

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: P670901

Luminaire Tested: **CCP-SA-2E-850-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670901
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-850-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

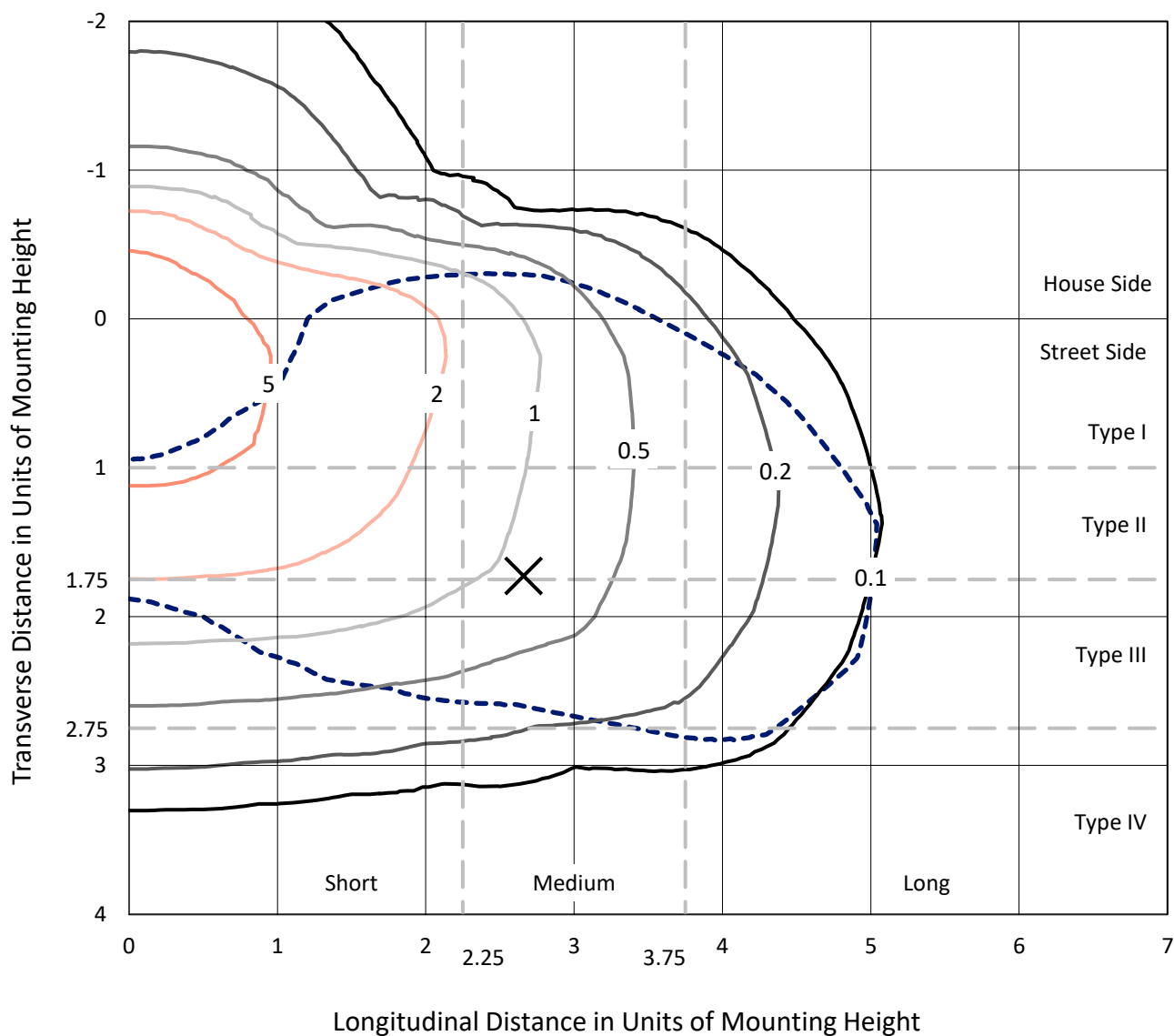
Lumens per Lamp: N/A
Luminaire Lumens: 12055 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

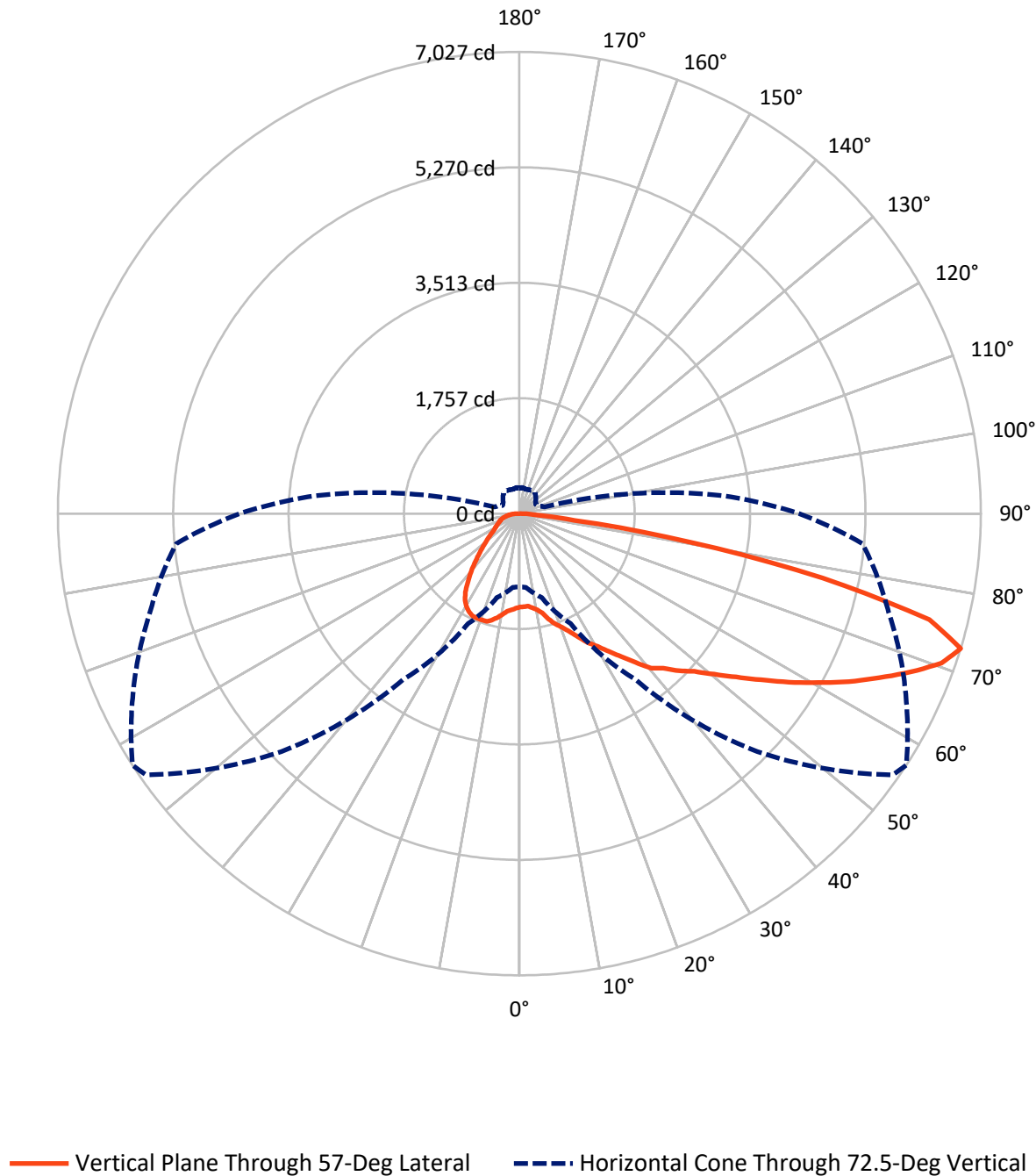
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 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	2815.3	0.0	2815.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	9239.8	0.0	9239.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	12055.0	0.0	12055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	1.2
10°-20°	476.0	3.9
20°-30°	870.2	7.2
30°-40°	1276.6	10.6
40°-50°	1757.7	14.6
50°-60°	2410.4	20.0
60°-70°	2905.5	24.1
70°-80°	1935.5	16.1
80°-90°	281.9	2.3
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°	12055.0	100.0
0°-180°	12055.0	100.0

Coefficient of Utilization



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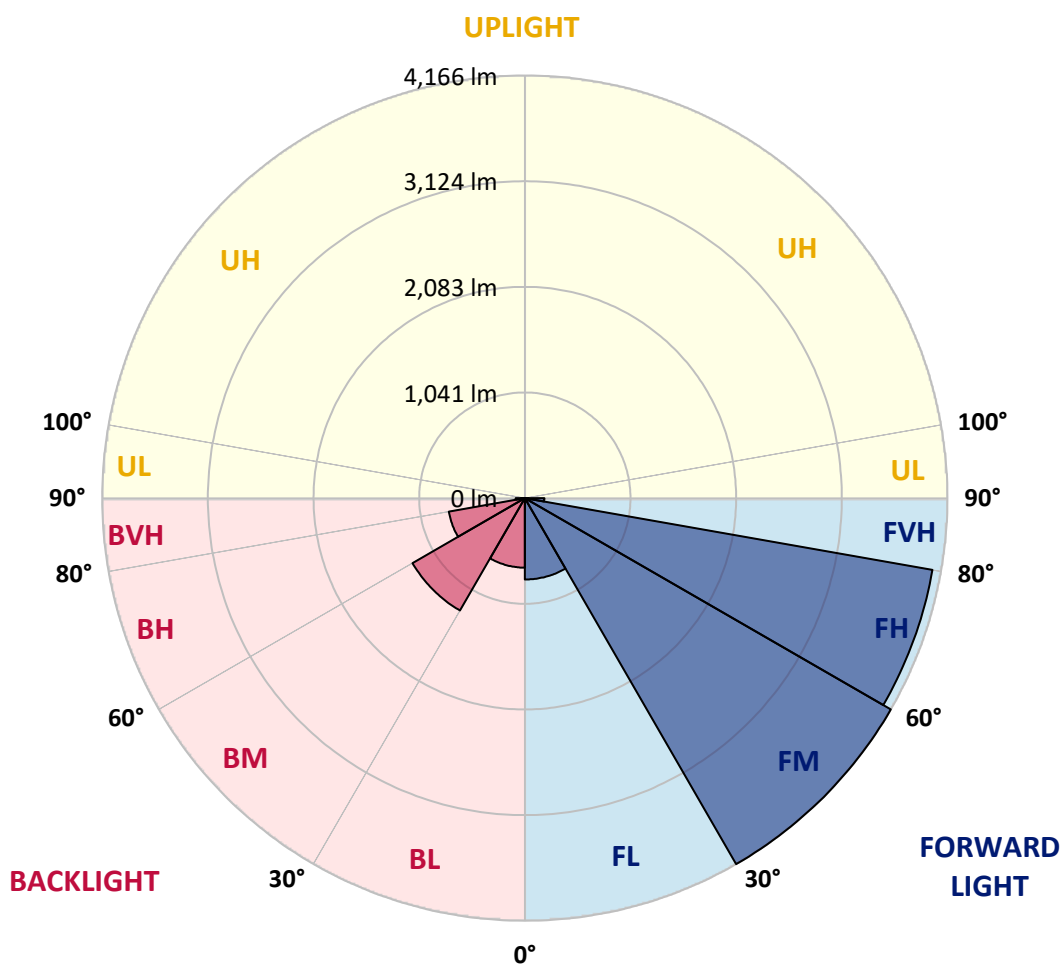
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	802.0	6.7			
FM	(30°-60°)	4166.0	34.6			
FH	(60°-80°)	4079.9	33.8			G2/5000
FVH	(80°-90°)	192.0	1.6			G2/225
BL	(0°-30°)	685.4	5.7	B2/1000		
BM	(30°-60°)	1278.7	10.6	B2/2500		
BH	(60°-80°)	761.2	6.3	B2/1000		G2/1000
