

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: P671553

Luminaire Tested: **CCP-SA-2C-750-U-SL4**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671553  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-750-U-SL4  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL4 distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

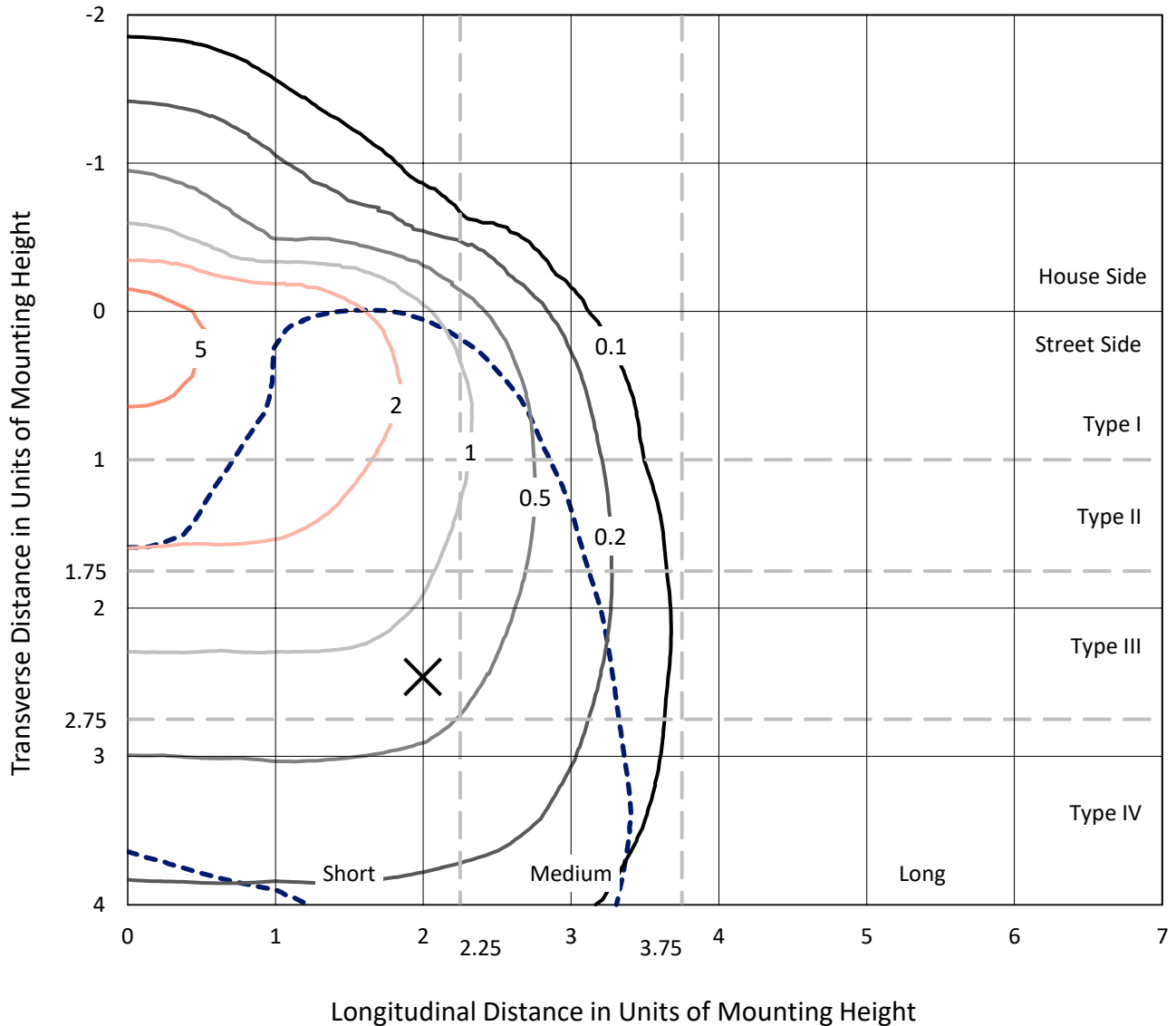
Lumens per Lamp: N/A  
Luminaire Lumens: 9062.9 lumens  
Efficiency: N/A  
Efficacy: 145.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 62.1  
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

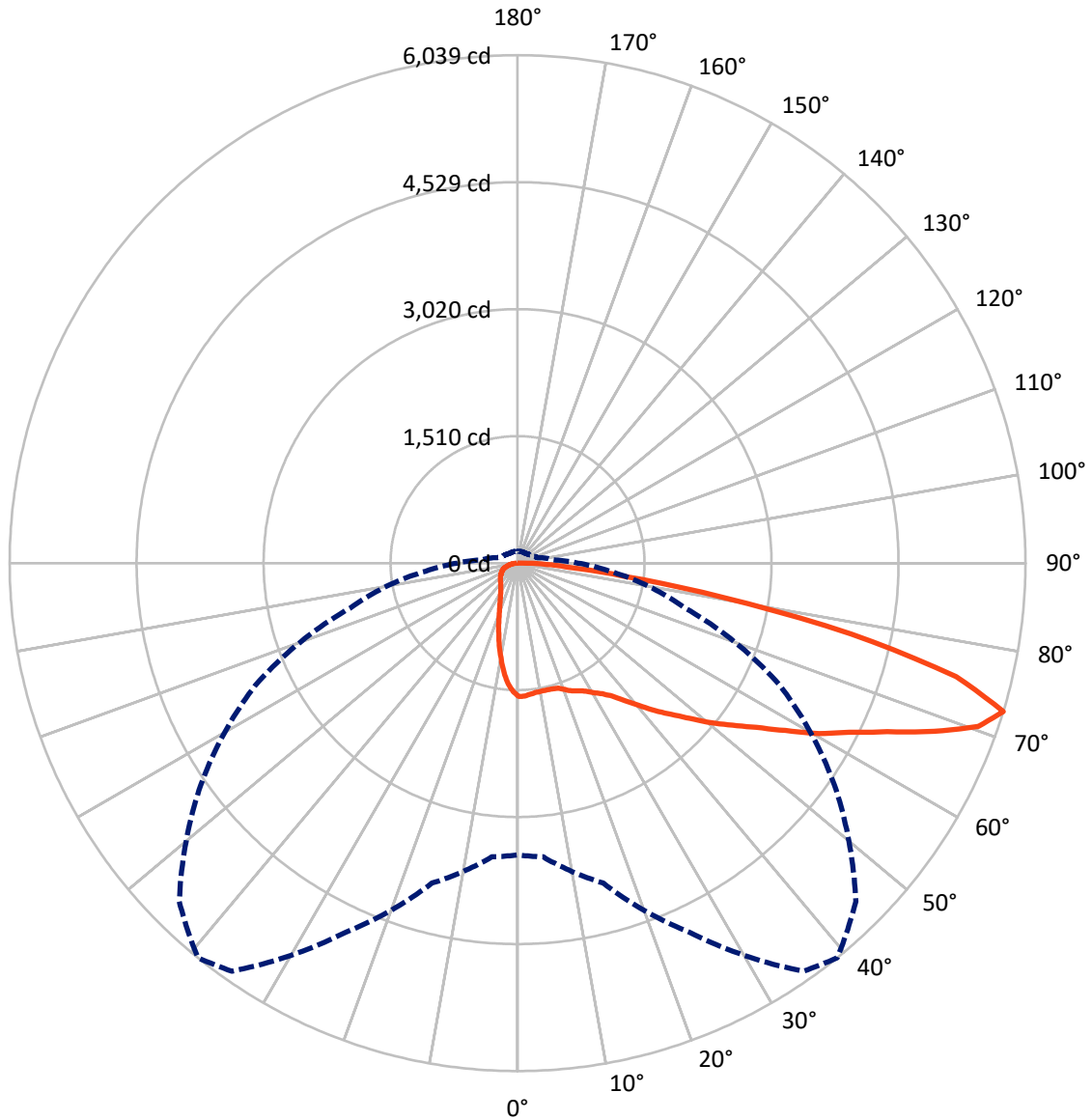
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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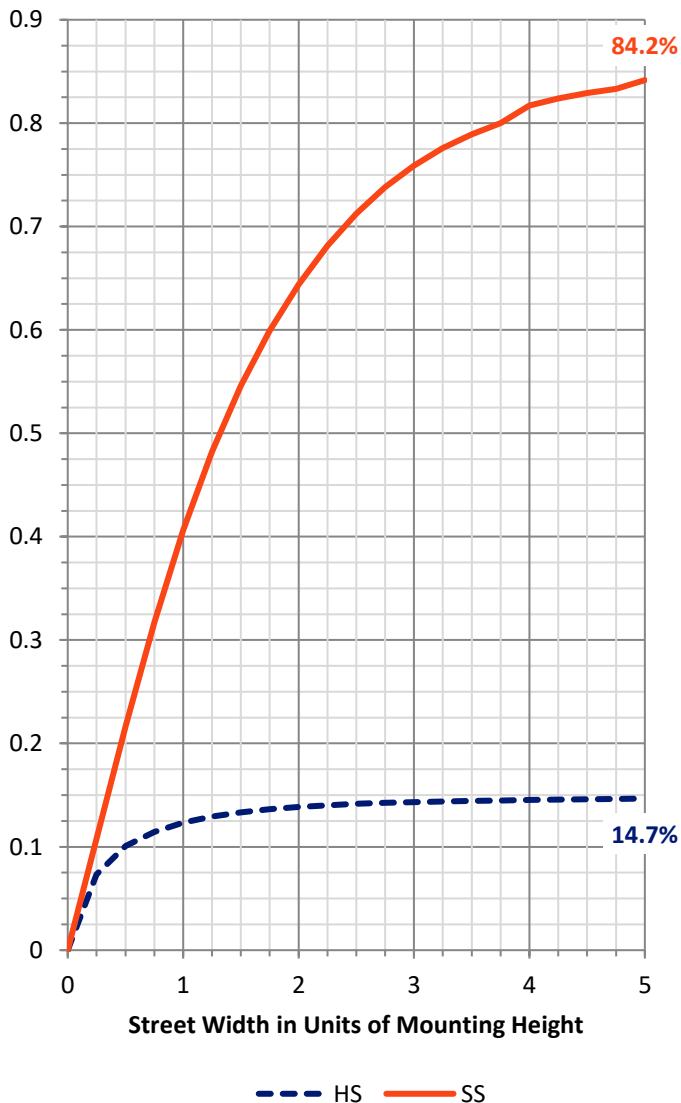
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1346.9	0.0	1346.9
	% Fixture	14.9	0.0	14.9
<b>Street Side</b>	Lumens	7715.9	0.0	7715.9
	% Fixture	85.1	0.0	85.1
<b>Total</b>	Lumens	9062.9	0.0	9062.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.2	1.5
10°-20°	357.8	3.9
20°-30°	545.1	6.0
30°-40°	797.3	8.8
40°-50°	1220.7	13.5
50°-60°	1790.4	19.8
60°-70°	2283.4	25.2
70°-80°	1649.8	18.2
80°-90°	278.3	3.1
