

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: P1211742

Luminaire Tested: **GKO-PB1F-840-U-T3**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211742
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-T3
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

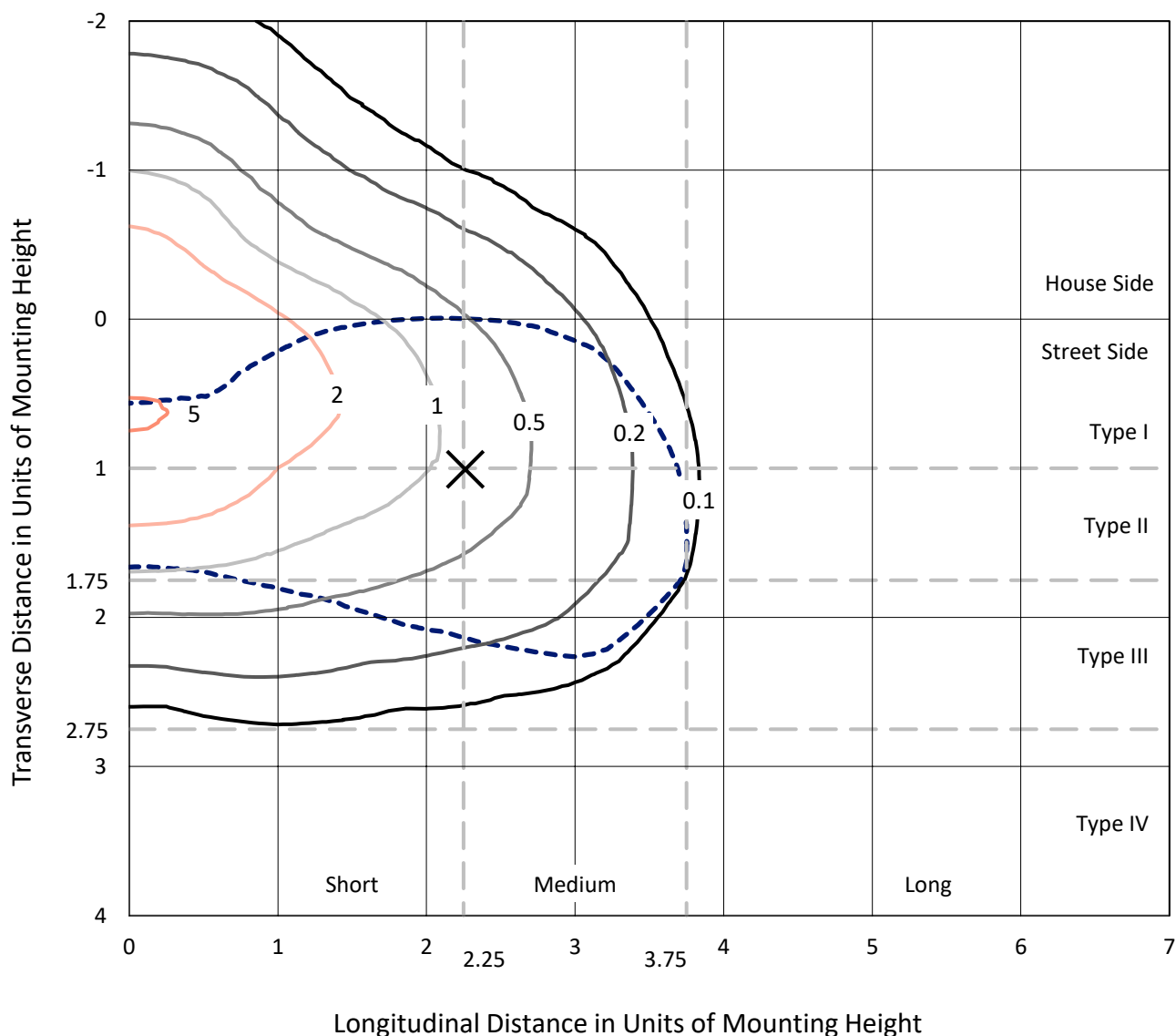
Lumens per Lamp: N/A
Luminaire Lumens: 6145 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

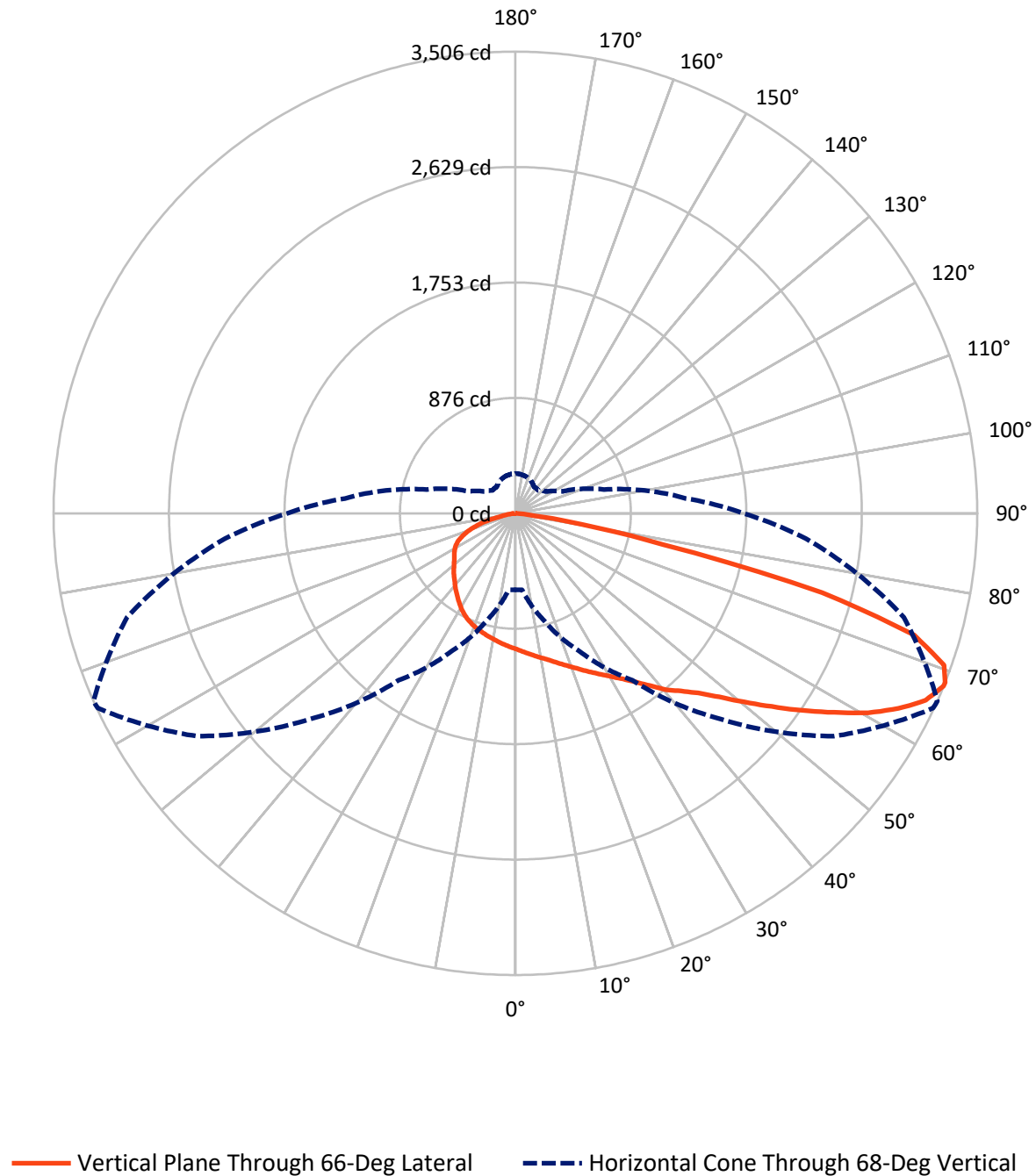
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1573.2	0.0	1573.2
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4571.8	0.0	4571.8
	% Fixture	74.4	0.0	74.4
Total	Lumens	6145.0	0.0	6145.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.6
10°-20°	297.2	4.8
20°-30°	512.1	8.3
30°-40°	794.4	12.9
40°-50°	1088.3	17.7
50°-60°	1298.3	21.1
60°-70°	1300.9	21.2
70°-80°	688.4	11.2
80°-90°	66.4	1.1
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°	6145.0	100.0
0°-180°	6145.0	100.0



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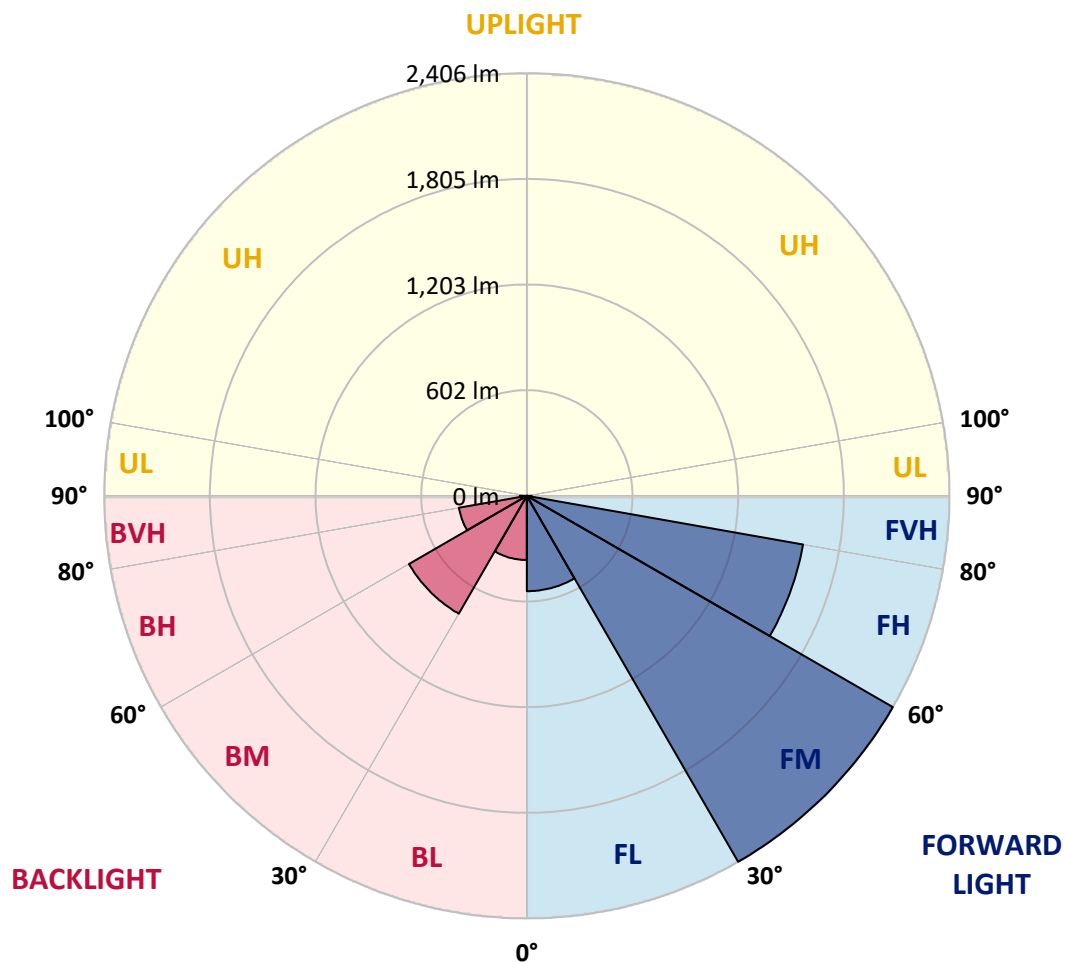
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	542.8	8.8			
FM	(30°-60°)	2406.1	39.2			
FH	(60°-80°)	1596.8	26.0			G1/1800
FVH	(80°-90°)	26.1	0.4			G1/100
BL	(0°-30°)	365.4	5.9	B1/500		
BM	(30°-60°)	775.0	12.6	B1/1000		
BH	(60°-80°)	392.5	6.4	B1/500		G1/500
BVH	(80°-90°)	40.3	0.7			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7
