

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: P672273

Luminaire Tested: **CCP-SA-2C-750-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672273  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-750-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

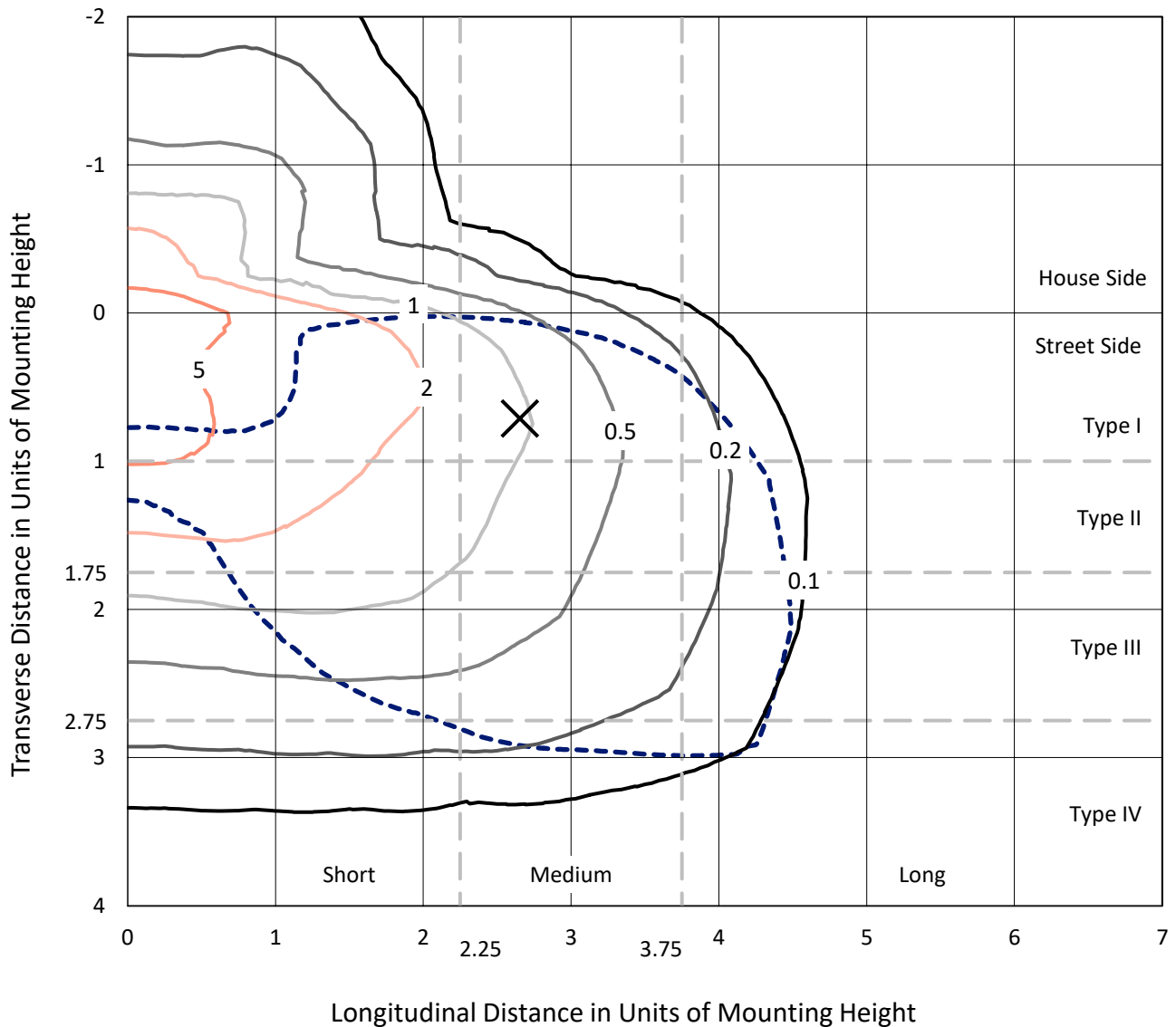
Lumens per Lamp: N/A  
Luminaire Lumens: 9400 lumens  
Efficiency: N/A  
Efficacy: 151.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

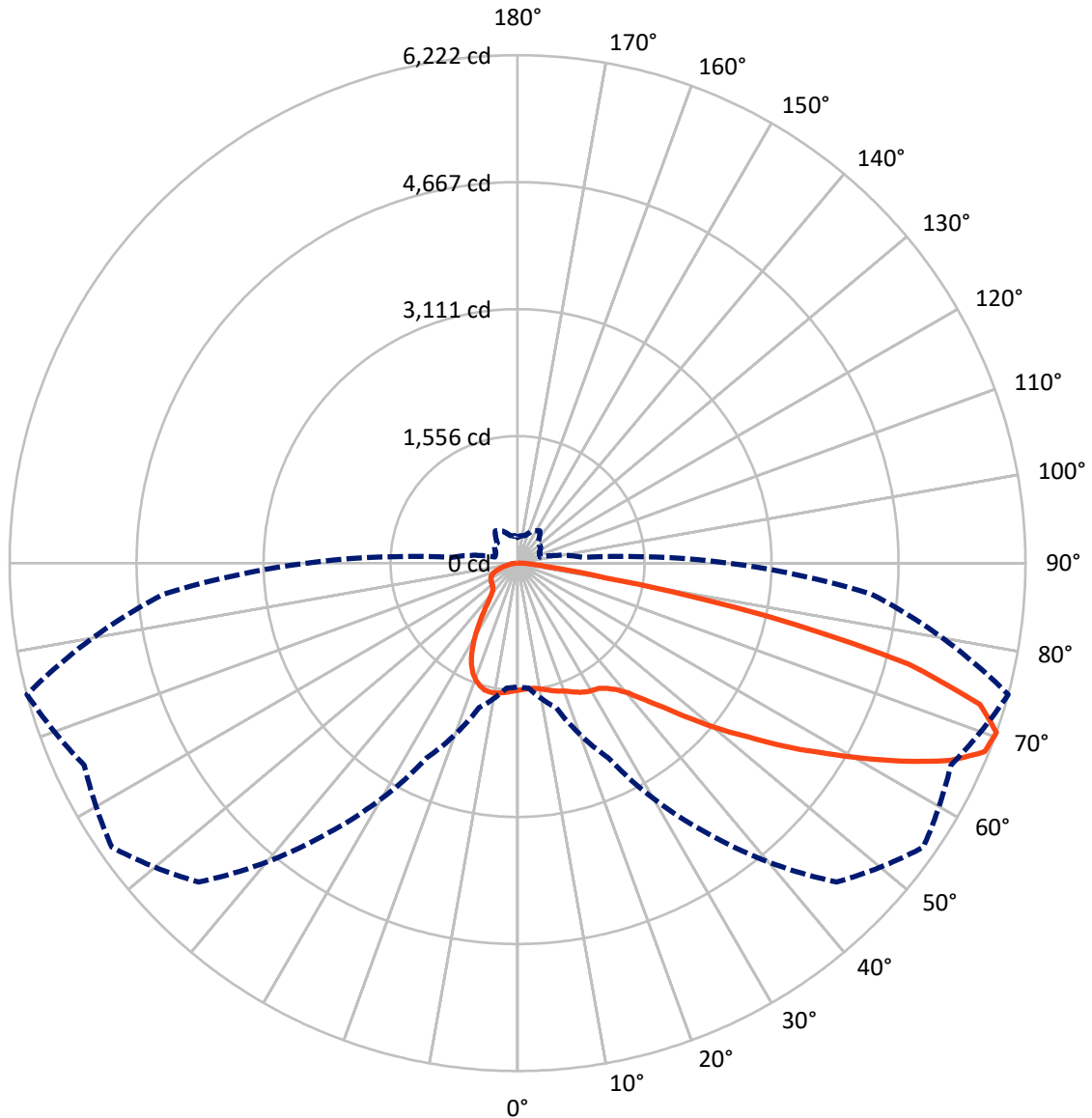
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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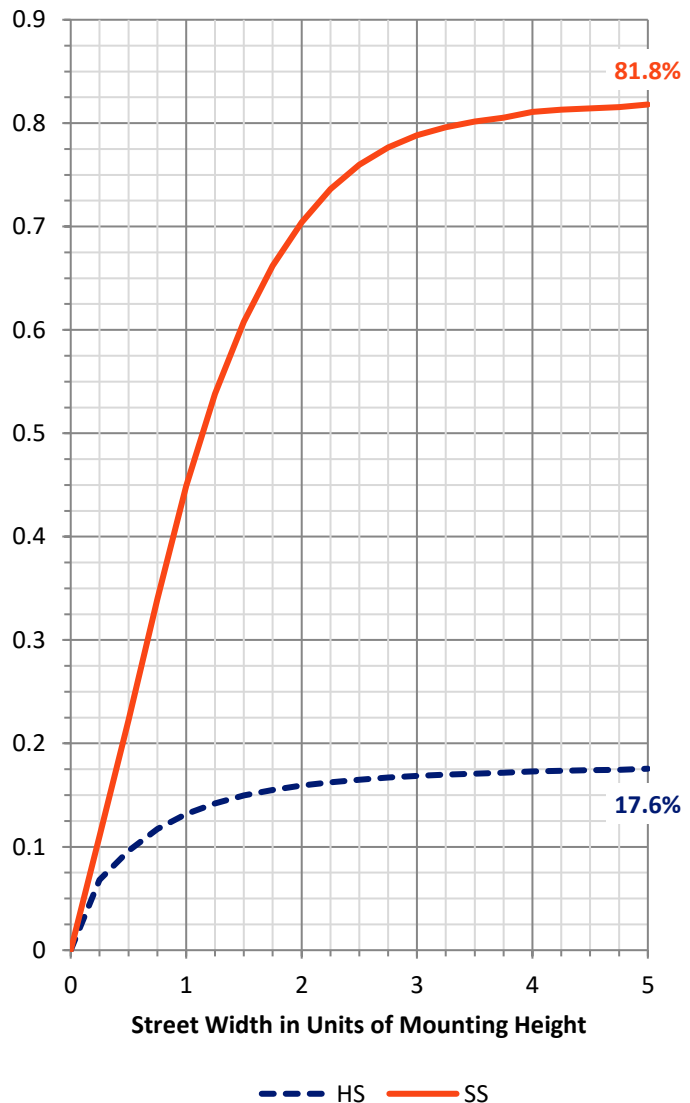
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1672.4	0.0	1672.4
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	7727.6	0.0	7727.6
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	9400.0	0.0	9400.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.8	1.5
10°-20°	373.3	4.0
20°-30°	628.9	6.7
30°-40°	955.2	10.2
40°-50°	1368.5	14.6
50°-60°	1814.4	19.3
60°-70°	2270.6	24.2
70°-80°	1658.1	17.6
80°-90°	191.2	2.0
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°	9400.0	100.0
0°-180°	9400.0	100.0



