

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: P1211889

Luminaire Tested: **GKO-PB2C-735-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211889
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-735-U-T2R
Description: GEKKO WALL PACK 8000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8042.7 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 58.2
Input Voltage (V): 120
Input Current (Ain): 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

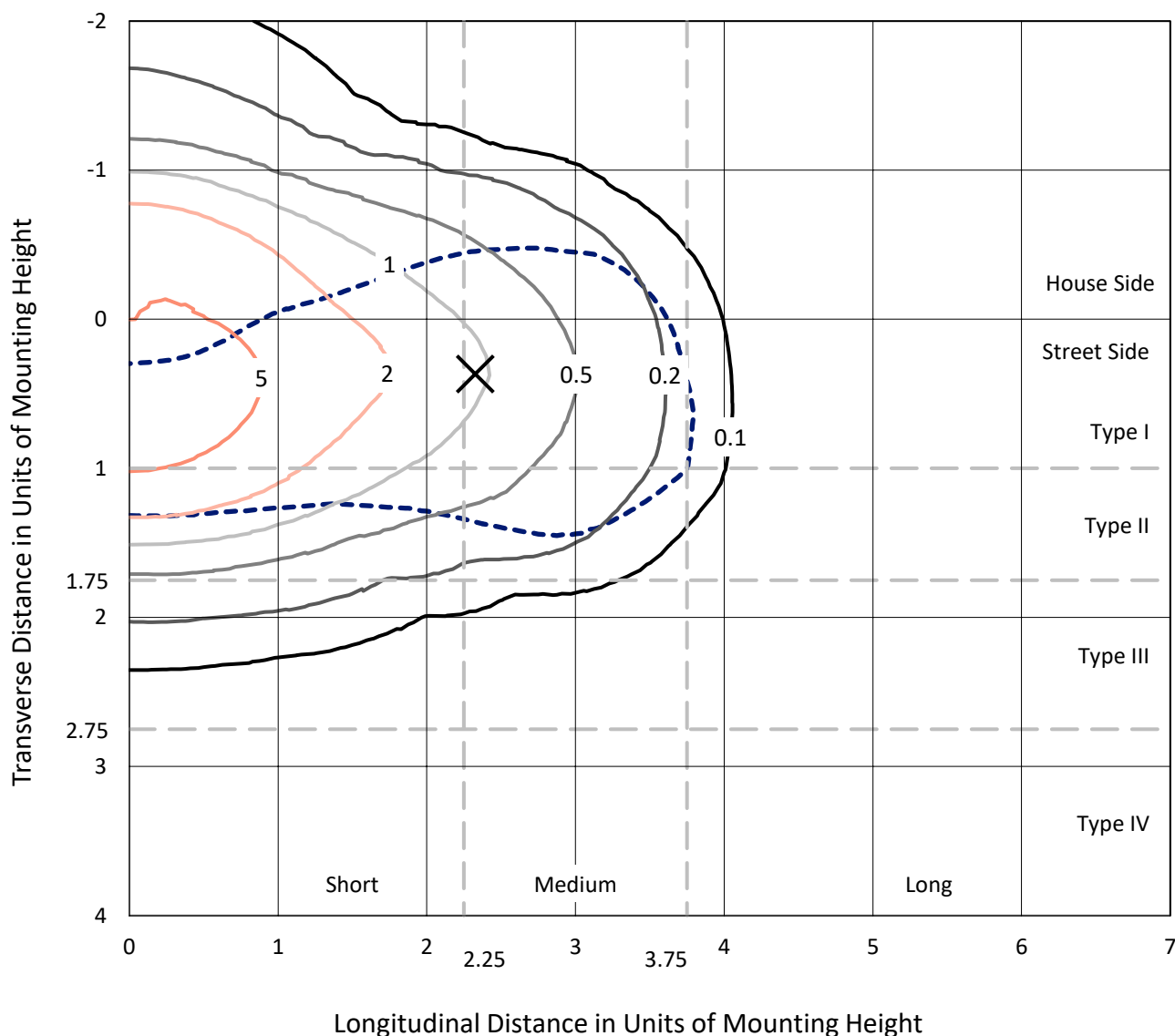
REPORT NUMBER: P1211889

CATALOG NUMBER: GKO-PB2C-735-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

