

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: P1211839

Luminaire Tested: **GKO-PB2C-827-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211839
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-827-U-T3
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

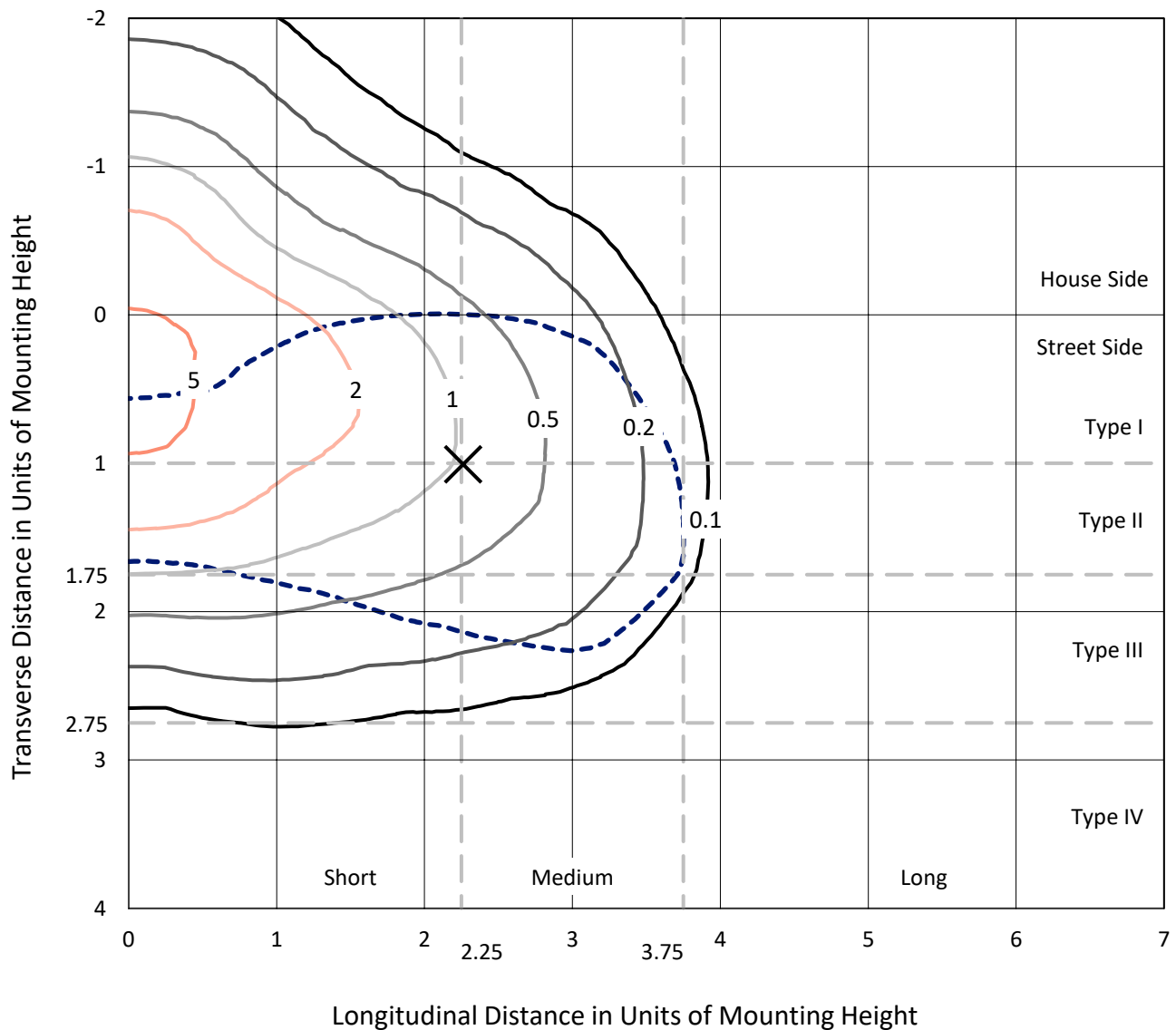
Lumens per Lamp: N/A
Luminaire Lumens: 7023.7 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 58.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 5%
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

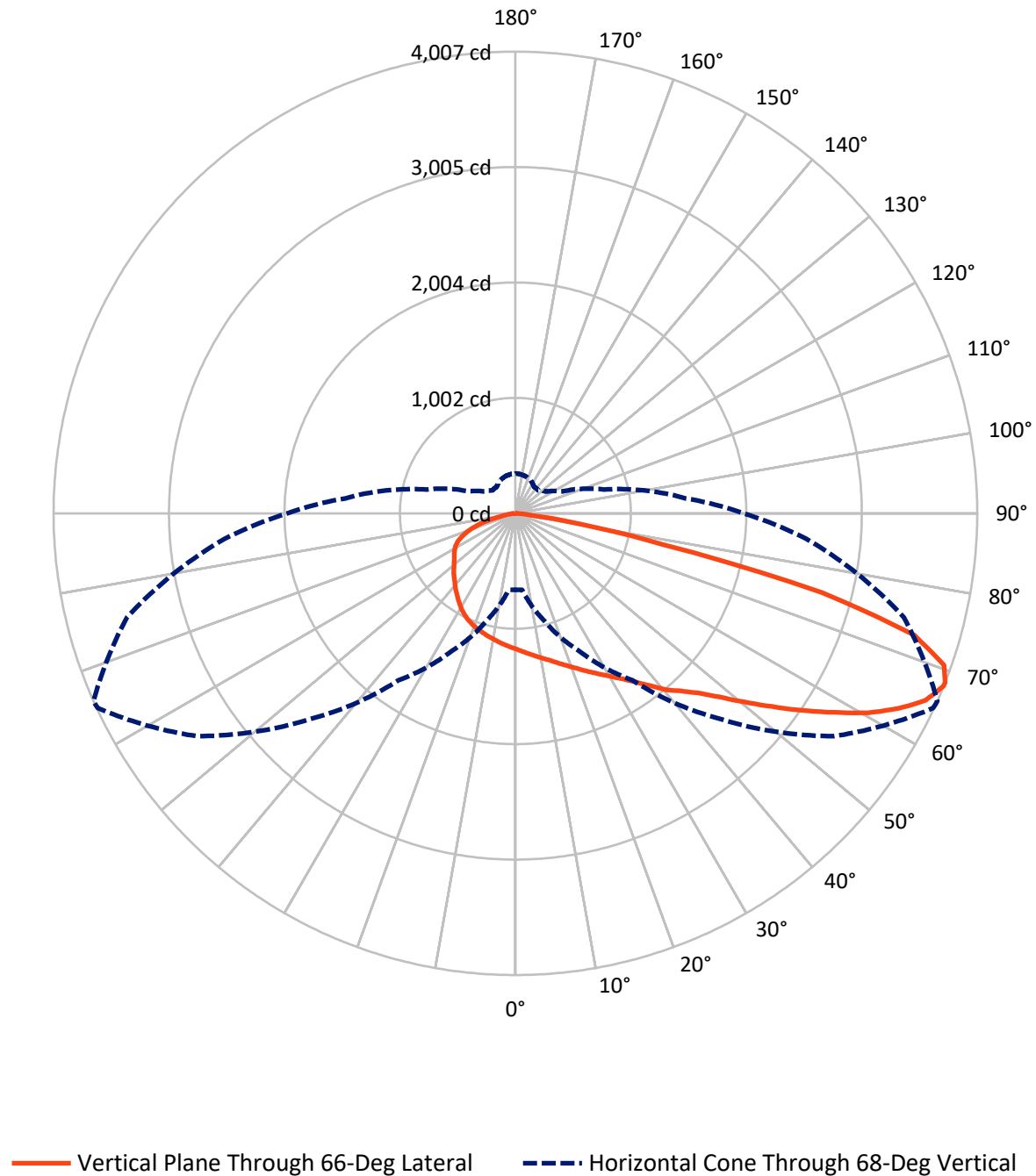
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 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	1798.2	0.0	1798.2
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	5225.5	0.0	5225.5
	% Fixture	74.4	0.0	74.4
Total	Lumens	7023.7	0.0	7023.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.6
10°-20°	339.7	4.8
20°-30°	585.4	8.3
30°-40°	908.0	12.9
40°-50°	1244.0	17.7
50°-60°	1483.9	21.1
60°-70°	1486.9	21.2
70°-80°	786.9	11.2
80°-90°	75.9	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°	7023.7	100.0
0°-180°	7023.7	100.0



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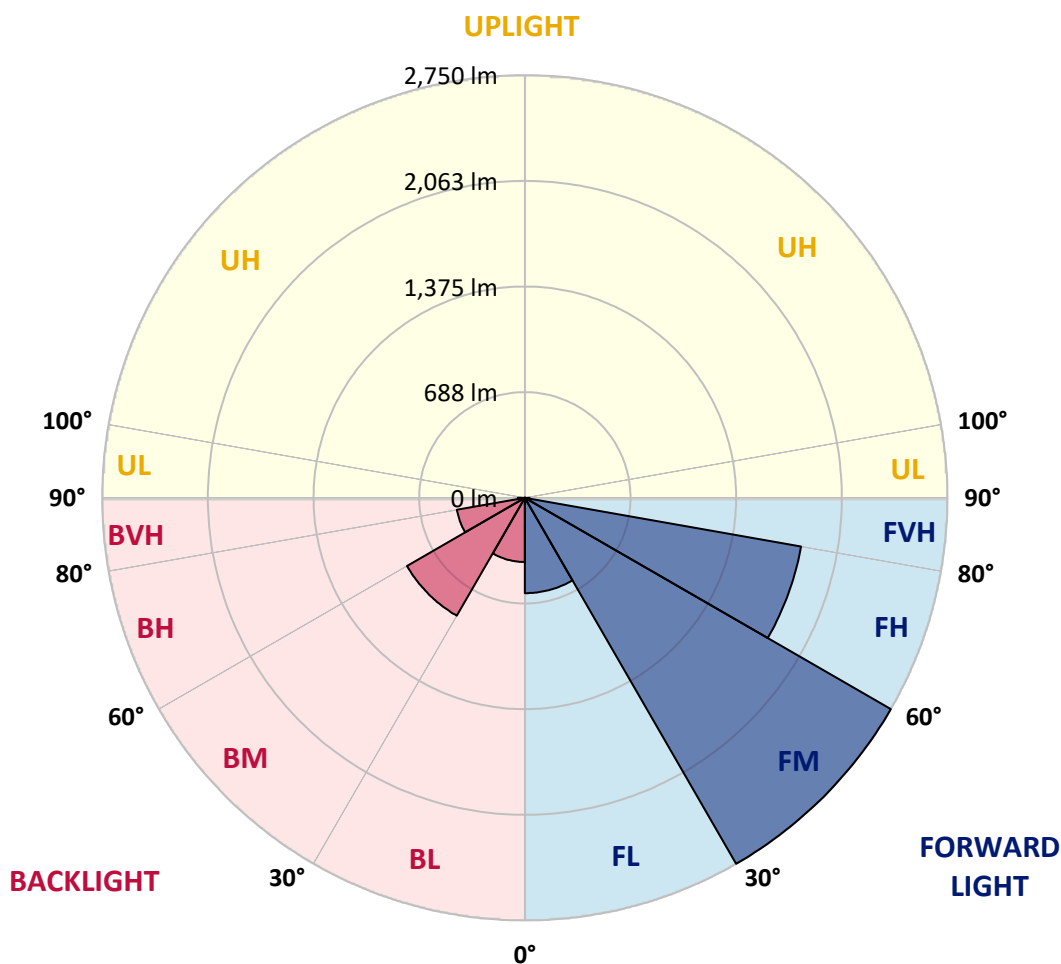
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	620.4	8.8			
FM	(30°-60°)	2750.1	39.2			
FH	(60°-80°)	1825.2	26.0			G2/5000
FVH	(80°-90°)	29.8	0.4			G1/100
BL	(0°-30°)	417.7	5.9	B1/500		
BM	(30°-60°)	885.8	12.6	B1/1000		
