

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: P1212050

Luminaire Tested: **GKO-PB2B-840-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212050
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-840-U-T1
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

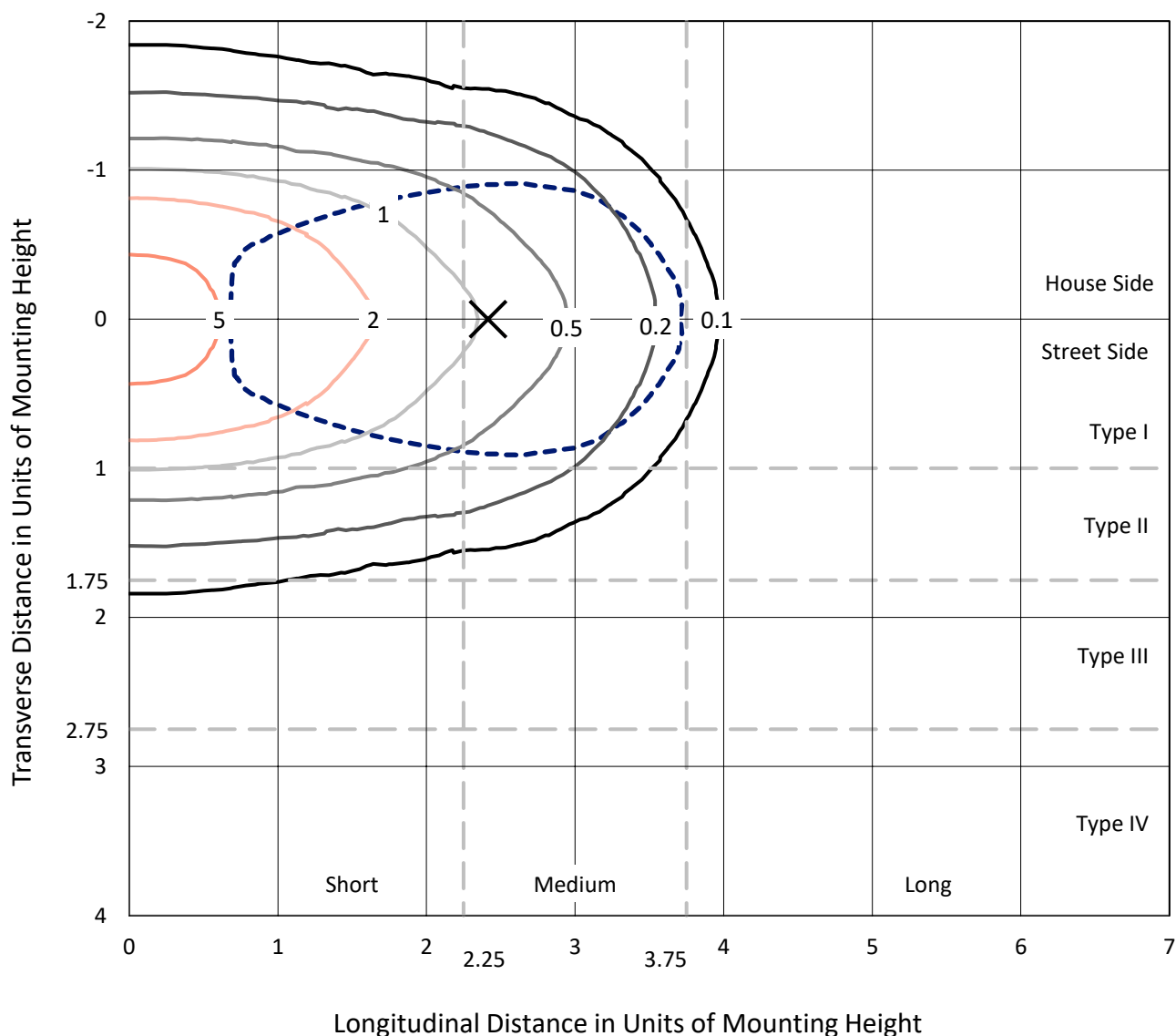
Lumens per Lamp: N/A
Luminaire Lumens: 6174.7 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 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

