

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: INVUE

Report Number: P671090

Luminaire Tested: **CCP-SA-2E-730-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671090
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-730-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4W
distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12560.6 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

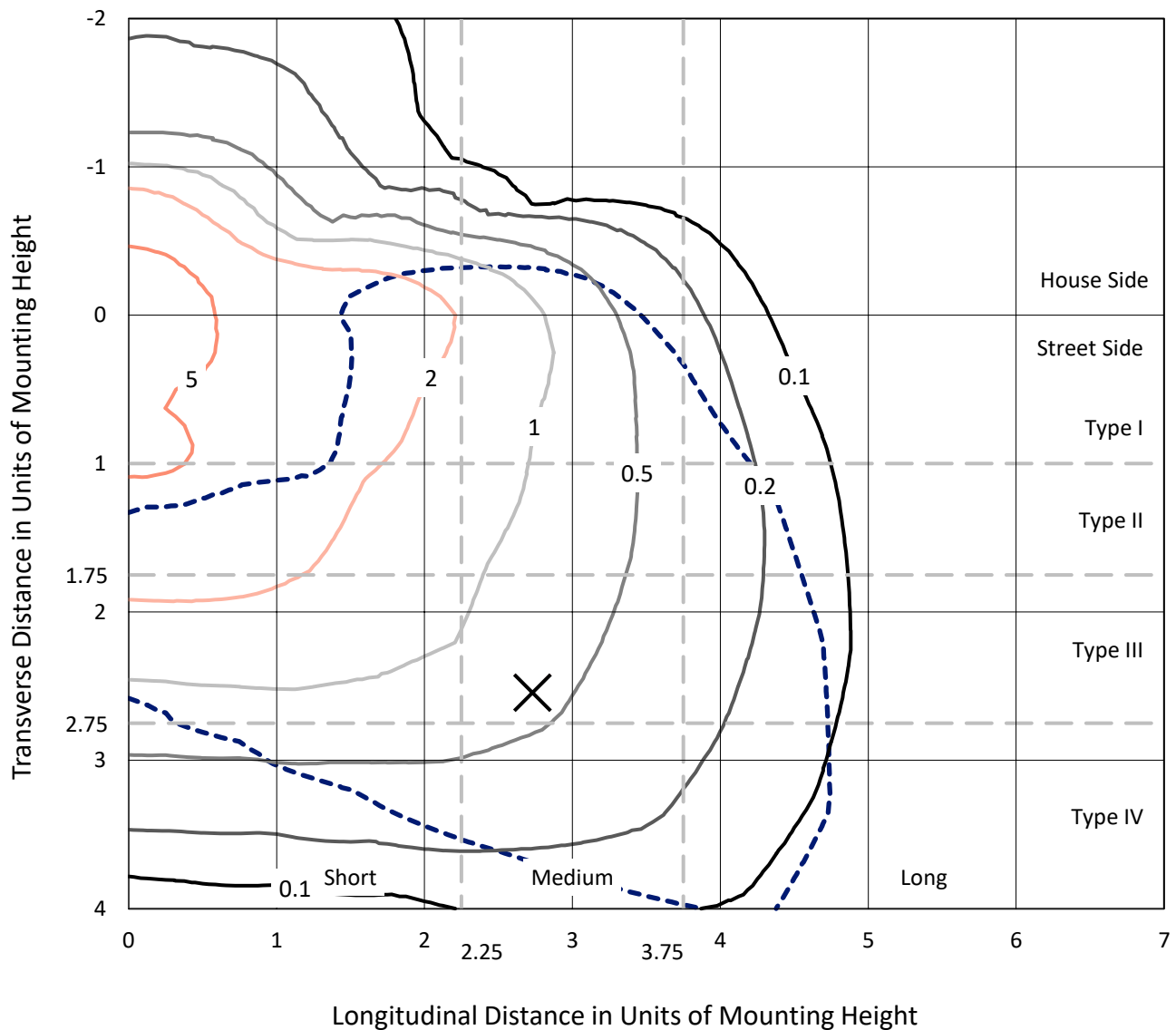
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671090

CATALOG NUMBER: CCP-SA-2E-730-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