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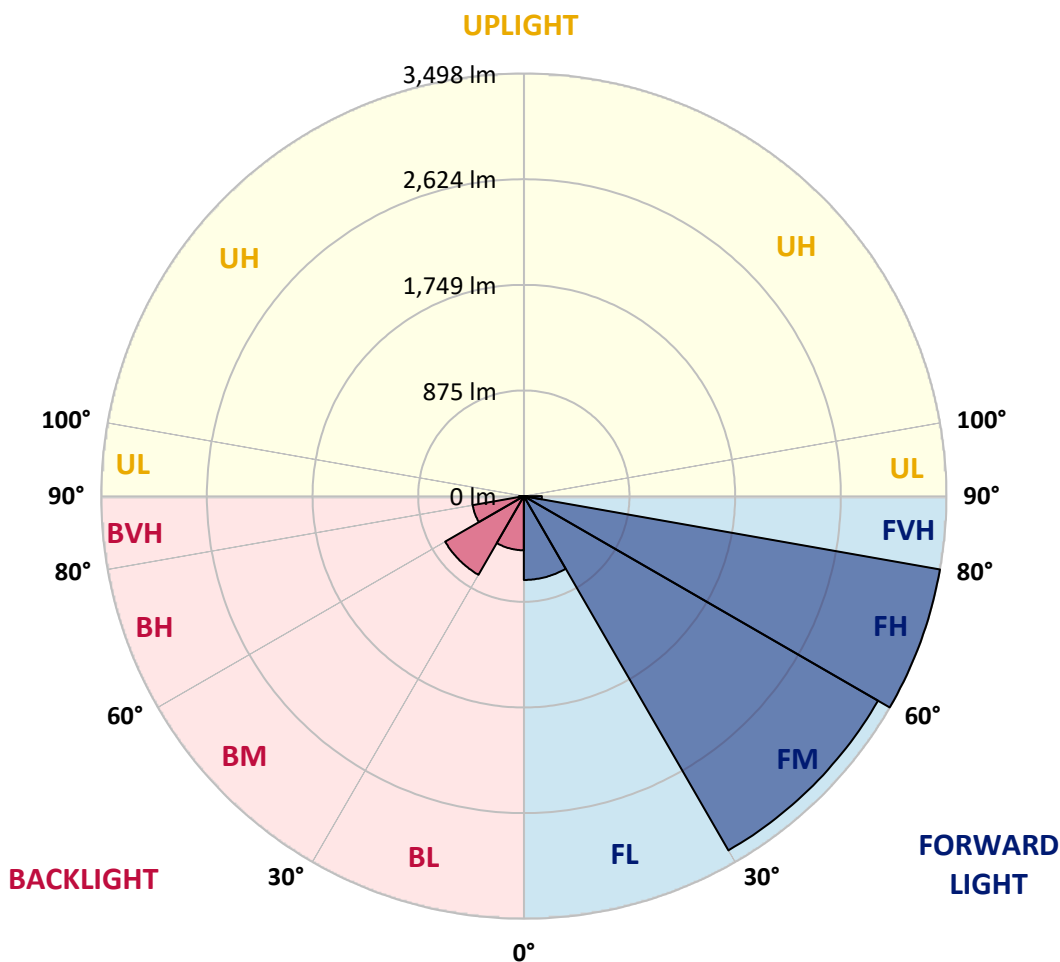
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.8	7.4			
FM (30°-60°)	3386.2	36.0			
FH (60°-80°)	3498.5	37.2			G2/5000
FVH (80°-90°)	149.2	1.6			G2/225
BL (0°-30°)	448.3	4.8	B1/500		
BM (30°-60°)	751.9	8.0	B1/1000		
BH (60°-80°)	430.2	4.6	B1/500		G1/500
BVH (80°-90°)	42.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1
2.5°	1471.8	1480.0	1487.4	1494.8	1500.9	1517.2	1520.5	1538.1	1542.9	1546.9	1552.3
5°	1389.3	1395.4	1402.8	1415.0	1427.9	1457.0	1477.3	1515.8	1537.5	1544.2	1563.2
7.5°	1344.7	1346.7	1356.9	1367.0	1381.9	1410.3	1438.0	1498.2	1541.5	1549.0	1589.5
10°	1312.2	1314.9	1324.4	1338.6	1353.5	1379.9	1414.3	1486.0	1556.4	1567.9	1625.4
12.5°	1300.7	1299.4	1310.2	1319.7	1340.6	1373.8	1409.6	1486.7	1576.7	1592.9	1677.5
15°	1346.7	1337.9	1344.7	1341.3	1348.1	1380.5	1423.1	1501.6	1601.7	1622.0	1731.6
17.5°	1448.2	1440.7	1436.0	1406.9	1388.0	1406.2	1446.8	1522.6	1628.1	1649.7	1780.3
20°	1599.7	1578.7	1561.1	1512.4	1459.7	1453.6	1482.0	1543.5	1653.1	1674.1	1831.7
22.5°	1772.2	1755.3	1726.8	1641.6	1559.8	1519.2	1526.6	1582.1	1689.6	1712.6	1890.5
25°	1990.0	1989.3	1931.1	1816.1	1692.3	1610.5	1594.9	1643.6	1730.9	1753.2	1939.2
