

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: P1211990

Luminaire Tested: **GKO-PB2B-840-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211990
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-T2U
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

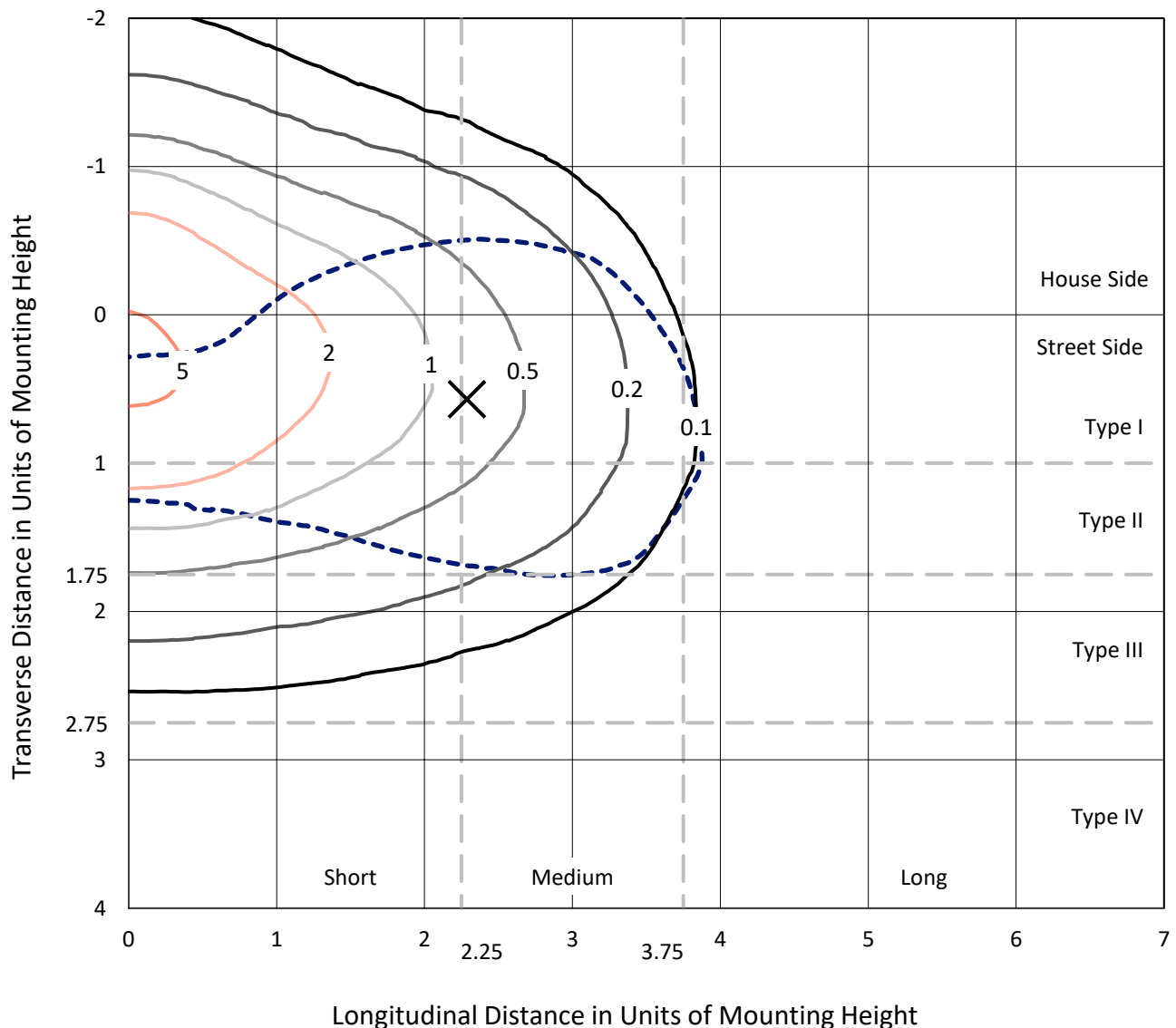
Lumens per Lamp: N/A
Luminaire Lumens: 5884.4 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 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: P1211990
 CATALOG NUMBER: GKO-PB2B-840-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

