

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: P1211748

Luminaire Tested: **GKO-PB1F-840-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211748
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1F-840-U-T2R
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

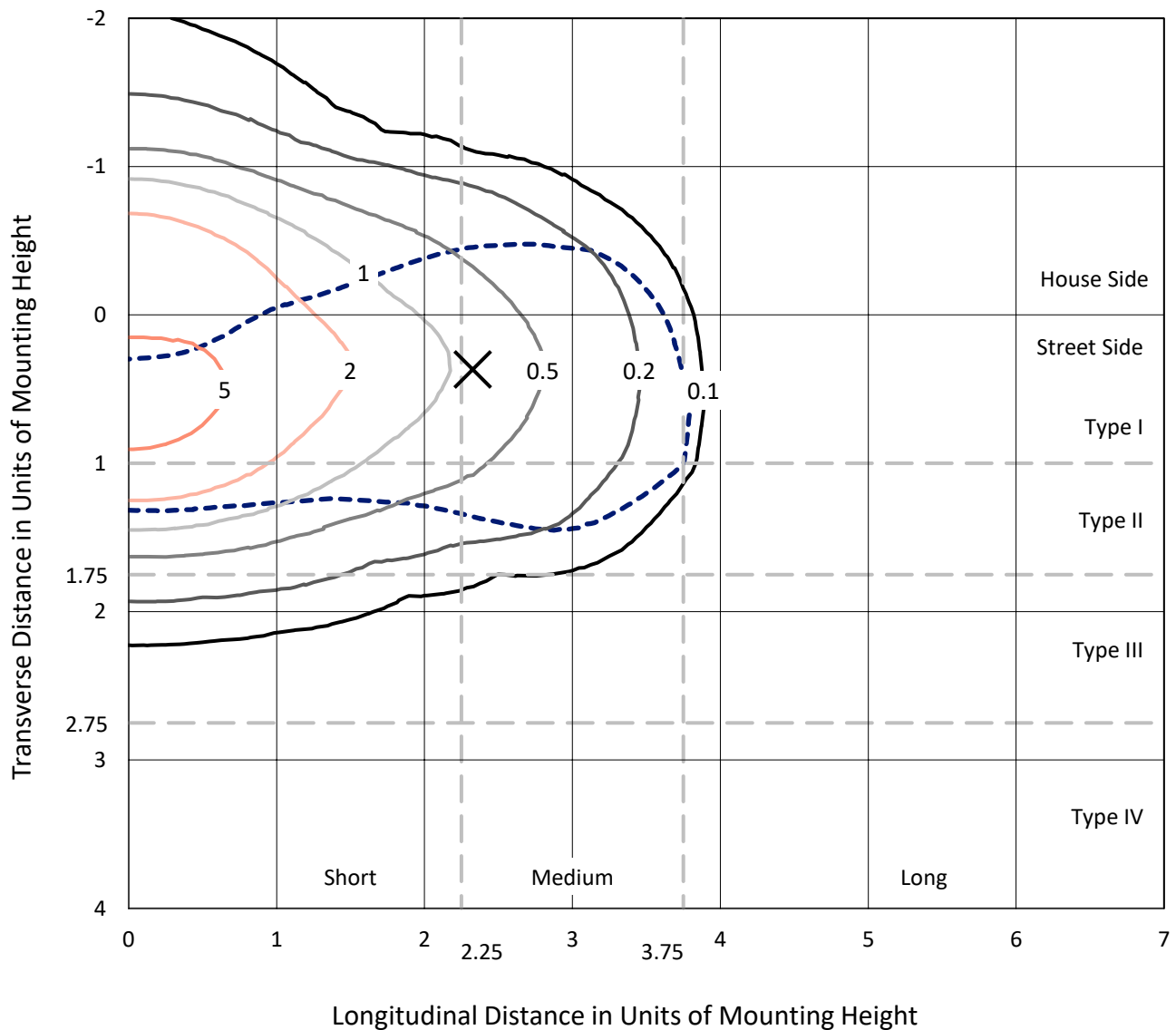
Lumens per Lamp: N/A
Luminaire Lumens: 6234.2 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P1211748
 CATALOG NUMBER: GKO-PB1F-840-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

