	1095.1	1096.5	1087.9	1085.0	1089.3	1093.6	1096.5
12.5°	1161.3	1148.3	1136.8	1129.6	1128.2	1129.6	1121.0	1118.1	1118.1	1121.0	1121.0
15°	1208.8	1194.4	1180.0	1169.9	1167.0	1165.6	1154.1	1144.0	1144.0	1145.5	1145.5
17.5°	1263.4	1243.3	1224.6	1213.1	1205.9	1195.8	1182.9	1168.5	1164.2	1165.6	1165.6
20°	1318.1	1296.5	1272.1	1256.3	1241.9	1224.6	1204.4	1185.7	1177.1	1177.1	1175.7
22.5°	1381.4	1352.7	1319.6	1298.0	1272.1	1243.3	1214.5	1190.1	1181.4	1178.5	1178.5
25°	1446.2	1413.1	1365.6	1332.5	1295.1	1253.4	1216.0	1182.9	1168.5	1162.7	1162.7
27.5°	1512.4	1473.5	1411.7	1364.2	1309.5	1251.9	1201.6	1159.8	1139.7	1132.5	1129.6
30°	1587.2	1531.1	1452.0	1387.2	1312.4	1239.0	1174.2	1125.3	1095.1	1077.8	1079.3
32.5°	1664.9	1594.4	1489.4	1401.6	1308.1	1214.5	1132.5	1070.6	1031.8	1015.9	1010.2
35°	1744.1	1654.9	1522.5	1408.8	1293.7	1177.1	1079.3	1010.2	967.0	944.0	944.0
37.5°	1824.7	1718.2	1545.5	1407.3	1267.8	1128.2	1017.4	944.0	893.6	864.8	857.6
40°	1903.8	1777.2	1562.8	1395.8	1228.9	1069.2	951.2	872.0	804.4	767.0	761.2
42.5°	1981.5	1826.1	1571.4	1377.1	1182.9	1004.4	876.4	769.9	705.1	670.6	669.1
45°	2052.0	1865.0	1572.8	1352.7	1122.4	931.0	775.6	673.5	608.7	572.7	572.7
47.5°	2121.1	1908.1	1571.4	1321.0	1056.2	836.1	669.1	569.8	510.8	487.8	480.6
50°	2204.6	1951.3	1570.0	1282.2	971.3	722.4	565.5	480.6	430.3	407.2	407.2
52.5°	2289.5	2001.7	1572.8	1227.5	870.6	611.6	473.4	398.6	365.5	351.1	349.7
55°	2398.8	2054.9	1580.0	1162.7	765.6	503.7	394.3	343.9	320.9	313.7	315.1
57.5°	2531.2	2128.3	1594.4	1086.5	643.2	413.0	338.2	310.8	305.1	307.9	309.4
60°	2682.3	2218.9	1614.6	1000.1	535.3	343.9	305.1	299.3	305.1	316.6	318.0
62.5°	2857.9	2328.3	1640.5	903.7	428.8	302.2	290.7	295.0	299.3	318.0	319.5
65°	3013.3	2446.3	1646.2	790.0	348.2	274.9	282.0	284.9	296.4	318.0	319.5
67°	3101.1	2526.9	1607.4	682.1	297.9	260.5	270.5	273.4	293.6	315.1	318.0
67.5°	3111.1	2544.2	1581.5	654.7	287.8	257.6	267.7	273.4	293.6	315.1	316.6
70°	3080.9	2532.7	1408.8	493.6	237.4	237.4	248.9	261.9	282.0	305.1	315.1
72.5°	2811.8	2309.6	1090.8	335.3	201.5	214.4	231.7	250.4	269.1	296.4	313.7
75°	1777.2	1486.5	667.7	224.5	168.4	191.4	218.7	240.3	256.1	276.3	287.8
77.5°	949.7	735.3	287.8	132.4	132.4	169.8	202.9	223.0	231.7	238.9	246.1
80°	449.0	342.5	139.6	79.1	92.1	132.4	179.9	201.5	204.3	213.0	215.9
82.5°	89.2	77.7	46.0	41.7	60.4	95.0	149.7	174.1	175.6	189.9	192.8
85°	11.5	10.1	7.2	15.8	38.9	70.5	115.1	149.7	152.5	152.5	149.7
87.5°	5.8	4.3	4.3	11.5	28.8	53.2	95.0	125.2	126.6	99.3	96.4
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)