BH	(60°-80°)	448.6	6.4	B1/500		G1/500
BVH	(80°-90°)	46.1	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0
2.5°	1227.1	1227.1	1224.4	1223.0	1221.7	1213.5	1208.0	1201.2	1201.2	1190.3	1180.8
5°	1269.4	1270.7	1265.3	1265.3	1259.8	1248.9	1238.0	1224.4	1224.4	1208.0	1188.9
7.5°	1306.2	1310.3	1304.8	1304.8	1299.4	1287.1	1269.4	1250.3	1250.3	1227.1	1199.8
10°	1341.6	1344.4	1341.6	1344.4	1336.2	1325.3	1304.8	1278.9	1277.6	1248.9	1210.7
12.5°	1370.3	1373.0	1374.4	1378.5	1371.6	1363.5	1344.4	1311.6	1307.6	1273.5	1224.4
15°	1397.5	1400.3	1404.4	1409.8	1408.4	1401.6	1383.9	1347.1	1344.4	1300.7	1242.1
17.5°	1419.4	1420.7	1428.9	1439.8	1442.5	1443.9	1424.8	1386.6	1383.9	1332.1	1261.2
20°	1450.7	1453.4	1461.6	1472.5	1480.7	1486.2	1471.2	1428.9	1426.2	1368.9	1285.7
22.5°	1521.6	1517.5	1521.6	1521.6	1525.7	1533.9	1523.0	1480.7	1475.3	1412.5	1315.7
25°	1655.2	1651.1	1640.2	1615.7	1588.4	1587.1	1574.8	1533.9	1527.1	1457.5	1344.4
27.5°	1842.0	1832.5	1812.0	1760.2	1694.8	1652.5	1633.4	1591.2	1583.0	1502.5	1371.6
30°	2039.7	2050.6	2016.5	1945.6	1825.7	1735.7	1698.9	1651.1	1644.3	1553.0	1404.4
32.5°	2270.2	2271.5	2237.4	2139.3	1983.8	1840.7	1777.9	1719.3	1713.9	1611.6	1448.0
35°	2403.8	2409.2	2394.2	2302.9	2125.6	1956.6	1873.4	1802.5	1798.4	1685.2	1502.5
37.5°	2542.8	2555.1	2531.9	2431.0	2233.3	2064.3	1979.7	1902.0	1897.9	1769.8	1570.7
40°	2748.7	2743.3	2718.7	2570.1	2334.2	2154.3	2084.7	2023.4	2013.8	1873.4	1640.2