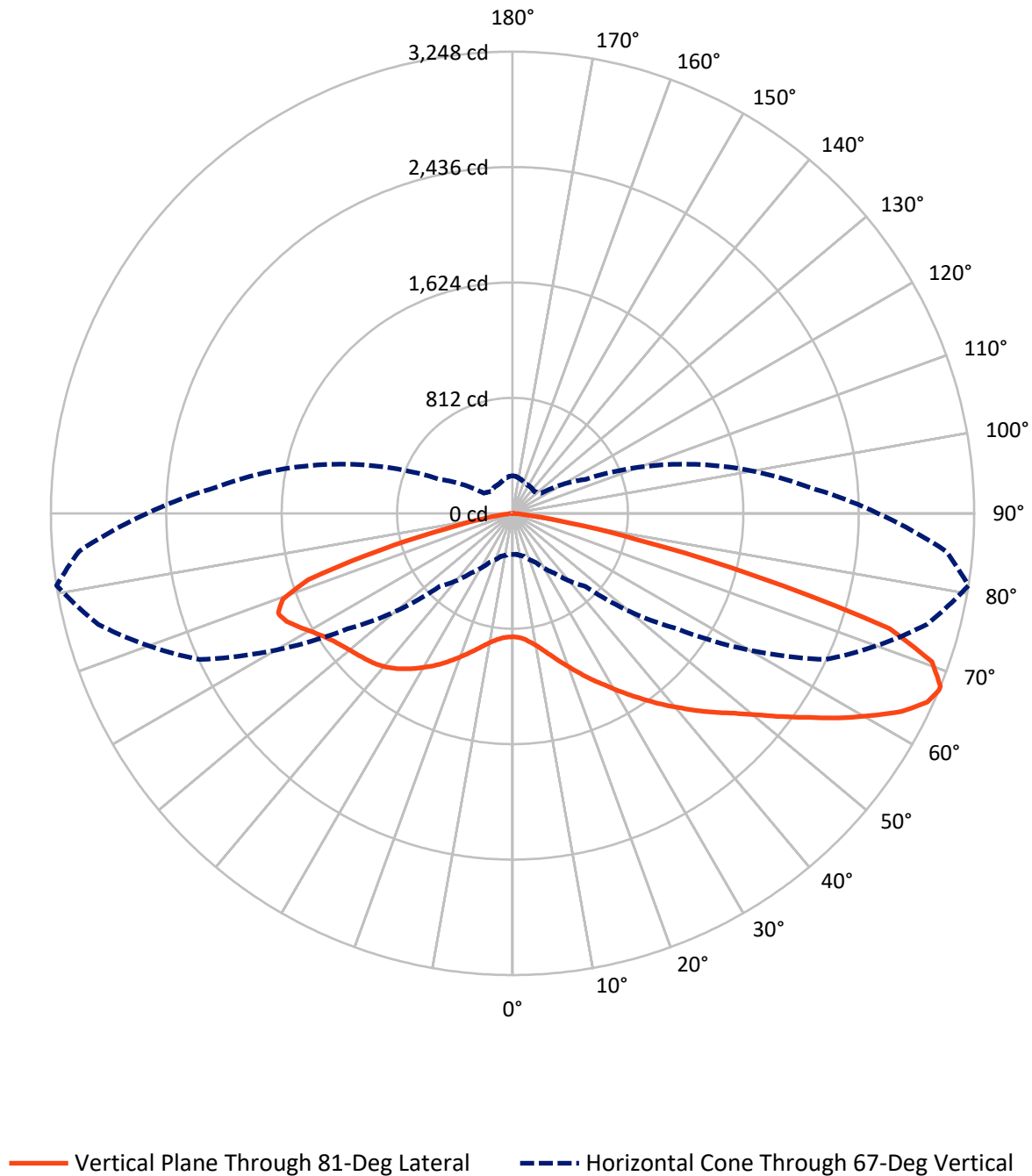
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211748
CATALOG NUMBER: GKO-PB1F-840-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211748

CATALOG NUMBER: GKO-PB1F-840-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1925.1	0.0	1925.1
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	4309.1	0.0	4309.1
	% Fixture	69.1	0.0	69.1
Total	Lumens	6234.2	0.0	6234.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.4
10°-20°	325.6	5.2
20°-30°	659.6	10.6
30°-40°	1040.1	16.7
40°-50°	1277.3	20.5
50°-60°	1220.2	19.6
60°-70°	1023.3	16.4
70°-80°	542.1	8.7
80°-90°	56.0	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°	6234.2	100.0
0°-180°	6234.2	100.0

