

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: P1211918

Luminaire Tested: **GKO-PB2D-835-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211918
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-835-U-T2R
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

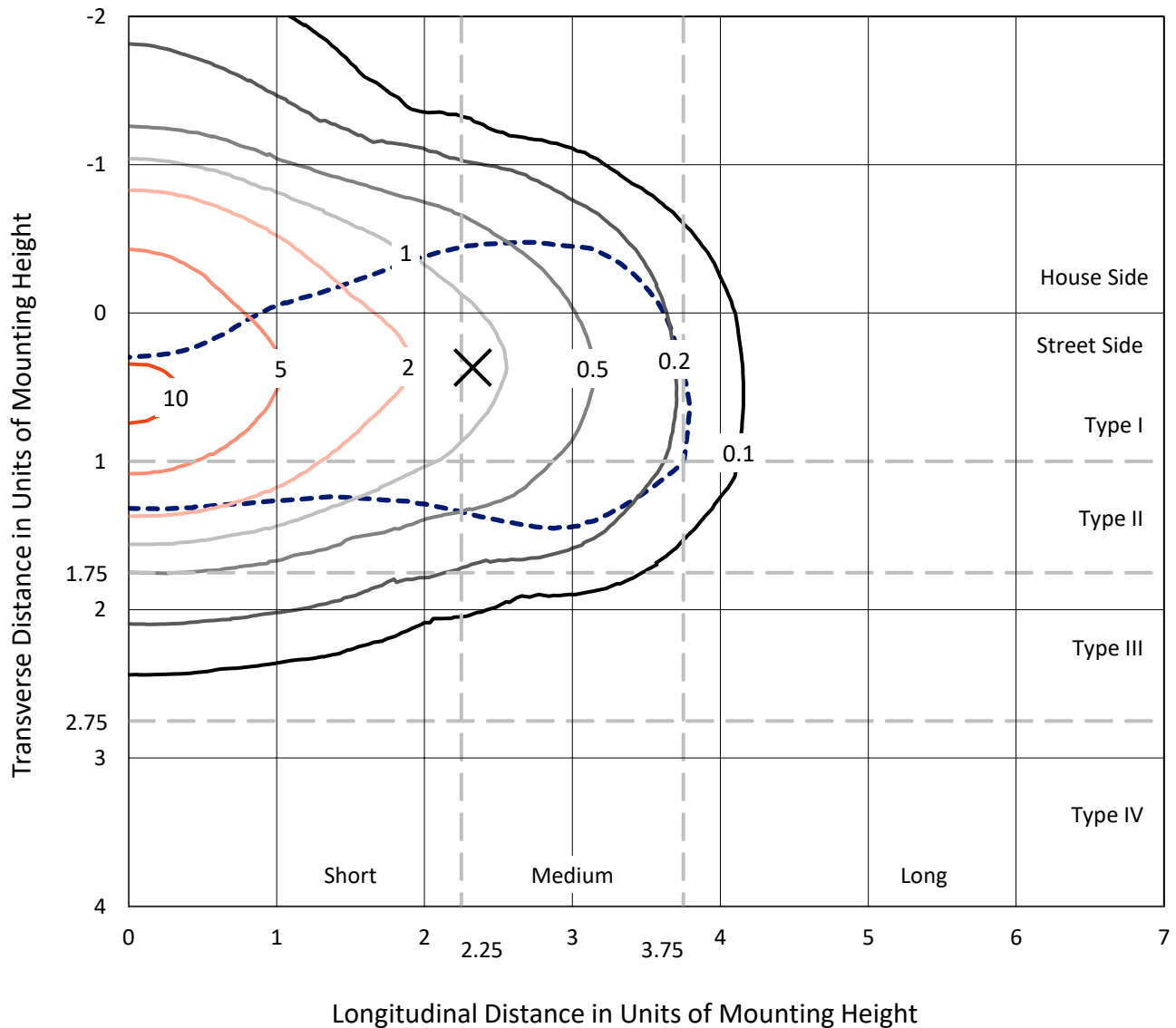
Lumens per Lamp: N/A
Luminaire Lumens: 9408.9 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 76.2
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: P1211918
CATALOG NUMBER: GKO-PB2D-835-U-T2R

