

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: P1211960

Luminaire Tested: **GKO-PB2B-827-U-T2U**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211960
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-827-U-T2U
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

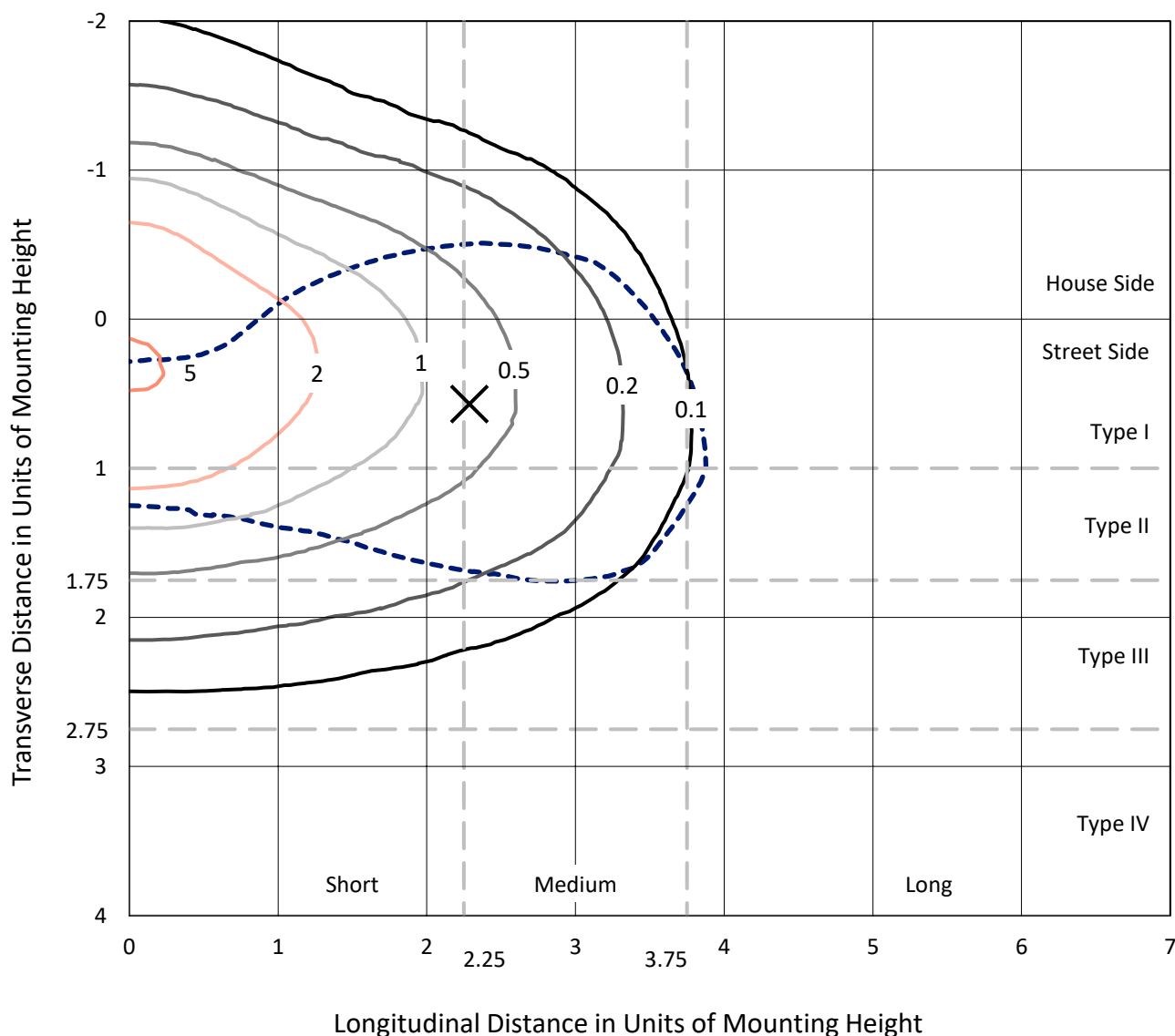
Lumens per Lamp: N/A
Luminaire Lumens: 5400.4 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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: P1211960
 CATALOG NUMBER: GKO-PB2B-827-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