BVH	(80°-90°)	89.9	0.7			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9
2.5°	1396.5	1400.9	1409.7	1405.3	1405.3	1392.1	1414.1	1418.5	1409.7	1414.1	1422.9
5°	1396.5	1405.3	1418.5	1409.7	1414.1	1409.7	1400.9	1414.1	1414.1	1418.5	1431.7
7.5°	1471.2	1466.8	1466.8	1453.6	1449.2	1444.8	1449.2	1449.2	1440.4	1444.8	1444.8
10°	1554.6	1554.6	1545.8	1545.8	1537.1	1515.1	1493.1	1488.7	1475.6	1480.0	1480.0
12.5°	1642.5	1651.2	1660.0	1633.7	1624.9	1589.8	1576.6	1550.2	1550.2	1541.4	1537.1
15°	1752.2	1739.1	1747.9	1739.1	1717.1	1682.0	1660.0	1664.4	1633.7	1624.9	1611.7
17.5°	1848.9	1853.3	1840.1	1831.3	1791.8	1765.4	1769.8	1765.4	1725.9	1712.7	1690.8
20°	1963.0	1958.6	1958.6	1932.3	1897.2	1862.0	1848.9	1844.5	1853.3	1826.9	1774.2
22.5°	2081.6	2064.0	2064.0	2042.1	1993.8	1971.8	1963.0	1945.5	1954.3	1932.3	1853.3
25°	2178.2	2178.2	2209.0	2165.1	2138.7	2094.8	2077.2	2081.6	2086.0	2042.1	1949.9
27.5°	2305.6	2283.6	2314.4	2292.4	2279.2	2230.9	2209.0	2222.1	2213.4	2165.1	2037.7
30°	2468.1	2472.5	2454.9	2424.2	2406.6	2371.5	2358.3	2345.1	2358.3	2296.8	2134.3
32.5°	2670.1	2683.3	2639.3	2604.2	2573.5	2538.3	2512.0	2498.8	2512.0	2419.8	2209.0
35°	2902.8	2916.0	2880.9	2841.4	2806.2	2718.4	2696.4	2674.5	2626.2	2476.9	2279.2
37.5°	3118.0	3100.5	3091.7	3091.7	3025.8	2898.5	2885.3	2872.1	2779.9	2591.0	2375.9
40°	3263.0	3284.9	3276.1	3267.3	3258.6	3140.0	3113.6	3091.7	2938.0	2762.3	2512.0
42.5°	3425.4	3412.3	3447.4	3460.6	3429.8	3394.7	3289.3	3214.6	3078.5	2938.0	2714.0
