

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: P1211992

Luminaire Tested: **GKO-PB1E-850-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211992
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-850-U-T2U
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4777.9 lumens
Efficiency: N/A
Efficacy: 123.5 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

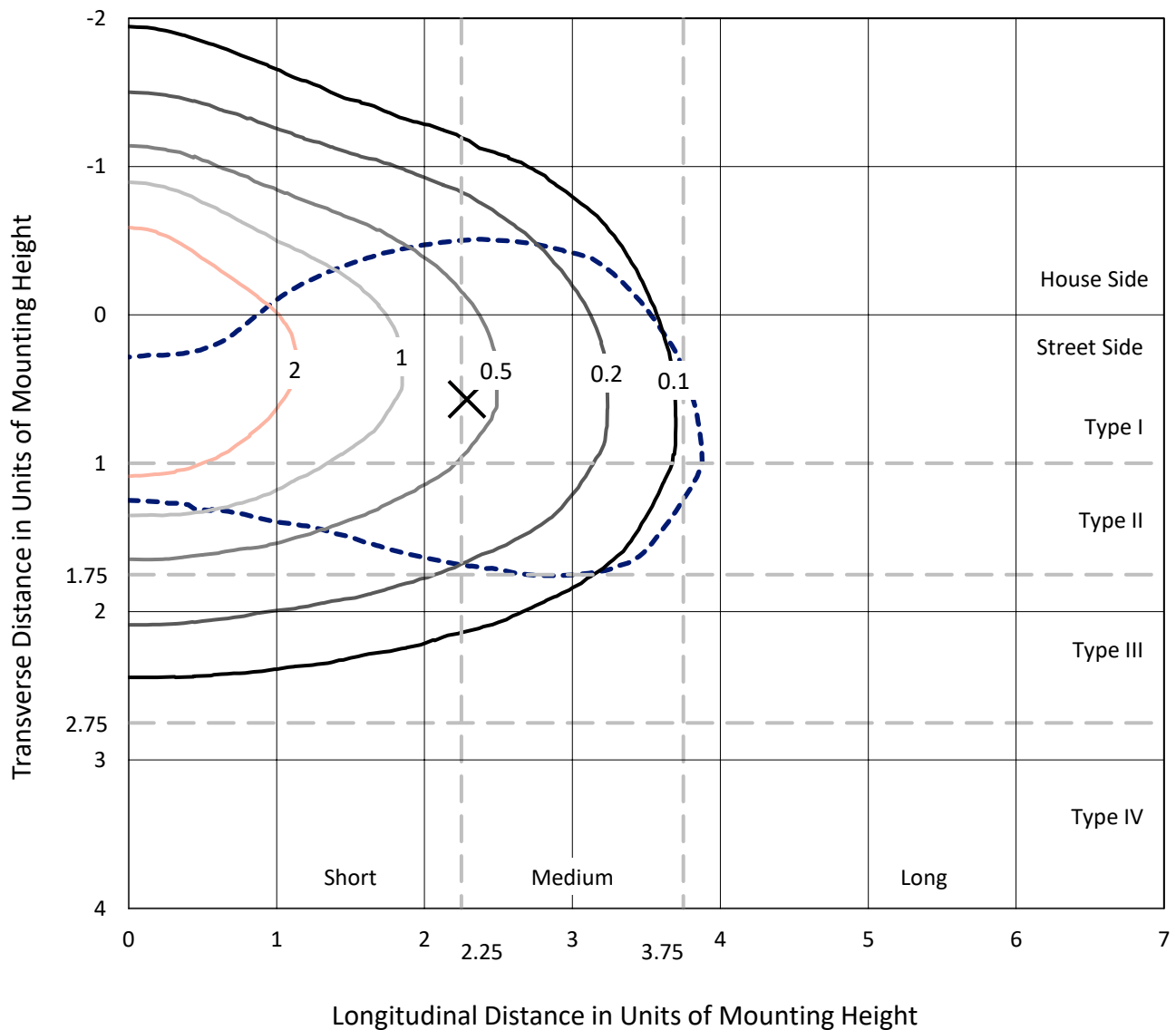
Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

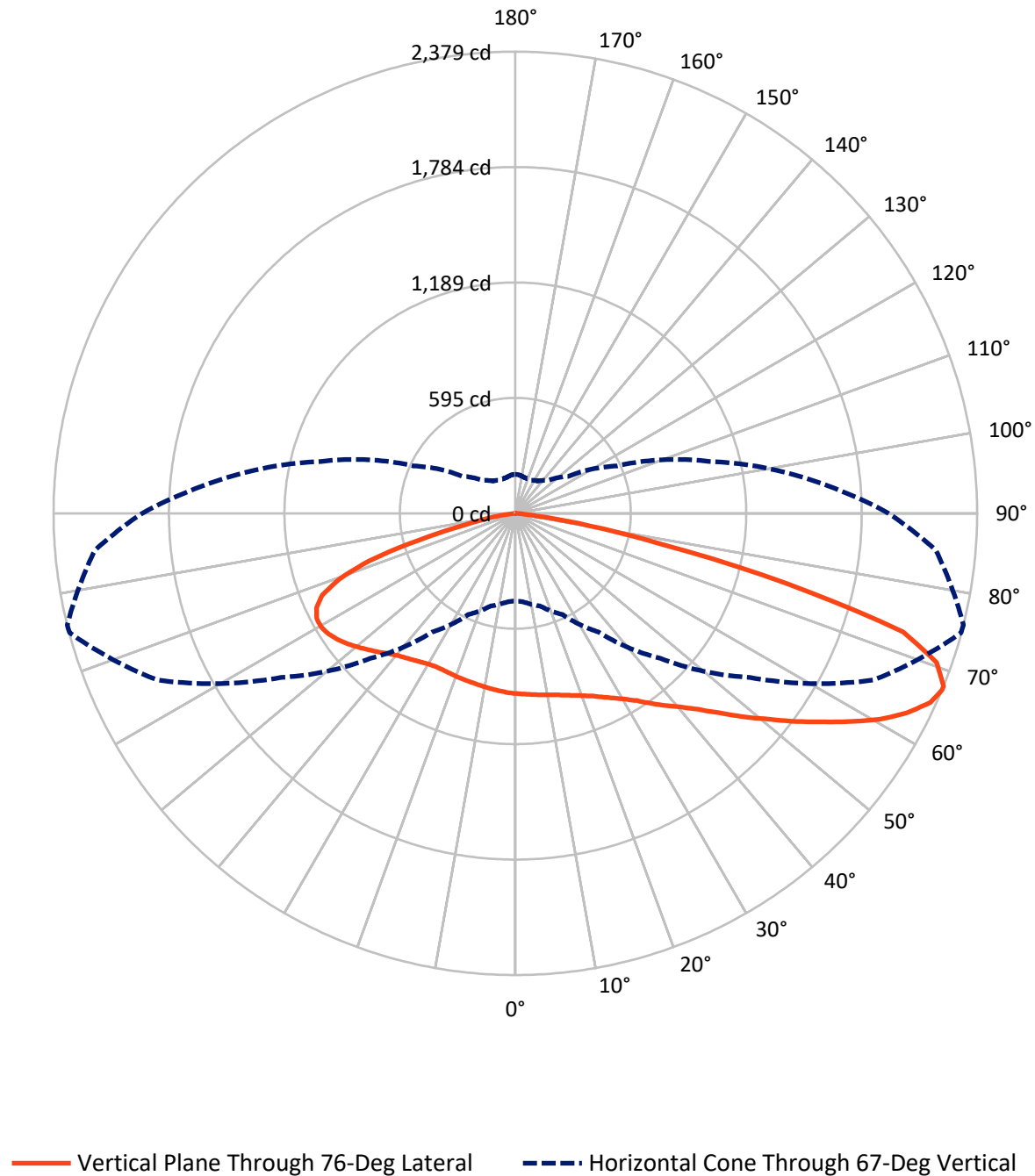
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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	1576.3	0.0	1576.3
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	3201.6	0.0	3201.6
	% Fixture	67.0	0.0	67.0
Total	Lumens	4777.9	0.0	4777.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.9
10°-20°	273.1	5.7
20°-30°	469.9	9.8
30°-40°	675.2	14.1
40°-50°	856.3	17.9
50°-60°	940.3	19.7
60°-70°	911.9	19.1
70°-80°	503.5	10.5
80°-90°	58.4	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°	4777.9	100.0
0°-180°	4777.9	100.0

Coefficient of Utilization



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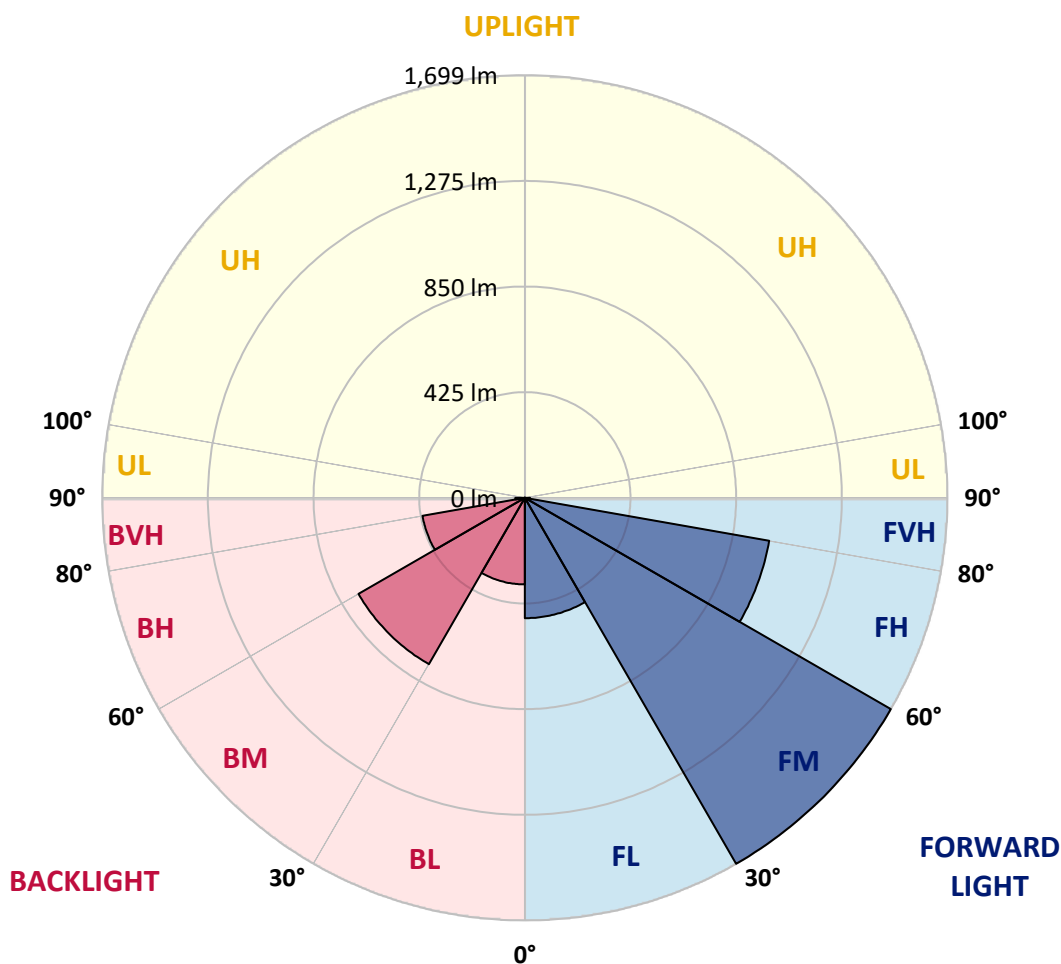
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	484.0	10.1			
FM	(30°-60°)	1699.4	35.6			
FH	(60°-80°)	997.6	20.9			G1/1800
FVH	(80°-90°)	20.6	0.4			G1/100
BL	(0°-30°)	348.3	7.3	B1/500		
BM	(30°-60°)	772.4	16.2	B1/1000		
