

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: P1212029

Luminaire Tested: **GKO-PB2C-830-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212029
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-T1
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

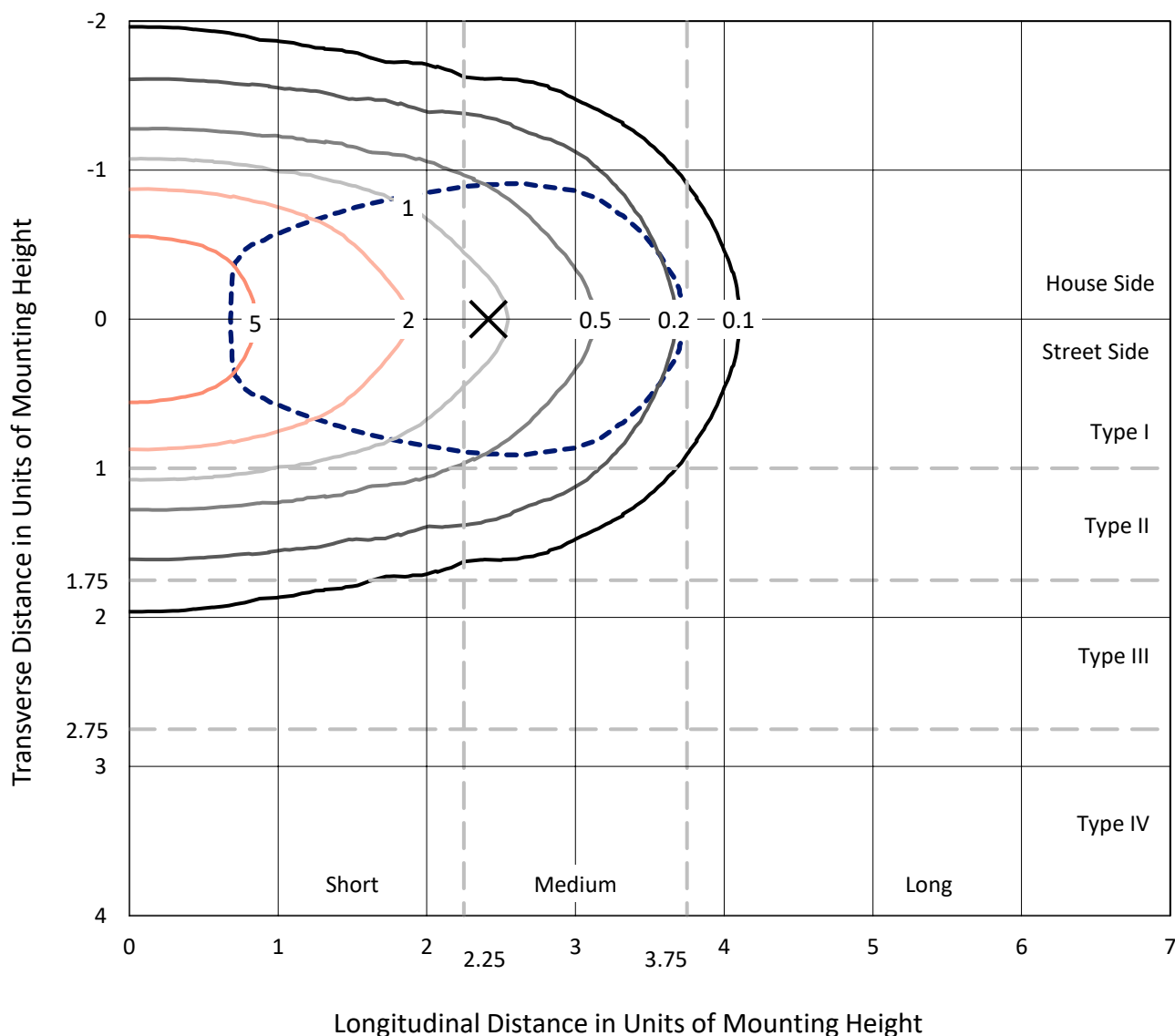
Lumens per Lamp: N/A
Luminaire Lumens: 7686.2 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

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: P1212029
 CATALOG NUMBER: GKO-PB2C-830-U-T1