45°	3618.7	3609.9	3623.1	3671.4	3627.5	3640.6	3465.0	3412.3	3241.0	3157.6	2968.7
47.5°	3789.9	3811.9	3877.8	3891.0	3855.8	3917.3	3671.4	3587.9	3478.1	3412.3	3232.2
50°	3864.6	3891.0	4040.3	4132.5	4136.9	4233.5	3877.8	3842.6	3693.3	3719.7	3561.6
52.5°	3803.1	3886.6	4066.6	4308.2	4457.5	4554.1	4150.1	4132.5	3996.3	4079.8	3921.7
55°	3860.2	3939.3	4057.8	4396.0	4773.7	4795.6	4527.7	4461.9	4325.7	4439.9	4295.0
57.5°	3886.6	3842.6	4066.6	4492.6	5006.4	5063.5	4887.8	4839.5	4734.1	4843.9	4760.5
60°	3680.2	3732.9	3943.6	4466.2	5019.6	5349.0	5291.9	5221.6	5125.0	5226.0	5177.7
62.5°	3447.4	3482.5	3710.9	4308.2	5094.2	5555.4	5682.7	5630.0	5493.9	5581.7	5665.2
65°	3153.2	3157.6	3412.3	4027.1	4949.3	5673.9	6025.3	6020.9	5924.3	5902.3	6034.0
67.5°	2793.1	2828.2	3030.2	3728.5	4751.7	5805.7	6363.4	6429.3	6236.1	6064.8	6113.1
70°	2143.1	2178.2	2371.5	3056.5	4347.7	5766.2	6780.6	6815.8	6438.1	6003.3	5880.3
72.5°	1115.5	1124.2	1321.9	1844.5	3082.9	5120.6	6934.3	7026.5	6490.8	5823.3	5243.6
75°	368.9	368.9	452.3	702.7	1453.6	3276.1	6280.0	6446.9	6231.7	5375.3	4290.6
77.5°	219.6	224.0	267.9	351.3	579.7	1308.7	4426.7	4721.0	5098.6	4571.6	3135.6
80°	158.1	162.5	202.0	241.5	346.9	421.6	2222.1	2630.6	3131.2	2942.4	1673.2
82.5°	118.6	118.6	158.1	180.1	237.1	250.3	619.2	847.6	1352.6	1054.0	461.1
85°	123.0	123.0	123.0	127.4	162.5	144.9	259.1	276.7	395.2	346.9	127.4
87.5°	43.9	48.3	123.0	83.4	83.4	61.5	101.0	109.8	140.5	144.9	48.3
