

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: P1211751

Luminaire Tested: **GKO-PB1F-827-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211751
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1F-827-U-T2U
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

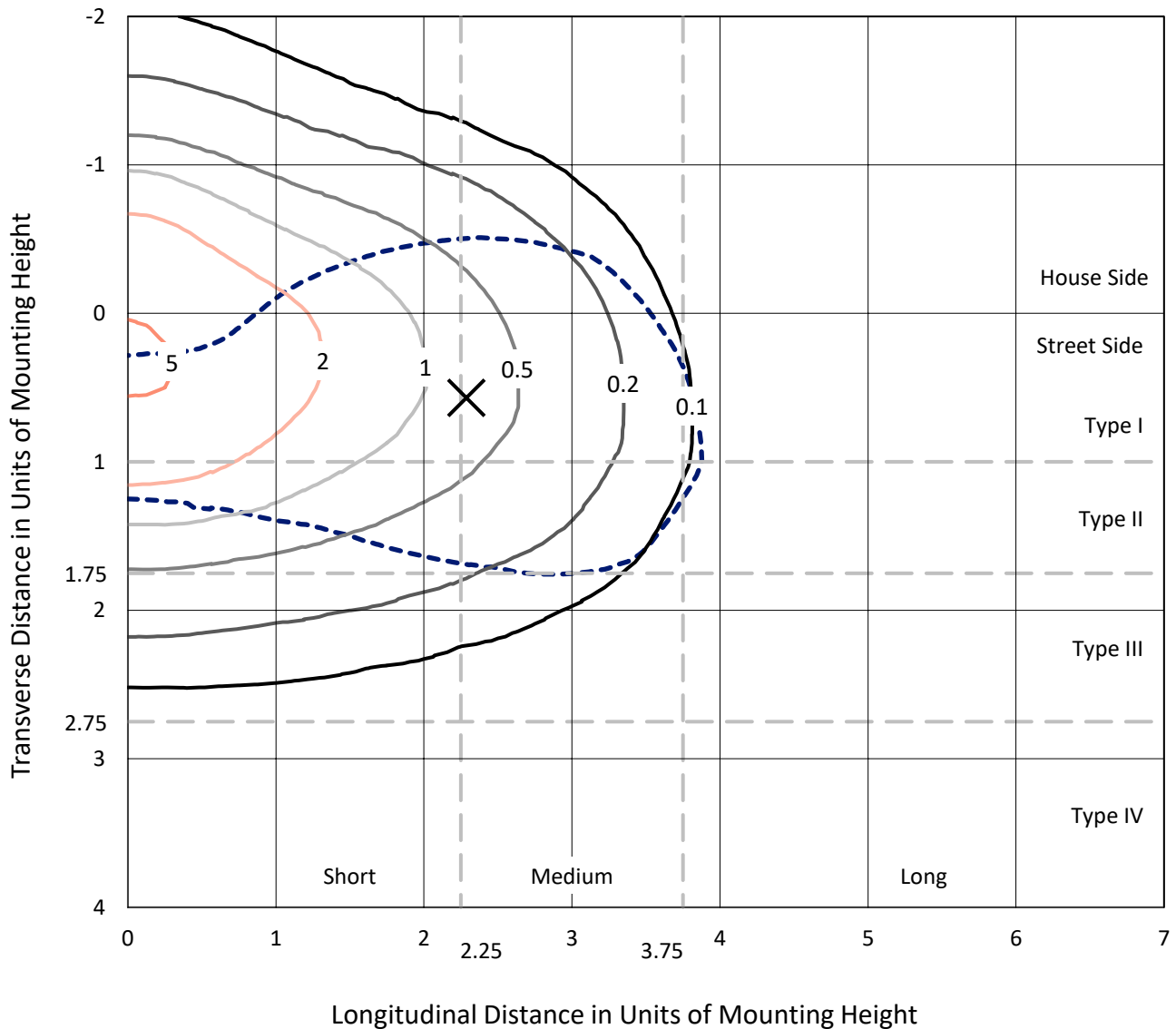
Lumens per Lamp: N/A
Luminaire Lumens: 5661.1 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.7%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

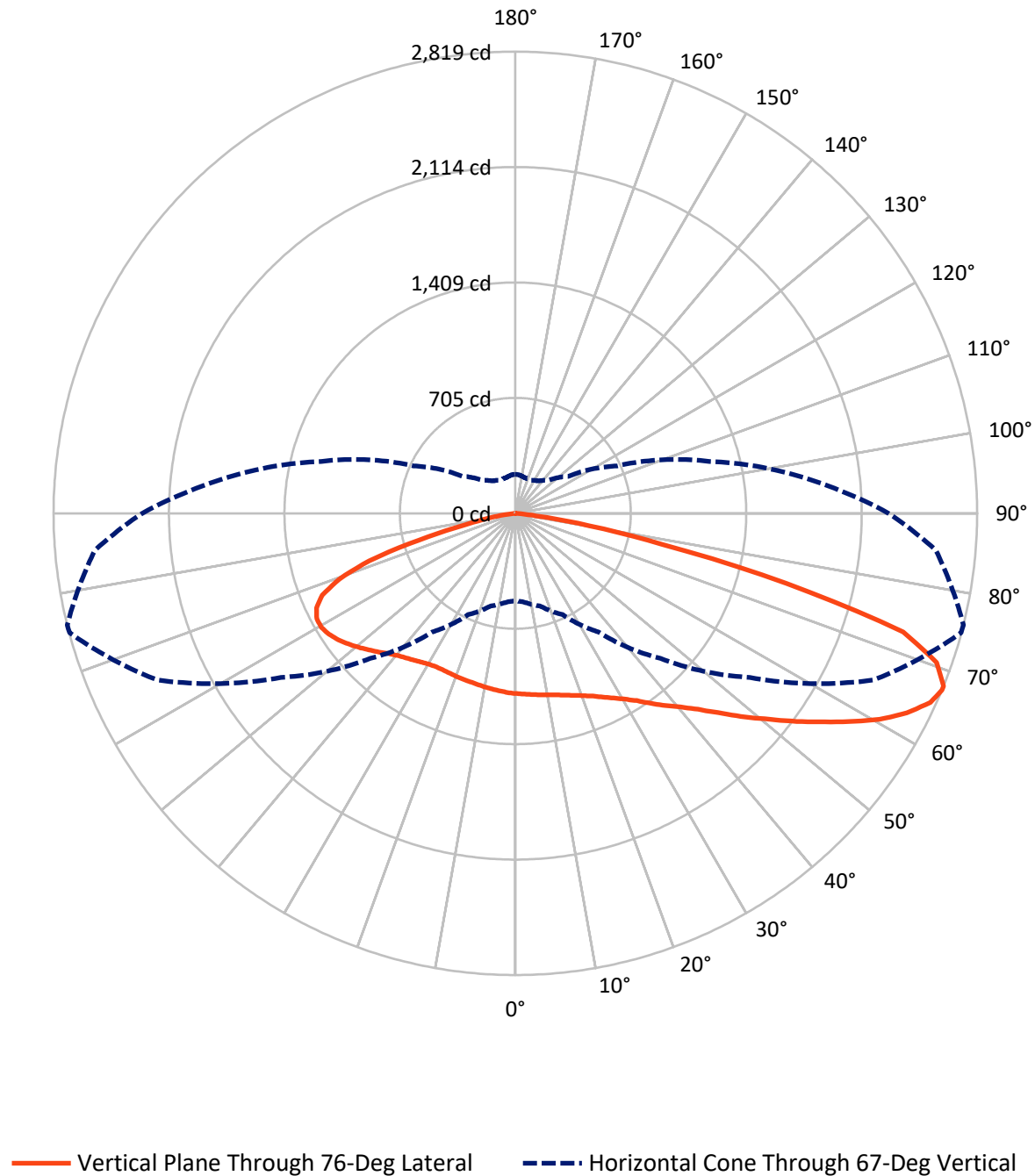
✕ Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1867.7	0.0	1867.7
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	3793.4	0.0	3793.4
	% Fixture	67.0	0.0	67.0
Total	Lumens	5661.1	0.0	5661.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	1.9
10°-20°	323.6	5.7
20°-30°	556.7	9.8
30°-40°	800.0	14.1
40°-50°	1014.6	17.9
50°-60°	1114.1	19.7
60°-70°	1080.5	19.1
70°-80°	596.6	10.5
80°-90°	69.2	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°	5661.1	100.0
0°-180°	5661.1	100.0



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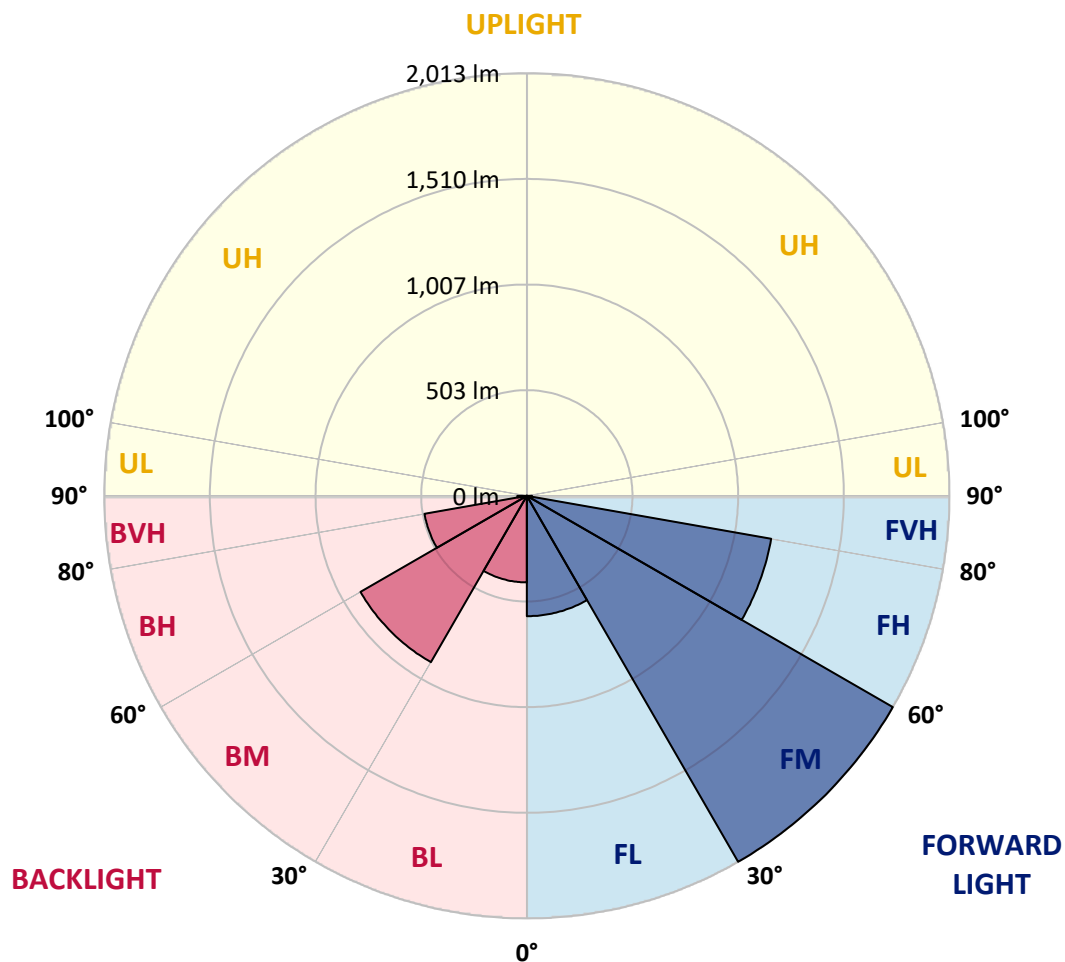
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.5	10.1			
FM	(30°-60°)	2013.5	35.6			
FH	(60°-80°)	1182.0	20.9			G1/1800
FVH	(80°-90°)	24.4	0.4			G1/100
BL	(0°-30°)	412.7	7.3	B1/500		
BM	(30°-60°)	915.2	16.2	B1/1000		
BH	(60°-80°)	495.1	8.7	B1/500		G1/500