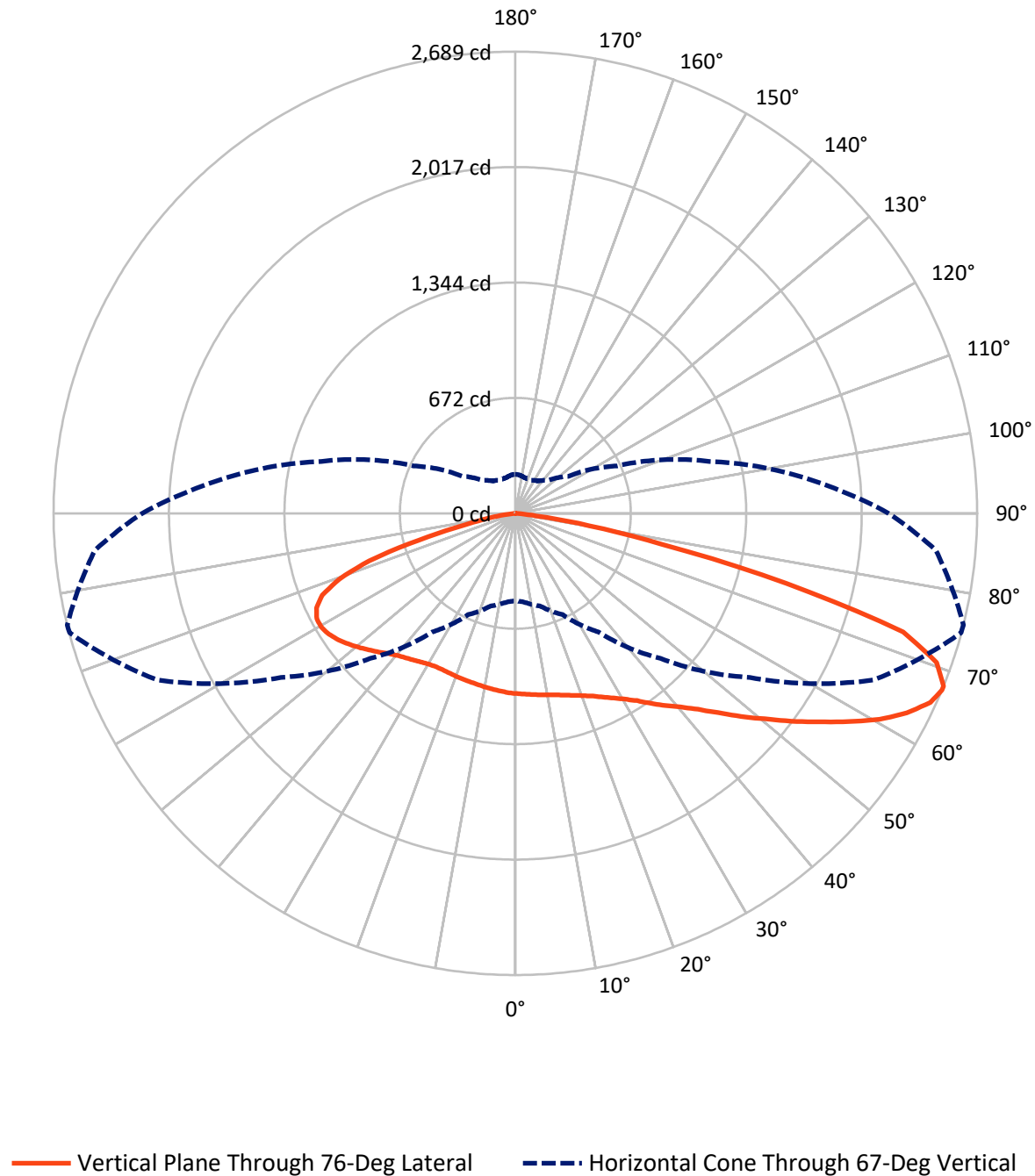
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211960
CATALOG NUMBER: GKO-PB2B-827-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P1211960

CATALOG NUMBER: GKO-PB2B-827-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1781.7	0.0	1781.7
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	3618.7	0.0	3618.7
	% Fixture	67.0	0.0	67.0
Total	Lumens	5400.4	0.0	5400.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.9	1.9
10°-20°	308.7	5.7
20°-30°	531.1	9.8
30°-40°	763.2	14.1
40°-50°	967.9	17.9
50°-60°	1062.8	19.7
60°-70°	1030.7	19.1
70°-80°	569.1	10.5
80°-90°	66.0	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°	5400.4	100.0
0°-180°	5400.4	100.0

