

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: P675109

Luminaire Tested: **CCW-SA-2D-730-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675109
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-730-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4FT distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

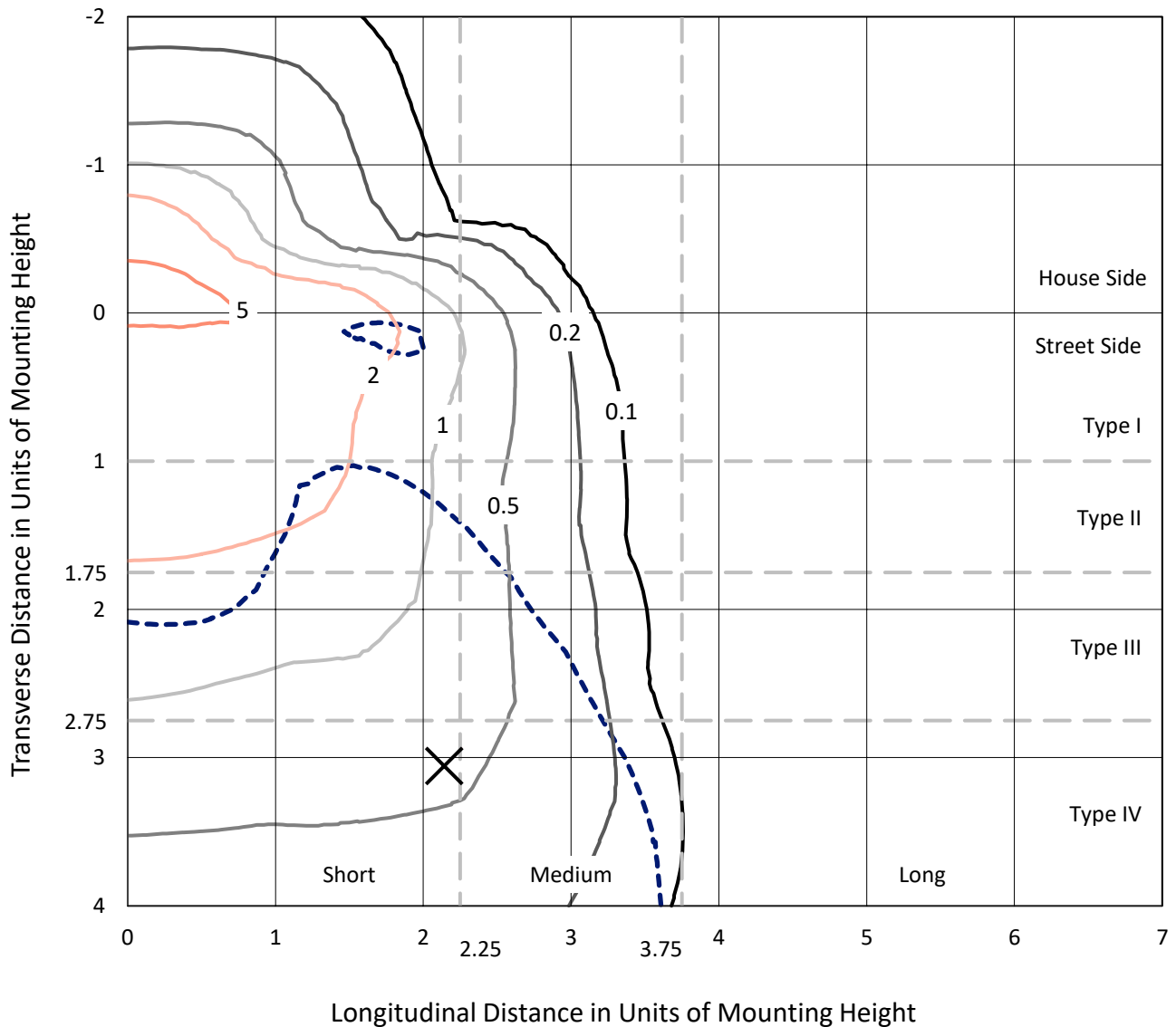
Lumens per Lamp: N/A
Luminaire Lumens: 10149.4 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (A_{in}): 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: P675109
 CATALOG NUMBER: CCW-SA-2D-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

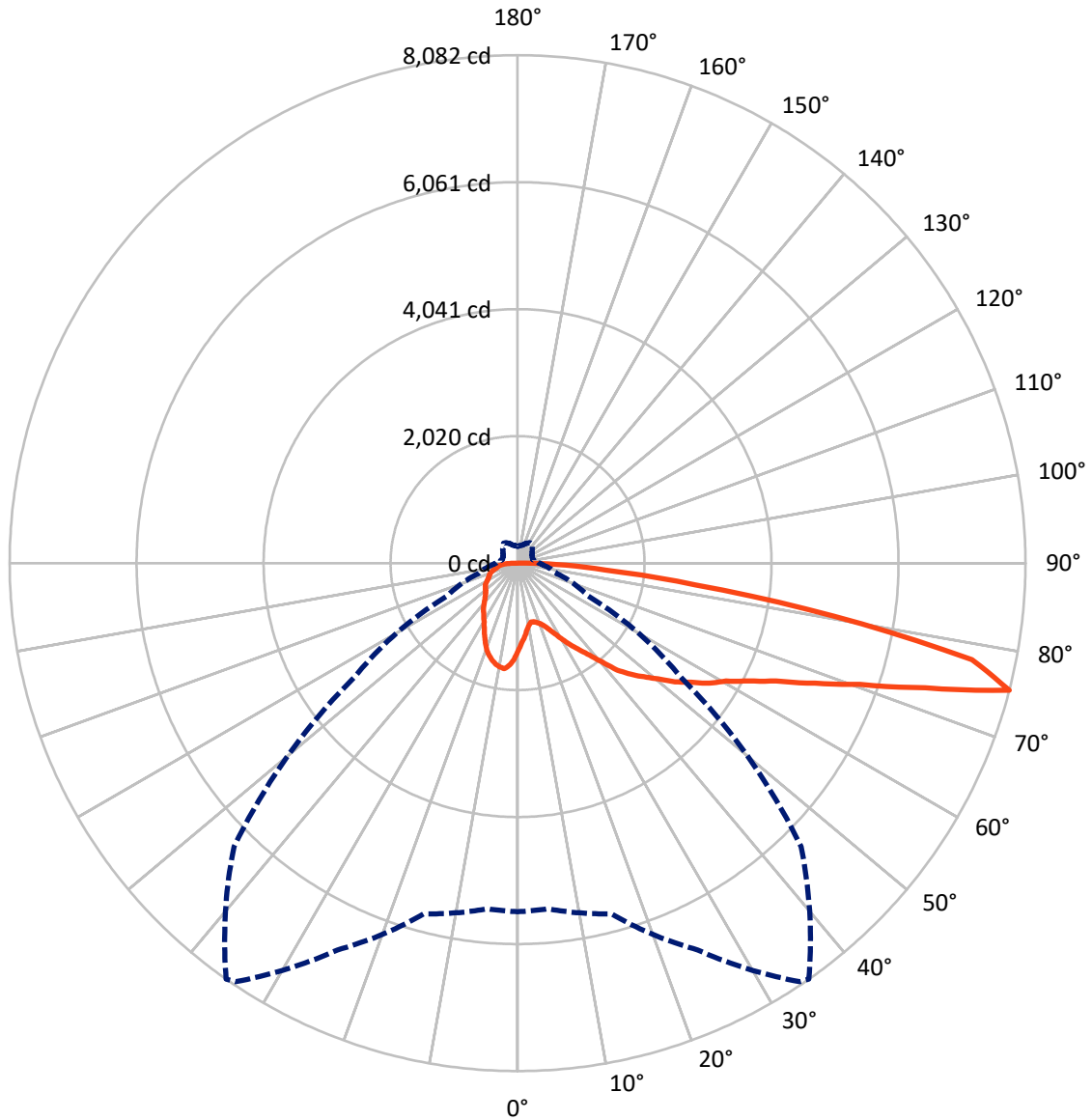
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P675109
CATALOG NUMBER: CCW-SA-2D-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P675109
 CATALOG NUMBER: CCW-SA-2D-730-U-T4FT

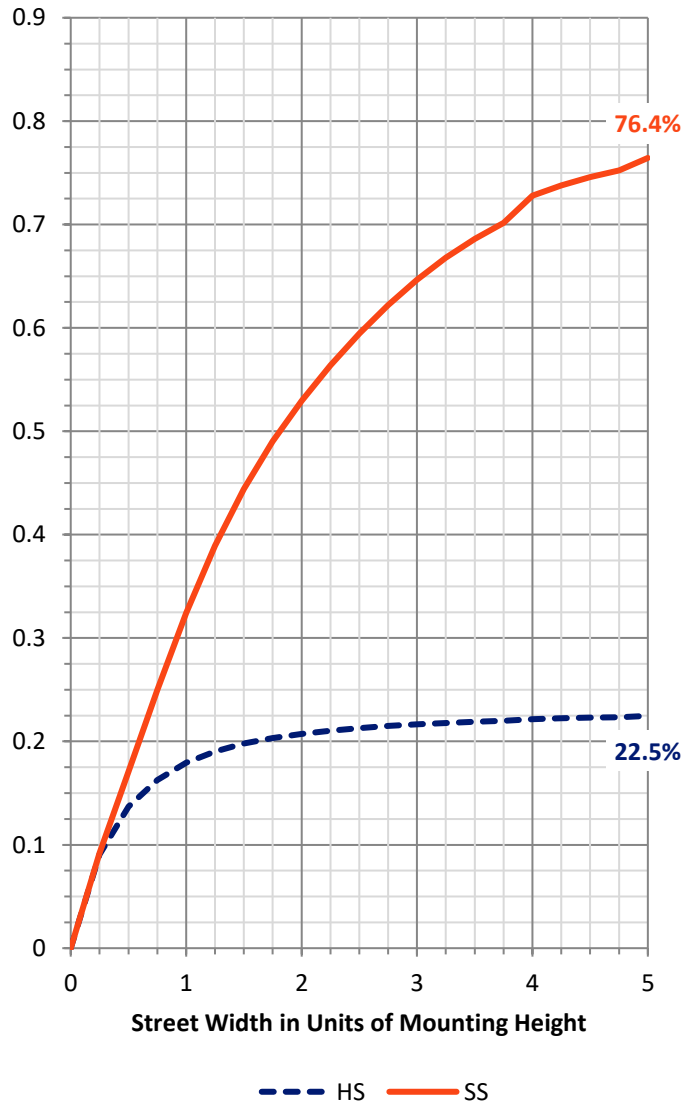
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2332.6	0.0	2332.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7816.8	0.0	7816.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	10149.4	0.0	10149.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	1.3
10°-20°	384.5	3.8
20°-30°	638.1	6.3
30°-40°	945.9	9.3
40°-50°	1363.8	13.4
50°-60°	1875.5	18.5
60°-70°	2316.6	22.8