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°	9062.9	100.0
0°-180°	9062.9	100.0



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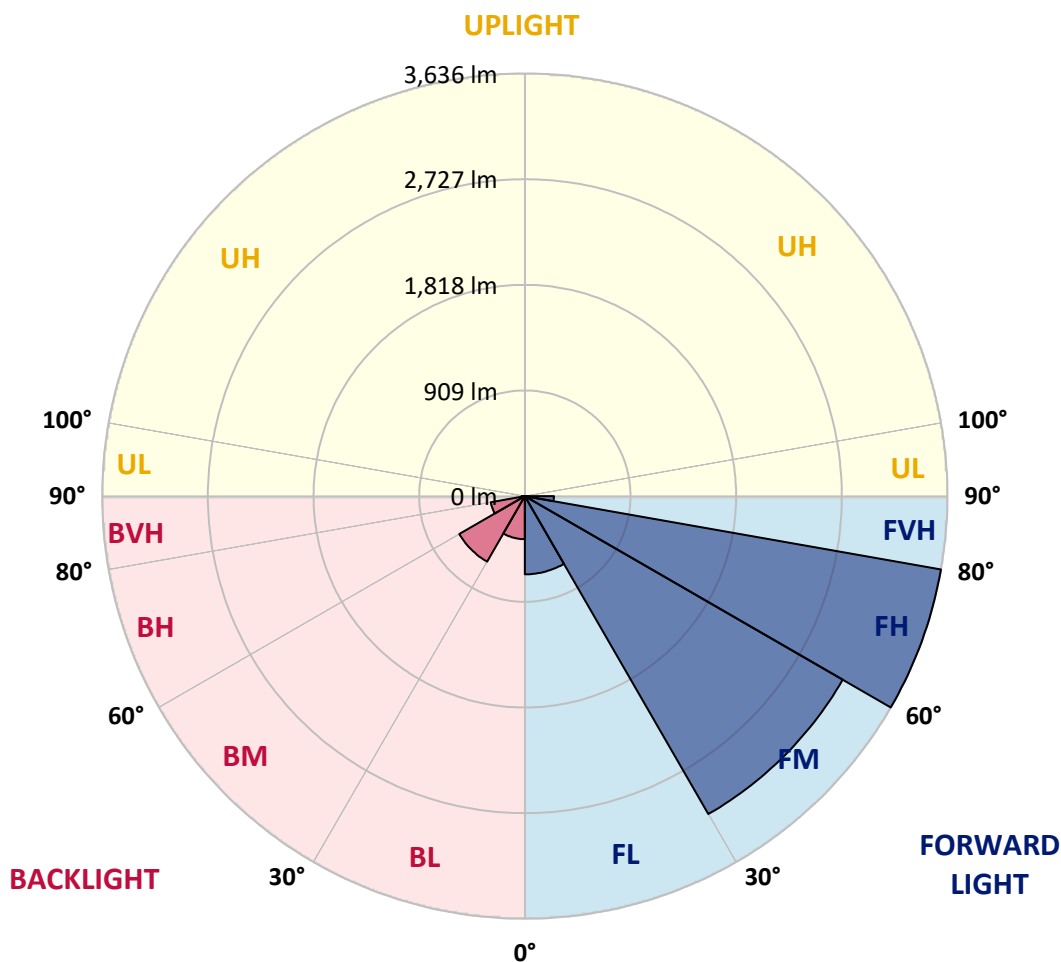
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	672.6	7.4			
FM (30°-60°)	3157.7	34.8			
FH (60°-80°)	3635.5	40.1			G2/5000
FVH (80°-90°)	250.1	2.8			G3/500
BL (0°-30°)	370.4	4.1	B1/500		
BM (30°-60°)	650.7	7.2	B1/1000		
BH (60°-80°)	297.6	3.3	B1/500		G1/500
BVH (80°-90°)	28.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4
2.5°	1610.2	1613.6	1606.8	1600.0	1596.6	1583.0	1596.6	1589.8	1583.0	1583.0	1583.0
5°	1589.8	1593.2	1593.2	1586.4	1589.8	1566.0	1562.6	1566.0	1555.8	1549.0	1545.6
7.5°	1559.2	1566.0	1579.6	1576.2	1562.6	1552.4	1555.8	1552.4	1535.3	1525.1	1497.9
10°	1535.3	1542.1	1549.0	1555.8	1552.4	1549.0	1545.6	1531.9	1528.5	1504.7	1477.5
12.5°	1511.5	1511.5	1514.9	1542.1	1545.6	1545.6	1525.1	1525.1	1514.9	1511.5	1470.7
15°	1487.7	1497.9	1525.1	1531.9	1545.6	1552.4	1542.1	1542.1	1525.1	1501.3	1470.7
17.5°	1494.5	1511.5	1538.7	1555.8	1562.6	1562.6	1576.2	1566.0	1542.1	1528.5	1497.9
20°	1528.5	1531.9	1566.0	1596.6	1603.4	1603.4	1589.8	1579.6	1562.6	1538.7	1497.9
22.5°	1549.0	1572.8	1613.6	1630.7	1651.1	1651.1	1634.1	1610.2	1586.4	1562.6	1518.3
