

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: P670924

Luminaire Tested: **CCP-SA-2E-722-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670924
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4FT distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

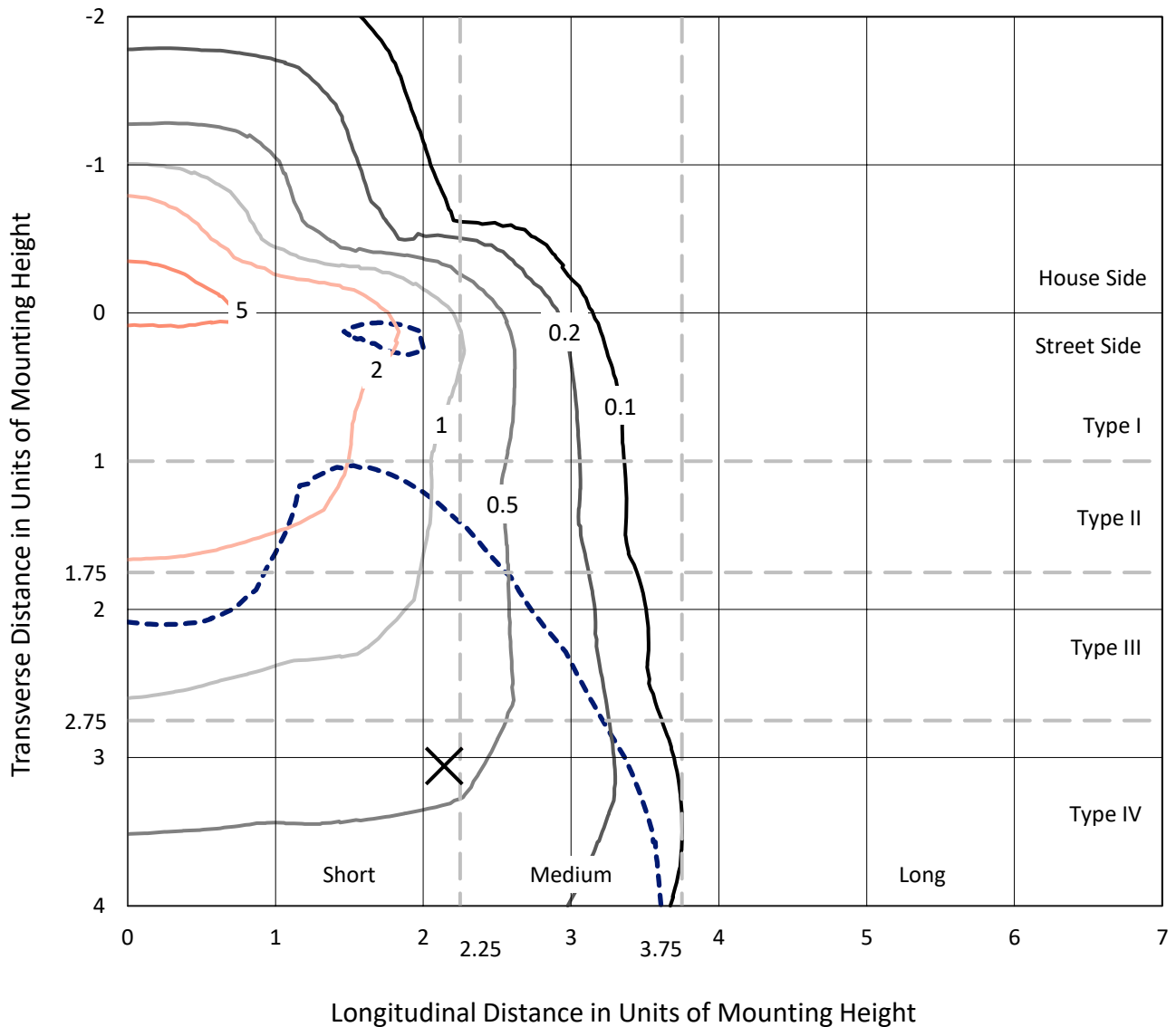
Lumens per Lamp: N/A
Luminaire Lumens: 10065.4 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 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

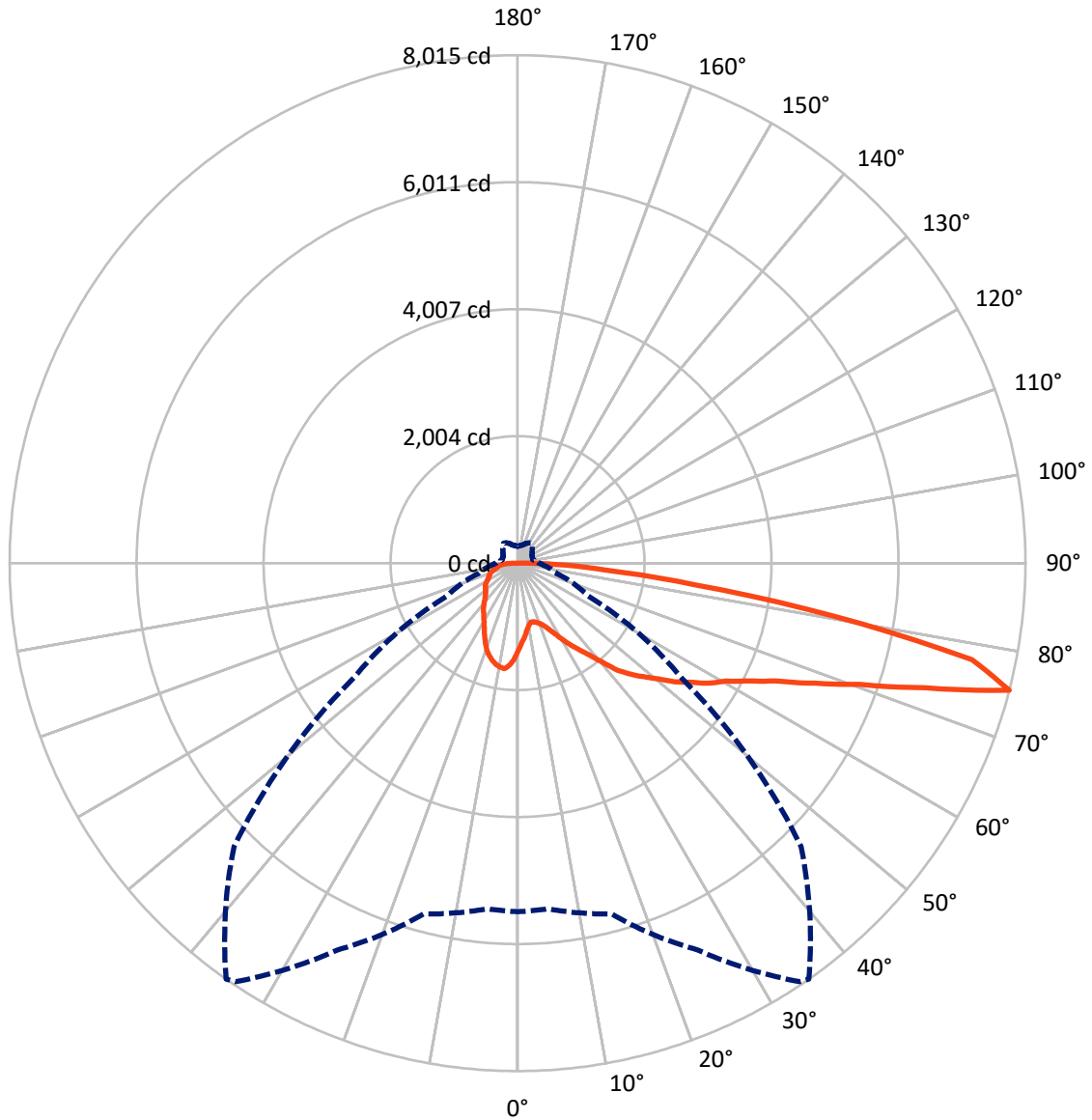
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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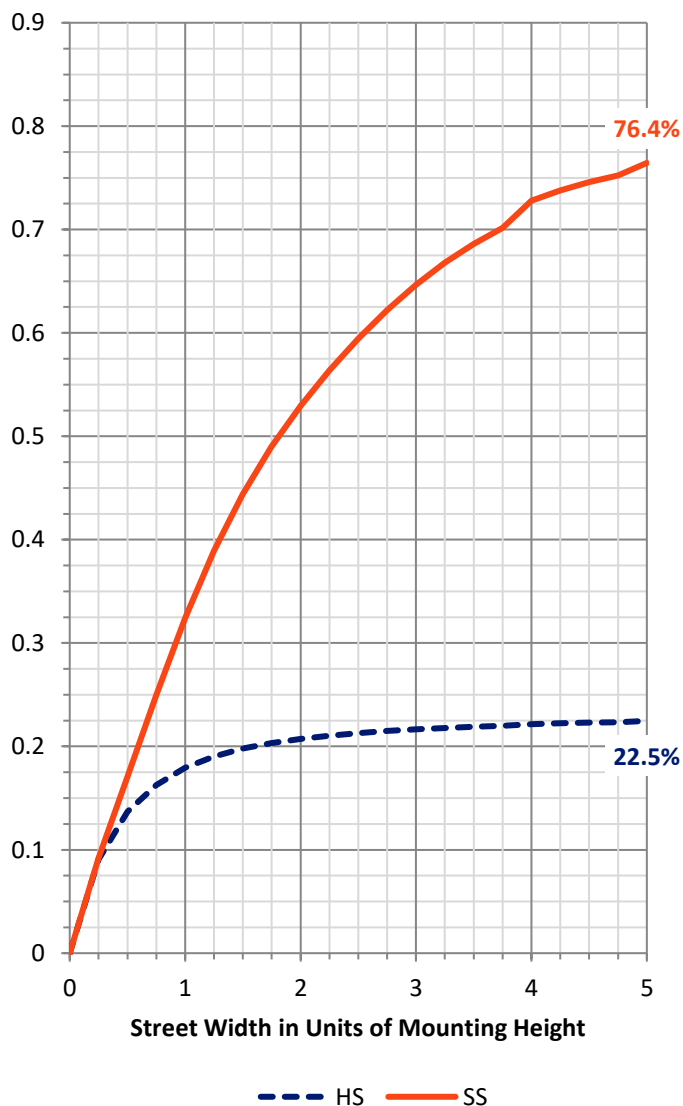
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2313.3	0.0	2313.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7752.1	0.0	7752.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	10065.4	0.0	10065.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	1.3
10°-20°	381.4	3.8
20°-30°	632.8	6.3
30°-40°	938.0	9.3
40°-50°	1352.5	13.4
50°-60°	1860.0	18.5
60°-70°	2297.4	22.8
70°-80°	2101.8	20.9
80°-90°	370.0	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°	10065.4	100.0
0°-180°	10065.4	100.0



