

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: P670658

Luminaire Tested: **CCP-SA-2E-730-U-T2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670658
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-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

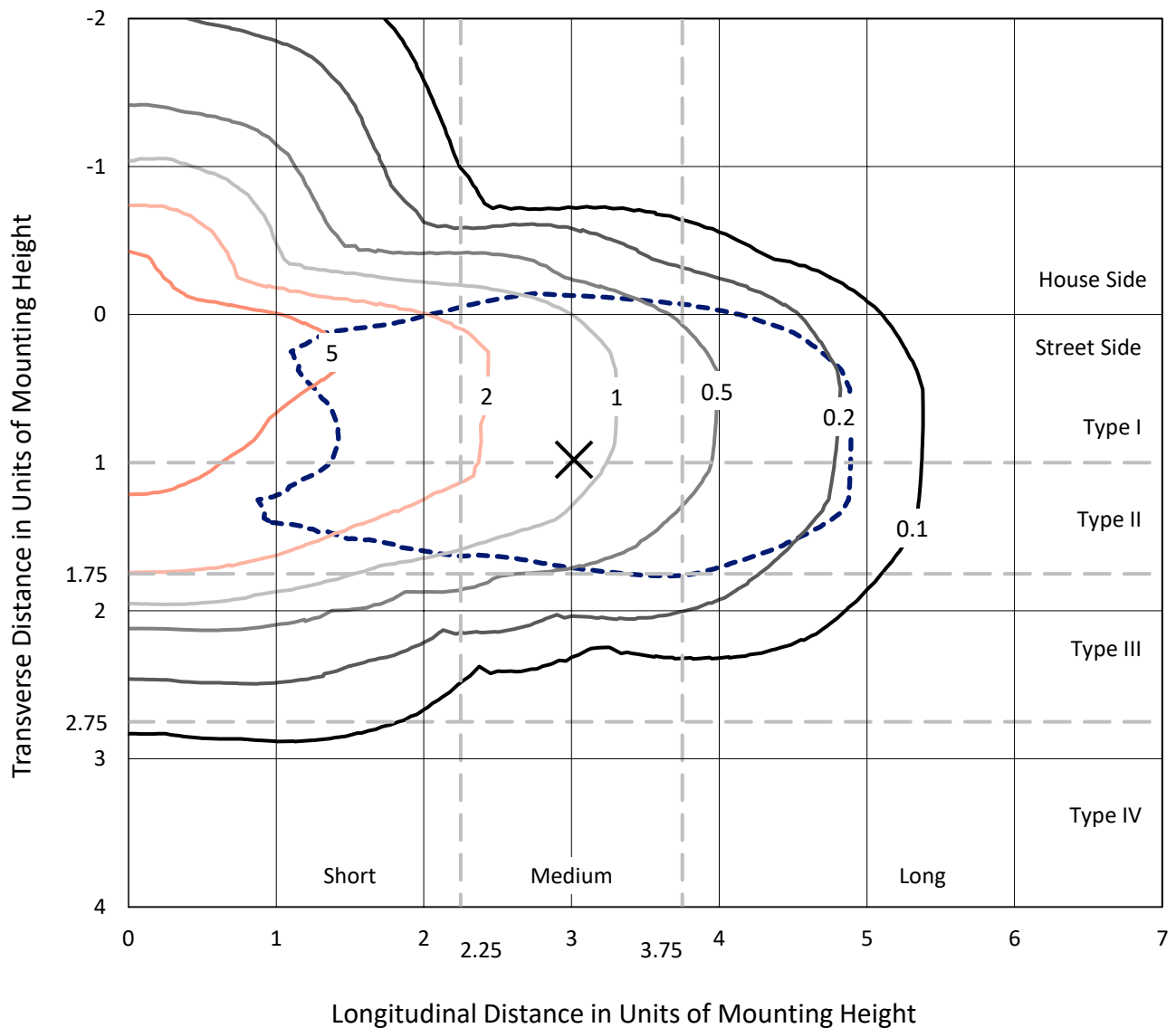
Lumens per Lamp: N/A
Luminaire Lumens: 12419.6 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
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: P670658
 CATALOG NUMBER: CCP-SA-2E-730-U-T2

Iso-Footcandle Lines of Horizontal Illumination

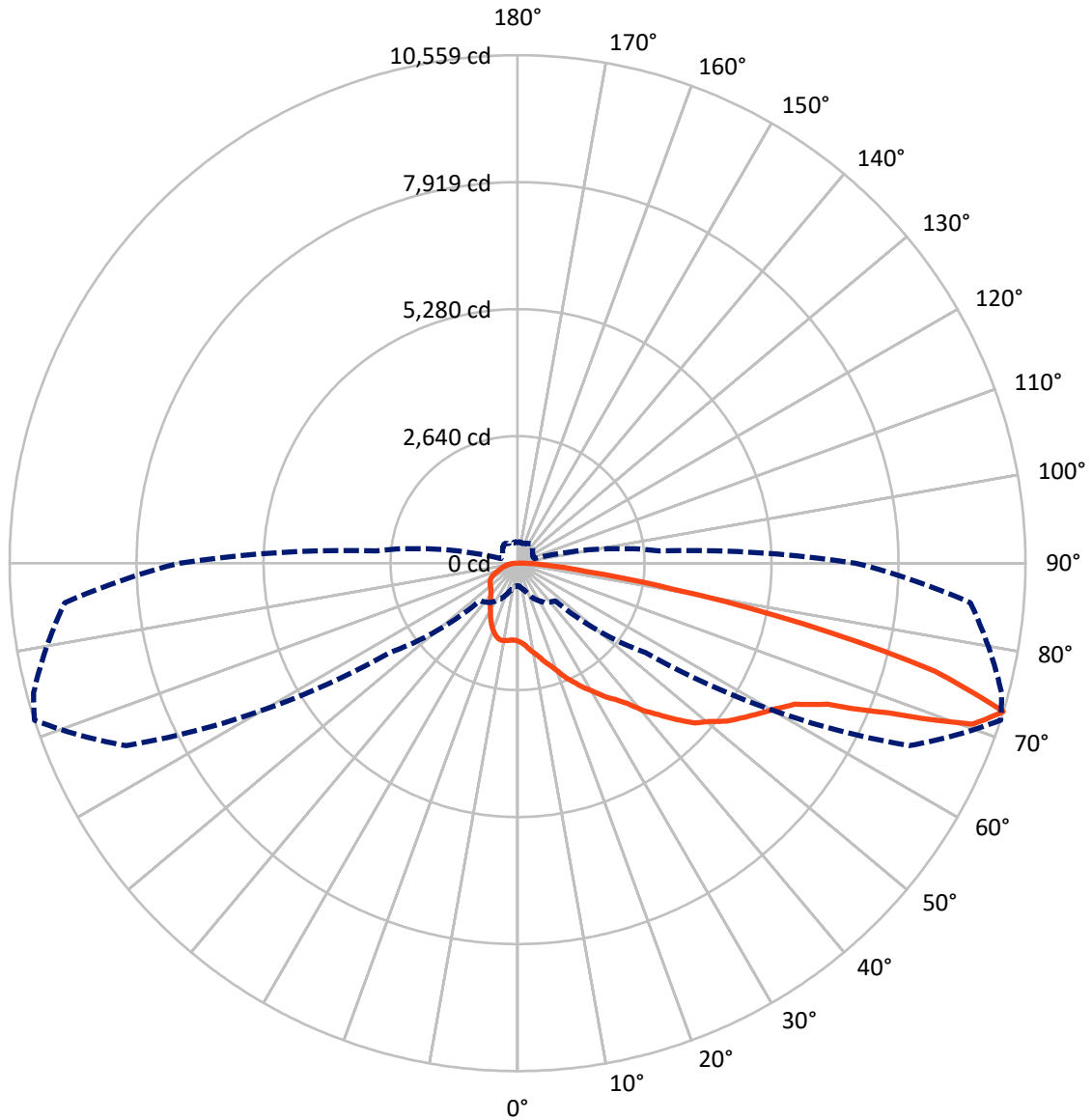
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 fc
 Type II - Medium - N/A

REPORT NUMBER: P670658
CATALOG NUMBER: CCP-SA-2E-730-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P670658
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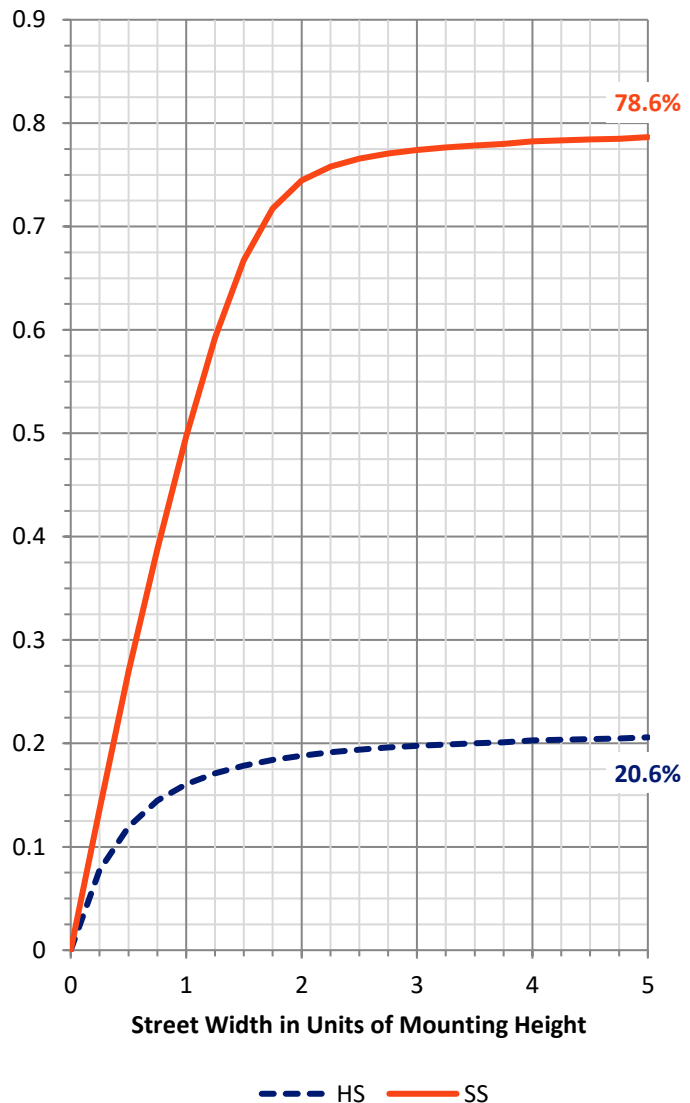
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2613.8	0.0	2613.8
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	9805.8	0.0	9805.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	12419.6	0.0	12419.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	1.3
10°-20°	498.4	4.0
20°-30°	862.4	6.9
30°-40°	1273.9	10.3
40°-50°	1894.4	15.3
50°-60°	2597.1	20.9