70°-80°	2119.4	20.9
80°-90°	373.1	3.7
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°	10149.4	100.0
0°-180°	10149.4	100.0



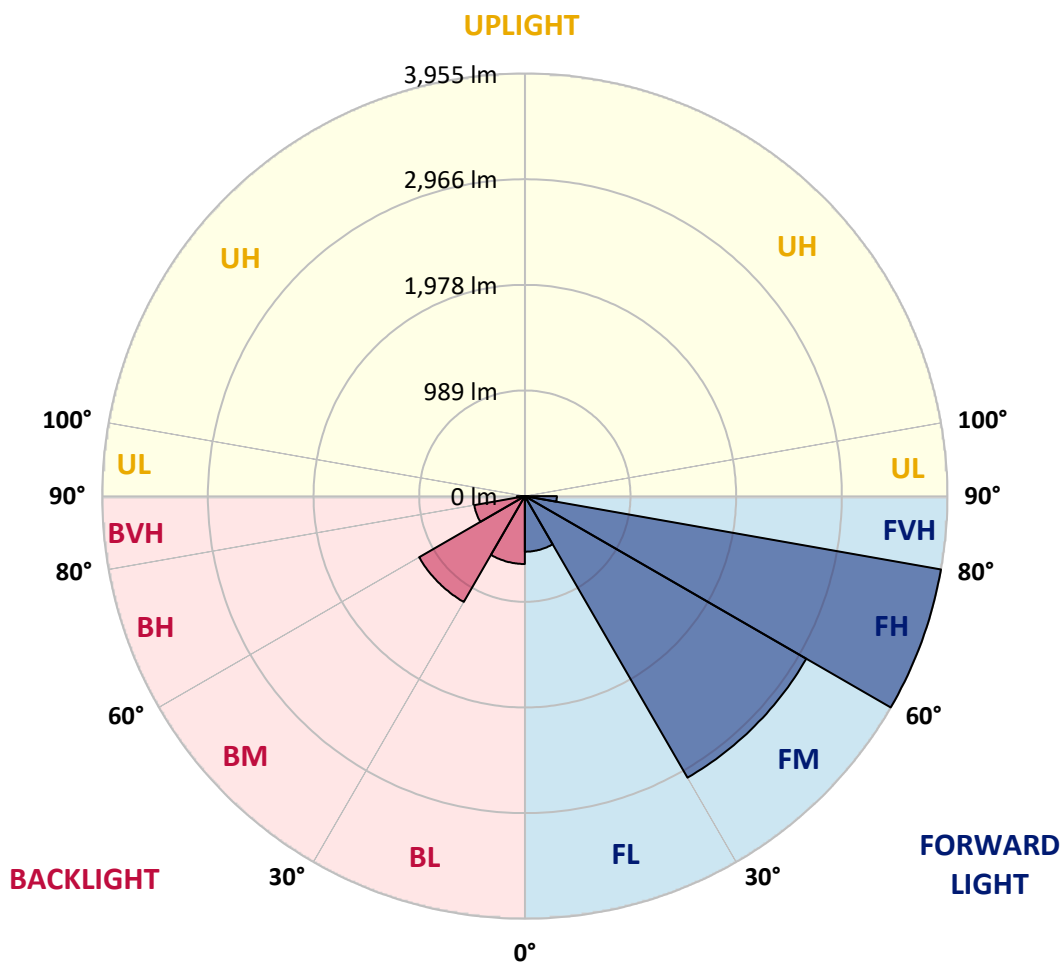
REPORT NUMBER: P675109
 CATALOG NUMBER: CCW-SA-2D-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.2	5.1			
FM (30°-60°)	3042.2	30.0			
FH (60°-80°)	3955.0	39.0			G2/5000
FVH (80°-90°)	299.4	3.0			G3/500
BL (0°-30°)	634.9	6.3	B2/1000		
BM (30°-60°)	1143.0	11.3	B2/2500		
BH (60°-80°)	481.0	4.7	B1/500		G1/500
BVH (80°-90°)	73.7	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-G3

Type IV Short





REPORT NUMBER: P675109

CATALOG NUMBER: CCW-SA-2D-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5
2.5°	1259.7	1248.5	1259.7	1267.2	1267.2	1267.2	1278.4	1312.0	1334.5	1349.4	1375.6
5°	1128.9	1132.6	1140.1	1158.8	1170.0	1177.5	1196.2	1237.3	1270.9	1319.5	1375.6
7.5°	1013.0	1020.5	1031.7	1050.4	1076.5	1072.8	1113.9	1170.0	1233.5	1297.1	1379.3
10°	953.2	968.1	971.9	975.6	1001.8	1001.8	1057.9	1121.4	1199.9	1282.1	1379.3
12.5°	964.4	964.4	953.2	949.5	964.4	960.7	1009.3	1084.0	1170.0	1285.9	1394.3
15°	998.0	998.0	975.6	953.2	975.6	968.1	1009.3	1069.1	1170.0	1289.6	1424.2
17.5°	1042.9	1046.6	1020.5	983.1	990.6	994.3	1024.2	1080.3	1170.0	1297.1	1465.3