Iso-Footcandle Lines of Horizontal Illumination

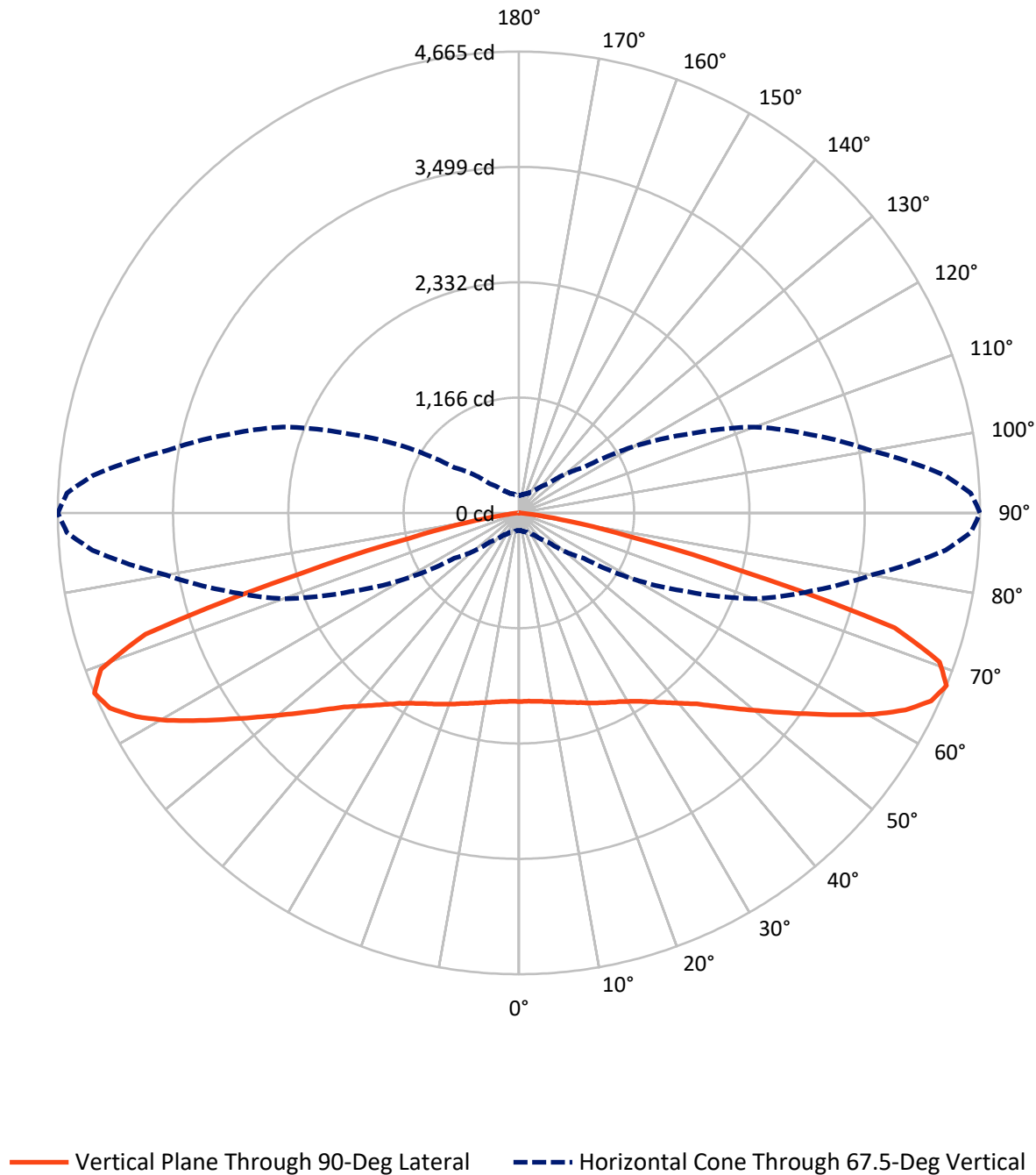
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.5 fc
 Type I - Short - N/A

REPORT NUMBER: P1212029
CATALOG NUMBER: GKO-PB2C-830-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1212029