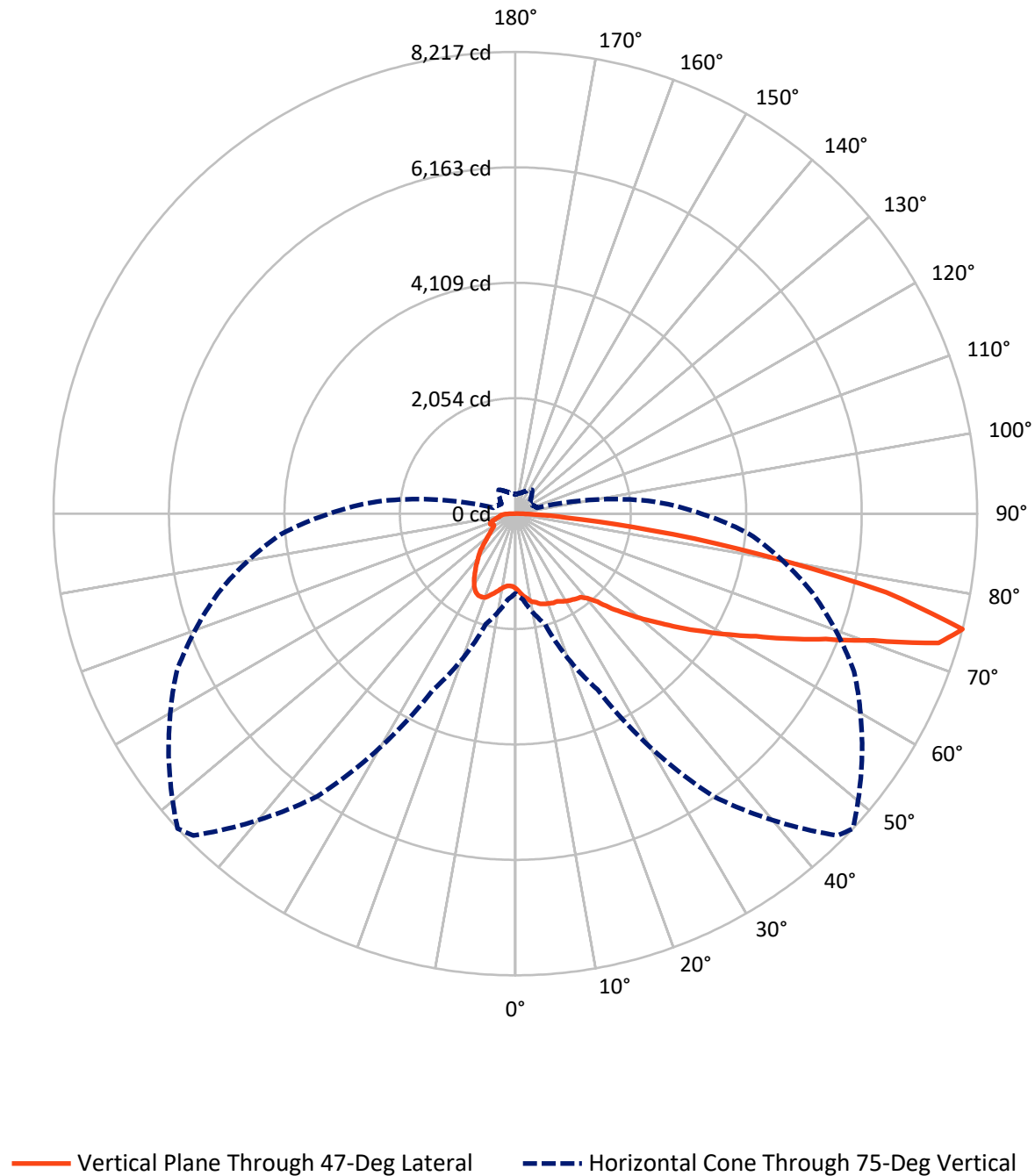
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P671090
CATALOG NUMBER: CCP-SA-2E-730-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P671090

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3003.8	0.0	3003.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	9556.7	0.0	9556.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	12560.6	0.0	12560.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	1.1
10°-20°	447.7	3.6
20°-30°	766.9	6.1
30°-40°	1073.0	8.5
40°-50°	1496.1	11.9
50°-60°	2236.2	17.8
60°-70°	3224.1	25.7
70°-80°	2744.5	21.8
80°-90°	437.2	3.5
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°	12560.6	100.0
0°-180°	12560.6	100.0