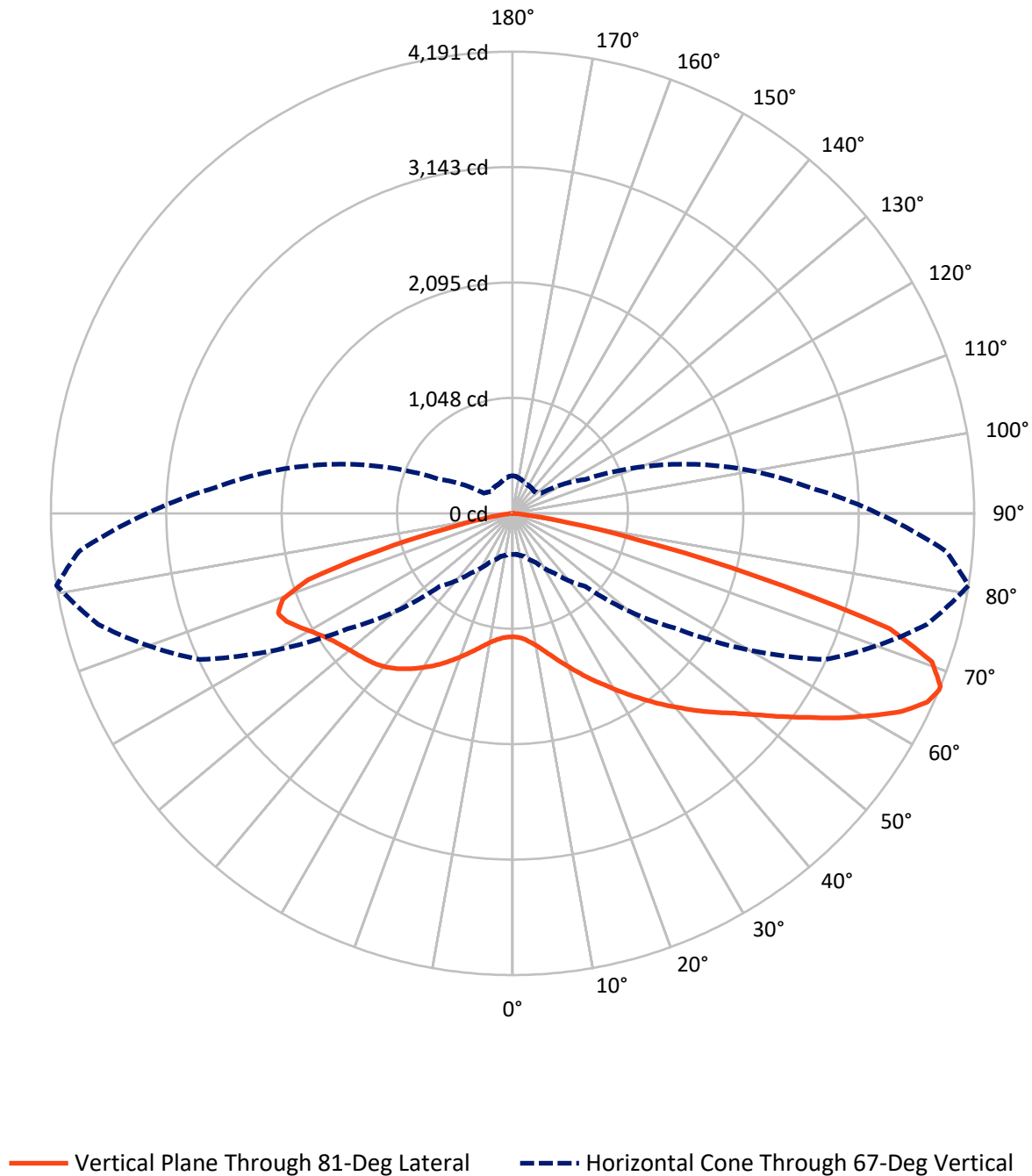
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211889
CATALOG NUMBER: GKO-PB2C-735-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211889

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2483.5	0.0	2483.5
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	5559.1	0.0	5559.1
	% Fixture	69.1	0.0	69.1
Total	Lumens	8042.7	0.0	8042.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	1.4
10°-20°	420.1	5.2
20°-30°	851.0	10.6
30°-40°	1341.8	16.7
40°-50°	1647.9	20.5
50°-60°	1574.2	19.6
60°-70°	1320.2	16.4
70°-80°	699.3	8.7
80°-90°	72.2	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°	8042.7	100.0
0°-180°	8042.7	100.0