27.5°	2238.2	2221.3	2152.3	2004.2	1848.6	1723.5	1686.9	1706.6	1764.0	1787.0	1978.5
30°	2450.6	2452.6	2382.3	2220.6	2015.0	1833.7	1764.7	1751.9	1785.7	1808.7	2015.0
32.5°	2677.9	2666.4	2602.1	2435.7	2194.9	1952.1	1814.8	1784.3	1808.0	1829.7	2065.7
35°	2891.6	2878.7	2823.3	2644.0	2393.1	2082.6	1882.4	1835.1	1860.8	1884.4	2127.9
37.5°	3095.2	3097.2	3034.3	2863.2	2585.2	2236.8	1982.5	1911.5	1939.2	1965.6	2222.6
40°	3273.1	3262.9	3214.2	3060.0	2784.7	2393.8	2095.5	2015.7	2069.8	2094.1	2342.4
42.5°	3329.9	3329.2	3348.2	3253.5	2994.4	2580.5	2236.2	2178.0	2254.4	2291.0	2489.1
45°	3280.5	3295.4	3405.0	3402.3	3204.1	2794.9	2428.3	2375.5	2485.8	2527.0	2668.4
47.5°	3231.8	3254.1	3403.0	3487.5	3392.1	3030.9	2664.3	2625.1	2783.4	2842.9	2854.4
50°	3160.8	3181.8	3359.0	3499.7	3507.1	3269.7	2970.1	2920.7	3124.3	3185.2	3056.6
52.5°	3081.7	3097.9	3281.2	3490.9	3561.9	3456.4	3269.7	3255.5	3489.5	3538.9	3262.3
55°	2644.7	2713.7	3166.9	3471.9	3599.8	3599.1	3561.2	3607.9	3887.9	3961.7	3491.6
57.5°	2393.8	2430.3	2844.9	3461.1	3670.8	3731.0	3862.2	3962.3	4313.4	4379.7	3744.5
60°	2311.9	2344.4	2683.3	3448.3	3812.2	3937.3	4156.5	4318.8	4770.6	4851.8	4027.3