REPORT NUMBER: P1212050
 CATALOG NUMBER: GKO-PB2B-840-U-T1

Iso-Footcandle Lines of Horizontal Illumination

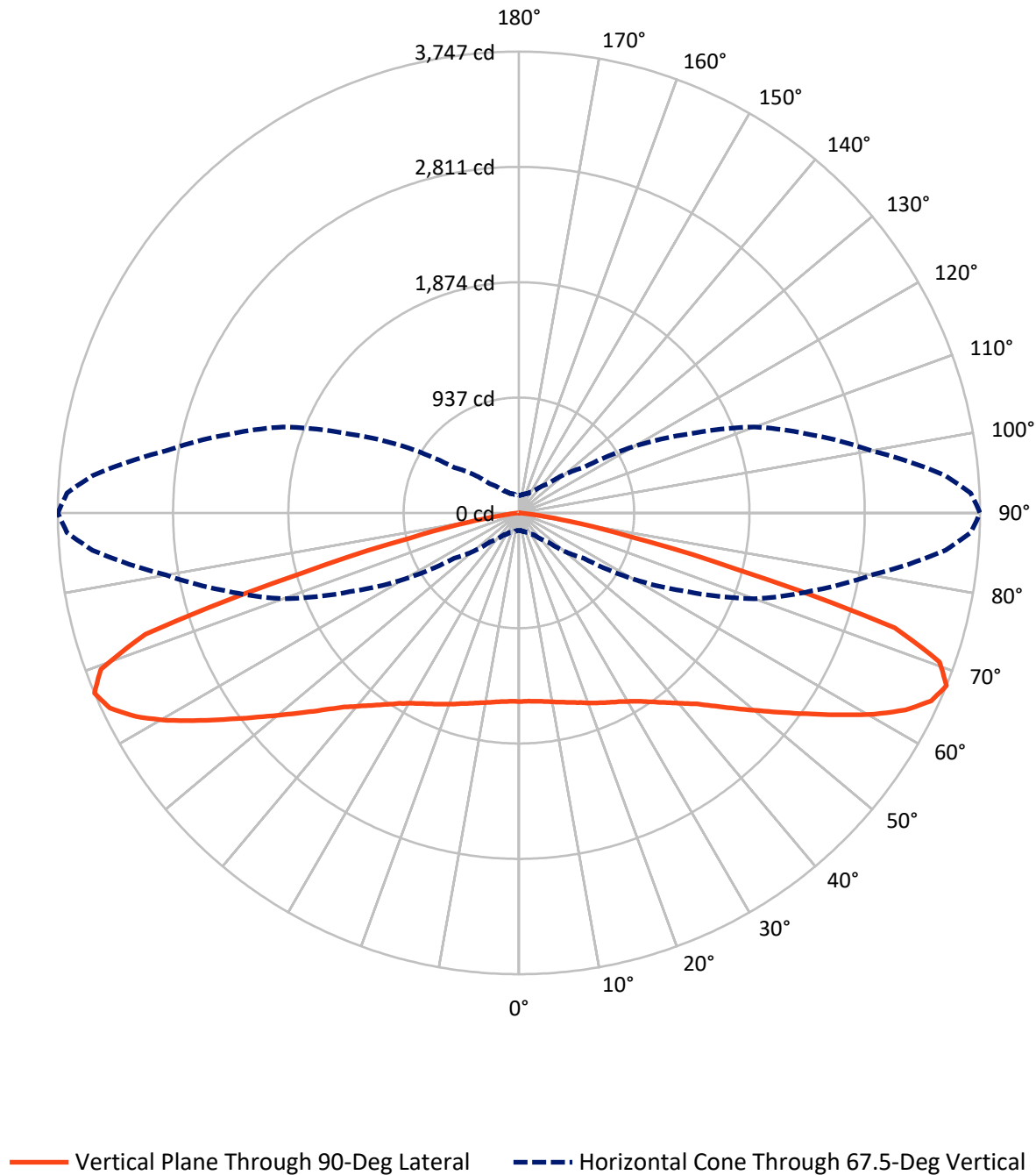
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type I - Short - N/A

REPORT NUMBER: P1212050
CATALOG NUMBER: GKO-PB2B-840-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1212050