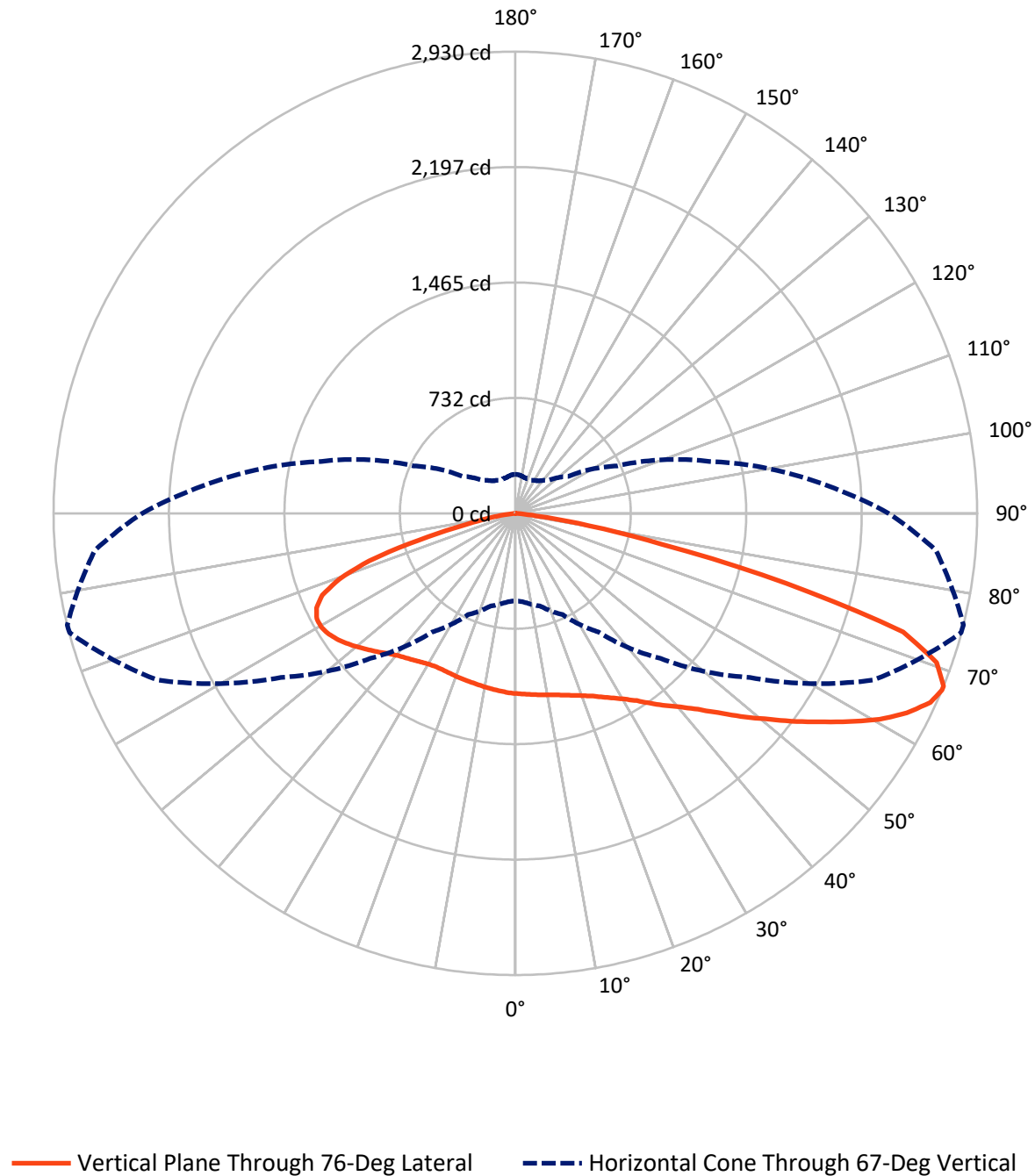
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211990
CATALOG NUMBER: GKO-PB2B-840-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P1211990