Coefficient of Utilization



REPORT NUMBER: P1211748

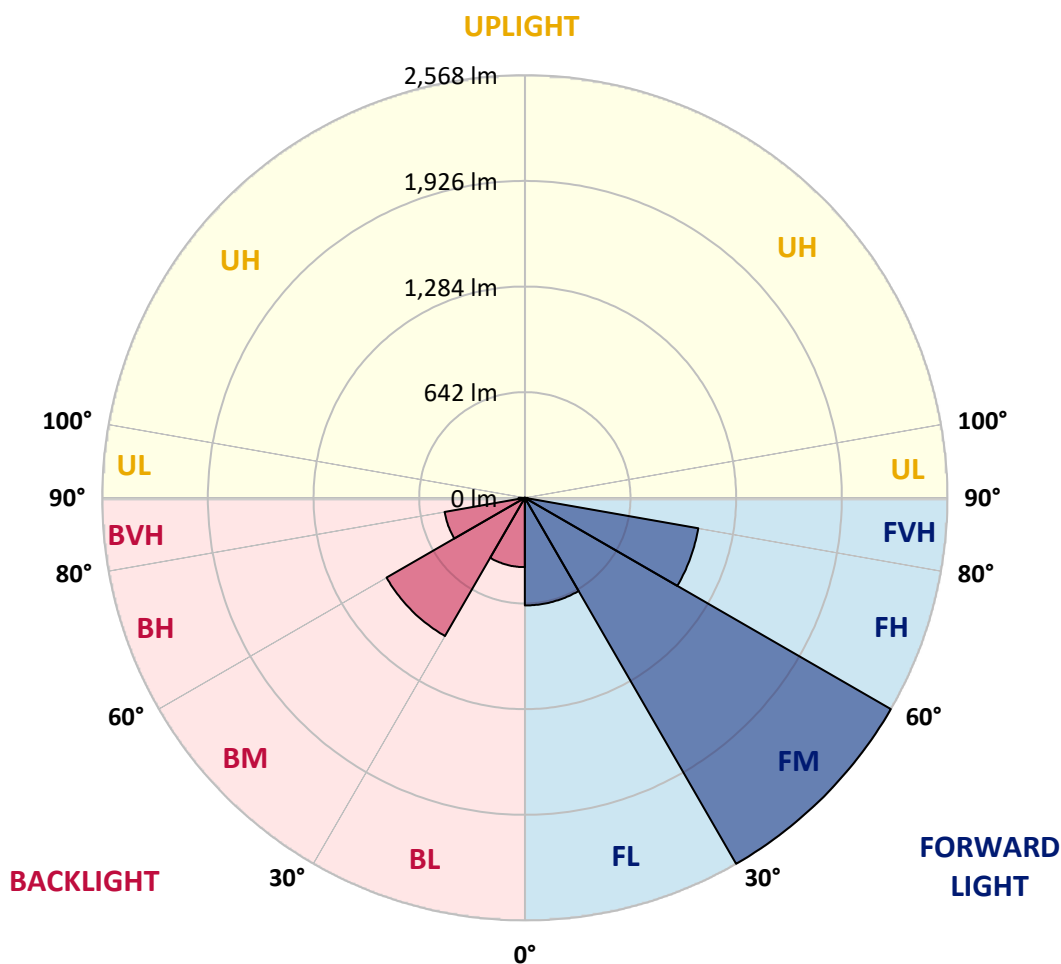
CATALOG NUMBER: GKO-PB1F-840-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.9	10.5			
FM	(30°-60°)	2567.6	41.2			
FH	(60°-80°)	1070.2	17.2			G1/1800
FVH	(80°-90°)	17.4	0.3			G1/100
BL	(0°-30°)	421.3	6.8	B1/500		
BM	(30°-60°)	970.0	15.6	B1/1000		
BH	(60°-80°)	495.2	7.9	B1/500		G1/500
BVH	(80°-90°)	38.6	0.6			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: P1211748