CATALOG NUMBER: GKO-PB2B-840-U-T1

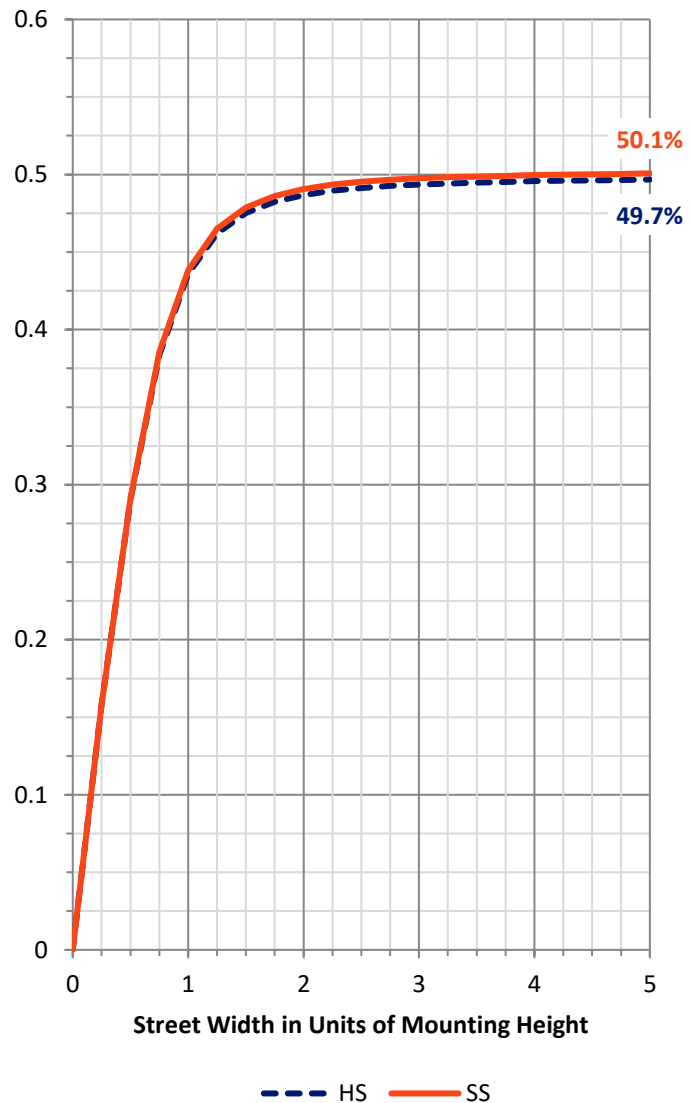
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3087.3	0.0	3087.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3087.3	0.0	3087.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6174.7	0.0	6174.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	2.4
10°-20°	442.8	7.2
20°-30°	736.3	11.9
30°-40°	978.2	15.8
40°-50°	1102.8	17.9
50°-60°	1134.0	18.4
60°-70°	1071.6	17.4
70°-80°	524.6	8.5
80°-90°	37.5	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°	6174.7	100.0
0°-180°	6174.7	100.0