62.5°	2237.5	2276.8	2617.7	3346.1	3983.3	4264.0	4507.5	4704.3	5252.9	5349.0	4308.7
65°	2086.0	2113.7	2497.3	3260.2	4145.6	4730.0	5014.1	5129.1	5720.3	5828.5	4495.3
67.5°	1824.2	1850.6	2226.0	3062.7	4251.2	5215.0	5568.1	5568.8	6081.5	6170.1	4534.6
70°	1516.5	1536.8	1835.1	2632.5	4031.3	5526.2	6068.0	5856.3	6183.6	6222.2	4347.9
72.5°	1084.3	1101.9	1344.0	1946.0	3305.6	5273.9	6181.6	5844.1	5936.1	5923.9	3816.9
75°	668.3	702.1	823.2	1187.8	2054.2	4149.7	5563.4	5295.5	4984.4	4950.6	2874.0
77.5°	435.6	453.2	556.7	700.7	906.4	2382.3	4225.5	3970.5	3147.3	3108.0	1544.9
80°	261.8	290.9	364.6	440.3	410.6	911.1	2412.7	1972.4	1112.0	1099.8	474.8
82.5°	140.7	167.1	257.0	272.6	230.7	322.0	873.9	641.2	355.8	351.7	177.9
85°	111.6	124.5	184.7	172.5	130.5	163.0	340.9	267.2	182.6	178.6	67.0
87.5°	67.6	85.2	140.0	116.3	64.9	58.8	156.2	126.5	85.9	79.8	26.4
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°	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1
2.5°	1562.5	1565.9	1569.2	1562.5	1565.2	1561.8	1561.8	1561.8	1553.0	1550.3	1558.4
5°	1577.4	1582.1	1584.8	1563.8	1551.0	1532.0	1516.5	1492.8	1479.3	1470.5	1470.5
7.5°	1607.8	1613.2	1601.0	1554.4	1509.0	1458.3	1406.2	1362.9	1331.8	1318.3	1322.4