CATALOG NUMBER: GKO-PB1F-840-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4
2.5°	918.5	920.9	916.1	914.9	910.2	903.0	894.7	888.7	879.1	874.4	872.0
5°	1005.6	1000.8	997.2	991.3	974.6	960.3	936.4	919.7	901.8	889.9	886.3
7.5°	1111.8	1114.1	1102.2	1086.7	1062.8	1034.2	996.0	965.0	931.6	916.1	909.0
10°	1227.5	1237.0	1225.1	1206.0	1160.7	1117.7	1071.2	1017.5	972.2	948.3	938.8
12.5°	1368.2	1374.2	1358.7	1333.6	1278.8	1214.3	1148.7	1081.9	1022.3	992.5	975.8
15°	1525.7	1520.9	1505.4	1468.4	1398.0	1326.5	1237.0	1149.9	1079.5	1042.6	1018.7
17.5°	1687.9	1681.9	1661.7	1614.0	1534.0	1444.6	1338.4	1228.7	1140.4	1099.8	1067.6
20°	1843.0	1837.0	1822.7	1769.0	1672.4	1562.7	1438.6	1319.3	1209.6	1159.5	1123.7
22.5°	2014.8	2010.0	1987.3	1921.7	1817.9	1697.5	1553.1	1411.2	1284.7	1225.1	1182.1
25°	2200.8	2202.0	2177.0	2085.1	1968.2	1827.5	1676.0	1514.9	1369.4	1294.3	1245.4
27.5°	2418.0	2416.8	2373.8	2274.8	2128.1	1965.9	1797.7	1623.5	1452.9	1364.6	1308.6
30°	2614.8	2610.0	2562.3	2463.3	2293.9	2111.4	1926.5	1728.5	1547.2	1442.2	1374.2
32.5°	2760.3	2761.5	2722.1	2613.6	2447.8	2253.3	2047.0	1846.6	1637.8	1525.7	1450.5
35°	2865.3	2866.5	2828.3	2735.3	2580.2	2385.7	2174.6	1957.5	1739.2	1611.6	1530.5
37.5°	2898.7	2898.7	2873.6	2800.9	2674.4	2505.0	2299.9	2083.9	1840.6	1704.6	1611.6
40°	2853.4	2856.9	2855.7	2808.0	2720.9	2587.3	2415.6	2205.6	1953.9	1796.5	1693.9
42.5°	2750.8	2753.1	2756.7	2738.8	2711.4	2631.5	2508.6	2329.7	2067.2	1896.7	1775.0
45°	2581.4	2590.9	2608.8	2616.0	2626.7	2620.7	2565.9	2445.4	2193.7	1996.9	1854.9
47.5°	2366.7	2382.2	2406.0	2449.0	2508.6	2556.3	2580.2	2534.9	2316.6	2100.6	1944.4
50°	2068.4	2085.1	2149.6	2239.0	2357.1	2450.2	2540.8	2601.7	2453.7	2227.1	2044.6
52.5°	1655.7	1691.5	1800.0	1971.8	2174.6	2313.0	2457.3	2633.9	2593.3	2376.2	2163.9
55°	1259.7	1272.8	1412.4	1618.7	1931.3	2165.1	2342.8	2617.2	2724.5	2532.5	2299.9
57.5°	880.3	894.7	1016.3	1241.8	1587.7	1971.8	2228.3	2561.1	2843.8	2716.2	2456.1
60°	625.1	640.6	731.2	898.2	1233.4	1690.3	2122.1	2489.5	2947.6	2890.3	2636.2
62.5°	454.5	462.8	510.5	651.3	891.1	1321.7	1970.6	2443.0	3020.4	3071.6	2821.1
65°	348.3	356.7	384.1	472.4	658.5	966.2	1698.7	2441.8	3039.4	3205.2	2981.0
67°	289.9	288.7	312.5	379.3	514.1	726.5	1418.3	2432.3	3018.0	3248.2	3062.1
67.5°	274.4	279.1	298.2	354.3	485.5	669.2	1357.5	2416.8	3010.8	3247.0	3068.1
70°	218.3	219.5	236.2	280.3	365.0	485.5	977.0	2264.1	2902.3	3130.1	3001.3
72.5°	159.8	158.7	183.7	212.3	279.1	353.1	654.9	1901.4	2667.3	2773.4	2668.5
75°	118.1	116.9	130.0	162.2	199.2	263.6	424.7	1240.6	1806.0	1764.3	1629.5
77.5°	78.7	81.1	93.0	119.3	142.0	163.4	212.3	571.4	994.9	899.4	866.0
80°	47.7	44.1	52.5	68.0	82.3	83.5	90.7	246.9	427.0	406.8	381.7
82.5°	16.7	16.7	20.3	27.4	27.4	27.4	33.4	59.6	84.7	77.5	74.0
85°	0.0	0.0	0.0	0.0	2.4	3.6	2.4	4.8	8.4	9.5	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	3.6	4.8	4.8
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: P1211748