BH	(60°-80°)	417.8	8.7	B1/500		G1/500
BVH	(80°-90°)	37.8	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°	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8
2.5°	956.5	955.6	954.7	954.7	951.0	947.3	943.6	940.8	933.4	932.5	928.8
5°	985.1	985.1	982.4	981.5	975.9	966.7	958.3	950.0	939.9	938.0	929.7
7.5°	1022.1	1022.1	1017.5	1013.8	1005.5	990.7	975.9	961.1	946.3	944.5	931.5
10°	1069.2	1069.2	1065.5	1057.2	1039.7	1020.3	996.2	973.1	953.7	951.9	933.4
12.5°	1118.2	1119.2	1113.6	1101.6	1080.3	1050.8	1021.2	987.9	963.0	960.2	937.1
15°	1168.1	1169.1	1165.4	1152.4	1123.8	1087.7	1048.0	1008.3	975.0	972.2	942.6
17.5°	1217.1	1219.0	1215.3	1200.5	1167.2	1128.4	1079.4	1029.5	989.8	986.1	951.9
20°	1263.3	1263.3	1263.3	1246.7	1214.3	1170.0	1113.6	1055.4	1006.4	1002.7	963.0
22.5°	1304.9	1306.8	1309.5	1300.3	1263.3	1214.3	1153.3	1084.0	1027.7	1023.0	976.8
25°	1346.5	1347.4	1354.8	1348.3	1312.3	1261.5	1195.9	1120.1	1053.5	1048.9	993.5
27.5°	1394.5	1397.3	1401.9	1399.2	1358.5	1308.6	1243.0	1159.8	1082.2	1077.6	1013.8
30°	1450.9	1450.9	1453.7	1449.1	1408.4	1358.5	1290.1	1201.4	1118.2	1110.8	1038.7
32.5°	1497.1	1501.7	1499.9	1498.1	1455.5	1405.6	1338.2	1247.6	1159.8	1150.6	1072.9
35°	1540.6	1541.5	1540.6	1542.4	1499.9	1452.8	1389.0	1301.2	1206.0	1202.3	1116.4
37.5°	1565.5	1567.4	1572.0	1577.5	1539.6	1495.3	1439.8	1360.4	1263.3	1256.8	1168.1
40°	1577.5	1580.3	1605.3	1613.6	1572.9	1535.9	1493.4	1414.0	1318.8	1311.4	1219.9