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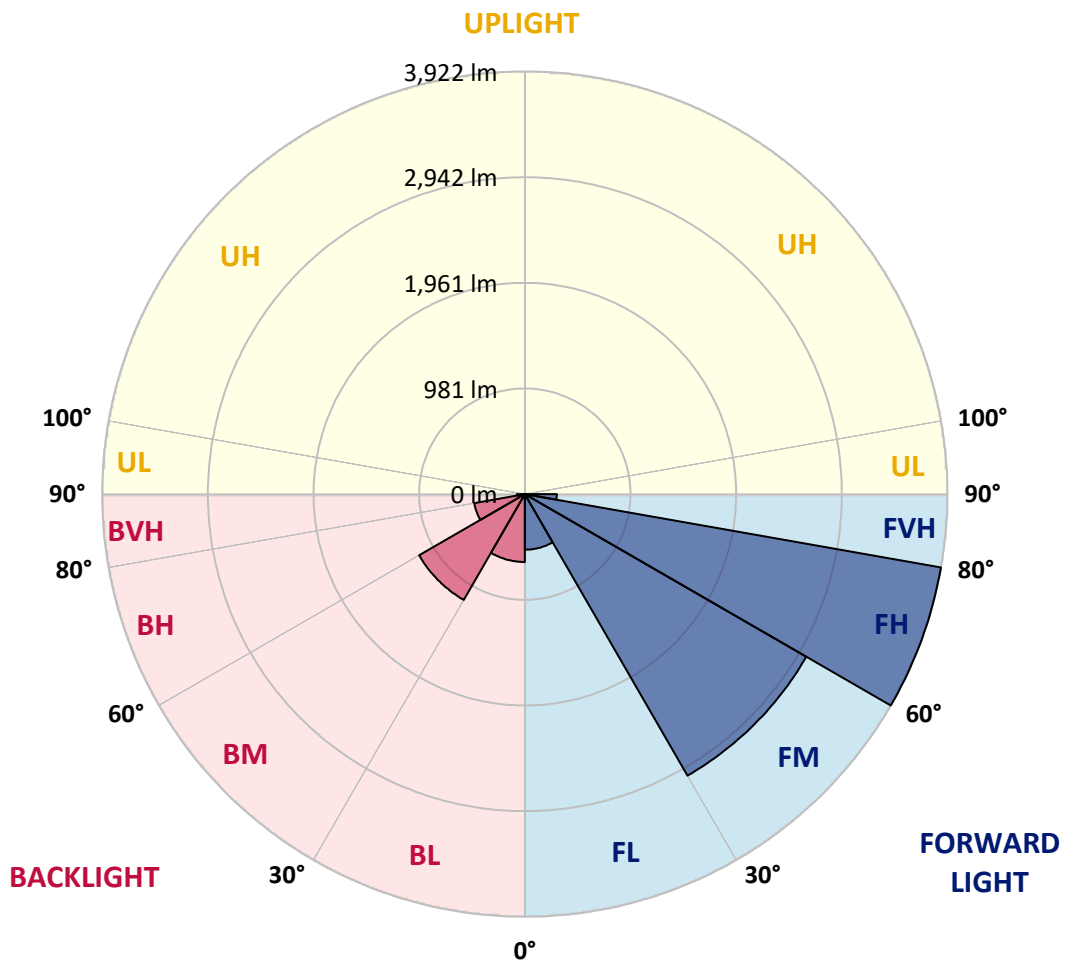
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	515.9	5.1			
FM (30°-60°)	3017.0	30.0			
FH (60°-80°)	3922.3	39.0			G2/5000
FVH (80°-90°)	296.9	3.0			G3/500
BL (0°-30°)	629.6	6.3	B2/1000		
BM (30°-60°)	1133.6	11.3	B2/2500		
BH (60°-80°)	477.0	4.7	B1/500		G1/500
BVH (80°-90°)	73.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0
2.5°	1249.3	1238.1	1249.3	1256.7	1256.7	1256.7	1267.8	1301.2	1323.4	1338.2	1364.2
5°	1119.5	1123.2	1130.6	1149.2	1160.3	1167.7	1186.2	1227.0	1260.4	1308.6	1364.2
7.5°	1004.6	1012.0	1023.1	1041.7	1067.6	1063.9	1104.7	1160.3	1223.3	1286.3	1367.9
10°	945.3	960.1	963.8	967.5	993.5	993.5	1049.1	1112.1	1190.0	1271.5	1367.9
12.5°	956.4	956.4	945.3	941.6	956.4	952.7	1000.9	1075.0	1160.3	1275.2	1382.7
15°	989.8	989.8	967.5	945.3	967.5	960.1	1000.9	1060.2	1160.3	1278.9	1412.4
17.5°	1034.3	1038.0	1012.0	974.9	982.4	986.1	1015.7	1071.3	1160.3	1286.3	1453.2
20°	1123.2	1104.7	1063.9	1004.6	1030.6	1019.4	1063.9	1112.1	1182.5	1316.0	1512.5
22.5°	1201.1	1201.1	1123.2	1071.3	1075.0	1075.0	1115.8	1156.6	1215.9	1356.8	1557.0
25°	1327.1	1319.7	1223.3	1145.5	1152.9	1156.6	1178.8	1227.0	1271.5	1379.0	1612.6