Coefficient of Utilization



REPORT NUMBER: P1211960

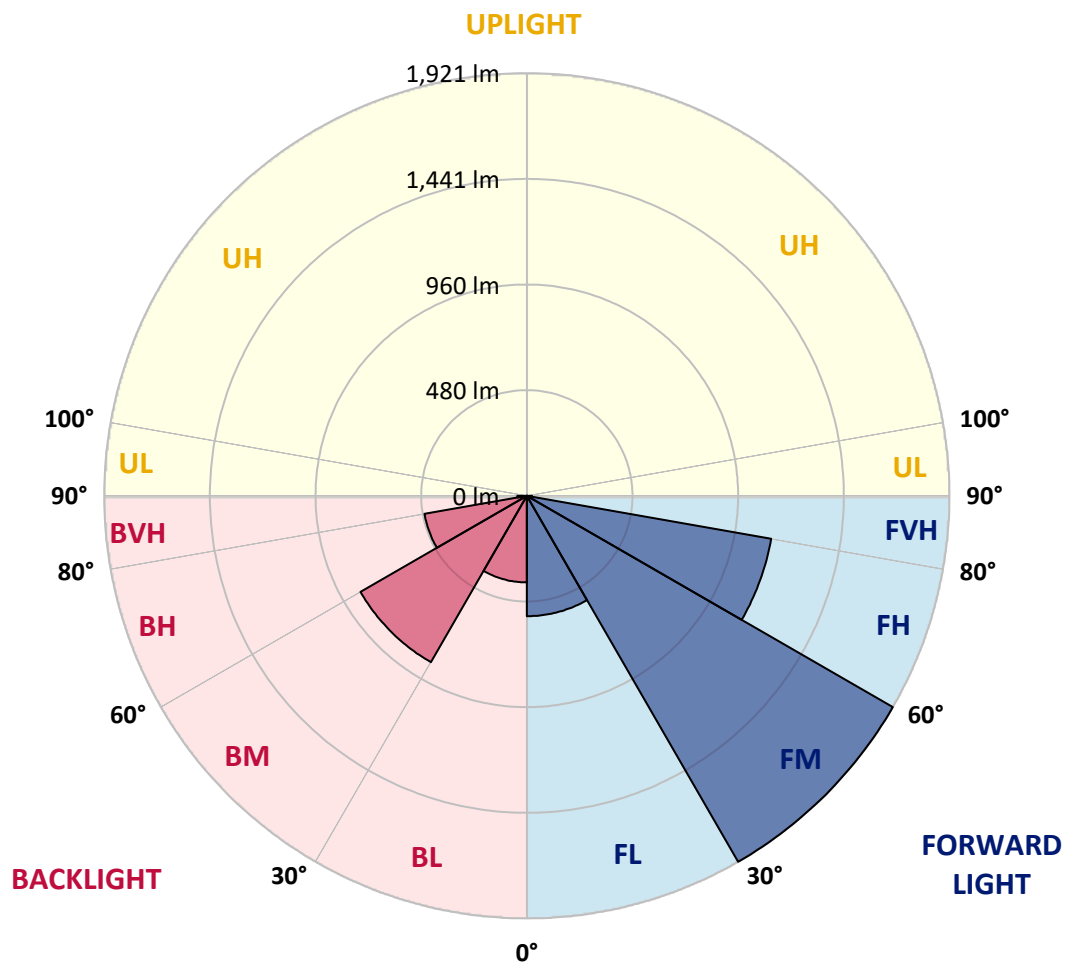
CATALOG NUMBER: GKO-PB2B-827-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	547.1	10.1			
FM	(30°-60°)	1920.8	35.6			
FH	(60°-80°)	1127.5	20.9			G1/1800
FVH	(80°-90°)	23.3	0.4			G1/100
BL	(0°-30°)	393.7	7.3	B1/500		
BM	(30°-60°)	873.1	16.2	B1/1000		
BH	(60°-80°)	472.3	8.7	B1/500		G1/500
BVH	(80°-90°)	42.7	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