20°	1132.6	1113.9	1072.8	1013.0	1039.2	1027.9	1072.8	1121.4	1192.4	1327.0	1525.1
22.5°	1211.1	1211.1	1132.6	1080.3	1084.0	1084.0	1125.1	1166.3	1226.1	1368.1	1570.0
25°	1338.2	1330.7	1233.5	1155.0	1162.5	1166.3	1188.7	1237.3	1282.1	1390.5	1626.0
27.5°	1498.9	1480.2	1383.1	1293.3	1263.4	1274.7	1285.9	1323.3	1334.5	1427.9	1693.3
30°	1670.9	1644.7	1562.5	1420.4	1405.5	1409.2	1390.5	1413.0	1398.0	1487.7	1760.6
32.5°	1779.3	1779.3	1700.8	1596.1	1555.0	1555.0	1491.5	1506.4	1506.4	1543.8	1880.2
35°	1872.7	1865.3	1812.9	1734.4	1708.3	1693.3	1629.8	1652.2	1614.8	1652.2	2048.4
37.5°	2014.8	1992.4	1969.9	1917.6	1865.3	1854.0	1820.4	1835.4	1783.0	1764.3	2239.1
40°	2179.3	2168.0	2145.6	2123.2	2070.8	2067.1	2029.7	2044.7	1988.6	1917.6	2429.7
42.5°	2422.2	2388.6	2317.6	2298.9	2310.1	2325.0	2310.1	2283.9	2183.0	2093.3	2635.3
45°	2665.2	2612.9	2478.3	2448.4	2534.4	2523.1	2586.7	2575.5	2411.0	2269.0	2852.1
47.5°	2822.2	2777.3	2668.9	2650.2	2687.6	2702.6	2893.2	2859.6	2597.9	2429.7	3061.4
50°	2934.3	2938.1	2796.0	2844.6	2893.2	2893.2	3132.4	3128.7	2825.9	2627.8	3334.3
52.5°	3098.8	3046.5	2986.7	3031.5	3098.8	3136.2	3431.5	3349.2	2968.0	2796.0	3640.8
55°	3184.8	3162.3	3110.0	3188.5	3330.6	3349.2	3663.2	3599.7	3128.7	2994.1	3954.8
57.5°	3218.4	3237.1	3323.1	3356.7	3554.8	3603.4	3872.6	3782.9	3278.2	3240.8	4197.8