27.5°	1486.5	1468.0	1371.6	1282.6	1253.0	1264.1	1275.2	1312.3	1323.4	1416.1	1679.3
30°	1657.0	1631.1	1549.5	1408.7	1393.8	1397.5	1379.0	1401.3	1386.4	1475.4	1746.0
32.5°	1764.5	1764.5	1686.7	1582.9	1542.1	1542.1	1479.1	1493.9	1493.9	1531.0	1864.6
35°	1857.2	1849.8	1797.9	1720.1	1694.1	1679.3	1616.3	1638.5	1601.4	1638.5	2031.4
37.5°	1998.1	1975.8	1953.6	1901.7	1849.8	1838.7	1805.3	1820.1	1768.3	1749.7	2220.5
40°	2161.2	2150.1	2127.8	2105.6	2053.7	2050.0	2012.9	2027.7	1972.1	1901.7	2409.6
42.5°	2402.2	2368.8	2298.4	2279.8	2290.9	2305.8	2290.9	2265.0	2164.9	2075.9	2613.5
45°	2643.1	2591.2	2457.8	2428.1	2513.4	2502.2	2565.3	2554.1	2391.0	2250.2	2828.5
47.5°	2798.8	2754.3	2646.8	2628.3	2665.4	2680.2	2869.2	2835.9	2576.4	2409.6	3036.1
50°	2910.0	2913.7	2772.9	2821.0	2869.2	2869.2	3106.5	3102.8	2802.5	2606.0	3306.7
52.5°	3073.1	3021.2	2961.9	3006.4	3073.1	3110.2	3403.0	3321.5	2943.4	2772.9	3610.6
55°	3158.4	3136.1	3084.2	3162.1	3303.0	3321.5	3632.9	3569.9	3102.8	2969.3	3922.0
57.5°	3191.7	3210.3	3295.5	3328.9	3525.4	3573.6	3840.5	3751.5	3251.1	3214.0	4163.0
60°	3340.0	3314.1	3429.0	3562.5	3751.5	3777.5	4100.0	3907.2	3395.6	3373.4	4240.8
62.5°	3640.3	3573.6	3636.6	3796.0	4059.2	4092.6	4374.3	4114.8	3458.7	3480.9	4237.1