42.5°	1596.0	1618.2	1631.1	1633.0	1597.9	1565.5	1539.6	1474.9	1387.2	1380.7	1289.2
45°	1535.0	1526.7	1560.9	1600.6	1598.8	1584.9	1584.0	1543.3	1471.3	1464.8	1367.7
47.5°	1458.3	1451.8	1470.3	1528.6	1570.1	1593.2	1627.4	1623.7	1572.9	1563.7	1459.2
50°	1275.3	1286.4	1377.0	1456.5	1528.6	1596.0	1664.4	1707.8	1671.8	1664.4	1556.3
52.5°	1104.4	1111.8	1173.7	1363.1	1474.9	1587.7	1696.7	1796.6	1787.3	1779.0	1662.6
55°	984.2	991.6	1090.5	1211.6	1395.5	1545.2	1718.0	1880.7	1904.7	1896.4	1775.3
57.5°	858.5	870.6	938.0	1044.3	1289.2	1474.9	1725.4	1965.7	2032.2	2024.8	1883.4
60°	737.5	754.1	793.8	909.4	1158.0	1391.8	1706.0	2034.1	2155.1	2155.1	1995.2
62.5°	625.7	634.9	676.5	780.9	991.6	1285.5	1657.0	2077.5	2267.9	2263.3	2093.2
65°	533.2	537.9	571.1	660.8	852.1	1168.1	1572.0	2074.7	2348.3	2349.2	2157.9
67°	450.1	457.5	494.4	575.7	745.8	1057.2	1474.0	2033.1	2376.9	2378.8	2173.6
67.5°	421.4	429.7	470.4	554.5	723.6	1026.7	1450.9	2015.6	2375.1	2378.8	2169.0
70°	290.2	292.0	360.4	456.5	595.2	865.0	1291.0	1893.6	2304.8	2302.1	2068.3
72.5°	184.8	182.1	247.7	333.6	478.7	700.5	1089.6	1680.1	2091.4	2088.6	1823.4
75°	122.9	125.7	167.3	238.4	336.4	541.6	849.3	1267.9	1452.8	1441.7	1203.2
77.5°	87.8	85.9	103.5	171.9	225.5	329.0	461.2	674.6	771.7	771.7	660.8
80°	48.1	49.0	56.4	95.2	127.5	128.5	172.8	338.2	377.1	385.4	320.7
82.5°	13.9	14.8	20.3	32.3	35.1	38.8	60.1	97.0	101.7	107.2	86.9