BVH	(80°-90°)	44.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5
2.5°	1133.3	1132.2	1131.1	1131.1	1126.7	1122.4	1118.0	1114.7	1105.9	1104.8	1100.5
5°	1167.2	1167.2	1164.0	1162.9	1156.3	1145.3	1135.5	1125.6	1113.6	1111.4	1101.5
7.5°	1211.0	1211.0	1205.6	1201.2	1191.3	1173.8	1156.3	1138.8	1121.3	1119.1	1103.7
10°	1266.9	1266.9	1262.5	1252.7	1231.9	1208.9	1180.4	1153.0	1130.0	1127.8	1105.9
12.5°	1324.9	1326.0	1319.4	1305.2	1280.0	1245.0	1210.0	1170.5	1141.0	1137.7	1110.3
15°	1384.1	1385.1	1380.8	1365.4	1331.5	1288.8	1241.7	1194.6	1155.2	1151.9	1116.9
17.5°	1442.1	1444.3	1439.9	1422.4	1383.0	1337.0	1278.9	1219.8	1172.7	1168.3	1127.8
20°	1496.8	1496.8	1496.8	1477.1	1438.8	1386.2	1319.4	1250.5	1192.4	1188.1	1141.0
22.5°	1546.1	1548.3	1551.6	1540.6	1496.8	1438.8	1366.5	1284.4	1217.6	1212.1	1157.4
25°	1595.4	1596.5	1605.2	1597.6	1554.9	1494.6	1416.9	1327.1	1248.3	1242.8	1177.1
27.5°	1652.3	1655.6	1661.1	1657.8	1609.6	1550.5	1472.7	1374.2	1282.2	1276.7	1201.2
30°	1719.1	1719.1	1722.4	1716.9	1668.7	1609.6	1528.6	1423.5	1324.9	1316.2	1230.8
32.5°	1773.9	1779.3	1777.1	1775.0	1724.6	1665.5	1585.5	1478.2	1374.2	1363.2	1271.3
35°	1825.3	1826.4	1825.3	1827.5	1777.1	1721.3	1645.8	1541.7	1428.9	1424.6	1322.7
37.5°	1854.9	1857.1	1862.6	1869.1	1824.2	1771.7	1706.0	1611.8	1496.8	1489.2	1384.1
40°	1869.1	1872.4	1902.0	1911.8	1863.7	1819.9	1769.5	1675.3	1562.5	1553.8	1445.4
42.5°	1891.0	1917.3	1932.6	1934.8	1893.2	1854.9	1824.2	1747.6	1643.6	1635.9	1527.5