25°	1637.5	1640.9	1657.9	1685.1	1695.3	1681.7	1664.7	1637.5	1606.8	1583.0	1542.1
27.5°	1698.7	1715.8	1736.2	1749.8	1732.8	1722.6	1709.0	1678.3	1654.5	1634.1	1576.2
30°	1811.1	1790.7	1804.3	1811.1	1780.4	1787.3	1749.8	1722.6	1695.3	1695.3	1630.7
32.5°	1879.2	1896.2	1882.6	1879.2	1855.3	1851.9	1828.1	1797.5	1780.4	1800.9	1712.4
35°	1998.3	1988.1	1988.1	1984.7	1957.5	1940.5	1940.5	1886.0	1903.0	1947.3	1838.3
37.5°	2059.6	2056.2	2076.6	2093.6	2066.4	2076.6	2066.4	2042.6	2049.4	2127.7	1994.9
40°	2120.9	2144.7	2185.6	2192.4	2209.4	2223.0	2216.2	2212.8	2240.0	2366.0	2206.0
42.5°	2178.8	2199.2	2260.5	2314.9	2355.8	2400.0	2403.4	2403.4	2491.9	2672.4	2461.3
45°	2253.6	2270.7	2355.8	2464.7	2532.8	2563.4	2590.7	2621.3	2740.5	2954.9	2733.7
47.5°	2355.8	2369.4	2471.5	2607.7	2740.5	2757.5	2812.0	2846.0	3026.4	3244.3	3012.8
50°	2502.2	2491.9	2573.6	2771.1	2900.5	2982.2	3060.5	3121.7	3298.8	3537.1	3230.7
52.5°	2621.3	2621.3	2682.6	2944.7	3121.7	3200.0	3281.7	3366.9	3571.1	3829.8	3407.7
55°	2825.6	2805.1	2842.6	3114.9	3370.3	3445.2	3601.7	3673.2	3870.7	4047.7	3557.5
57.5°	2965.1	2975.4	3019.6	3339.6	3663.0	3754.9	3911.5	3962.6	4136.2	4275.8	3666.4