10°	1652.4	1654.5	1613.9	1528.0	1431.3	1337.2	1263.5	1206.0	1167.5	1147.8	1145.1
12.5°	1704.5	1695.7	1616.6	1469.8	1326.4	1199.9	1110.0	1035.6	986.2	967.2	957.8
15°	1755.9	1735.0	1606.4	1400.1	1207.4	1055.2	940.2	869.8	839.4	830.6	827.2
17.5°	1801.9	1762.7	1572.6	1300.0	1069.4	886.1	801.5	776.5	779.9	788.0	791.4
20°	1843.9	1783.7	1523.9	1181.0	896.9	754.2	733.2	756.2	775.2	787.3	789.4
22.5°	1889.9	1804.0	1456.3	1036.2	755.5	693.3	718.3	744.7	763.7	775.8	777.9
25°	1925.0	1803.3	1360.9	864.4	666.3	677.1	706.8	730.5	744.7	753.5	752.8
27.5°	1947.3	1787.0	1235.8	723.1	631.1	665.6	694.0	709.5	717.7	724.4	723.7
30°	1954.1	1755.9	1078.2	618.9	614.8	654.8	676.4	685.9	692.0	698.7	698.7
32.5°	1967.6	1707.9	904.3	560.7	602.7	643.9	656.8	664.2	659.5	642.6	639.2
35°	1982.5	1654.5	740.0	533.7	591.2	636.5	648.7	629.0	577.6	570.9	568.2
37.5°	2011.6	1605.1	600.6	514.7	588.5	640.5	650.7	572.2	528.9	508.0	504.6
40°	2061.0	1555.7	507.3	501.2	591.8	658.1	623.6	545.2	473.5	433.6	426.8
42.5°	2125.9	1495.5	454.5	494.4	601.3	686.5	614.2	506.6	428.2	401.1	397.0
45°	2201.0	1415.7	429.5	493.1	612.8	700.7	616.9	475.5	407.9	386.9	385.5
47.5°	2278.8	1337.2	418.7	491.7	627.0	694.7	579.7	466.0	399.8	393.7	397.7