65°	4077.7	4029.5	3936.9	4062.9	4433.6	4481.8	4696.8	4292.7	3440.1	3443.8	3936.9
67.5°	4593.0	4515.2	4418.8	4496.6	4948.9	5060.1	5089.7	4370.6	3310.4	3236.2	3202.9
70°	5045.3	4993.4	4930.3	5063.8	5694.0	5734.8	5579.1	4322.4	2950.8	2598.6	2135.2
72.5°	5467.9	5441.9	5479.0	5979.4	6702.3	6728.2	6038.7	4018.4	2331.7	1575.5	993.5
75°	5501.2	5475.3	5731.1	6735.7	7966.4	8014.6	6324.2	3151.0	1230.7	641.3	418.9
77.5°	3725.6	3803.4	4281.6	5897.9	7317.7	7328.8	5171.3	1464.3	507.9	378.1	292.9
80°	915.6	1015.7	1612.6	3050.9	4934.0	5056.4	2832.2	493.0	333.6	289.1	218.7
82.5°	333.6	363.3	656.1	1379.0	2772.9	2821.0	989.8	266.9	241.0	222.4	159.4
85°	159.4	163.1	311.4	678.4	1401.3	1386.4	355.9	159.4	174.2	152.0	96.4
87.5°	66.7	66.7	137.2	315.1	619.1	600.5	114.9	74.1	100.1	89.0	48.2
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°	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0	1379.0
2.5°	1382.7	1390.1	1419.8	1442.0	1464.3	1482.8	1512.5	1512.5	1531.0	1531.0	1531.0
5°	1379.0	1419.8	1468.0	1519.9	1553.2	1586.6	1616.3	1620.0	1631.1	1645.9	1649.6
7.5°	1393.8	1434.6	1512.5	1586.6	1627.4	1642.2	1679.3	1668.2	1668.2	1668.2	1679.3
10°	1423.5	1468.0	1575.5	1642.2	1671.9	1675.6	1664.5	1657.0	1634.8	1627.4	1616.3