2.5°	1073.6	1073.6	1071.2	1070.0	1068.8	1061.7	1056.9	1050.9	1050.9	1041.4	1033.0
5°	1110.6	1111.8	1107.0	1107.0	1102.2	1092.7	1083.1	1071.2	1071.2	1056.9	1040.2
7.5°	1142.8	1146.4	1141.6	1141.6	1136.8	1126.1	1110.6	1093.9	1093.9	1073.6	1049.7
10°	1173.8	1176.2	1173.8	1176.2	1169.0	1159.5	1141.6	1118.9	1117.7	1092.7	1059.3
12.5°	1198.9	1201.2	1202.4	1206.0	1200.0	1192.9	1176.2	1147.6	1144.0	1114.2	1071.2
15°	1222.7	1225.1	1228.7	1233.4	1232.3	1226.3	1210.8	1178.6	1176.2	1138.0	1086.7
17.5°	1241.8	1243.0	1250.1	1259.7	1262.1	1263.3	1246.6	1213.2	1210.8	1165.4	1103.4
20°	1269.2	1271.6	1278.8	1288.3	1295.5	1300.2	1287.1	1250.1	1247.8	1197.7	1124.9
22.5°	1331.3	1327.7	1331.3	1331.3	1334.8	1342.0	1332.5	1295.5	1290.7	1235.8	1151.1
25°	1448.2	1444.6	1435.0	1413.6	1389.7	1388.5	1377.8	1342.0	1336.0	1275.2	1176.2
27.5°	1611.6	1603.2	1585.3	1540.0	1482.8	1445.8	1429.1	1392.1	1384.9	1314.6	1200.0
30°	1784.6	1794.1	1764.3	1702.2	1597.3	1518.5	1486.3	1444.6	1438.6	1358.7	1228.7
32.5°	1986.2	1987.3	1957.5	1871.6	1735.6	1610.4	1555.5	1504.2	1499.5	1410.0	1266.8
35°	2103.1	2107.8	2094.7	2014.8	1859.7	1711.8	1639.0	1577.0	1573.4	1474.4	1314.6
37.5°	2224.7	2235.5	2215.2	2126.9	1953.9	1806.0	1732.1	1664.1	1660.5	1548.4	1374.2
40°	2404.9	2400.1	2378.6	2248.6	2042.2	1884.8	1823.9	1770.2	1761.9	1639.0	1435.0
42.5°	2534.9	2546.8	2500.3	2353.6	2138.8	1963.5	1915.8	1854.9	1844.2	1693.9	1470.8