CATALOG NUMBER: GKO-PB2B-840-U-T2U

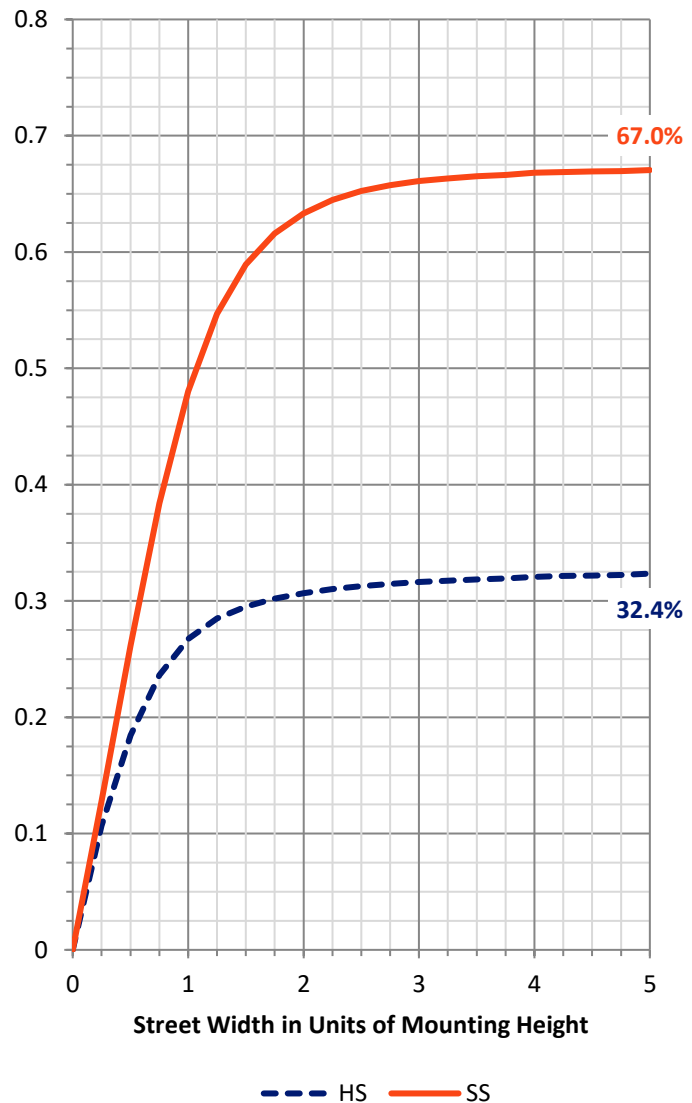
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1941.4	0.0	1941.4
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	3943.0	0.0	3943.0
	% Fixture	67.0	0.0	67.0
Total	Lumens	5884.4	0.0	5884.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	1.9
10°-20°	336.4	5.7
20°-30°	578.7	9.8
30°-40°	831.6	14.1
40°-50°	1054.6	17.9
50°-60°	1158.1	19.7
60°-70°	1123.1	19.1
70°-80°	620.1	10.5
80°-90°	71.9	1.2
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°	5884.4	100.0
0°-180°	5884.4	100.0