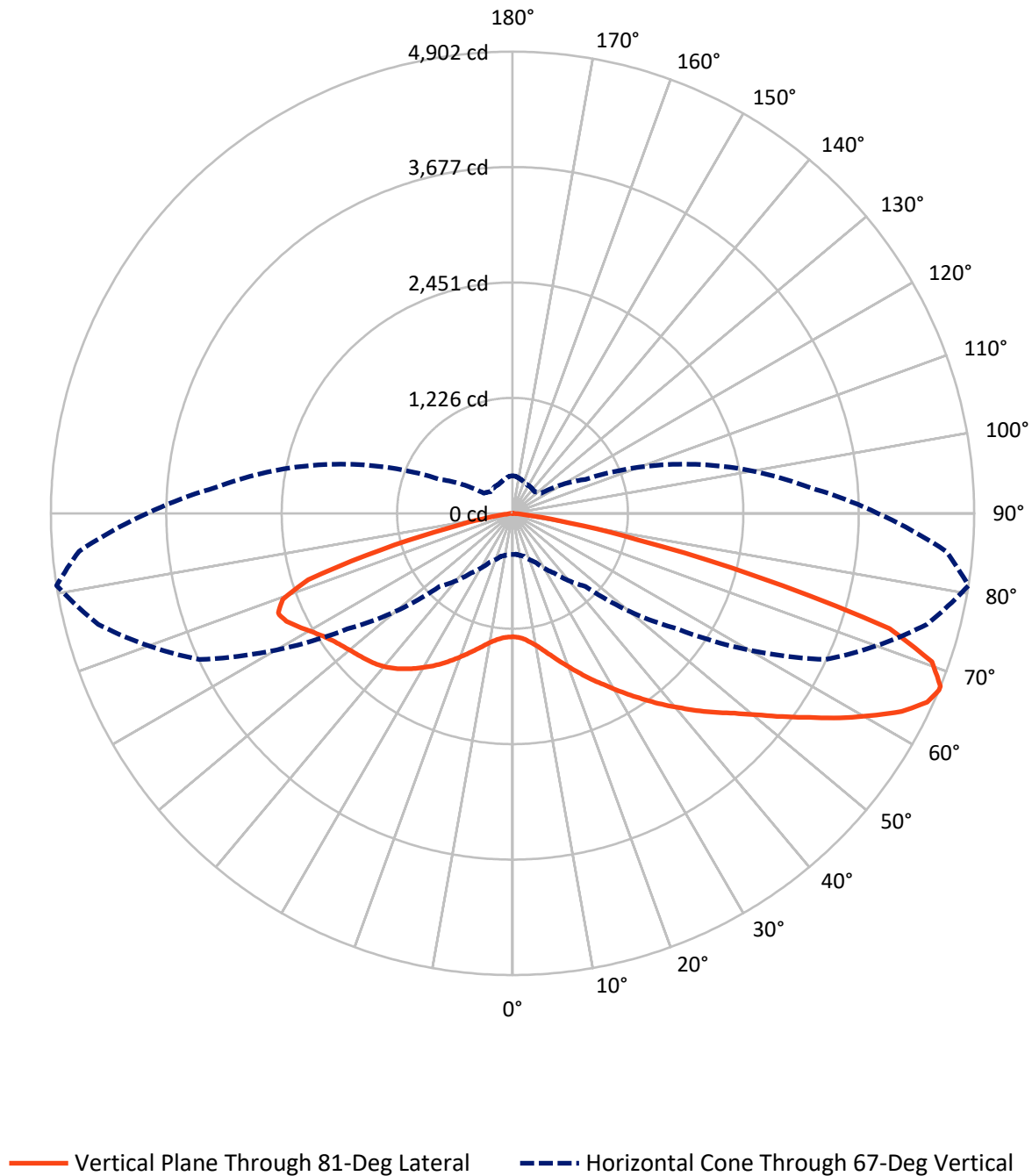
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



REPORT NUMBER: P1211918
CATALOG NUMBER: GKO-PB2D-835-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211918