60°-70°	2817.0	22.7
70°-80°	1986.1	16.0
80°-90°	330.0	2.7
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°	12419.6	100.0
0°-180°	12419.6	100.0

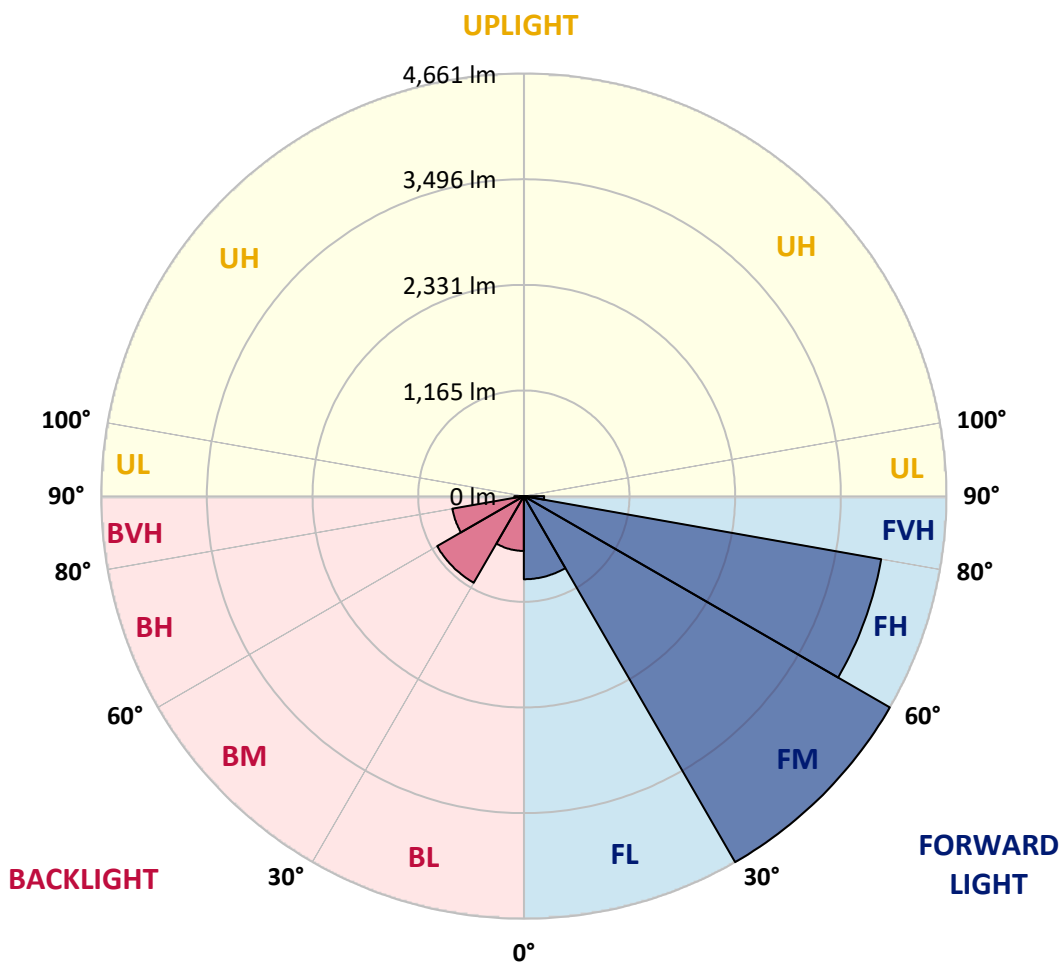


REPORT NUMBER: P670658
 CATALOG NUMBER: CCP-SA-2E-730-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.1	7.4			
FM (30°-60°)	4661.3	37.5			
FH (60°-80°)	4002.4	32.2			G2/5000
FVH (80°-90°)	225.0	1.8			G2/225
BL (0°-30°)	604.1	4.9	B2/1000		
BM (30°-60°)	1104.0	8.9	B2/2500		
BH (60°-80°)	800.6	6.4	B2/1000		G2/1000
BVH (80°-90°)	105.0	0.8			G2/225
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: P670658

CATALOG NUMBER: CCP-SA-2E-730-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3
2.5°	1750.7	1750.7	1736.9	1732.3	1732.3	1695.7	1700.3	1677.3	1659.0	1659.0	1640.7
5°	1842.3	1833.2	1833.2	1833.2	1810.2	1796.5	1791.9	1750.7	1718.6	1723.2	1668.2
7.5°	1865.2	1869.8	1874.4	1897.3	1883.6	1892.7	1883.6	1837.7	1814.8	1791.9	1741.5
10°	1879.0	1888.2	1888.2	1920.2	1920.2	1943.2	1956.9	1938.6	1897.3	1874.4	1791.9
12.5°	1911.1	1897.3	1915.7	1938.6	1961.5	2002.7	2044.0	2025.6	1998.1	1970.6	1879.0
15°	1911.1	1915.7	1929.4	1966.1	2002.7	2044.0	2117.3	2144.8	2131.1	2080.6	1984.4
17.5°	1856.1	1842.3	1906.5	1975.2	2044.0	2094.4	2190.6	2254.8	2245.6	2227.3	2080.6