REPORT NUMBER: P1211960

CATALOG NUMBER: GKO-PB2B-827-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8
2.5°	1081.1	1080.1	1079.0	1079.0	1074.9	1070.7	1066.5	1063.4	1055.0	1054.0	1049.8
5°	1113.5	1113.5	1110.4	1109.3	1103.1	1092.6	1083.2	1073.8	1062.3	1060.2	1050.8
7.5°	1155.3	1155.3	1150.1	1145.9	1136.5	1119.8	1103.1	1086.3	1069.6	1067.5	1052.9
10°	1208.6	1208.6	1204.4	1195.0	1175.1	1153.2	1126.0	1099.9	1078.0	1075.9	1055.0
12.5°	1263.9	1265.0	1258.7	1245.1	1221.1	1187.7	1154.2	1116.6	1088.4	1085.3	1059.2
15°	1320.3	1321.4	1317.2	1302.6	1270.2	1229.4	1184.5	1139.6	1102.0	1098.9	1065.4
17.5°	1375.7	1377.8	1373.6	1356.9	1319.3	1275.4	1220.0	1163.6	1118.7	1114.5	1075.9
20°	1427.9	1427.9	1427.9	1409.1	1372.5	1322.4	1258.7	1192.9	1137.5	1133.3	1088.4
22.5°	1474.9	1477.0	1480.1	1469.7	1427.9	1372.5	1303.6	1225.3	1161.5	1156.3	1104.1
25°	1521.9	1523.0	1531.3	1524.0	1483.3	1425.8	1351.7	1266.0	1190.8	1185.6	1122.9
27.5°	1576.2	1579.4	1584.6	1581.5	1535.5	1479.1	1404.9	1310.9	1223.2	1218.0	1145.9
30°	1640.0	1640.0	1643.1	1637.9	1591.9	1535.5	1458.2	1357.9	1263.9	1255.6	1174.1
32.5°	1692.2	1697.4	1695.3	1693.2	1645.2	1588.8	1512.5	1410.2	1310.9	1300.5	1212.7
35°	1741.3	1742.3	1741.3	1743.4	1695.3	1642.0	1570.0	1470.7	1363.1	1359.0	1261.8
37.5°	1769.5	1771.6	1776.8	1783.1	1740.2	1690.1	1627.4	1537.6	1427.9	1420.6	1320.3
40°	1783.1	1786.2	1814.4	1823.8	1777.8	1736.1	1688.0	1598.2	1490.6	1482.2	1378.8
42.5°	1804.0	1829.0	1843.6	1845.7	1806.0	1769.5	1740.2	1667.1	1567.9	1560.6	1457.2
45°	1735.0	1725.6	1764.3	1809.2	1807.1	1791.4	1790.4	1744.4	1662.9	1655.6	1545.9
47.5°	1648.3	1641.0	1661.9	1727.7	1774.7	1800.8	1839.5	1835.3	1777.8	1767.4	1649.4
50°	1441.5	1454.0	1556.4	1646.2	1727.7	1804.0	1881.2	1930.3	1889.6	1881.2	1759.0
52.5°	1248.2	1256.6	1326.6	1540.7	1667.1	1794.6	1917.8	2030.6	2020.2	2010.8	1879.2
55°	1112.5	1120.8	1232.6	1369.4	1577.3	1746.5	1941.8	2125.7	2152.8	2143.4	2006.6
57.5°	970.4	984.0	1060.2	1180.4	1457.2	1667.1	1950.2	2221.8	2297.0	2288.6	2128.8
60°	833.6	852.4	897.3	1027.8	1308.8	1573.1	1928.3	2299.1	2435.9	2435.9	2255.2
62.5°	707.2	717.6	764.6	882.7	1120.8	1453.0	1872.9	2348.2	2563.3	2558.1	2365.9
65°	602.7	607.9	645.5	746.9	963.1	1320.3	1776.8	2345.0	2654.2	2655.3	2439.0
67°	508.7	517.1	558.8	650.8	843.0	1195.0	1666.1	2298.0	2686.6	2688.7	2456.8
67.5°	476.3	485.7	531.7	626.7	817.9	1160.5	1640.0	2278.2	2684.5	2688.7	2451.6
70°	328.0	330.1	407.4	516.0	672.7	977.7	1459.2	2140.3	2605.1	2602.0	2337.7
72.5°	208.9	205.8	279.9	377.1	541.1	791.8	1231.5	1899.0	2363.8	2360.7	2060.9
75°	138.9	142.1	189.1	269.5	380.2	612.1	959.9	1433.1	1642.0	1629.5	1360.0
77.5°	99.2	97.1	117.0	194.3	254.9	371.9	521.2	762.5	872.2	872.2	746.9
80°	54.3	55.4	63.7	107.6	144.1	145.2	195.3	382.3	426.2	435.6	362.5
82.5°	15.7	16.7	23.0	36.6	39.7	43.9	67.9	109.7	114.9	121.2	98.2
85°	0.0	0.0	0.0	1.0	4.2	5.2	5.2	6.3	10.4	10.4	11.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.1	4.2	4.2	5.2
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: P1211960