CATALOG NUMBER: GKO-PB2D-835-U-T2R

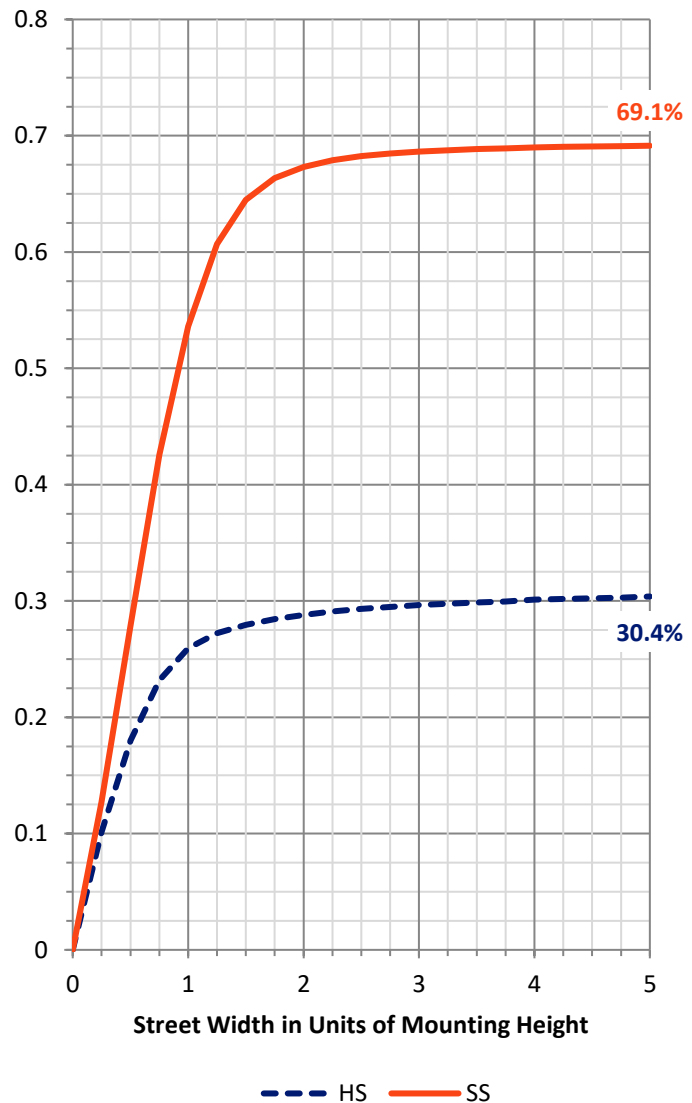
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2905.4	0.0	2905.4
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	6503.4	0.0	6503.4
	% Fixture	69.1	0.0	69.1
Total	Lumens	9408.9	0.0	9408.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	1.4
10°-20°	491.4	5.2
20°-30°	995.5	10.6
30°-40°	1569.7	16.7
40°-50°	1927.8	20.5
50°-60°	1841.6	19.6
60°-70°	1544.4	16.4
70°-80°	818.1	8.7
80°-90°	84.5	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°	9408.9	100.0
0°-180°	9408.9	100.0