60°	3367.9	3341.8	3457.6	3592.2	3782.9	3809.0	4134.2	3939.8	3424.0	3401.6	4276.3
62.5°	3670.7	3603.4	3667.0	3827.7	4093.1	4126.7	4410.8	4149.2	3487.6	3510.0	4272.5
65°	4111.8	4063.2	3969.8	4096.8	4470.6	4519.2	4736.0	4328.6	3468.9	3472.6	3969.8
67.5°	4631.4	4552.9	4455.7	4534.2	4990.2	5102.4	5132.3	4407.1	3338.0	3263.3	3229.6
70°	5087.4	5035.1	4971.5	5106.1	5741.6	5782.7	5625.7	4358.5	2975.4	2620.3	2153.1
72.5°	5513.5	5487.4	5524.8	6029.4	6758.3	6784.5	6089.2	4052.0	2351.2	1588.6	1001.8
75°	5547.2	5521.0	5778.9	6791.9	8033.0	8081.5	6377.0	3177.3	1241.0	646.7	422.4
77.5°	3756.7	3835.2	4317.4	5947.2	7378.8	7390.0	5214.5	1476.5	512.1	381.3	295.3
80°	923.3	1024.2	1626.0	3076.4	4975.3	5098.6	2855.8	497.2	336.4	291.6	220.5
82.5°	336.4	366.3	661.6	1390.5	2796.0	2844.6	998.0	269.1	243.0	224.3	160.7
85°	160.7	164.5	314.0	684.1	1413.0	1398.0	358.8	160.7	175.7	153.3	97.2
87.5°	67.3	67.3	138.3	317.7	624.2	605.6	115.9	74.8	100.9	89.7	48.6
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: P675109
 CATALOG NUMBER: CCW-SA-2D-730-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5	1390.5
2.5°	1394.3	1401.7	1431.7	1454.1	1476.5	1495.2	1525.1	1525.1	1543.8	1543.8	1543.8
5°	1390.5	1431.7	1480.2	1532.6	1566.2	1599.9	1629.8	1633.5	1644.7	1659.7	1663.4