45°	2579.0	2568.3	2517.0	2409.6	2265.3	2035.1	2002.9	1956.3	1945.6	1790.5	1541.2
47.5°	2588.6	2569.5	2524.1	2443.0	2372.6	2128.1	2109.0	2098.3	2082.8	1912.2	1625.9
50°	2530.1	2517.0	2495.5	2455.0	2441.8	2215.2	2224.7	2264.1	2251.0	2043.4	1720.1
52.5°	2397.7	2391.7	2410.8	2437.1	2402.5	2290.3	2361.9	2441.8	2437.1	2187.8	1821.5
55°	2148.4	2148.4	2255.7	2347.6	2367.9	2339.2	2509.8	2647.0	2641.0	2350.0	1918.2
57.5°	1920.5	1924.1	2013.6	2220.0	2305.8	2391.7	2674.4	2861.7	2852.2	2532.5	2019.6
60°	1633.1	1633.1	1769.0	2027.9	2216.4	2432.3	2820.0	3069.3	3075.3	2709.0	2119.8
62.5°	1293.1	1296.7	1485.1	1789.3	2087.5	2439.5	2935.7	3264.9	3263.7	2868.9	2197.3
65°	953.1	954.3	1210.8	1524.5	1894.3	2389.3	2998.9	3415.2	3422.4	2995.3	2242.6
67.5°	619.1	631.0	891.1	1237.0	1621.1	2247.4	2965.5	3495.2	3503.5	3053.8	2228.3
68°	579.7	582.1	843.4	1158.3	1547.2	2211.6	2950.0	3498.7	3505.9	3052.6	2214.0
70°	375.8	375.8	603.6	904.2	1234.6	1988.5	2815.2	3442.7	3451.0	3000.1	2110.2
72.5°	202.8	206.4	344.7	547.5	843.4	1538.8	2540.8	3150.4	3164.7	2712.6	1845.4
75°	142.0	144.3	200.4	306.6	459.3	1002.0	1986.2	2407.2	2404.9	1874.0	1155.9
77.5°	102.6	102.6	114.5	190.9	241.0	458.1	982.9	1159.5	1146.4	914.9	583.3
80°	66.8	66.8	71.6	100.2	115.7	139.6	300.6	502.2	511.7	446.1	291.1
82.5°	27.4	28.6	31.0	40.6	41.8	58.5	85.9	144.3	139.6	113.3	82.3
85°	3.6	3.6	4.8	6.0	7.2	13.1	11.9	11.9	11.9	14.3	13.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	3.6	4.8	3.6