Coefficient of Utilization



REPORT NUMBER: P671090

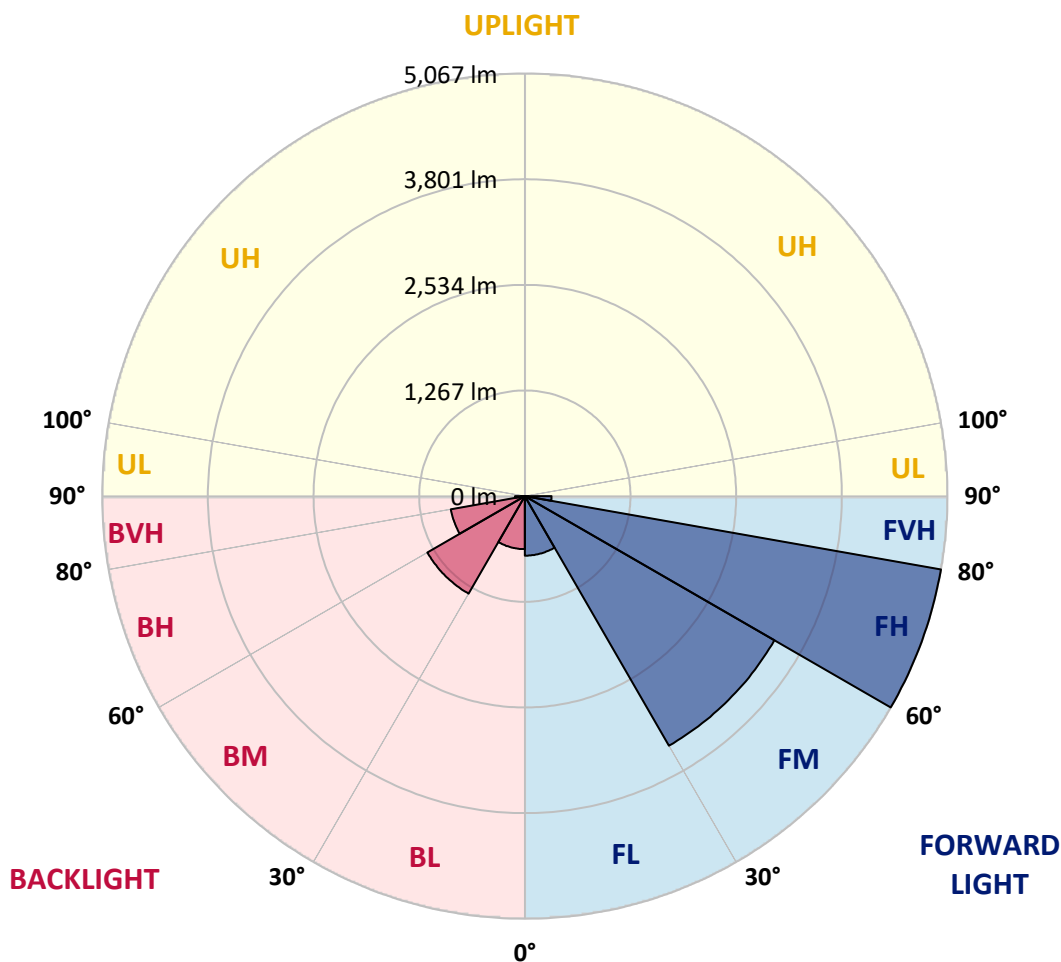
CATALOG NUMBER: CCP-SA-2E-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	713.6	5.7			
FM	(30°-60°)	3455.3	27.5			
FH	(60°-80°)	5067.4	40.3			G3/7500
FVH	(80°-90°)	320.3	2.6			G3/500
BL	(0°-30°)	635.8	5.1	B2/1000		
BM	(30°-60°)	1350.0	10.7	B2/2500		
BH	(60°-80°)	901.1	7.2	B2/1000		G2/1000
BVH	(80°-90°)	116.9	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