Coefficient of Utilization



REPORT NUMBER: P1211918

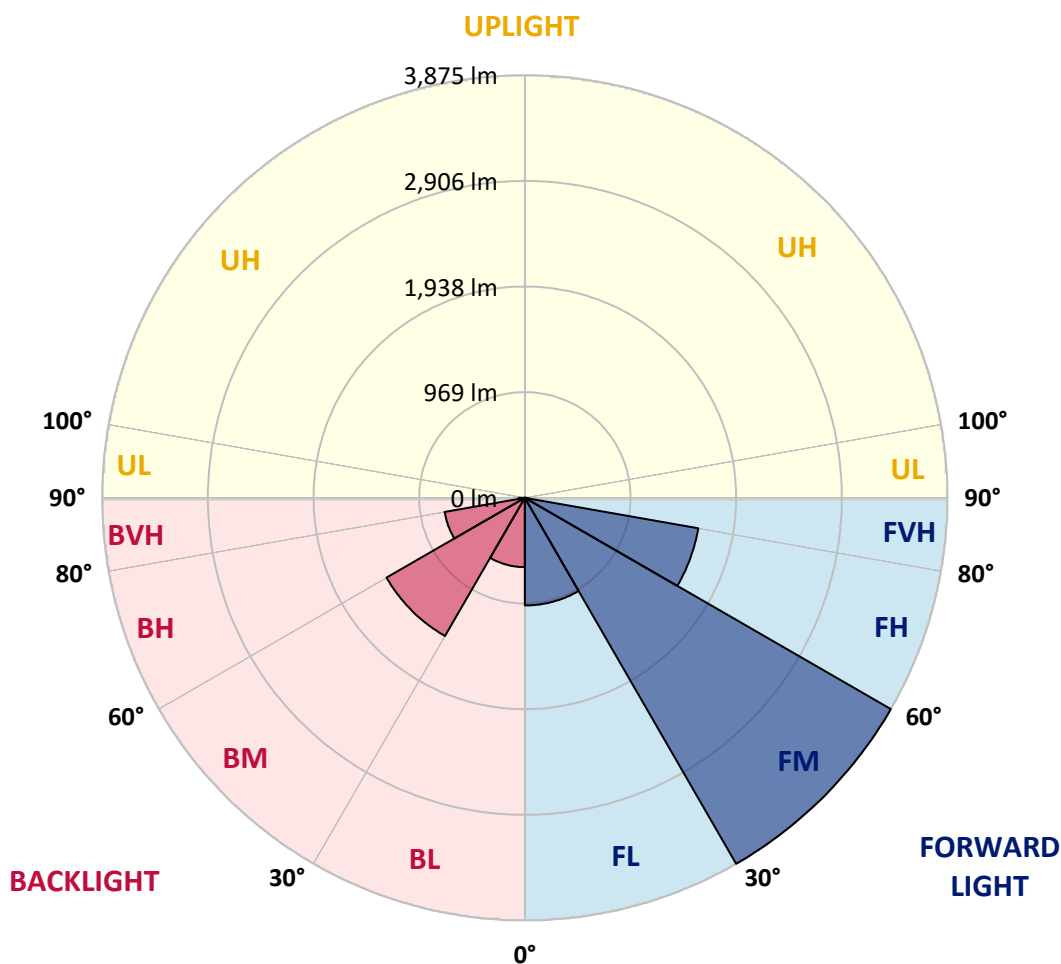
CATALOG NUMBER: GKO-PB2D-835-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	986.9	10.5			
FM	(30°-60°)	3875.2	41.2			
FH	(60°-80°)	1615.2	17.2			G1/1800
FVH	(80°-90°)	26.3	0.3			G1/100
BL	(0°-30°)	635.8	6.8	B2/1000		
BM	(30°-60°)	1464.0	15.6	B2/2500		
BH	(60°-80°)	747.4	7.9	B2/1000		G2/1000
BVH	(80°-90°)	58.2	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: P1211918