Coefficient of Utilization



REPORT NUMBER: P1211889

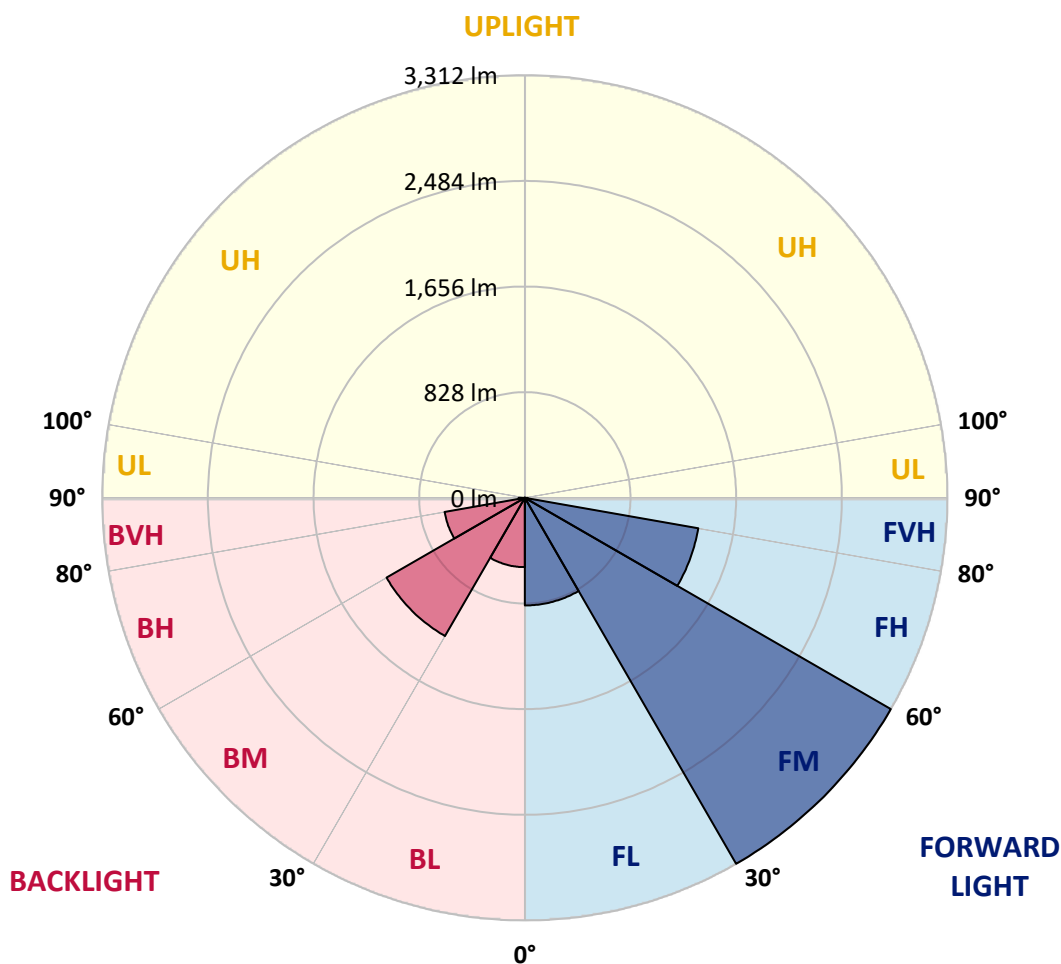
CATALOG NUMBER: GKO-PB2C-735-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	843.6	10.5			
FM	(30°-60°)	3312.5	41.2			
FH	(60°-80°)	1380.6	17.2			G1/1800
FVH	(80°-90°)	22.5	0.3			G1/100
BL	(0°-30°)	543.5	6.8	B2/1000		
BM	(30°-60°)	1251.4	15.6	B2/2500		
BH	(60°-80°)	638.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	49.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