20°	1860.7	1874.4	1897.3	1956.9	2066.9	2158.5	2277.7	2383.1	2406.0	2396.9	2209.0
22.5°	1943.2	1947.7	1970.6	1998.1	2085.2	2204.4	2383.1	2552.7	2593.9	2571.0	2351.0
25°	2025.6	2062.3	2062.3	2080.6	2112.7	2236.5	2451.9	2690.2	2749.7	2754.3	2497.7
27.5°	2158.5	2167.7	2195.2	2204.4	2231.9	2305.2	2529.8	2791.0	2928.5	2910.1	2630.6
30°	2314.4	2319.0	2337.3	2328.1	2332.7	2424.4	2603.1	2905.6	3093.5	3098.0	2772.7
32.5°	2497.7	2534.3	2543.5	2483.9	2493.1	2516.0	2717.7	3043.0	3299.7	3267.6	2896.4
35°	2768.1	2781.8	2754.3	2726.8	2658.1	2644.3	2836.8	3180.5	3478.4	3515.1	3079.7
37.5°	3102.6	3139.3	3102.6	2956.0	2882.6	2827.7	2983.5	3331.8	3693.8	3817.6	3263.0
40°	3414.3	3409.7	3373.0	3240.1	3111.8	3070.5	3194.3	3542.6	4028.4	4147.5	3528.8
42.5°	3666.3	3652.6	3629.7	3528.8	3409.7	3340.9	3437.2	3762.6	4307.9	4537.1	3835.9
45°	3886.3	3868.0	3872.6	3758.0	3643.4	3680.1	3680.1	4014.6	4637.9	4922.0	4188.8
47.5°	4092.5	4101.7	4088.0	4000.9	3913.8	4010.0	3959.6	4303.3	4963.3	5279.5	4486.7
50°	4330.8	4349.2	4303.3	4248.4	4170.4	4266.7	4202.5	4573.7	5174.1	5604.9	4844.1
52.5°	4555.4	4573.7	4615.0	4546.2	4468.3	4546.2	4399.6	4825.8	5453.7	5921.1	5119.1
55°	4610.4	4601.2	4830.4	4903.7	4945.0	4711.2	4573.7	5041.2	5673.6	6122.8	5430.7
57.5°	4358.3	4381.3	4692.9	4903.7	5343.7	5142.0	4770.8	5293.3	5902.8	6388.6	5719.5