42.5°	2897.3	2911.0	2857.8	2690.1	2444.7	2244.2	2189.7	2120.2	2107.9	1936.1	1681.1
45°	2947.8	2935.5	2876.9	2754.2	2589.2	2326.1	2289.2	2236.1	2223.8	2046.5	1761.6
47.5°	2958.7	2936.9	2885.1	2792.4	2711.9	2432.4	2410.6	2398.3	2380.6	2185.6	1858.4
50°	2891.9	2876.9	2852.3	2806.0	2791.0	2531.9	2542.8	2587.8	2572.8	2335.6	1966.1
52.5°	2740.5	2733.7	2755.5	2785.5	2746.0	2617.8	2699.6	2791.0	2785.5	2500.6	2082.0
55°	2455.6	2455.6	2578.3	2683.3	2706.5	2673.7	2868.7	3025.5	3018.7	2686.0	2192.4
57.5°	2195.2	2199.3	2301.5	2537.4	2635.6	2733.7	3056.9	3270.9	3260.0	2894.6	2308.3
60°	1866.6	1866.6	2022.0	2317.9	2533.3	2780.1	3223.2	3508.2	3515.0	3096.4	2422.9
62.5°	1478.0	1482.1	1697.5	2045.2	2386.0	2788.3	3355.5	3731.8	3730.4	3279.1	2511.5
65°	1089.4	1090.8	1383.9	1742.5	2165.2	2731.0	3427.7	3903.6	3911.8	3423.6	2563.3
67.5°	707.6	721.3	1018.5	1413.9	1852.9	2568.7	3389.5	3994.9	4004.5	3490.4	2546.9
68°	662.6	665.4	964.0	1323.9	1768.4	2527.8	3371.8	3999.0	4007.2	3489.1	2530.6
70°	429.5	429.5	689.9	1033.5	1411.2	2272.9	3217.8	3934.9	3944.5	3429.1	2412.0
72.5°	231.8	235.9	394.0	625.8	964.0	1758.9	2904.2	3600.9	3617.2	3100.5	2109.3
75°	162.3	165.0	229.1	350.4	524.9	1145.3	2270.2	2751.5	2748.7	2142.0	1321.2
77.5°	117.3	117.3	130.9	218.2	275.4	523.6	1123.5	1325.3	1310.3	1045.8	666.7
80°	76.4	76.4	81.8	114.5	132.3	159.5	343.6	574.0	584.9	509.9	332.7
82.5°	31.4	32.7	35.4	46.4	47.7	66.8	98.2	165.0	159.5	129.5	94.1