REPORT NUMBER: P1211889

CATALOG NUMBER: GKO-PB2C-735-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3
2.5°	1185.0	1188.0	1181.9	1180.4	1174.2	1165.0	1154.2	1146.5	1134.2	1128.0	1124.9
5°	1297.3	1291.2	1286.5	1278.8	1257.3	1238.8	1208.1	1186.5	1163.4	1148.0	1143.4
7.5°	1434.3	1437.3	1422.0	1402.0	1371.2	1334.2	1285.0	1245.0	1201.9	1181.9	1172.7
10°	1583.5	1595.9	1580.5	1555.8	1497.4	1442.0	1381.9	1312.7	1254.2	1223.4	1211.1
12.5°	1765.1	1772.8	1752.8	1720.5	1649.7	1566.6	1482.0	1395.8	1318.9	1280.4	1258.8
15°	1968.3	1962.1	1942.1	1894.4	1803.6	1711.3	1595.9	1483.5	1392.7	1345.0	1314.2
17.5°	2177.6	2169.9	2143.7	2082.2	1979.0	1863.6	1726.7	1585.1	1471.2	1418.9	1377.3
20°	2377.6	2369.9	2351.5	2282.2	2157.6	2016.0	1855.9	1702.0	1560.5	1495.8	1449.7
22.5°	2599.2	2593.1	2563.8	2479.2	2345.3	2189.9	2003.7	1820.5	1657.4	1580.5	1525.1
25°	2839.3	2840.8	2808.5	2690.0	2539.2	2357.6	2162.2	1954.4	1766.7	1669.7	1606.6
27.5°	3119.4	3117.8	3062.4	2934.7	2745.4	2536.1	2319.1	2094.5	1874.4	1760.5	1688.2
30°	3373.3	3367.2	3305.6	3177.9	2959.3	2723.9	2485.4	2229.9	1996.0	1860.6	1772.8
32.5°	3561.1	3562.6	3511.8	3371.8	3157.9	2907.0	2640.8	2382.2	2112.9	1968.3	1871.3
35°	3696.5	3698.0	3648.8	3528.7	3328.7	3077.8	2805.4	2525.4	2243.7	2079.1	1974.4
37.5°	3739.6	3739.6	3707.3	3613.4	3450.3	3231.7	2967.0	2688.5	2374.6	2199.1	2079.1
40°	3681.1	3685.7	3684.2	3622.6	3510.3	3337.9	3116.3	2845.5	2520.7	2317.6	2185.3
42.5°	3548.7	3551.8	3556.4	3533.4	3498.0	3394.9	3236.3	3005.5	2666.9	2446.9	2289.9
45°	3330.2	3342.5	3365.6	3374.8	3388.7	3381.0	3310.2	3154.8	2830.1	2576.1	2393.0
47.5°	3053.2	3073.2	3104.0	3159.4	3236.3	3297.9	3328.7	3270.2	2988.6	2710.0	2508.4
50°	2668.5	2690.0	2773.1	2888.5	3040.9	3160.9	3277.9	3356.4	3165.6	2873.2	2637.7
52.5°	2136.0	2182.2	2322.2	2543.8	2805.4	2984.0	3170.2	3397.9	3345.6	3065.5	2791.6
55°	1625.1	1642.0	1822.1	2088.3	2491.5	2793.1	3022.4	3376.4	3514.9	3267.1	2967.0
57.5°	1135.7	1154.2	1311.2	1602.0	2048.3	2543.8	2874.7	3304.1	3668.8	3504.1	3168.6
60°	806.4	826.4	943.4	1158.8	1591.2	2180.6	2737.7	3211.7	3802.7	3728.8	3401.0
62.5°	586.3	597.1	658.7	840.2	1149.6	1705.1	2542.3	3151.7	3896.5	3962.7	3639.5
65°	449.4	460.1	495.5	609.4	849.5	1246.5	2191.4	3150.2	3921.2	4135.1	3845.8
67°	374.0	372.4	403.2	489.4	663.3	937.2	1829.8	3137.9	3893.5	4190.5	3950.4
67.5°	354.0	360.1	384.7	457.1	626.3	863.3	1751.3	3117.8	3884.2	4188.9	3958.1
70°	281.6	283.2	304.7	361.6	470.9	626.3	1260.4	2920.9	3744.2	4038.1	3871.9
72.5°	206.2	204.7	237.0	273.9	360.1	455.5	844.9	2453.0	3441.0	3578.0	3442.6
75°	152.4	150.8	167.7	209.3	257.0	340.1	547.9	1600.5	2329.9	2276.1	2102.2
77.5°	101.6	104.6	120.0	153.9	183.1	210.8	273.9	737.1	1283.5	1160.3	1117.3
80°	61.6	56.9	67.7	87.7	106.2	107.7	117.0	318.6	550.9	524.8	492.5
82.5°	21.5	21.5	26.2	35.4	35.4	35.4	43.1	76.9	109.3	100.0	95.4
85°	0.0	0.0	0.0	0.0	3.1	4.6	3.1	6.2	10.8	12.3	12.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.1	4.6	6.2	6.2
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: P1211889