CATALOG NUMBER: GKO-PB2D-835-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6
2.5°	1386.3	1389.9	1382.7	1380.9	1373.6	1362.8	1350.2	1341.2	1326.8	1319.6	1316.0
5°	1517.7	1510.5	1505.1	1496.1	1470.9	1449.3	1413.3	1388.1	1361.0	1343.0	1337.6
7.5°	1677.9	1681.5	1663.5	1640.1	1604.1	1560.9	1503.3	1456.5	1406.1	1382.7	1371.8
10°	1852.5	1866.9	1848.9	1820.1	1751.7	1686.9	1616.7	1535.7	1467.3	1431.3	1416.9
12.5°	2065.0	2074.0	2050.6	2012.8	1930.0	1832.7	1733.7	1632.9	1542.9	1497.9	1472.7
15°	2302.6	2295.4	2272.0	2216.2	2110.0	2002.0	1866.9	1735.5	1629.3	1573.5	1537.5
17.5°	2547.5	2538.5	2507.9	2435.8	2315.2	2180.2	2020.0	1854.3	1721.1	1659.9	1611.3
20°	2781.5	2772.5	2750.9	2669.9	2524.1	2358.4	2171.2	1991.2	1825.5	1749.9	1695.9
22.5°	3040.8	3033.6	2999.3	2900.3	2743.7	2561.9	2344.0	2129.8	1939.0	1848.9	1784.1
25°	3321.6	3323.4	3285.6	3147.0	2970.5	2758.1	2529.5	2286.4	2066.8	1953.4	1879.5
27.5°	3649.3	3647.5	3582.7	3433.2	3211.8	2966.9	2713.1	2450.2	2192.8	2059.6	1975.0
30°	3946.3	3939.1	3867.1	3717.7	3462.0	3186.6	2907.5	2608.7	2335.0	2176.6	2074.0
32.5°	4166.0	4167.8	4108.3	3944.5	3694.3	3400.8	3089.4	2786.9	2471.8	2302.6	2189.2
35°	4324.4	4326.2	4268.6	4128.1	3894.1	3600.7	3282.0	2954.3	2624.9	2432.2	2309.8
37.5°	4374.8	4374.8	4337.0	4227.2	4036.3	3780.7	3471.0	3145.2	2777.9	2572.7	2432.2
40°	4306.4	4311.8	4310.0	4238.0	4106.5	3904.9	3645.7	3328.8	2948.9	2711.3	2556.5
42.5°	4151.6	4155.2	4160.6	4133.6	4092.1	3971.5	3786.1	3516.0	3120.0	2862.5	2678.9
45°	3895.9	3910.3	3937.3	3948.1	3964.3	3955.3	3872.5	3690.7	3310.8	3013.7	2799.5
47.5°	3571.8	3595.3	3631.3	3696.1	3786.1	3858.1	3894.1	3825.7	3496.2	3170.4	2934.5
50°	3121.8	3147.0	3244.2	3379.2	3557.4	3697.9	3834.7	3926.5	3703.3	3361.2	3085.8
52.5°	2498.9	2552.9	2716.7	2975.9	3282.0	3490.8	3708.7	3975.1	3913.9	3586.3	3265.8
55°	1901.1	1920.9	2131.6	2443.0	2914.7	3267.6	3535.8	3949.9	4111.9	3822.1	3471.0
57.5°	1328.6	1350.2	1533.9	1874.1	2396.2	2975.9	3363.0	3865.3	4292.0	4099.3	3706.9
60°	943.4	966.8	1103.6	1355.6	1861.5	2551.1	3202.8	3757.3	4448.6	4362.2	3978.7
62.5°	685.9	698.5	770.5	983.0	1344.8	1994.8	2974.1	3687.1	4558.4	4635.8	4257.8
65°	525.7	538.3	579.7	712.9	993.8	1458.3	2563.7	3685.3	4587.2	4837.5	4499.0
67°	437.5	435.7	471.7	572.5	775.9	1096.4	2140.6	3670.9	4554.8	4902.3	4621.4
67.5°	414.1	421.3	450.1	534.7	732.7	1010.0	2048.8	3647.5	4544.0	4900.5	4630.4
70°	329.5	331.3	356.5	423.1	550.9	732.7	1474.5	3417.0	4380.2	4724.1	4529.6
72.5°	241.2	239.4	277.3	320.5	421.3	532.9	988.4	2869.7	4025.5	4185.8	4027.3
75°	178.2	176.4	196.2	244.8	300.7	397.9	640.9	1872.3	2725.7	2662.7	2459.2
77.5°	118.8	122.4	140.4	180.0	214.2	246.6	320.5	862.4	1501.5	1357.4	1307.0
80°	72.0	66.6	79.2	102.6	124.2	126.0	136.8	372.7	644.5	613.9	576.1
82.5°	25.2	25.2	30.6	41.4	41.4	41.4	50.4	90.0	127.8	117.0	111.6
85°	0.0	0.0	0.0	0.0	3.6	5.4	3.6	7.2	12.6	14.4	14.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6	5.4	7.2	7.2
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: P1211918