Coefficient of Utilization



REPORT NUMBER: P1211990

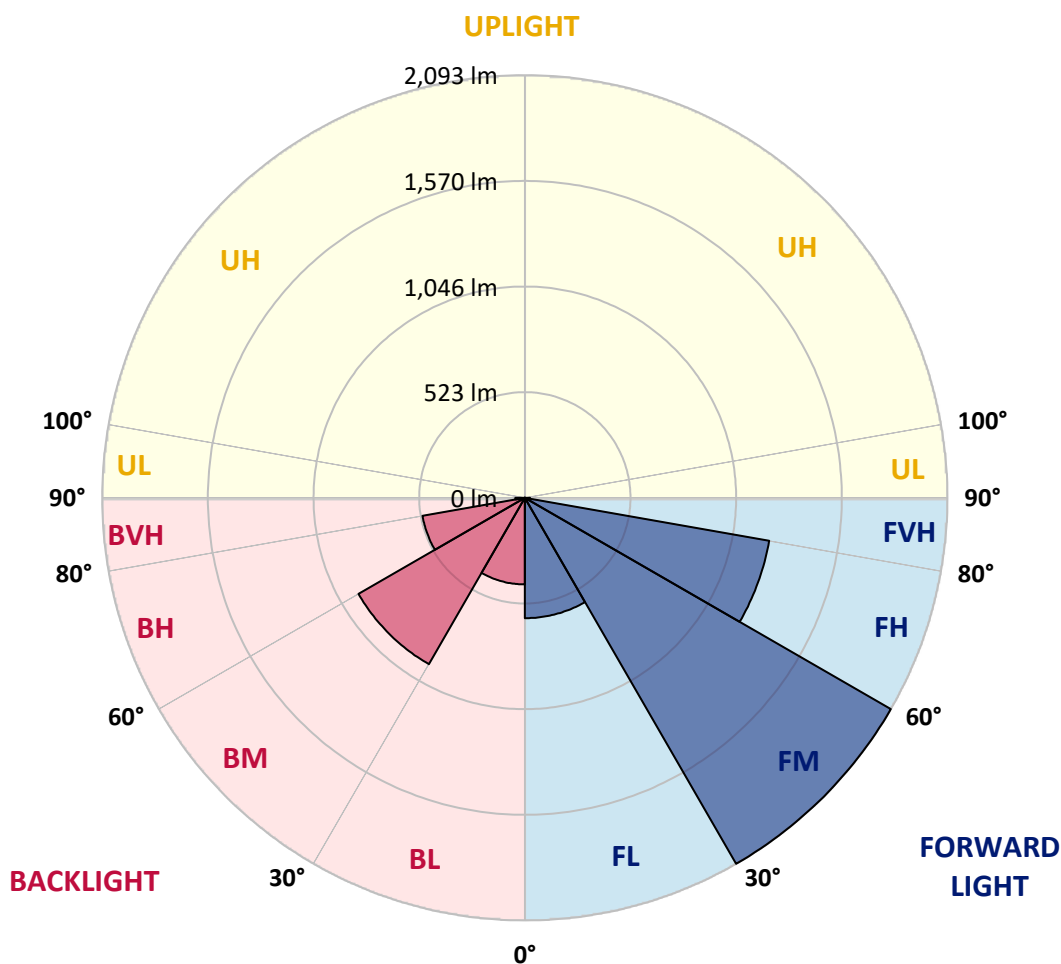
CATALOG NUMBER: GKO-PB2B-840-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	596.1	10.1			
FM	(30°-60°)	2092.9	35.6			
FH	(60°-80°)	1228.6	20.9			G1/1800
FVH	(80°-90°)	25.4	0.4			G1/100
BL	(0°-30°)	428.9	7.3	B1/500		
BM	(30°-60°)	951.3	16.2	B1/1000		
BH	(60°-80°)	514.6	8.7	B2/1000		G2/1000
BVH	(80°-90°)	46.5	0.8			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: P1211990