60°	3149.0	3114.9	3210.3	3588.1	3986.4	4115.8	4245.2	4275.8	4405.2	4422.2	3717.5
62.5°	3326.0	3319.2	3400.9	3836.6	4333.7	4425.6	4558.4	4592.4	4646.9	4537.9	3646.0
65°	3434.9	3479.2	3632.4	4109.0	4728.6	4830.7	4963.5	4895.4	4834.1	4435.8	3295.4
67.5°	3584.7	3605.2	3840.0	4405.2	5184.7	5337.9	5453.7	5184.7	4728.6	4017.1	2774.5
70°	3618.8	3673.2	3979.6	4715.0	5654.5	5811.1	5817.9	5086.0	4343.9	3268.1	2011.9
72.5°	3469.0	3506.4	3938.8	4844.3	5923.5	6039.2	5688.6	4599.2	3441.7	2059.6	1096.2
75°	2917.5	3023.0	3428.1	4446.0	5429.9	5385.6	4820.5	3509.8	2066.4	912.4	463.0
77.5°	2032.4	2035.8	2457.9	3234.1	4064.7	4054.5	3438.3	2035.8	885.1	367.7	272.3
80°	902.1	966.8	1222.1	1743.0	2468.1	2468.1	2005.1	1011.1	442.6	238.3	187.2
82.5°	531.1	551.5	653.6	813.6	1201.7	1266.4	960.0	674.1	303.0	149.8	115.7
85°	391.5	425.5	486.8	490.2	568.5	578.7	531.1	585.5	207.7	81.7	95.3
87.5°	292.8	313.2	388.1	323.4	303.0	286.0	326.8	599.2	78.3	40.9	30.6
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°	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4	1586.4
2.5°	1569.4	1569.4	1562.6	1549.0	1549.0	1521.7	1528.5	1535.3	1518.3	1518.3	1521.7
5°	1545.6	1531.9	1514.9	1494.5	1480.9	1443.4	1436.6	1412.8	1409.4	1402.6	1392.4