Coefficient of Utilization



REPORT NUMBER: P1212050

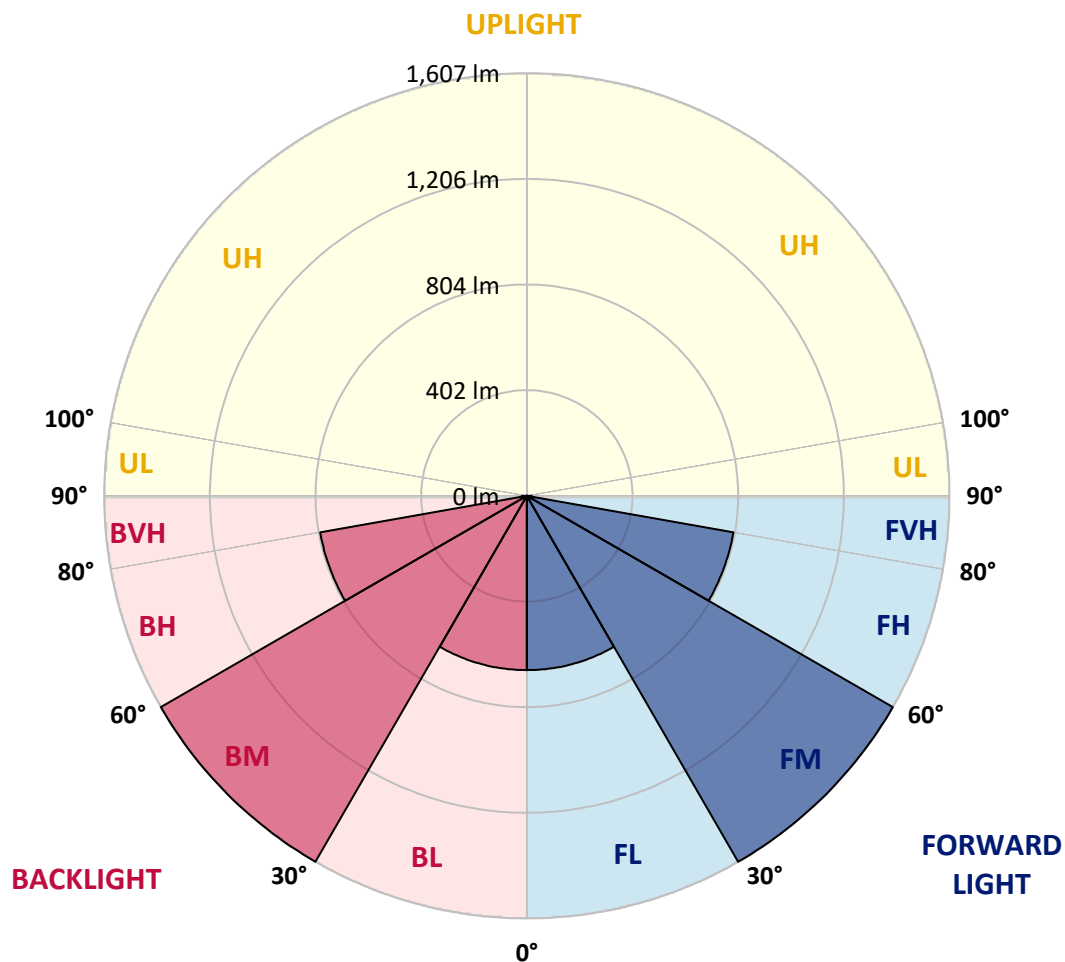
CATALOG NUMBER: GKO-PB2B-840-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	663.0	10.7			
FM	(30°-60°)	1607.4	26.0			
FH	(60°-80°)	798.1	12.9			G1/1800
FVH	(80°-90°)	18.8	0.3			G1/100
BL	(0°-30°)	663.0	10.7	B2/1000		
BM	(30°-60°)	1607.4	26.0	B2/2500		
BH	(60°-80°)	798.1	12.9	B2/1000		G2/1000
BVH	(80°-90°)	18.8	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: P1212050