CATALOG NUMBER: GKO-PB2D-835-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6	1310.6
2.5°	1316.0	1316.0	1310.6	1303.4	1299.8	1298.0	1292.6	1285.4	1290.8	1296.2	1296.2
5°	1334.0	1330.4	1319.6	1312.4	1307.0	1307.0	1299.8	1298.0	1303.4	1308.8	1307.0
7.5°	1362.8	1355.6	1343.0	1332.2	1334.0	1335.8	1325.0	1325.0	1330.4	1335.8	1335.8
10°	1402.5	1389.9	1377.3	1368.2	1370.0	1371.8	1361.0	1357.4	1362.8	1368.2	1371.8
12.5°	1452.9	1436.7	1422.3	1413.3	1411.5	1413.3	1402.5	1398.9	1398.9	1402.5	1402.5
15°	1512.3	1494.3	1476.3	1463.7	1460.1	1458.3	1443.9	1431.3	1431.3	1433.1	1433.1
17.5°	1580.7	1555.5	1532.1	1517.7	1508.7	1496.1	1479.9	1461.9	1456.5	1458.3	1458.3
20°	1649.1	1622.1	1591.5	1571.7	1553.7	1532.1	1506.9	1483.5	1472.7	1472.7	1470.9
22.5°	1728.3	1692.3	1650.9	1623.9	1591.5	1555.5	1519.5	1488.9	1478.1	1474.5	1474.5
25°	1809.3	1767.9	1708.5	1667.1	1620.3	1568.1	1521.3	1479.9	1461.9	1454.7	1454.7
27.5°	1892.1	1843.5	1766.1	1706.7	1638.3	1566.3	1503.3	1451.1	1425.9	1416.9	1413.3
30°	1985.8	1915.5	1816.5	1735.5	1641.9	1550.1	1469.1	1407.9	1370.0	1348.4	1350.2
32.5°	2083.0	1994.8	1863.3	1753.5	1636.5	1519.5	1416.9	1339.4	1290.8	1271.0	1263.8
35°	2182.0	2070.4	1904.7	1762.5	1618.5	1472.7	1350.2	1263.8	1209.8	1181.0	1181.0
37.5°	2282.8	2149.6	1933.6	1760.7	1586.1	1411.5	1272.8	1181.0	1118.0	1082.0	1073.0
40°	2381.8	2223.4	1955.2	1746.3	1537.5	1337.6	1190.0	1091.0	1006.4	959.6	952.4
42.5°	2479.1	2284.6	1966.0	1722.9	1479.9	1256.6	1096.4	963.2	882.2	839.0	837.2
45°	2567.3	2333.2	1967.8	1692.3	1404.3	1164.8	970.4	842.6	761.5	716.5	716.5
47.5°	2653.7	2387.2	1966.0	1652.7	1321.4	1046.0	837.2	712.9	639.1	610.3	601.3
50°	2758.1	2441.2	1964.2	1604.1	1215.2	903.8	707.5	601.3	538.3	509.5	509.5
52.5°	2864.3	2504.3	1967.8	1535.7	1089.2	765.1	592.3	498.7	457.3	439.3	437.5
55°	3001.1	2570.9	1976.8	1454.7	957.8	630.1	493.3	430.3	401.5	392.5	394.3
57.5°	3166.8	2662.7	1994.8	1359.2	804.7	516.7	423.1	388.9	381.7	385.3	387.1
60°	3355.8	2776.1	2020.0	1251.2	669.7	430.3	381.7	374.5	381.7	396.1	397.9
62.5°	3575.4	2912.9	2052.4	1130.6	536.5	378.1	363.7	369.1	374.5	397.9	399.7
65°	3769.9	3060.6	2059.6	988.4	435.7	343.9	352.9	356.5	370.9	397.9	399.7
67°	3879.7	3161.4	2011.0	853.4	372.7	325.9	338.5	342.1	367.3	394.3	397.9
67.5°	3892.3	3183.0	1978.6	819.1	360.1	322.3	334.9	342.1	367.3	394.3	396.1
70°	3854.5	3168.6	1762.5	617.5	297.1	297.1	311.5	327.7	352.9	381.7	394.3
72.5°	3517.8	2889.5	1364.6	419.5	252.0	268.2	289.9	313.3	336.7	370.9	392.5
75°	2223.4	1859.7	835.4	280.9	210.6	239.4	273.6	300.7	320.5	345.7	360.1
77.5°	1188.2	920.0	360.1	165.6	165.6	212.4	253.8	279.1	289.9	298.9	307.9
80°	561.7	428.5	174.6	99.0	115.2	165.6	225.0	252.0	255.6	266.4	270.0
82.5°	111.6	97.2	57.6	52.2	75.6	118.8	187.2	217.8	219.6	237.6	241.2
85°	14.4	12.6	9.0	19.8	48.6	88.2	144.0	187.2	190.8	190.8	187.2
87.5°	7.2	5.4	5.4	14.4	36.0	66.6	118.8	156.6	158.4	124.2	120.6
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)