7.5°	1497.9	1477.5	1446.8	1416.2	1371.9	1337.9	1297.0	1263.0	1249.4	1239.2	1235.8
10°	1453.6	1450.2	1399.2	1337.9	1269.8	1205.1	1143.8	1099.6	1072.4	1055.3	1051.9
12.5°	1453.6	1426.4	1354.9	1269.8	1171.1	1075.8	997.5	936.2	898.7	871.5	861.3
15°	1446.8	1419.6	1324.3	1194.9	1082.6	953.2	844.3	779.6	725.1	697.9	701.3
17.5°	1453.6	1412.8	1280.0	1140.4	983.8	844.3	714.9	636.6	582.1	561.7	558.3
20°	1457.0	1406.0	1246.0	1065.5	881.7	725.1	602.6	527.7	486.8	473.2	473.2
22.5°	1450.2	1385.5	1194.9	977.0	793.2	626.4	524.3	459.6	432.3	415.3	422.1
25°	1480.9	1382.1	1147.2	902.1	691.1	544.7	466.4	418.7	401.7	391.5	394.9
27.5°	1487.7	1382.1	1109.8	817.0	602.6	483.4	422.1	391.5	377.9	371.1	367.7
30°	1514.9	1389.0	1065.5	731.9	531.1	435.8	388.1	371.1	360.9	357.5	357.5
32.5°	1589.8	1409.4	1017.9	660.4	469.8	394.9	364.3	350.6	343.8	340.4	343.8
35°	1678.3	1463.8	966.8	585.5	425.5	367.7	343.8	333.6	330.2	330.2	330.2
37.5°	1814.5	1545.6	922.6	524.3	388.1	340.4	323.4	320.0	316.6	320.0	320.0
40°	1971.1	1634.1	881.7	476.6	360.9	323.4	306.4	306.4	303.0	306.4	309.8
42.5°	2151.5	1743.0	840.9	428.9	337.0	309.8	296.2	292.8	289.4	296.2	299.6
45°	2400.0	1892.8	813.6	401.7	320.0	296.2	282.6	282.6	279.2	279.2	286.0