CATALOG NUMBER: GKO-PB2B-840-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9
2.5°	1178.0	1176.9	1175.7	1175.7	1171.2	1166.6	1162.1	1158.7	1149.6	1148.4	1143.9
5°	1213.3	1213.3	1209.9	1208.7	1201.9	1190.5	1180.3	1170.0	1157.5	1155.2	1145.0
7.5°	1258.8	1258.8	1253.1	1248.6	1238.3	1220.1	1201.9	1183.7	1165.5	1163.2	1147.3
10°	1316.9	1316.9	1312.3	1302.1	1280.4	1256.5	1227.0	1198.5	1174.6	1172.3	1149.6
12.5°	1377.2	1378.3	1371.5	1356.7	1330.5	1294.1	1257.7	1216.7	1186.0	1182.6	1154.1
15°	1438.7	1439.8	1435.2	1419.3	1384.0	1339.6	1290.7	1241.7	1200.8	1197.4	1160.9
17.5°	1499.0	1501.3	1496.7	1478.5	1437.5	1389.7	1329.4	1267.9	1219.0	1214.4	1172.3
20°	1555.9	1555.9	1555.9	1535.4	1495.6	1440.9	1371.5	1299.8	1239.5	1234.9	1186.0
22.5°	1607.1	1609.4	1612.8	1601.4	1555.9	1495.6	1420.4	1335.1	1265.6	1260.0	1203.1
25°	1658.3	1659.5	1668.6	1660.6	1616.2	1553.6	1472.8	1379.5	1297.5	1291.8	1223.5
27.5°	1717.5	1720.9	1726.6	1723.2	1673.1	1611.7	1530.8	1428.4	1332.8	1327.1	1248.6
30°	1786.9	1786.9	1790.3	1784.7	1734.6	1673.1	1588.9	1479.6	1377.2	1368.1	1279.3
32.5°	1843.8	1849.5	1847.3	1845.0	1792.6	1731.2	1648.1	1536.5	1428.4	1417.0	1321.4
35°	1897.3	1898.5	1897.3	1899.6	1847.3	1789.2	1710.7	1602.5	1485.3	1480.8	1374.9
37.5°	1928.1	1930.3	1936.0	1942.9	1896.2	1841.6	1773.3	1675.4	1555.9	1547.9	1438.7
40°	1942.9	1946.3	1977.0	1987.3	1937.2	1891.6	1839.3	1741.4	1624.2	1615.1	1502.4
42.5°	1965.6	1992.9	2008.9	2011.2	1967.9	1928.1	1896.2	1816.5	1708.4	1700.4	1587.8
45°	1890.5	1880.3	1922.4	1971.3	1969.0	1952.0	1950.8	1900.8	1812.0	1804.0	1684.5
47.5°	1796.0	1788.1	1810.8	1882.5	1933.8	1962.2	2004.3	1999.8	1937.2	1925.8	1797.2
50°	1570.7	1584.3	1695.9	1793.8	1882.5	1965.6	2049.9	2103.3	2059.0	2049.9	1916.7
52.5°	1360.1	1369.2	1445.5	1678.8	1816.5	1955.4	2089.7	2212.6	2201.2	2191.0	2047.6
55°	1212.2	1221.3	1343.0	1492.1	1718.6	1903.0	2115.9	2316.2	2345.8	2335.5	2186.4
57.5°	1057.4	1072.2	1155.2	1286.1	1587.8	1816.5	2125.0	2420.9	2502.8	2493.7	2319.6
60°	908.3	928.8	977.7	1120.0	1426.1	1714.1	2101.1	2505.1	2654.2	2654.2	2457.3
62.5°	770.5	781.9	833.1	961.8	1221.3	1583.2	2040.7	2558.6	2793.1	2787.4	2578.0
65°	656.7	662.4	703.4	813.8	1049.4	1438.7	1936.0	2555.2	2892.1	2893.2	2657.6
67°	554.3	563.4	608.9	709.1	918.5	1302.1	1815.4	2504.0	2927.4	2929.7	2677.0
67.5°	519.0	529.3	579.3	682.9	891.2	1264.5	1786.9	2482.4	2925.1	2929.7	2671.3
70°	357.4	359.7	443.9	562.3	733.0	1065.3	1590.0	2332.1	2838.6	2835.2	2547.2
72.5°	227.6	224.2	305.0	410.9	589.6	862.7	1341.9	2069.2	2575.7	2572.3	2245.6
75°	151.4	154.8	206.0	293.6	414.3	667.0	1046.0	1561.6	1789.2	1775.6	1481.9
77.5°	108.1	105.9	127.5	211.7	277.7	405.2	567.9	830.9	950.4	950.4	813.8
80°	59.2	60.3	69.4	117.2	157.1	158.2	212.8	416.6	464.4	474.6	394.9
82.5°	17.1	18.2	25.0	39.8	43.3	47.8	74.0	119.5	125.2	132.0	107.0
85°	0.0	0.0	0.0	1.1	4.6	5.7	5.7	6.8	11.4	11.4	12.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	4.6	4.6	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: P1211990