12.5°	1445.7	1523.6	1631.1	1683.0	1671.9	1660.7	1634.8	1597.7	1571.8	1564.4	1564.4
15°	1501.3	1579.2	1679.3	1697.8	1679.3	1620.0	1586.6	1545.8	1523.6	1490.2	1505.1
17.5°	1549.5	1638.5	1727.5	1705.2	1668.2	1575.5	1527.3	1468.0	1438.3	1401.3	1401.3
20°	1612.6	1694.1	1772.0	1712.6	1631.1	1531.0	1453.2	1379.0	1338.2	1301.2	1308.6
22.5°	1683.0	1757.1	1797.9	1683.0	1575.5	1460.6	1353.1	1282.6	1230.7	1208.5	1215.9
25°	1738.6	1820.1	1812.7	1634.8	1508.8	1371.6	1253.0	1186.2	1175.1	1152.9	1152.9
27.5°	1809.0	1894.3	1801.6	1575.5	1397.5	1230.7	1156.6	1130.6	1130.6	1119.5	1126.9
30°	1901.7	1961.0	1775.7	1490.2	1256.7	1104.7	1067.6	1082.5	1108.4	1097.3	1101.0
32.5°	2053.7	2046.3	1753.4	1393.8	1108.4	982.4	1008.3	1038.0	1060.2	1071.3	1078.7
35°	2202.0	2153.8	1727.5	1264.1	971.2	923.0	945.3	978.7	1019.4	1030.6	1034.3
37.5°	2350.3	2265.0	1683.0	1104.7	886.0	871.2	893.4	911.9	945.3	952.7	960.1
40°	2505.9	2339.1	1605.1	949.0	815.5	815.5	830.4	834.1	852.6	863.7	871.2
42.5°	2643.1	2409.6	1464.3	804.4	741.4	767.4	771.1	763.6	748.8	756.2	759.9
45°	2809.9	2487.4	1301.2	700.6	685.8	719.2	726.6	696.9	671.0	656.1	648.7
47.5°	2973.0	2569.0	1160.3	615.4	633.9	685.8	685.8	652.4	608.0	570.9	556.1