CATALOG NUMBER: GKO-PB2B-827-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8	1049.8
2.5°	1048.7	1049.8	1045.6	1040.4	1036.2	1034.1	1027.8	1022.6	1025.8	1028.9	1028.9
5°	1047.7	1046.6	1038.3	1028.9	1022.6	1018.4	1008.0	1000.7	1001.7	1004.9	1003.8
7.5°	1047.7	1043.5	1032.0	1018.4	1008.0	999.6	986.1	977.7	976.7	978.8	976.7
10°	1048.7	1041.4	1025.8	1007.0	992.3	979.8	963.1	953.7	950.5	951.6	949.5
12.5°	1050.8	1039.3	1019.5	995.5	976.7	959.9	941.1	929.7	927.6	929.7	929.7
15°	1054.0	1039.3	1014.3	985.0	959.9	941.1	922.3	911.9	911.9	912.9	912.9
17.5°	1060.2	1042.5	1010.1	973.5	943.2	922.3	905.6	898.3	899.4	902.5	902.5
20°	1066.5	1046.6	1005.9	962.0	928.6	904.6	891.0	885.8	890.0	894.1	894.1
22.5°	1075.9	1051.9	1001.7	951.6	911.9	887.9	876.4	872.2	876.4	881.6	879.5
25°	1090.5	1061.3	998.6	942.2	896.2	870.1	858.6	854.4	856.5	860.7	860.7
27.5°	1107.2	1072.8	997.6	930.7	877.4	849.2	835.6	829.4	829.4	830.4	831.5
30°	1135.4	1092.6	1001.7	922.3	860.7	827.3	809.5	800.1	799.1	803.3	803.3
32.5°	1168.9	1119.8	1012.2	915.0	844.0	801.2	777.2	769.8	767.8	770.9	767.8
35°	1206.5	1150.1	1025.8	914.0	827.3	773.0	745.8	737.5	731.2	729.1	727.0
37.5°	1259.7	1191.8	1039.3	908.8	810.6	742.7	713.4	695.7	688.4	686.3	686.3
40°	1312.0	1232.6	1056.0	900.4	790.7	712.4	670.6	650.8	647.6	647.6	647.6
42.5°	1377.8	1285.9	1079.0	895.2	766.7	682.1	624.6	601.7	601.7	601.7	600.6
45°	1459.2	1355.8	1108.3	893.1	743.7	645.5	575.6	545.3	544.2	543.2	542.1
47.5°	1554.3	1429.0	1136.5	887.9	716.6	601.7	519.1	485.7	478.4	476.3	473.2
50°	1652.5	1508.3	1166.8	880.6	684.2	550.5	465.9	427.2	411.6	406.3	408.4
52.5°	1756.9	1585.6	1196.0	870.1	645.5	499.3	411.6	370.8	355.1	348.9	347.8
55°	1859.3	1664.0	1223.2	856.5	603.8	447.1	365.6	325.9	312.3	310.2	310.2
57.5°	1962.7	1739.2	1244.1	836.7	557.8	401.1	325.9	293.5	284.1	288.3	288.3
60°	2056.7	1805.0	1254.5	809.5	511.8	359.3	294.6	270.5	266.4	276.8	275.8
62.5°	2141.3	1848.9	1249.3	769.8	466.9	323.8	270.5	252.8	253.8	266.4	267.4
65°	2182.1	1856.2	1219.0	715.5	416.8	293.5	245.5	228.8	230.8	244.4	247.6
67°	2172.7	1828.0	1168.9	653.9	376.0	270.5	229.8	213.1	214.1	225.6	226.7
67.5°	2162.2	1814.4	1155.3	635.1	365.6	266.4	225.6	210.0	212.0	222.5	222.5
70°	2023.3	1676.5	1029.9	539.0	316.5	237.1	205.8	195.3	197.4	203.7	203.7
72.5°	1768.4	1451.9	833.6	432.4	268.5	210.0	185.9	179.7	179.7	179.7	174.4
75°	1128.1	909.8	545.3	331.1	221.4	179.7	167.1	159.8	155.6	161.9	159.8
77.5°	623.6	475.3	284.1	190.1	159.8	149.4	145.2	142.1	141.0	155.6	151.5
80°	295.6	235.0	159.8	108.6	91.9	110.7	125.3	123.3	147.3	201.6	202.6
82.5°	94.0	77.3	64.8	59.5	61.6	79.4	97.1	111.8	191.2	216.2	213.1
85°	11.5	10.4	7.3	24.0	40.7	58.5	75.2	145.2	175.5	146.2	137.9
87.5°	4.2	4.2	4.2	16.7	31.3	44.9	67.9	146.2	107.6	98.2	89.8
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)