7.5°	1405.5	1446.6	1525.1	1599.9	1641.0	1655.9	1693.3	1682.1	1682.1	1682.1	1693.3
10°	1435.4	1480.2	1588.6	1655.9	1685.8	1689.6	1678.4	1670.9	1648.5	1641.0	1629.8
12.5°	1457.8	1536.3	1644.7	1697.1	1685.8	1674.6	1648.5	1611.1	1584.9	1577.4	1577.4
15°	1513.9	1592.4	1693.3	1712.0	1693.3	1633.5	1599.9	1558.7	1536.3	1502.7	1517.6
17.5°	1562.5	1652.2	1741.9	1719.5	1682.1	1588.6	1540.1	1480.2	1450.3	1413.0	1413.0
20°	1626.0	1708.3	1786.8	1727.0	1644.7	1543.8	1465.3	1390.5	1349.4	1312.0	1319.5
22.5°	1697.1	1771.8	1812.9	1697.1	1588.6	1472.8	1364.4	1293.3	1241.0	1218.6	1226.1
25°	1753.1	1835.4	1827.9	1648.5	1521.4	1383.1	1263.4	1196.2	1184.9	1162.5	1162.5
27.5°	1824.1	1910.1	1816.7	1588.6	1409.2	1241.0	1166.3	1140.1	1140.1	1128.9	1136.4
30°	1917.6	1977.4	1790.5	1502.7	1267.2	1113.9	1076.5	1091.5	1117.7	1106.4	1110.2
32.5°	2070.8	2063.4	1768.1	1405.5	1117.7	990.6	1016.7	1046.6	1069.1	1080.3	1087.8
35°	2220.4	2171.8	1741.9	1274.7	979.4	930.8	953.2	986.8	1027.9	1039.2	1042.9
37.5°	2369.9	2283.9	1697.1	1113.9	893.4	878.4	900.9	919.5	953.2	960.7	968.1
40°	2526.9	2358.7	1618.6	956.9	822.4	822.4	837.3	841.0	859.7	871.0	878.4
42.5°	2665.2	2429.7	1476.5	811.1	747.6	773.8	777.5	770.0	755.1	762.6	766.3
45°	2833.4	2508.2	1312.0	706.5	691.5	725.2	732.6	702.7	676.6	661.6	654.1