CATALOG NUMBER: GKO-PB1F-840-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4	868.4
2.5°	872.0	872.0	868.4	863.6	861.3	860.1	856.5	851.7	855.3	858.9	858.9
5°	883.9	881.5	874.4	869.6	866.0	866.0	861.3	860.1	863.6	867.2	866.0
7.5°	903.0	898.2	889.9	882.7	883.9	885.1	878.0	878.0	881.5	885.1	885.1
10°	929.2	920.9	912.5	906.6	907.8	909.0	901.8	899.4	903.0	906.6	909.0
12.5°	962.6	951.9	942.4	936.4	935.2	936.4	929.2	926.9	926.9	929.2	929.2
15°	1002.0	990.1	978.2	969.8	967.4	966.2	956.7	948.3	948.3	949.5	949.5
17.5°	1047.3	1030.6	1015.1	1005.6	999.6	991.3	980.5	968.6	965.0	966.2	966.2
20°	1092.7	1074.8	1054.5	1041.4	1029.4	1015.1	998.4	982.9	975.8	975.8	974.6
22.5°	1145.2	1121.3	1093.9	1076.0	1054.5	1030.6	1006.8	986.5	979.3	977.0	977.0
25°	1198.8	1171.4	1132.0	1104.6	1073.6	1039.0	1008.0	980.5	968.6	963.8	963.8
27.5°	1253.7	1221.5	1170.2	1130.8	1085.5	1037.8	996.0	961.5	944.8	938.8	936.4
30°	1315.7	1269.2	1203.6	1149.9	1087.9	1027.1	973.4	932.8	907.8	893.5	894.7
32.5°	1380.2	1321.7	1234.6	1161.9	1084.3	1006.8	938.8	887.5	855.3	842.2	837.4
35°	1445.8	1371.8	1262.1	1167.8	1072.4	975.8	894.7	837.4	801.6	782.5	782.5
37.5°	1512.6	1424.3	1281.1	1166.6	1050.9	935.2	843.4	782.5	740.8	716.9	711.0
40°	1578.2	1473.2	1295.5	1157.1	1018.7	886.3	788.5	722.9	666.8	635.8	631.0
42.5°	1642.6	1513.8	1302.6	1141.6	980.5	832.6	726.5	638.2	584.5	555.9	554.7
45°	1701.0	1546.0	1303.8	1121.3	930.4	771.8	643.0	558.3	504.6	474.8	474.8
47.5°	1758.3	1581.7	1302.6	1095.1	875.6	693.1	554.7	472.4	423.5	404.4	398.4
50°	1827.5	1617.5	1301.4	1062.8	805.2	598.8	468.8	398.4	356.7	337.6	337.6
52.5°	1897.9	1659.3	1303.8	1017.5	721.7	507.0	392.5	330.4	303.0	291.1	289.9
55°	1988.5	1703.4	1309.8	963.8	634.6	417.5	326.8	285.1	266.0	260.0	261.2
57.5°	2098.3	1764.3	1321.7	900.6	533.2	342.4	280.3	257.7	252.9	255.3	256.5
60°	2223.5	1839.4	1338.4	829.0	443.7	285.1	252.9	248.1	252.9	262.4	263.6
62.5°	2369.0	1930.1	1359.9	749.1	355.5	250.5	241.0	244.5	248.1	263.6	264.8
65°	2497.9	2027.9	1364.6	654.9	288.7	227.8	233.8	236.2	245.7	263.6	264.8
67°	2570.6	2094.7	1332.4	565.4	246.9	215.9	224.3	226.6	243.3	261.2	263.6
67.5°	2579.0	2109.0	1311.0	542.8	238.6	213.5	221.9	226.6	243.3	261.2	262.4
70°	2553.9	2099.5	1167.8	409.2	196.8	196.8	206.4	217.1	233.8	252.9	261.2
72.5°	2330.9	1914.6	904.2	277.9	167.0	177.7	192.1	207.6	223.1	245.7	260.0
75°	1473.2	1232.2	553.5	186.1	139.6	158.7	181.3	199.2	212.3	229.0	238.6
77.5°	787.3	609.6	238.6	109.7	109.7	140.8	168.2	184.9	192.1	198.0	204.0
80°	372.2	283.9	115.7	65.6	76.3	109.7	149.1	167.0	169.4	176.5	178.9
82.5°	74.0	64.4	38.2	34.6	50.1	78.7	124.1	144.3	145.5	157.5	159.8
85°	9.5	8.4	6.0	13.1	32.2	58.5	95.4	124.1	126.4	126.4	124.1
87.5°	4.8	3.6	3.6	9.5	23.9	44.1	78.7	103.8	105.0	82.3	79.9
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)