45°	1818.8	1808.9	1849.4	1896.5	1894.3	1877.9	1876.8	1828.6	1743.2	1735.5	1620.6
47.5°	1727.9	1720.2	1742.1	1811.1	1860.4	1887.7	1928.3	1923.9	1863.7	1852.7	1729.0
50°	1511.1	1524.2	1631.5	1725.7	1811.1	1891.0	1972.1	2023.5	1980.8	1972.1	1843.9
52.5°	1308.5	1317.3	1390.6	1615.1	1747.6	1881.2	2010.4	2128.6	2117.7	2107.8	1969.9
55°	1166.2	1174.9	1292.1	1435.5	1653.4	1830.8	2035.6	2228.3	2256.7	2246.9	2103.5
57.5°	1017.2	1031.5	1111.4	1237.3	1527.5	1747.6	2044.3	2329.0	2407.9	2399.1	2231.6
60°	873.8	893.5	940.6	1077.5	1372.0	1649.0	2021.3	2410.0	2553.5	2553.5	2364.1
62.5°	741.3	752.2	801.5	925.3	1174.9	1523.1	1963.3	2461.5	2687.1	2681.6	2480.1
65°	631.8	637.3	676.7	782.9	1009.6	1384.1	1862.6	2458.2	2782.3	2783.4	2556.8
67°	533.3	542.0	585.8	682.2	883.6	1252.7	1746.5	2409.0	2816.3	2816.3	2575.4
67.5°	499.3	509.2	557.3	657.0	857.4	1216.5	1719.1	2388.1	2814.1	2818.5	2569.9
70°	343.8	346.0	427.0	540.9	705.2	1024.9	1529.7	2243.6	2730.9	2727.6	2450.6
72.5°	219.0	215.7	293.5	395.3	567.2	830.0	1291.0	1990.7	2477.9	2474.7	2160.4
75°	145.6	148.9	198.2	282.5	398.6	641.7	1006.3	1502.3	1721.3	1708.2	1425.7
77.5°	104.0	101.8	122.6	203.7	267.2	389.8	546.4	799.3	914.3	914.3	782.9
80°	56.9	58.0	66.8	112.8	151.1	152.2	204.8	400.8	446.8	456.6	380.0
82.5°	16.4	17.5	24.1	38.3	41.6	46.0	71.2	115.0	120.4	127.0	102.9