CATALOG NUMBER: GKO-PB2C-830-U-T1

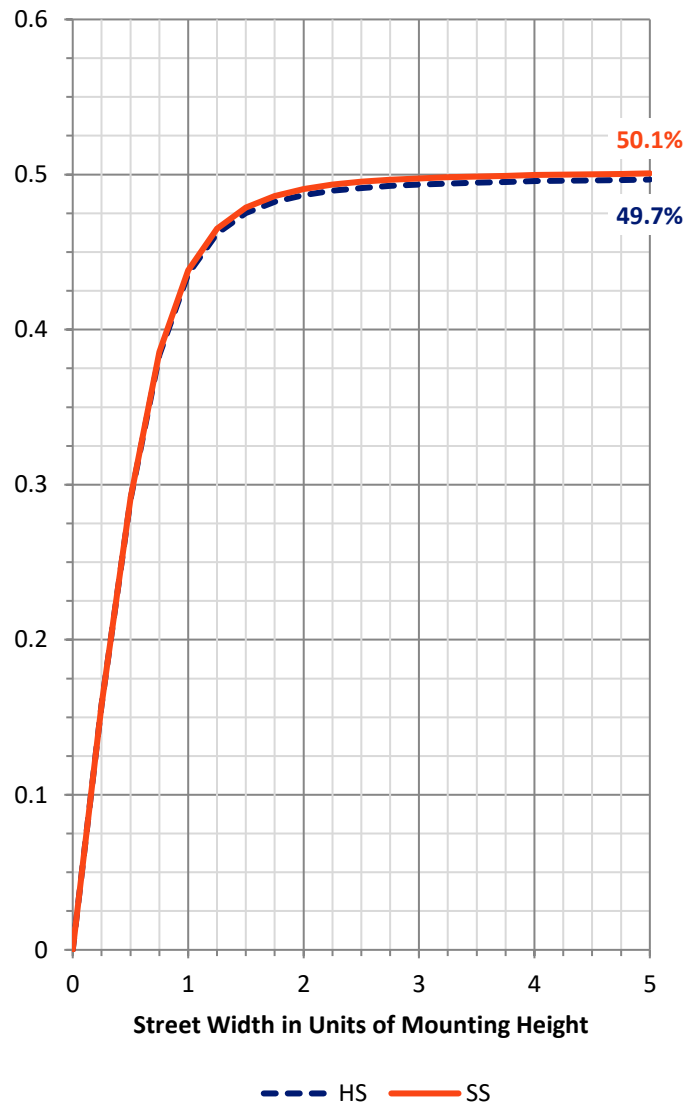
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3843.1	0.0	3843.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3843.1	0.0	3843.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7686.2	0.0	7686.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	2.4
10°-20°	551.2	7.2
20°-30°	916.6	11.9
30°-40°	1217.6	15.8
40°-50°	1372.7	17.9
50°-60°	1411.5	18.4
60°-70°	1333.9	17.4
70°-80°	653.0	8.5
80°-90°	46.7	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°	7686.2	100.0
0°-180°	7686.2	100.0