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°	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7	1030.7
2.5°	1030.7	1030.7	1023.5	1016.3	1009.2	1003.2	994.9	988.9	990.1	993.7	992.5
5°	1036.6	1030.7	1016.3	1000.8	988.9	978.2	962.7	954.3	953.1	955.5	954.3
7.5°	1040.2	1030.7	1009.2	985.3	966.2	951.9	930.5	922.1	918.5	919.7	919.7
10°	1047.4	1031.8	1002.0	968.6	944.8	924.5	901.8	889.9	886.3	886.3	885.1
12.5°	1055.7	1034.2	994.9	954.3	923.3	899.4	873.2	860.1	856.5	856.5	855.3
15°	1064.1	1037.8	987.7	938.8	903.0	874.4	849.3	833.8	829.1	829.1	831.4
17.5°	1074.8	1041.4	980.6	924.5	881.5	849.3	823.1	807.6	801.6	805.2	807.6
20°	1085.5	1048.5	973.4	909.0	860.1	826.7	800.4	784.9	779.0	784.9	786.1
22.5°	1101.0	1054.5	965.0	891.1	838.6	801.6	777.8	763.4	759.9	765.8	770.6
25°	1116.5	1061.7	954.3	872.0	811.2	775.4	756.3	745.6	746.7	755.1	759.9
27.5°	1133.2	1067.6	943.6	848.1	781.3	747.9	733.6	731.2	736.0	745.6	751.5
30°	1153.5	1076.0	929.3	820.7	747.9	718.1	712.2	719.3	727.7	737.2	743.2
32.5°	1179.8	1086.7	914.9	789.7	713.3	685.9	695.5	711.0	720.5	730.0	736.0
35°	1216.7	1108.2	906.6	758.7	676.4	658.5	679.9	705.0	712.2	718.1	725.3
37.5°	1259.7	1136.8	903.0	730.0	643.0	634.6	664.4	694.3	696.6	699.0	706.2
40°	1301.4	1158.3	893.5	699.0	608.4	608.4	645.4	674.0	672.8	669.2	674.0
42.5°	1318.1	1155.9	866.0	669.2	580.9	582.1	615.5	643.0	635.8	635.8	643.0