85°	0.0	0.0	0.0	1.1	4.4	5.5	5.5	6.6	10.9	10.9	12.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2	4.4	4.4	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5
2.5°	1099.4	1100.5	1096.1	1090.6	1086.2	1084.0	1077.5	1072.0	1075.3	1078.6	1078.6
5°	1098.3	1097.2	1088.4	1078.6	1072.0	1067.6	1056.7	1049.0	1050.1	1053.4	1052.3
7.5°	1098.3	1093.9	1081.8	1067.6	1056.7	1047.9	1033.7	1024.9	1023.8	1026.0	1023.8
10°	1099.4	1091.7	1075.3	1055.6	1040.2	1027.1	1009.6	999.7	996.4	997.5	995.3
12.5°	1101.5	1089.5	1068.7	1043.5	1023.8	1006.3	986.6	974.5	972.3	974.5	974.5
15°	1104.8	1089.5	1063.2	1032.6	1006.3	986.6	966.9	955.9	955.9	957.0	957.0
17.5°	1111.4	1092.8	1058.8	1020.5	988.8	966.9	949.3	941.7	942.8	946.1	946.1
20°	1118.0	1097.2	1054.5	1008.5	973.4	948.3	934.0	928.5	932.9	937.3	937.3
22.5°	1127.8	1102.6	1050.1	997.5	955.9	930.7	918.7	914.3	918.7	924.2	922.0
25°	1143.2	1112.5	1046.8	987.7	939.5	912.1	900.1	895.7	897.9	902.3	902.3
27.5°	1160.7	1124.5	1045.7	975.6	919.8	890.2	876.0	869.4	869.4	870.5	871.6
30°	1190.2	1145.3	1050.1	966.9	902.3	867.2	848.6	838.8	837.7	842.0	842.0
32.5°	1225.3	1173.8	1061.0	959.2	884.7	839.8	814.7	807.0	804.8	808.1	804.8
35°	1264.7	1205.6	1075.3	958.1	867.2	810.3	781.8	773.1	766.5	764.3	762.1
37.5°	1320.5	1249.4	1089.5	952.6	849.7	778.5	747.9	729.3	721.6	719.4	719.4
40°	1375.3	1292.1	1107.0	943.9	828.9	746.8	703.0	682.2	678.9	678.9	678.9
42.5°	1444.3	1347.9	1131.1	938.4	803.7	715.0	654.8	630.7	630.7	630.7	629.6