47.5°	2997.9	2590.4	1170.0	620.5	639.2	691.5	691.5	657.9	613.0	575.7	560.7
50°	3147.4	2672.7	1054.1	568.2	586.9	665.4	672.8	609.3	560.7	515.8	508.4
52.5°	3397.8	2811.0	934.5	527.1	557.0	646.7	642.9	586.9	523.3	474.7	471.0
55°	3618.4	2949.3	777.5	485.9	527.1	620.5	631.7	564.4	478.5	433.6	426.1
57.5°	3779.1	2982.9	620.5	444.8	497.2	590.6	605.6	519.6	448.6	411.2	407.4
60°	3809.0	2852.1	504.6	411.2	456.0	549.5	560.7	493.4	426.1	396.2	388.8
62.5°	3670.7	2601.6	429.9	381.3	422.4	508.4	530.8	463.5	403.7	377.5	373.8
65°	3356.7	2235.3	377.5	355.1	400.0	478.5	504.6	441.1	385.0	362.6	358.8
67.5°	2657.7	1715.7	336.4	336.4	370.1	448.6	485.9	426.1	366.3	351.4	347.6
70°	1738.2	1031.7	306.5	310.3	347.6	422.4	463.5	407.4	343.9	340.2	332.7
72.5°	747.6	474.7	272.9	284.1	314.0	377.5	429.9	381.3	317.7	306.5	295.3
75°	343.9	287.8	246.7	254.2	280.3	332.7	388.8	351.4	295.3	276.6	265.4
77.5°	243.0	209.3	205.6	220.5	239.2	287.8	343.9	328.9	272.9	257.9	250.4
80°	179.4	160.7	171.9	186.9	198.1	265.4	325.2	302.8	250.4	228.0	216.8
82.5°	127.1	119.6	134.6	149.5	160.7	231.8	299.0	265.4	209.3	190.6	171.9
85°	74.8	78.5	93.4	100.9	112.1	171.9	250.4	213.1	160.7	123.4	119.6
87.5°	33.6	33.6	44.9	48.6	56.1	100.9	168.2	134.6	100.9	78.5	74.8
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)