CATALOG NUMBER: GKO-PB2B-840-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1532.2	1532.2	1532.2	1532.2	1532.2	1532.2	1532.2	1532.2	1532.2	1532.2	1532.2
2.5°	1533.3	1535.6	1531.1	1531.1	1533.3	1534.5	1534.5	1535.6	1533.3	1533.3	1532.2
5°	1533.3	1534.5	1532.2	1532.2	1534.5	1537.9	1536.7	1539.0	1539.0	1537.9	1537.9
7.5°	1532.2	1534.5	1532.2	1533.3	1536.7	1543.6	1543.6	1543.6	1545.9	1548.1	1548.1
10°	1531.1	1533.3	1534.5	1535.6	1540.2	1550.4	1552.7	1553.8	1557.2	1560.7	1560.7
12.5°	1525.4	1527.6	1531.1	1535.6	1543.6	1557.2	1561.8	1565.2	1570.9	1574.3	1576.6
15°	1517.4	1518.5	1526.5	1535.6	1548.1	1565.2	1574.3	1580.0	1588.0	1592.5	1595.9
17.5°	1506.0	1507.2	1519.7	1533.3	1551.5	1575.5	1590.3	1599.4	1607.3	1614.2	1618.7
20°	1491.2	1494.6	1509.4	1531.1	1557.2	1585.7	1607.3	1623.3	1631.2	1638.1	1644.9
22.5°	1473.0	1476.4	1494.6	1525.4	1562.9	1599.4	1627.8	1648.3	1658.6	1667.7	1675.6
25°	1445.7	1450.2	1471.9	1511.7	1565.2	1614.2	1650.6	1676.8	1685.9	1697.3	1704.1
27.5°	1403.6	1407.0	1433.2	1484.4	1558.4	1630.1	1676.8	1707.5	1717.7	1730.3	1737.1
30°	1337.5	1344.4	1376.2	1440.0	1541.3	1642.6	1707.5	1738.2	1750.8	1763.3	1772.4
32.5°	1252.2	1262.4	1297.7	1379.7	1508.3	1647.2	1740.5	1775.8	1791.7	1805.4	1816.8
35°	1146.3	1156.5	1198.7	1302.3	1455.9	1638.1	1773.5	1819.1	1838.4	1856.6	1870.3
37.5°	1025.6	1034.7	1086.0	1204.4	1380.8	1609.6	1799.7	1866.9	1893.0	1917.0	1935.2
40°	903.8	914.1	969.9	1096.2	1289.7	1555.0	1811.1	1919.2	1952.2	1983.0	2005.7
42.5°	771.8	784.3	846.9	981.2	1183.9	1479.8	1802.0	1970.5	2011.4	2053.6	2087.7
45°	654.5	656.8	725.1	854.9	1067.8	1383.1	1770.1	2019.4	2075.2	2134.4	2183.3
47.5°	541.8	546.4	605.6	734.2	947.1	1273.8	1712.1	2058.1	2146.9	2223.2	2294.9
50°	441.7	447.4	500.9	615.8	826.4	1154.3	1633.5	2080.9	2208.4	2312.0	2412.1
52.5°	359.7	366.5	410.9	512.2	704.6	1029.1	1536.7	2084.3	2264.1	2400.7	2533.9
55°	299.4	303.9	338.1	418.9	587.4	899.3	1426.3	2067.2	2300.6	2480.4	2658.0
57.5°	252.7	257.3	281.2	344.9	481.5	766.1	1292.0	2027.4	2319.9	2549.9	2783.2
60°	219.7	223.1	240.2	285.7	396.1	640.9	1147.4	1956.8	2314.2	2593.1	2886.8
62.5°	195.8	196.9	211.7	243.6	326.7	522.5	984.7	1850.9	2267.6	2598.8	2957.4
65°	174.2	175.3	184.4	207.2	268.6	420.0	815.0	1705.2	2178.8	2559.0	2967.6
67.5°	141.2	143.4	157.1	174.2	220.8	332.4	642.0	1514.0	2039.9	2455.4	2909.6
70°	112.7	113.8	127.5	146.8	179.9	261.8	492.9	1256.7	1822.5	2286.9	2759.3
72.5°	84.2	86.5	99.0	118.4	146.8	202.6	356.3	950.5	1457.1	1928.3	2403.0
75°	67.2	68.3	72.9	91.1	113.8	153.7	240.2	576.0	877.7	1193.0	1473.0
77.5°	56.9	58.1	58.1	70.6	84.2	103.6	127.5	228.8	371.1	528.2	700.1
80°	46.7	48.9	44.4	52.4	60.3	60.3	59.2	109.3	175.3	248.2	325.6
82.5°	34.1	36.4	34.1	36.4	36.4	33.0	30.7	41.0	55.8	76.3	83.1
85°	23.9	25.0	27.3	25.0	23.9	19.4	14.8	11.4	6.8	8.0	11.4
87.5°	15.9	19.4	22.8	21.6	18.2	14.8	10.2	6.8	3.4	4.6	4.6
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: P1212050
 CATALOG NUMBER: GKO-PB2B-840-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	1532.2	1532.2	1532.2
2.5°	1533.3	1532.2	1531.1
5°	1539.0	1537.9	1536.7
7.5°	1547.0	1547.0	1547.0
10°	1559.5	1561.8	1561.8
12.5°	1575.5	1577.7	1577.7
15°	1594.8	1595.9	1598.2
17.5°	1618.7	1619.8	1619.8
20°	1647.2	1646.0	1648.3
22.5°	1675.6	1675.6	1675.6
25°	1705.2	1705.2	1705.2
27.5°	1739.4	1739.4	1737.1
30°	1776.9	1776.9	1776.9
32.5°	1822.5	1823.6	1824.7
35°	1880.5	1882.8	1886.2
37.5°	1946.5	1952.2	1955.7
40°	2025.1	2027.4	2033.1
42.5°	2112.7	2119.6	2120.7
45°	2222.0	2233.4	2238.0
47.5°	2350.7	2366.6	2374.6
50°	2494.1	2512.3	2523.7
52.5°	2650.0	2679.6	2693.3
55°	2816.2	2867.5	2882.3
57.5°	3004.1	3073.5	3094.0
60°	3188.5	3286.4	3319.4
62.5°	3345.6	3483.3	3524.3
65°	3456.0	3622.2	3682.5
67.5°	3478.7	3675.7	3747.4
70°	3342.1	3543.6	3626.7
72.5°	2906.2	3088.3	3191.9
75°	1716.6	1847.5	1815.6
77.5°	861.7	899.3	905.0
80°	377.9	400.7	409.8
82.5°	93.3	95.6	108.1
85°	12.5	14.8	13.7
87.5°	4.6	4.6	5.7
90°	0.0	0.0	0.0

(END OF REPORT)