CATALOG NUMBER: GKO-PB2B-840-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9
2.5°	1142.7	1143.9	1139.3	1133.6	1129.1	1126.8	1120.0	1114.3	1117.7	1121.1	1121.1
5°	1141.6	1140.5	1131.3	1121.1	1114.3	1109.7	1098.3	1090.4	1091.5	1094.9	1093.8
7.5°	1141.6	1137.0	1124.5	1109.7	1098.3	1089.2	1074.4	1065.3	1064.2	1066.5	1064.2
10°	1142.7	1134.8	1117.7	1097.2	1081.3	1067.6	1049.4	1039.2	1035.7	1036.9	1034.6
12.5°	1145.0	1132.5	1110.9	1084.7	1064.2	1046.0	1025.5	1013.0	1010.7	1013.0	1013.0
15°	1148.4	1132.5	1105.2	1073.3	1046.0	1025.5	1005.0	993.6	993.6	994.8	994.8
17.5°	1155.2	1135.9	1100.6	1060.8	1027.8	1005.0	986.8	978.8	980.0	983.4	983.4
20°	1162.1	1140.5	1096.1	1048.3	1011.8	985.7	970.9	965.2	969.7	974.3	974.3
22.5°	1172.3	1146.1	1091.5	1036.9	993.6	967.4	954.9	950.4	954.9	960.6	958.3
25°	1188.3	1156.4	1088.1	1026.6	976.6	948.1	935.6	931.0	933.3	937.9	937.9
27.5°	1206.5	1168.9	1087.0	1014.1	956.1	925.3	910.5	903.7	903.7	904.8	906.0
30°	1237.2	1190.5	1091.5	1005.0	937.9	901.4	882.1	871.8	870.7	875.3	875.3
32.5°	1273.6	1220.1	1102.9	997.0	919.6	873.0	846.8	838.8	836.6	840.0	836.6
35°	1314.6	1253.1	1117.7	995.9	901.4	842.2	812.7	803.6	796.7	794.4	792.2
37.5°	1372.6	1298.7	1132.5	990.2	883.2	809.2	777.4	758.0	750.1	747.8	747.8
40°	1429.5	1343.0	1150.7	981.1	861.6	776.2	730.7	709.1	705.7	705.7	705.7
42.5°	1501.3	1401.1	1175.7	975.4	835.4	743.2	680.6	655.6	655.6	655.6	654.5
45°	1590.0	1477.3	1207.6	973.1	810.4	703.4	627.1	594.1	593.0	591.9	590.7
47.5°	1693.6	1557.0	1238.3	967.4	780.8	655.6	565.7	529.3	521.3	519.0	515.6
50°	1800.6	1643.5	1271.3	959.5	745.5	599.8	507.6	465.5	448.4	442.7	445.0
52.5°	1914.4	1727.7	1303.2	948.1	703.4	544.0	448.4	404.1	387.0	380.2	379.0
55°	2025.9	1813.1	1332.8	933.3	657.9	487.1	398.4	355.1	340.3	338.0	338.0
57.5°	2138.6	1895.1	1355.6	911.7	607.8	437.1	355.1	319.8	309.6	314.1	314.1
60°	2241.1	1966.8	1366.9	882.1	557.7	391.5	321.0	294.8	290.2	301.6	300.5
62.5°	2333.3	2014.6	1361.3	838.8	508.8	352.8	294.8	275.4	276.6	290.2	291.4
65°	2377.6	2022.5	1328.2	779.6	454.1	319.8	267.5	249.3	251.5	266.3	269.7
67°	2367.4	1991.8	1273.6	712.5	409.7	294.8	250.4	232.2	233.3	245.8	247.0
67.5°	2356.0	1977.0	1258.8	692.0	398.4	290.2	245.8	228.8	231.0	242.4	242.4
70°	2204.6	1826.8	1122.2	587.3	344.9	258.4	224.2	212.8	215.1	221.9	221.9
72.5°	1926.9	1582.1	908.3	471.2	292.5	228.8	202.6	195.8	195.8	195.8	190.1
75°	1229.2	991.3	594.1	360.8	241.3	195.8	182.1	174.1	169.6	176.4	174.1
77.5°	679.5	517.9	309.6	207.1	174.1	162.8	158.2	154.8	153.7	169.6	165.0
80°	322.1	256.1	174.1	118.4	100.2	120.6	136.6	134.3	160.5	219.7	220.8
82.5°	102.4	84.2	70.6	64.9	67.2	86.5	105.9	121.8	208.3	235.6	232.2
85°	12.5	11.4	8.0	26.2	44.4	63.7	81.9	158.2	191.2	159.3	150.2
87.5°	4.6	4.6	4.6	18.2	34.1	48.9	74.0	159.3	117.2	107.0	97.9
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)