60°	3730.5	3744.2	4133.8	4633.3	5274.9	5545.3	5302.4	5618.6	6154.8	6613.1	6044.9
62.5°	2493.1	2598.5	3084.3	3868.0	4789.1	5655.3	6150.3	6168.6	6461.9	6897.3	6489.4
65°	1315.3	1365.7	1746.1	2378.5	3629.7	5274.9	6947.7	7259.3	7076.0	7419.7	7131.0
67.5°	861.6	879.9	1086.1	1443.6	2094.4	3849.6	7039.3	9152.1	8308.8	8414.2	8157.6
70°	641.6	650.8	802.0	1067.8	1297.0	2057.7	5769.9	10036.6	10032.0	9752.4	9376.6
72.5°	472.0	485.8	591.2	815.8	999.1	1109.1	3244.7	8977.9	10559.0	10416.9	9450.0
75°	371.2	380.4	435.4	632.4	806.6	728.7	1645.3	6649.8	8955.0	9637.8	8647.9
77.5°	302.5	311.6	343.7	458.3	646.2	563.7	788.3	4289.6	6072.3	6938.5	6617.7
80°	252.1	252.1	275.0	325.4	499.5	426.2	467.5	2410.6	3272.2	3611.3	3001.8
82.5°	215.4	210.8	229.1	238.3	371.2	307.1	302.5	1090.7	1439.0	1526.1	1127.4
85°	137.5	142.1	215.4	206.2	242.9	210.8	169.6	517.9	678.3	692.0	421.6
87.5°	55.0	55.0	91.7	114.6	137.5	128.3	82.5	233.7	297.9	297.9	119.2
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: P670658
 CATALOG NUMBER: CCP-SA-2E-730-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3
2.5°	1636.1	1617.8	1604.0	1594.9	1571.9	1549.0	1553.6	1549.0	1530.7	1521.5	1521.5
5°	1654.4	1636.1	1613.2	1576.5	1553.6	1526.1	1535.3	1516.9	1498.6	1512.4	1489.4