50°	3121.3	2650.5	1045.4	563.5	582.0	659.9	667.3	604.2	556.1	511.6	504.2
52.5°	3369.7	2787.7	926.8	522.7	552.3	641.3	637.6	582.0	519.0	470.8	467.1
55°	3588.4	2924.8	771.1	481.9	522.7	615.4	626.5	559.8	474.5	430.0	422.6
57.5°	3747.8	2958.2	615.4	441.1	493.0	585.7	600.5	515.3	444.8	407.8	404.1
60°	3777.5	2828.5	500.4	407.8	452.3	544.9	556.1	489.3	422.6	392.9	385.5
62.5°	3640.3	2580.1	426.3	378.1	418.9	504.2	526.4	459.7	400.4	374.4	370.7
65°	3328.9	2216.8	374.4	352.2	396.7	474.5	500.4	437.4	381.8	359.6	355.9
67.5°	2635.7	1701.5	333.6	333.6	367.0	444.8	481.9	422.6	363.3	348.5	344.8
70°	1723.8	1023.1	304.0	307.7	344.8	418.9	459.7	404.1	341.0	337.3	329.9
72.5°	741.4	470.8	270.6	281.7	311.4	374.4	426.3	378.1	315.1	304.0	292.9
75°	341.0	285.4	244.7	252.1	278.0	329.9	385.5	348.5	292.9	274.3	263.2
77.5°	241.0	207.6	203.9	218.7	237.2	285.4	341.0	326.2	270.6	255.8	248.4
80°	177.9	159.4	170.5	185.4	196.5	263.2	322.5	300.3	248.4	226.1	215.0
82.5°	126.0	118.6	133.5	148.3	159.4	229.8	296.6	263.2	207.6	189.1	170.5
85°	74.1	77.8	92.7	100.1	111.2	170.5	248.4	211.3	159.4	122.3	118.6
87.5°	33.4	33.4	44.5	48.2	55.6	100.1	166.8	133.5	100.1	77.8	74.1
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)