Coefficient of Utilization



REPORT NUMBER: P1212029

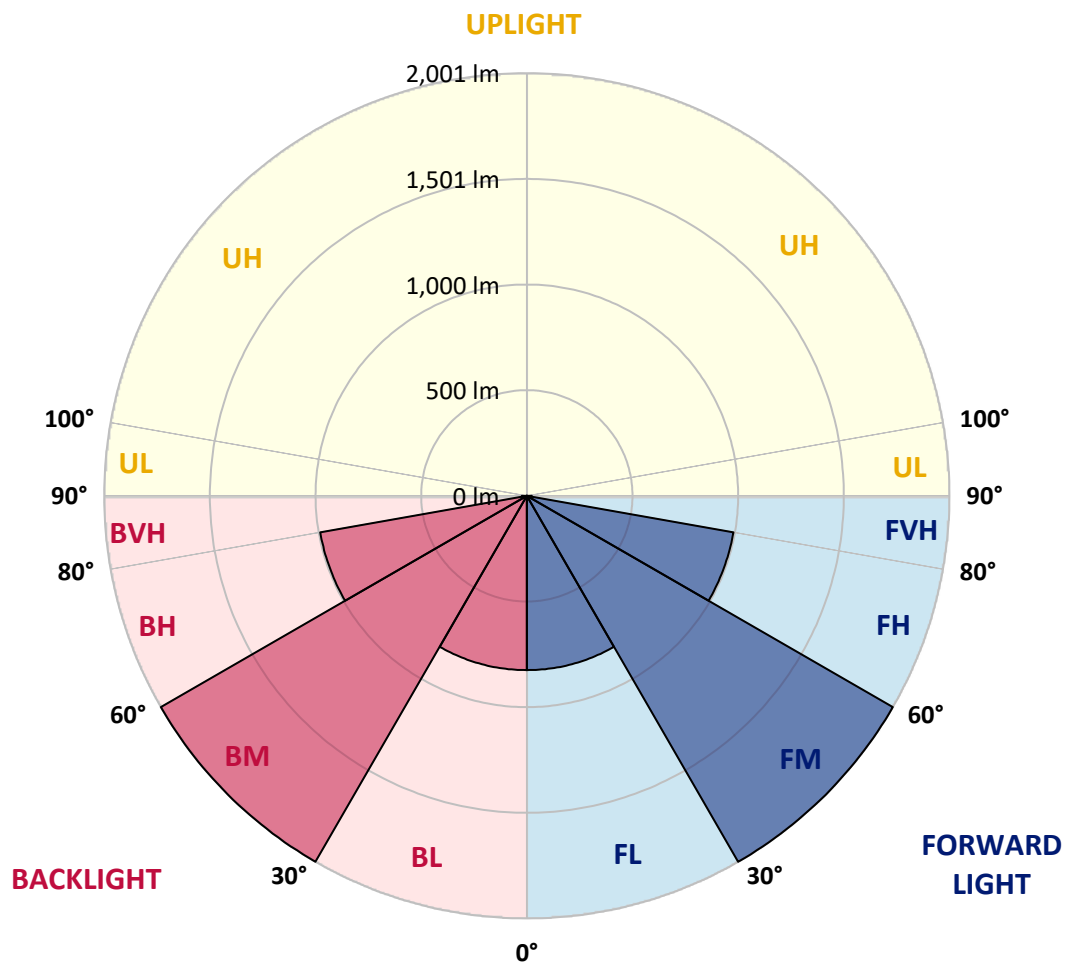
CATALOG NUMBER: GKO-PB2C-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	825.3	10.7			
FM	(30°-60°)	2000.9	26.0			
FH	(60°-80°)	993.5	12.9			G1/1800
FVH	(80°-90°)	23.4	0.3			G1/100
BL	(0°-30°)	825.3	10.7	B2/1000		
BM	(30°-60°)	2000.9	26.0	B2/2500		
BH	(60°-80°)	993.5	12.9	B2/1000		G2/1000
BVH	(80°-90°)	23.4	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