85°	4.1	4.1	5.5	6.8	8.2	15.0	13.6	13.6	13.6	16.4	15.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	2.7	4.1	4.1	5.5	4.1
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°	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0	1178.0
2.5°	1178.0	1178.0	1169.8	1161.7	1153.5	1146.7	1137.1	1130.3	1131.7	1135.8	1134.4
5°	1184.8	1178.0	1161.7	1143.9	1130.3	1118.0	1100.3	1090.8	1089.4	1092.1	1090.8
7.5°	1188.9	1178.0	1153.5	1126.2	1104.4	1088.0	1063.5	1054.0	1049.9	1051.2	1051.2
10°	1197.1	1179.4	1145.3	1107.1	1079.9	1056.7	1030.8	1017.1	1013.0	1013.0	1011.7
12.5°	1206.7	1182.1	1137.1	1090.8	1055.3	1028.0	998.0	983.1	979.0	979.0	977.6
15°	1216.2	1186.2	1128.9	1073.0	1032.1	999.4	970.8	953.1	947.6	947.6	950.3
17.5°	1228.5	1190.3	1120.8	1056.7	1007.6	970.8	940.8	923.1	916.2	920.3	923.1
20°	1240.7	1198.5	1112.6	1039.0	983.1	944.9	914.9	897.2	890.3	897.2	898.5
22.5°	1258.5	1205.3	1103.0	1018.5	958.5	916.2	889.0	872.6	868.5	875.3	880.8
25°	1276.2	1213.5	1090.8	996.7	927.1	886.2	864.4	852.2	853.5	863.1	868.5
27.5°	1295.3	1220.3	1078.5	969.4	893.1	854.9	838.5	835.8	841.3	852.2	859.0
30°	1318.5	1229.8	1062.1	938.1	854.9	820.8	814.0	822.2	831.7	842.6	849.4
32.5°	1348.5	1242.1	1045.8	902.6	815.3	784.0	794.9	812.6	823.5	834.4	841.3
35°	1390.7	1266.6	1036.2	867.2	773.1	752.6	777.2	805.8	814.0	820.8	829.0
37.5°	1439.8	1299.4	1032.1	834.4	734.9	725.4	759.4	793.5	796.3	799.0	807.2
40°	1487.5	1323.9	1021.2	799.0	695.4	695.4	737.6	770.4	769.0	764.9	770.4