50°	2362.7	1248.0	409.9	488.4	638.5	694.7	559.4	464.0	402.5	416.0	429.5
52.5°	2441.1	1172.9	399.8	478.2	643.3	682.5	553.3	471.4	406.5	403.1	407.2
55°	2536.5	1134.3	394.3	464.0	634.5	645.3	545.9	491.7	409.9	382.2	382.2
57.5°	2645.4	1126.2	386.2	445.1	606.1	593.9	545.2	503.9	401.1	375.4	370.7
60°	2776.6	1143.8	376.1	421.4	571.6	554.0	540.4	503.9	386.9	363.9	365.9
62.5°	2882.8	1141.8	370.0	400.4	525.6	512.7	531.6	497.2	381.5	362.5	361.9
65°	2907.8	1098.5	352.4	373.4	468.7	462.7	522.2	480.2	374.0	355.1	349.7
67.5°	2823.3	1000.4	326.0	337.5	408.5	409.2	505.3	457.9	363.9	351.1	342.3
70°	2583.2	809.0	286.8	294.2	343.6	352.4	480.2	431.5	347.0	333.5	312.5
72.5°	2161.8	581.7	241.5	243.5	273.3	296.3	437.0	395.7	322.0	290.2	267.9
75°	1600.4	386.2	196.8	194.1	204.9	240.8	373.4	355.8	289.5	240.8	229.3
77.5°	846.2	228.6	151.5	152.2	145.4	184.7	296.3	309.1	257.0	202.9	191.4
80°	289.5	137.3	108.9	113.6	102.8	131.9	219.8	257.0	219.8	169.1	149.5
82.5°	132.6	83.9	77.8	81.2	73.7	89.3	150.8	194.8	175.2	123.1	99.4
85°	67.0	50.1	50.1	54.8	48.7	46.0	83.2	129.2	128.5	84.5	73.1
87.5°	27.7	24.4	23.0	26.4	23.0	17.6	23.7	46.7	67.6	50.7	32.5
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)