REPORT NUMBER: P1212029

CATALOG NUMBER: GKO-PB2C-830-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1907.3	1907.3	1907.3	1907.3	1907.3	1907.3	1907.3	1907.3	1907.3	1907.3	1907.3
2.5°	1908.7	1911.5	1905.8	1905.8	1908.7	1910.1	1910.1	1911.5	1908.7	1908.7	1907.3
5°	1908.7	1910.1	1907.3	1907.3	1910.1	1914.3	1912.9	1915.8	1915.8	1914.3	1914.3
7.5°	1907.3	1910.1	1907.3	1908.7	1912.9	1921.4	1921.4	1921.4	1924.3	1927.1	1927.1
10°	1905.8	1908.7	1910.1	1911.5	1917.2	1929.9	1932.8	1934.2	1938.4	1942.7	1942.7
12.5°	1898.8	1901.6	1905.8	1911.5	1921.4	1938.4	1944.1	1948.3	1955.4	1959.7	1962.5
15°	1888.8	1890.3	1900.2	1911.5	1927.1	1948.3	1959.7	1966.8	1976.7	1982.4	1986.6
17.5°	1874.7	1876.1	1891.7	1908.7	1931.3	1961.1	1979.5	1990.9	2000.8	2009.3	2014.9
20°	1856.2	1860.5	1878.9	1905.8	1938.4	1973.9	2000.8	2020.6	2030.5	2039.0	2047.5
22.5°	1833.6	1837.8	1860.5	1898.8	1945.5	1990.9	2026.3	2051.8	2064.5	2075.9	2085.8
25°	1799.6	1805.2	1832.2	1881.7	1948.3	2009.3	2054.6	2087.2	2098.5	2112.7	2121.2
27.5°	1747.1	1751.4	1784.0	1847.7	1939.8	2029.1	2087.2	2125.5	2138.2	2153.8	2162.3
30°	1665.0	1673.5	1713.1	1792.5	1918.6	2044.7	2125.5	2163.7	2179.3	2194.9	2206.2
32.5°	1558.7	1571.4	1615.4	1717.4	1877.5	2050.4	2166.6	2210.5	2230.3	2247.3	2261.5
35°	1426.9	1439.7	1492.1	1621.0	1812.3	2039.0	2207.7	2264.3	2288.4	2311.1	2328.1
37.5°	1276.7	1288.0	1351.8	1499.2	1718.8	2003.6	2240.2	2323.8	2356.4	2386.2	2408.9
40°	1125.1	1137.8	1207.3	1364.6	1605.4	1935.6	2254.4	2389.0	2430.1	2468.4	2496.7
42.5°	960.7	976.3	1054.2	1221.4	1473.7	1842.1	2243.1	2452.8	2503.8	2556.2	2598.7
45°	814.8	817.6	902.6	1064.2	1329.1	1721.6	2203.4	2513.7	2583.2	2656.8	2717.8
47.5°	674.5	680.2	753.8	914.0	1178.9	1585.6	2131.1	2561.9	2672.4	2767.4	2856.6
50°	549.8	556.9	623.5	766.6	1028.7	1436.8	2033.4	2590.2	2748.9	2877.9	3002.6
52.5°	447.8	456.3	511.5	637.6	877.1	1281.0	1912.9	2594.5	2818.4	2988.4	3154.2
55°	372.7	378.3	420.8	521.4	731.2	1119.4	1775.5	2573.2	2863.7	3087.6	3308.6
57.5°	314.6	320.2	350.0	429.3	599.4	953.6	1608.3	2523.6	2887.8	3174.0	3464.5
60°	273.5	277.7	299.0	355.7	493.1	797.8	1428.3	2435.8	2880.7	3227.9	3593.5
62.5°	243.7	245.1	263.6	303.2	406.7	650.4	1225.7	2304.0	2822.6	3235.0	3681.3
65°	216.8	218.2	229.6	257.9	334.4	522.9	1014.6	2122.6	2712.1	3185.4	3694.1
67.5°	175.7	178.5	195.5	216.8	274.9	413.8	799.2	1884.6	2539.2	3056.4	3621.8
70°	140.3	141.7	158.7	182.8	223.9	325.9	613.6	1564.3	2268.6	2846.7	3434.8
72.5°	104.9	107.7	123.3	147.4	182.8	252.2	443.5	1183.2	1813.7	2400.4	2991.2
75°	83.6	85.0	90.7	113.4	141.7	191.3	299.0	717.0	1092.5	1485.0	1833.6
77.5°	70.8	72.3	72.3	87.9	104.9	128.9	158.7	284.8	461.9	657.5	871.4
80°	58.1	60.9	55.3	65.2	75.1	75.1	73.7	136.0	218.2	308.9	405.3
82.5°	42.5	45.3	42.5	45.3	45.3	41.1	38.3	51.0	69.4	94.9	103.4
85°	29.8	31.2	34.0	31.2	29.8	24.1	18.4	14.2	8.5	9.9	14.2
87.5°	19.8	24.1	28.3	26.9	22.7	18.4	12.8	8.5	4.3	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



REPORT NUMBER: P1212029
 CATALOG NUMBER: GKO-PB2C-830-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	1907.3	1907.3	1907.3
2.5°	1908.7	1907.3	1905.8
5°	1915.8	1914.3	1912.9
7.5°	1925.7	1925.7	1925.7
10°	1941.3	1944.1	1944.1
12.5°	1961.1	1963.9	1963.9
15°	1985.2	1986.6	1989.4
17.5°	2014.9	2016.4	2016.4
20°	2050.4	2049.0	2051.8
22.5°	2085.8	2085.8	2085.8
25°	2122.6	2122.6	2122.6
27.5°	2165.1	2165.1	2162.3
30°	2211.9	2211.9	2211.9
32.5°	2268.6	2270.0	2271.4
35°	2340.9	2343.7	2347.9
37.5°	2423.0	2430.1	2434.4
40°	2520.8	2523.6	2530.7
42.5°	2629.9	2638.4	2639.8
45°	2765.9	2780.1	2785.8
47.5°	2926.1	2945.9	2955.8
50°	3104.6	3127.3	3141.4
52.5°	3298.7	3335.6	3352.6
55°	3505.6	3569.4	3587.8
57.5°	3739.4	3825.8	3851.4
60°	3969.0	4090.8	4131.9
62.5°	4164.5	4336.0	4387.0
65°	4302.0	4508.8	4583.9
67.5°	4330.3	4575.4	4664.7
70°	4160.3	4411.1	4514.5
72.5°	3617.6	3844.3	3973.2
75°	2136.8	2299.8	2260.1
77.5°	1072.7	1119.4	1126.5
80°	470.4	498.8	510.1
82.5°	116.2	119.0	134.6
85°	15.6	18.4	17.0
87.5°	5.7	5.7	7.1
90°	0.0	0.0	0.0

(END OF REPORT)