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°	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9
2.5°	1427.3	1427.3	1431.7	1431.7	1440.4	1449.2	1462.4	1453.6	1453.6	1458.0	1453.6
5°	1422.9	1427.3	1440.4	1462.4	1471.2	1475.6	1501.9	1501.9	1501.9	1510.7	1510.7
7.5°	1440.4	1449.2	1471.2	1493.1	1497.5	1510.7	1545.8	1554.6	1576.6	1585.4	1589.8
10°	1484.4	1497.5	1515.1	1541.4	1559.0	1576.6	1602.9	1633.7	1629.3	1655.6	1660.0
12.5°	1550.2	1545.8	1576.6	1602.9	1620.5	1646.8	1655.6	1655.6	1655.6	1655.6	1664.4
15°	1602.9	1611.7	1638.1	1655.6	1677.6	1673.2	1655.6	1638.1	1642.5	1638.1	1638.1
17.5°	1682.0	1682.0	1703.9	1708.3	1717.1	1673.2	1646.8	1646.8	1660.0	1660.0	1651.2
20°	1761.0	1756.6	1765.4	1761.0	1703.9	1651.2	1646.8	1651.2	1655.6	1651.2	1646.8
22.5°	1835.7	1826.9	1813.7	1796.2	1695.2	1646.8	1638.1	1616.1	1594.1	1594.1	1581.0
25°	1901.6	1892.8	1857.6	1804.9	1690.8	1620.5	1576.6	1523.9	1497.5	1484.4	1501.9
27.5°	1963.0	1945.5	1897.2	1804.9	1651.2	1550.2	1466.8	1400.9	1379.0	1361.4	1379.0
30°	2046.5	2015.7	1949.9	1791.8	1589.8	1440.4	1326.3	1247.2	1225.3	1198.9	1207.7
32.5°	2121.1	2050.9	1993.8	1752.2	1510.7	1317.5	1185.7	1106.7	1067.2	1045.2	1062.8
35°	2200.2	2129.9	2011.3	1690.8	1387.7	1168.2	1036.4	961.8	931.0	900.3	900.3
37.5°	2279.2	2239.7	2037.7	1576.6	1238.4	1027.6	909.1	852.0	799.3	742.2	742.2
40°	2446.1	2393.4	2068.4	1444.8	1089.1	891.5	808.1	733.4	680.7	601.6	597.3