REPORT NUMBER: P671090

CATALOG NUMBER: CCP-SA-2E-730-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7
2.5°	1429.9	1434.5	1434.5	1425.3	1416.2	1397.8	1397.8	1379.5	1370.3	1347.4	1338.2
5°	1562.8	1549.1	1535.3	1530.7	1507.8	1475.7	1471.2	1452.8	1402.4	1379.5	1347.4
7.5°	1659.1	1654.5	1649.9	1631.6	1590.3	1539.9	1526.2	1498.7	1448.2	1402.4	1365.7
10°	1737.0	1755.3	1737.0	1695.7	1654.5	1599.5	1594.9	1544.5	1498.7	1443.7	1397.8
12.5°	1824.1	1828.6	1796.6	1746.1	1682.0	1636.1	1617.8	1599.5	1549.1	1503.2	1434.5
15°	1883.6	1874.5	1851.5	1782.8	1709.5	1663.6	1668.2	1645.3	1590.3	1558.2	1484.9
17.5°	1883.6	1883.6	1847.0	1796.6	1732.4	1691.1	1691.1	1677.4	1640.7	1594.9	1544.5
20°	1847.0	1847.0	1824.1	1796.6	1723.2	1714.1	1704.9	1695.7	1695.7	1654.5	1581.1
22.5°	1801.1	1792.0	1801.1	1755.3	1704.9	1714.1	1727.8	1723.2	1709.5	1672.8	1622.4
25°	1755.3	1759.9	1769.1	1737.0	1691.1	1732.4	1727.8	1750.7	1741.6	1714.1	1672.8
27.5°	1750.7	1759.9	1764.5	1732.4	1714.1	1750.7	1769.1	1792.0	1796.6	1769.1	1718.6
30°	1819.5	1814.9	1810.3	1769.1	1755.3	1787.4	1805.7	1837.8	1865.3	1805.7	1764.5
32.5°	1998.2	1970.7	1943.2	1833.2	1792.0	1814.9	1833.2	1879.0	1883.6	1851.5	1792.0
35°	2282.4	2264.0	2172.4	1979.9	1865.3	1842.4	1860.7	1892.8	1902.0	1879.0	1833.2
37.5°	2607.8	2598.6	2470.3	2236.5	2016.5	1906.5	1888.2	1934.0	1970.7	1920.3	1856.1
40°	2928.6	2891.9	2800.2	2571.1	2209.0	2002.8	1979.9	2002.8	2016.5	1979.9	1938.6
42.5°	3217.3	3176.0	3153.1	2924.0	2461.1	2163.2	2144.9	2089.9	2131.1	2085.3	2030.3
45°	3460.2	3451.0	3441.9	3244.8	2749.8	2424.4	2410.7	2268.6	2314.4	2277.8	2199.9
47.5°	3634.4	3675.6	3661.8	3551.9	3079.8	2704.0	2662.7	2479.4	2548.2	2511.5	2433.6
50°	3840.6	3863.5	3849.8	3776.4	3386.9	3024.8	2946.9	2759.0	2836.9	2832.3	2791.1
52.5°	4023.9	4092.7	4014.7	4010.2	3826.8	3373.1	3240.2	3061.5	3189.8	3240.2	3235.6
55°	4239.3	4294.3	4271.4	4262.2	4221.0	3712.3	3593.1	3377.7	3593.1	3666.4	3730.6
57.5°	4422.6	4418.1	4505.1	4610.5	4661.0	4101.8	3959.7	3707.7	4033.1	4115.6	4294.3
60°	4505.1	4583.0	4729.7	4995.5	5137.6	4518.9	4372.2	4170.6	4477.6	4541.8	4871.8
62.5°	4560.1	4628.9	4913.0	5362.2	5444.7	4945.1	4807.6	4606.0	4963.4	5009.3	5499.6
65°	4408.9	4473.0	5036.8	5499.6	5793.0	5403.4	5371.3	5160.5	5449.2	5476.7	6159.6
67.5°	4234.7	4303.5	4931.4	5673.8	6255.9	6012.9	5962.5	5710.5	5930.5	5898.4	6663.7
70°	3927.7	4019.3	4661.0	5825.0	6769.2	6865.4	6764.6	6407.1	6430.0	6127.5	6686.7
72.5°	2992.7	3052.3	3648.1	5224.7	7007.5	8047.8	7873.7	7158.7	6897.5	6173.4	5903.0
75°	1420.7	1530.7	2034.9	3455.6	6141.3	8102.8	8217.4	7529.9	6650.0	5476.7	4184.3
77.5°	412.5	412.5	618.7	1466.6	3849.8	6530.8	6746.2	6393.3	5485.9	4056.0	2199.9
80°	224.6	238.3	325.4	517.9	1691.1	4120.2	4431.8	4239.3	3231.0	1604.1	568.3
82.5°	128.3	132.9	215.4	311.6	770.0	2241.1	2424.4	2199.9	1228.3	485.8	265.8
85°	73.3	77.9	123.7	206.2	458.3	824.9	898.3	779.1	495.0	325.4	132.9
87.5°	36.7	36.7	59.6	96.2	233.7	233.7	229.2	279.6	297.9	197.1	59.6
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: P671090