42.5°	1506.6	1321.2	989.9	764.9	664.0	665.4	703.5	734.9	726.7	726.7	734.9
45°	1561.2	1343.0	966.7	737.6	635.4	629.9	659.9	684.5	698.1	715.8	724.0
47.5°	1630.7	1373.0	949.0	706.3	608.1	590.4	606.7	647.6	670.8	689.9	696.7
50°	1703.0	1407.1	932.6	673.5	580.8	545.4	553.6	598.6	619.0	628.6	632.6
52.5°	1776.6	1438.4	920.3	646.3	549.5	492.2	509.9	552.2	567.2	572.7	575.4
55°	1842.0	1464.4	909.4	623.1	514.0	449.9	463.6	507.2	518.1	523.6	527.7
57.5°	1911.6	1493.0	902.6	601.3	474.5	413.1	422.7	462.2	477.2	482.7	486.8
60°	1972.9	1520.3	897.2	578.1	437.7	380.4	385.9	424.0	440.4	443.1	447.2
62.5°	2013.8	1538.0	889.0	549.5	403.6	349.0	350.4	387.2	404.9	407.7	410.4
65°	2024.7	1533.9	864.4	511.3	369.5	317.7	317.7	353.1	372.2	381.8	385.9
67.5°	1992.0	1499.8	812.6	462.2	336.8	289.1	289.1	320.4	340.9	351.8	355.9
68°	1981.1	1484.8	796.3	449.9	328.6	282.2	282.2	315.0	334.0	343.6	346.3
70°	1888.4	1411.2	721.3	403.6	302.7	261.8	261.8	290.4	310.9	310.9	309.5
72.5°	1640.2	1223.0	593.1	338.1	264.5	231.8	235.9	263.1	270.0	276.8	275.4
75°	1015.8	732.2	398.1	267.2	222.2	203.2	211.3	235.9	240.0	255.0	250.9
77.5°	508.6	358.6	211.3	155.4	171.8	174.5	189.5	207.2	219.5	235.9	225.0
80°	250.9	174.5	124.1	96.8	100.9	128.2	165.0	178.6	200.4	211.3	201.8
82.5°	69.5	53.2	50.4	53.2	75.0	99.5	129.5	158.2	186.8	196.3	182.7
85°	12.3	9.5	8.2	25.9	51.8	73.6	105.0	140.4	167.7	160.9	151.3
87.5°	4.1	2.7	2.7	16.4	38.2	60.0	90.0	125.4	143.2	129.5	115.9
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)