45°	1529.7	1421.3	1161.8	936.2	779.6	676.7	603.3	571.6	570.5	569.4	568.3
47.5°	1629.3	1497.9	1191.3	930.7	751.2	630.7	544.2	509.2	501.5	499.3	496.0
50°	1732.3	1581.1	1223.1	923.1	717.2	577.1	488.4	447.8	431.4	425.9	428.1
52.5°	1841.8	1662.2	1253.7	912.1	676.7	523.4	431.4	388.7	372.3	365.7	364.6
55°	1949.1	1744.3	1282.2	897.9	632.9	468.7	383.2	341.6	327.4	325.2	325.2
57.5°	2057.5	1823.1	1304.1	877.1	584.7	420.5	341.6	307.7	297.8	302.2	302.2
60°	2156.0	1892.1	1315.1	848.6	536.5	376.7	308.8	283.6	279.2	290.2	289.1
62.5°	2244.7	1938.1	1309.6	807.0	489.5	339.4	283.6	265.0	266.1	279.2	280.3
65°	2287.4	1945.8	1277.8	750.1	436.9	307.7	257.3	239.8	242.0	256.2	259.5
67°	2277.6	1916.2	1225.3	685.5	394.2	283.6	240.9	223.4	224.5	236.5	237.6
67.5°	2266.6	1902.0	1211.0	665.7	383.2	279.2	236.5	220.1	222.3	233.2	233.2
70°	2121.0	1757.4	1079.6	565.0	331.8	248.6	215.7	204.8	207.0	213.5	213.5
72.5°	1853.8	1522.0	873.8	453.3	281.4	220.1	194.9	188.3	188.3	188.3	182.9
75°	1182.6	953.7	571.6	347.1	232.1	188.3	175.2	167.5	163.2	169.7	167.5
77.5°	653.7	498.2	297.8	199.3	167.5	156.6	152.2	148.9	147.8	163.2	158.8
80°	309.9	246.4	167.5	113.9	96.4	116.1	131.4	129.2	154.4	211.3	212.4
82.5°	98.5	81.0	67.9	62.4	64.6	83.2	101.8	117.2	200.4	226.7	223.4
85°	12.0	10.9	7.7	25.2	42.7	61.3	78.8	152.2	184.0	153.3	144.5
87.5°	4.4	4.4	4.4	17.5	32.8	47.1	71.2	153.3	112.8	102.9	94.2
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)