42.5°	2621.8	2507.6	2068.4	1286.7	957.4	794.9	715.8	636.8	540.2	491.9	496.2
45°	2845.8	2714.0	2011.3	1146.2	825.6	715.8	628.0	527.0	483.1	452.3	452.3
47.5°	3126.8	2920.4	1941.1	992.5	720.2	645.6	535.8	474.3	443.6	417.2	412.8
50°	3460.6	3109.2	1853.3	860.8	632.4	579.7	487.5	439.2	412.8	395.2	395.2
52.5°	3811.9	3385.9	1791.8	742.2	562.1	491.9	452.3	421.6	399.6	386.5	382.1
55°	4167.6	3662.6	1747.9	614.8	496.2	452.3	443.6	417.2	408.4	395.2	386.5
57.5°	4567.3	3891.0	1739.1	527.0	443.6	434.8	452.3	430.4	417.2	404.0	390.9
60°	4997.6	4198.4	1660.0	456.7	417.2	426.0	439.2	417.2	408.4	395.2	386.5
62.5°	5423.6	4426.7	1444.8	404.0	390.9	399.6	417.2	399.6	386.5	390.9	395.2
65°	5599.3	4444.3	1119.9	364.5	360.1	364.5	390.9	386.5	373.3	399.6	399.6
67.5°	5423.6	4286.2	790.5	329.4	329.4	351.3	395.2	404.0	390.9	426.0	421.6
70°	5024.0	3895.3	535.8	307.4	316.2	373.3	408.4	399.6	382.1	426.0	417.2
72.5°	4264.2	3118.0	390.9	285.5	298.6	355.7	404.0	395.2	382.1	399.6	382.1
75°	3201.5	2217.8	307.4	259.1	263.5	320.6	417.2	395.2	360.1	351.3	338.2
77.5°	2138.7	1370.2	237.1	228.4	228.4	281.1	399.6	368.9	325.0	311.8	307.4
80°	1018.8	548.9	188.8	193.2	197.6	241.5	364.5	329.4	294.2	276.7	276.7
82.5°	325.0	206.4	158.1	158.1	158.1	197.6	303.0	276.7	254.7	241.5	219.6
85°	114.2	114.2	136.1	140.5	127.4	144.9	250.3	237.1	210.8	175.7	171.3
87.5°	43.9	65.9	92.2	109.8	79.0	101.0	180.1	166.9	153.7	114.2	109.8
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)