CATALOG NUMBER: CCP-SA-2E-730-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7	1333.7
2.5°	1333.7	1329.1	1329.1	1310.7	1306.2	1292.4	1292.4	1283.3	1278.7	1292.4	1292.4
5°	1338.2	1315.3	1310.7	1292.4	1297.0	1287.8	1306.2	1297.0	1292.4	1292.4	1287.8
7.5°	1347.4	1324.5	1306.2	1292.4	1287.8	1301.6	1324.5	1324.5	1352.0	1338.2	1338.2
10°	1370.3	1356.6	1333.7	1324.5	1324.5	1338.2	1365.7	1384.1	1407.0	1407.0	1393.2
12.5°	1425.3	1402.4	1374.9	1361.2	1379.5	1393.2	1420.7	1439.1	1466.6	1475.7	1466.6
15°	1466.6	1443.7	1434.5	1425.3	1439.1	1457.4	1480.3	1498.7	1530.7	1539.9	1535.3
17.5°	1521.6	1494.1	1489.5	1494.1	1503.2	1517.0	1530.7	1544.5	1567.4	1567.4	1567.4
20°	1549.1	1539.9	1535.3	1549.1	1567.4	1585.7	1576.6	1567.4	1562.8	1572.0	1567.4
22.5°	1599.5	1590.3	1594.9	1608.6	1608.6	1599.5	1585.7	1553.7	1544.5	1553.7	1544.5
25°	1645.3	1636.1	1636.1	1627.0	1622.4	1590.3	1562.8	1535.3	1503.2	1517.0	1512.4
27.5°	1691.1	1686.6	1686.6	1649.9	1604.1	1549.1	1512.4	1480.3	1462.0	1484.9	1471.2
30°	1746.1	1750.7	1727.8	1640.7	1530.7	1471.2	1429.9	1425.3	1420.7	1434.5	1429.9
32.5°	1796.6	1801.1	1764.5	1627.0	1475.7	1361.2	1319.9	1324.5	1347.4	1370.3	1393.2
35°	1824.1	1847.0	1801.1	1581.1	1365.7	1237.4	1191.6	1232.8	1274.1	1306.2	1329.1
37.5°	1874.5	1934.0	1856.1	1530.7	1269.5	1127.4	1095.3	1109.1	1159.5	1209.9	1232.8
40°	1947.8	2016.5	1869.9	1434.5	1141.2	1017.4	999.1	1003.7	1022.0	1054.1	1077.0
42.5°	2076.1	2149.4	1883.6	1310.7	1012.9	948.7	898.3	884.5	870.8	870.8	866.2
45°	2264.0	2332.8	1865.3	1154.9	884.5	838.7	802.0	770.0	733.3	673.7	682.9
47.5°	2539.0	2594.0	1879.0	1017.4	765.4	728.7	701.2	664.5	609.5	545.4	540.8
50°	2956.1	2873.6	1860.7	875.4	678.3	646.2	623.3	572.9	508.7	462.9	458.3
52.5°	3441.9	3276.9	1842.4	756.2	605.0	577.5	559.1	504.1	444.6	421.6	417.1
55°	4028.5	3790.2	1869.9	650.8	550.0	527.0	508.7	458.3	412.5	394.1	389.6
57.5°	4720.5	4344.7	2021.1	568.3	490.4	481.2	476.6	435.4	394.1	380.4	375.8
60°	5371.3	4876.4	2121.9	508.7	435.4	444.6	453.7	435.4	389.6	380.4	380.4
62.5°	5916.7	5316.3	1961.5	458.3	407.9	435.4	476.6	462.9	444.6	453.7	444.6
65°	6397.9	5467.6	1466.6	430.8	394.1	458.3	527.0	522.5	481.2	490.4	485.8
67.5°	6480.4	5284.2	957.9	407.9	385.0	504.1	591.2	536.2	453.7	453.7	440.0
70°	6136.7	4793.9	641.6	385.0	380.4	504.1	605.0	504.1	426.2	426.2	407.9
72.5°	5036.8	3831.4	495.0	362.1	348.3	449.1	572.9	476.6	398.7	389.6	357.5
75°	3309.0	2470.3	403.3	343.7	302.5	394.1	517.9	440.0	380.4	352.9	339.1
77.5°	1622.4	1109.1	339.1	302.5	261.2	343.7	472.1	417.1	357.5	330.0	320.8
80°	444.6	398.7	284.1	265.8	220.0	297.9	444.6	398.7	334.6	307.1	293.3
82.5°	252.1	247.5	229.2	215.4	183.3	297.9	449.1	398.7	316.2	311.6	265.8
85°	137.5	146.7	165.0	160.4	142.1	265.8	426.2	348.3	256.7	215.4	215.4
87.5°	55.0	68.7	82.5	91.7	96.2	197.1	320.8	265.8	197.1	165.0	165.0
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)