45°	1365.9	1175.0	845.8	645.4	555.9	551.1	577.4	598.8	610.8	626.3	633.4
47.5°	1426.7	1201.2	830.2	617.9	532.0	516.5	530.8	566.6	586.9	603.6	609.6
50°	1489.9	1231.1	815.9	589.3	508.2	477.2	484.3	523.7	541.6	549.9	553.5
52.5°	1554.3	1258.5	805.2	565.4	480.7	430.6	446.1	483.1	496.2	501.0	503.4
55°	1611.6	1281.2	795.7	545.1	449.7	393.7	405.6	443.8	453.3	458.1	461.6
57.5°	1672.4	1306.2	789.7	526.1	415.1	361.4	369.8	404.4	417.5	422.3	425.9
60°	1726.1	1330.1	784.9	505.8	382.9	332.8	337.6	371.0	385.3	387.7	391.3
62.5°	1761.9	1345.6	777.8	480.7	353.1	305.4	306.6	338.8	354.3	356.7	359.1
65°	1771.4	1342.0	756.3	447.3	323.3	277.9	277.9	309.0	325.7	334.0	337.6
67.5°	1742.8	1312.2	711.0	404.4	294.6	252.9	252.9	280.3	298.2	307.8	311.3
68°	1733.3	1299.1	696.6	393.7	287.5	246.9	246.9	275.6	292.3	300.6	303.0
70°	1652.1	1234.6	631.0	353.1	264.8	229.0	229.0	254.1	272.0	272.0	270.8
72.5°	1435.0	1070.0	518.9	295.8	231.4	202.8	206.4	230.2	236.2	242.2	241.0
75°	888.7	640.6	348.3	233.8	194.4	177.7	184.9	206.4	209.9	223.1	219.5
77.5°	444.9	313.7	184.9	136.0	150.3	152.7	165.8	181.3	192.1	206.4	196.8
80°	219.5	152.7	108.6	84.7	88.3	112.1	144.3	156.3	175.4	184.9	176.5
82.5°	60.8	46.5	44.1	46.5	65.6	87.1	113.3	138.4	163.4	171.8	159.8
85°	10.7	8.4	7.2	22.7	45.3	64.4	91.9	122.9	146.7	140.8	132.4
87.5°	3.6	2.4	2.4	14.3	33.4	52.5	78.7	109.7	125.3	113.3	101.4
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)