47.5°	2607.7	2035.8	813.6	374.5	309.8	286.0	272.3	272.3	265.5	268.9	268.9
50°	2781.3	2158.3	830.6	367.7	296.2	275.7	265.5	258.7	255.3	255.3	255.3
52.5°	2897.1	2233.2	844.3	360.9	289.4	262.1	255.3	251.9	245.1	241.7	245.1
55°	3012.8	2284.3	847.7	360.9	279.2	248.5	241.7	241.7	234.9	231.5	231.5
57.5°	3057.1	2263.9	800.0	354.0	272.3	238.3	231.5	228.1	224.7	221.3	221.3
60°	3036.6	2189.0	694.5	337.0	265.5	231.5	217.9	217.9	217.9	211.1	214.5
62.5°	2897.1	1933.6	558.3	309.8	255.3	217.9	204.3	211.1	211.1	207.7	207.7
65°	2529.4	1596.6	452.8	286.0	241.7	207.7	194.0	204.3	207.7	204.3	200.9
67.5°	2022.2	1229.0	374.5	258.7	224.7	190.6	180.4	190.6	194.0	190.6	190.6
70°	1389.0	793.2	303.0	231.5	200.9	173.6	163.4	170.2	170.2	173.6	173.6
72.5°	718.3	428.9	248.5	197.4	173.6	156.6	146.4	146.4	143.0	143.0	143.0
75°	357.5	292.8	207.7	166.8	146.4	132.8	126.0	119.2	119.2	119.2	119.2
77.5°	248.5	224.7	170.2	132.8	119.2	108.9	108.9	98.7	98.7	98.7	98.7
80°	187.2	177.0	129.4	102.1	91.9	85.1	85.1	81.7	81.7	78.3	78.3
82.5°	132.8	143.0	98.7	74.9	68.1	64.7	64.7	61.3	61.3	54.5	54.5
85°	105.5	119.2	74.9	54.5	51.1	44.3	44.3	40.9	40.9	37.4	34.0
87.5°	30.6	64.7	30.6	20.4	20.4	20.4	20.4	17.0	17.0	13.6	13.6
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)