85°	0.0	0.0	0.0	0.9	3.7	4.6	4.6	5.5	9.2	9.2	10.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	3.7	3.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8
2.5°	927.9	928.8	925.1	920.5	916.8	914.9	909.4	904.7	907.5	910.3	910.3
5°	926.9	926.0	918.6	910.3	904.7	901.0	891.8	885.3	886.3	889.0	888.1
7.5°	926.9	923.2	913.1	901.0	891.8	884.4	872.4	865.0	864.1	865.9	864.1
10°	927.9	921.4	907.5	890.9	877.9	866.9	852.1	843.8	841.0	841.9	840.1
12.5°	929.7	919.5	902.0	880.7	864.1	849.3	832.7	822.5	820.6	822.5	822.5
15°	932.5	919.5	897.4	871.5	849.3	832.7	816.0	806.8	806.8	807.7	807.7
17.5°	938.0	922.3	893.7	861.3	834.5	816.0	801.2	794.8	795.7	798.5	798.5
20°	943.6	926.0	890.0	851.1	821.6	800.3	788.3	783.7	787.4	791.1	791.1
22.5°	951.9	930.6	886.3	841.9	806.8	785.5	775.4	771.7	775.4	780.0	778.1
25°	964.8	938.9	883.5	833.6	792.9	769.8	759.7	756.0	757.8	761.5	761.5
27.5°	979.6	949.1	882.6	823.4	776.3	751.3	739.3	733.8	733.8	734.7	735.6
30°	1004.6	966.7	886.3	816.0	761.5	731.9	716.2	707.9	707.0	710.7	710.7
32.5°	1034.1	990.7	895.5	809.6	746.7	708.8	687.6	681.1	679.3	682.0	679.3
35°	1067.4	1017.5	907.5	808.6	731.9	683.9	659.8	652.5	646.9	645.1	643.2
37.5°	1114.5	1054.5	919.5	804.0	717.1	657.1	631.2	615.5	609.0	607.2	607.2
40°	1160.7	1090.5	934.3	796.6	699.6	630.3	593.3	575.7	573.0	573.0	573.0
42.5°	1219.0	1137.6	954.7	792.0	678.3	603.5	552.6	532.3	532.3	532.3	531.4