7.5°	1700.3	1668.2	1636.1	1581.1	1544.4	1503.2	1484.9	1475.7	1461.9	1452.8	1452.8
10°	1764.4	1718.6	1659.0	1576.5	1516.9	1452.8	1443.6	1425.3	1411.5	1411.5	1407.0
12.5°	1828.6	1778.2	1677.3	1544.4	1443.6	1397.8	1393.2	1397.8	1407.0	1411.5	1416.1
15°	1911.1	1828.6	1672.8	1484.9	1384.0	1365.7	1388.6	1407.0	1425.3	1443.6	1439.0
17.5°	1989.0	1892.7	1631.5	1411.5	1333.6	1338.2	1379.5	1416.1	1452.8	1471.1	1475.7
20°	2094.4	1952.3	1571.9	1324.5	1283.2	1324.5	1379.5	1425.3	1466.5	1489.4	1494.0
22.5°	2213.5	2021.1	1494.0	1246.6	1242.0	1283.2	1338.2	1407.0	1452.8	1494.0	1489.4
25°	2319.0	2066.9	1393.2	1182.4	1191.6	1219.1	1283.2	1356.5	1402.4	1448.2	1434.4
27.5°	2387.7	2076.1	1287.8	1136.6	1136.6	1164.1	1223.6	1269.5	1310.7	1347.4	1352.0
30°	2465.6	2057.7	1168.6	1077.0	1077.0	1113.6	1136.6	1164.1	1187.0	1196.1	1205.3
32.5°	2557.3	2016.5	1095.3	1031.2	1031.2	1058.7	1072.4	1063.2	1058.7	1035.7	1049.5
35°	2644.3	1956.9	1012.8	971.6	989.9	1003.7	999.1	971.6	944.1	902.8	889.1
37.5°	2749.7	1897.3	939.5	907.4	939.5	944.1	944.1	912.0	875.3	824.9	824.9
40°	2910.1	1851.5	879.9	866.2	898.2	893.7	870.8	847.8	861.6	834.1	834.1
42.5°	3079.7	1833.2	824.9	829.5	843.3	847.8	824.9	797.4	852.4	820.3	824.9
45°	3290.5	1846.9	788.3	783.7	815.8	811.2	797.4	774.5	792.8	710.4	687.4