CATALOG NUMBER: GKO-PB2C-735-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3	1120.3
2.5°	1124.9	1124.9	1120.3	1114.2	1111.1	1109.6	1104.9	1098.8	1103.4	1108.0	1108.0
5°	1140.3	1137.3	1128.0	1121.9	1117.3	1117.3	1111.1	1109.6	1114.2	1118.8	1117.3
7.5°	1165.0	1158.8	1148.0	1138.8	1140.3	1141.9	1132.6	1132.6	1137.3	1141.9	1141.9
10°	1198.8	1188.0	1177.3	1169.6	1171.1	1172.7	1163.4	1160.3	1165.0	1169.6	1172.7
12.5°	1241.9	1228.1	1215.7	1208.1	1206.5	1208.1	1198.8	1195.7	1195.7	1198.8	1198.8
15°	1292.7	1277.3	1261.9	1251.1	1248.1	1246.5	1234.2	1223.4	1223.4	1225.0	1225.0
17.5°	1351.2	1329.6	1309.6	1297.3	1289.6	1278.8	1265.0	1249.6	1245.0	1246.5	1246.5
20°	1409.6	1386.6	1360.4	1343.5	1328.1	1309.6	1288.1	1268.1	1258.8	1258.8	1257.3
22.5°	1477.4	1446.6	1411.2	1388.1	1360.4	1329.6	1298.8	1272.7	1263.5	1260.4	1260.4
25°	1546.6	1511.2	1460.4	1425.0	1385.0	1340.4	1300.4	1265.0	1249.6	1243.4	1243.4
27.5°	1617.4	1575.9	1509.7	1458.9	1400.4	1338.9	1285.0	1240.4	1218.8	1211.1	1208.1
30°	1697.4	1637.4	1552.8	1483.5	1403.5	1325.0	1255.8	1203.4	1171.1	1152.6	1154.2
32.5°	1780.5	1705.1	1592.8	1498.9	1398.9	1298.8	1211.1	1145.0	1103.4	1086.5	1080.3
35°	1865.2	1769.8	1628.2	1506.6	1383.5	1258.8	1154.2	1080.3	1034.2	1009.5	1009.5
37.5°	1951.3	1837.5	1652.8	1505.1	1355.8	1206.5	1088.0	1009.5	955.7	924.9	917.2
40°	2036.0	1900.6	1671.3	1492.8	1314.2	1143.4	1017.2	932.6	860.3	820.2	814.1
42.5°	2119.1	1952.9	1680.5	1472.7	1265.0	1074.2	937.2	823.3	754.1	717.1	715.6
45°	2194.5	1994.4	1682.0	1446.6	1200.4	995.7	829.5	720.2	651.0	612.5	612.5
47.5°	2268.4	2040.6	1680.5	1412.7	1129.6	894.1	715.6	609.4	546.3	521.7	514.0
50°	2357.6	2086.8	1679.0	1371.2	1038.8	772.5	604.8	514.0	460.1	435.5	435.5
52.5°	2448.4	2140.6	1682.0	1312.7	931.0	654.0	506.3	426.3	390.9	375.5	374.0
55°	2565.4	2197.6	1689.7	1243.4	818.7	538.6	421.7	367.8	343.2	335.5	337.0
57.5°	2707.0	2276.1	1705.1	1161.9	687.9	441.7	361.6	332.4	326.3	329.3	330.9
60°	2868.5	2373.0	1726.7	1069.5	572.5	367.8	326.3	320.1	326.3	338.6	340.1
62.5°	3056.3	2490.0	1754.4	966.4	458.6	323.2	310.9	315.5	320.1	340.1	341.6
65°	3222.5	2616.2	1760.5	844.9	372.4	293.9	301.6	304.7	317.0	340.1	341.6
67°	3316.4	2702.3	1719.0	729.4	318.6	278.5	289.3	292.4	313.9	337.0	340.1
67.5°	3327.1	2720.8	1691.3	700.2	307.8	275.5	286.2	292.4	313.9	337.0	338.6
70°	3294.8	2708.5	1506.6	527.8	253.9	253.9	266.2	280.1	301.6	326.3	337.0
72.5°	3007.0	2470.0	1166.5	358.6	215.4	229.3	247.8	267.8	287.8	317.0	335.5
75°	1900.6	1589.7	714.1	240.1	180.1	204.7	233.9	257.0	273.9	295.5	307.8
77.5°	1015.7	786.4	307.8	141.6	141.6	181.6	217.0	238.5	247.8	255.5	263.2
80°	480.1	366.3	149.3	84.6	98.5	141.6	192.4	215.4	218.5	227.8	230.8
82.5°	95.4	83.1	49.2	44.6	64.6	101.6	160.0	186.2	187.7	203.1	206.2
85°	12.3	10.8	7.7	16.9	41.6	75.4	123.1	160.0	163.1	163.1	160.0
87.5°	6.2	4.6	4.6	12.3	30.8	56.9	101.6	133.9	135.4	106.2	103.1
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)