45°	1291.0	1199.6	980.5	790.2	658.0	571.1	509.2	482.4	481.5	480.6	479.6
47.5°	1375.1	1264.2	1005.5	785.5	634.0	532.3	459.3	429.7	423.3	421.4	418.6
50°	1462.0	1334.5	1032.3	779.1	605.3	487.0	412.2	378.0	364.1	359.5	361.3
52.5°	1554.4	1402.9	1058.2	769.8	571.1	441.7	364.1	328.1	314.2	308.7	307.7
55°	1645.0	1472.2	1082.2	757.8	534.2	395.5	323.5	288.3	276.3	274.5	274.5
57.5°	1736.5	1538.7	1100.7	740.2	493.5	354.9	288.3	259.7	251.4	255.1	255.1
60°	1819.7	1596.9	1109.9	716.2	452.8	317.9	260.6	239.4	235.7	244.9	244.0
62.5°	1894.5	1635.8	1105.3	681.1	413.1	286.5	239.4	223.6	224.6	235.7	236.6
65°	1930.6	1642.2	1078.5	633.0	368.7	259.7	217.2	202.4	204.2	216.3	219.0
67°	1922.2	1617.3	1034.1	578.5	332.7	239.4	203.3	188.5	189.5	199.6	200.5
67.5°	1913.0	1605.3	1022.1	561.9	323.5	235.7	199.6	185.8	187.6	196.8	196.8
70°	1790.1	1483.3	911.2	476.9	280.0	209.8	182.1	172.8	174.7	180.2	180.2
72.5°	1564.6	1284.6	737.5	382.6	237.5	185.8	164.5	159.0	159.0	159.0	154.3
75°	998.1	804.9	482.4	293.0	195.9	159.0	147.9	141.4	137.7	143.2	141.4
77.5°	551.7	420.5	251.4	168.2	141.4	132.2	128.5	125.7	124.8	137.7	134.0
80°	261.5	207.9	141.4	96.1	81.3	98.0	110.9	109.1	130.3	178.4	179.3
82.5°	83.2	68.4	57.3	52.7	54.5	70.2	85.9	98.9	169.1	191.3	188.5
85°	10.2	9.2	6.5	21.3	36.0	51.8	66.5	128.5	155.3	129.4	122.0
87.5°	3.7	3.7	3.7	14.8	27.7	39.7	60.1	129.4	95.2	86.9	79.5
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)