47.5°	3487.6	1874.4	769.9	751.6	788.3	797.4	779.1	728.7	701.2	650.8	641.6
50°	3666.3	1934.0	751.6	714.9	751.6	769.9	737.8	682.9	650.8	618.7	618.7
52.5°	3835.9	2021.1	742.4	673.7	705.8	728.7	710.4	655.4	618.7	604.9	591.2
55°	4010.0	2099.0	728.7	646.2	655.4	701.2	696.6	623.3	586.6	586.6	582.0
57.5°	4257.5	2204.4	710.4	600.4	618.7	669.1	669.1	609.5	568.3	572.9	577.4
60°	4509.6	2328.1	692.0	554.5	568.3	637.0	646.2	591.2	554.5	559.1	554.5
62.5°	4912.9	2557.3	655.4	499.5	527.0	595.8	618.7	568.3	536.2	545.4	545.4
65°	5522.4	2951.4	577.4	453.7	485.8	559.1	591.2	545.4	508.7	536.2	527.0
67.5°	6503.1	3492.2	485.8	417.0	458.3	522.5	559.1	517.9	485.8	527.0	513.3
70°	7383.1	3758.0	417.0	385.0	417.0	481.2	522.5	490.4	458.3	499.5	481.2
72.5°	7025.6	2946.8	362.0	348.3	380.4	435.4	485.8	453.7	421.6	444.5	426.2
75°	6063.2	2346.4	316.2	311.6	339.1	394.1	444.5	421.6	389.5	398.7	389.5
77.5°	4596.7	1938.6	270.4	265.8	288.7	352.9	398.7	380.4	348.3	343.7	343.7
80°	2053.1	953.2	224.6	224.6	238.3	302.5	339.1	330.0	297.9	293.3	288.7
82.5°	673.7	362.0	183.3	174.2	192.5	252.1	302.5	293.3	261.2	252.1	242.9
85°	270.4	174.2	132.9	132.9	151.2	210.8	270.4	252.1	210.8	187.9	187.9
87.5°	91.7	73.3	68.7	68.7	96.2	142.1	201.6	169.6	151.2	132.9	137.5
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)