

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: P672251

Luminaire Tested: **CCP-SA-2C-735-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672251  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-735-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

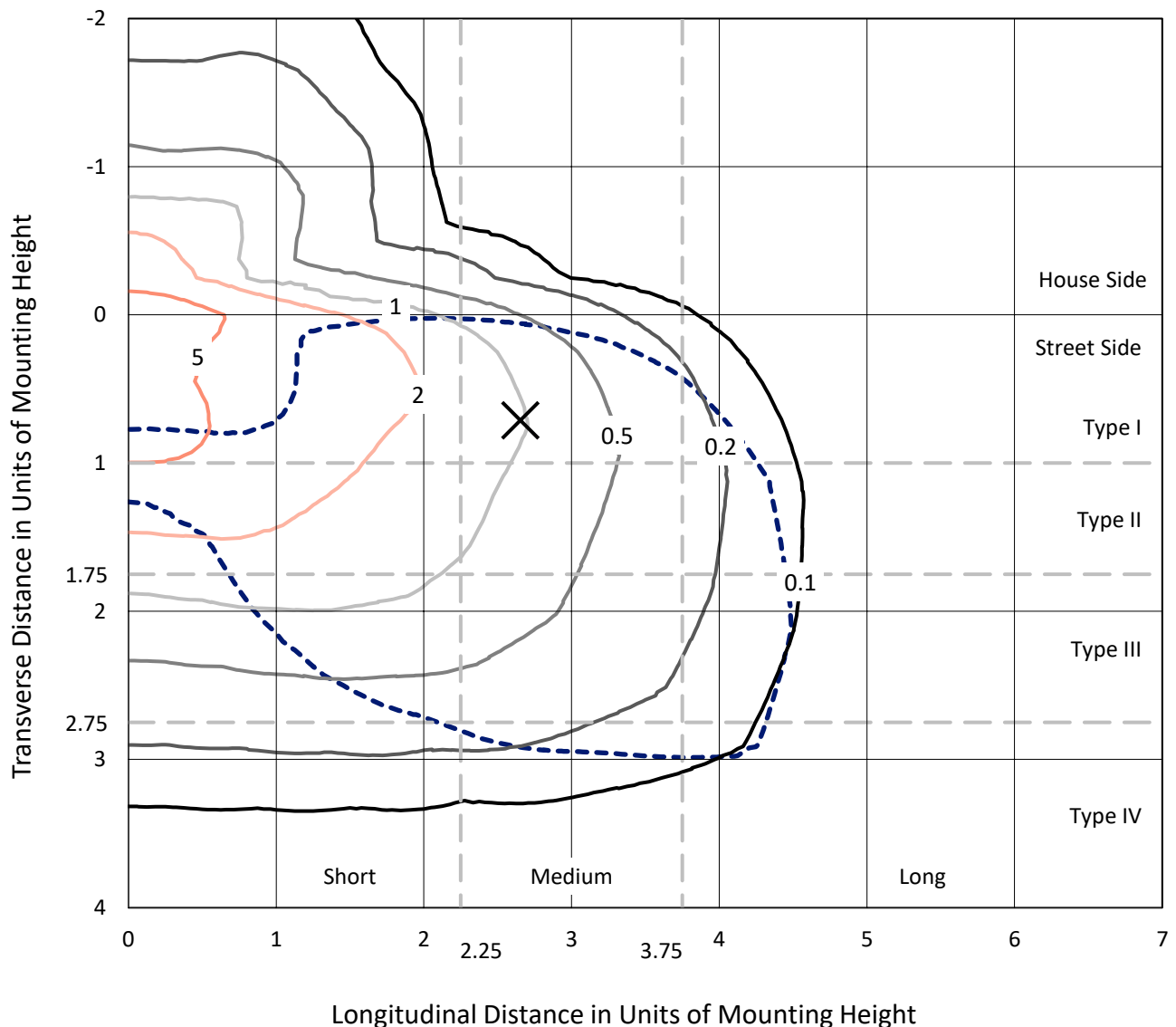
Lumens per Lamp: N/A  
Luminaire Lumens: 9063.7 lumens  
Efficiency: N/A  
Efficacy: 146.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (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

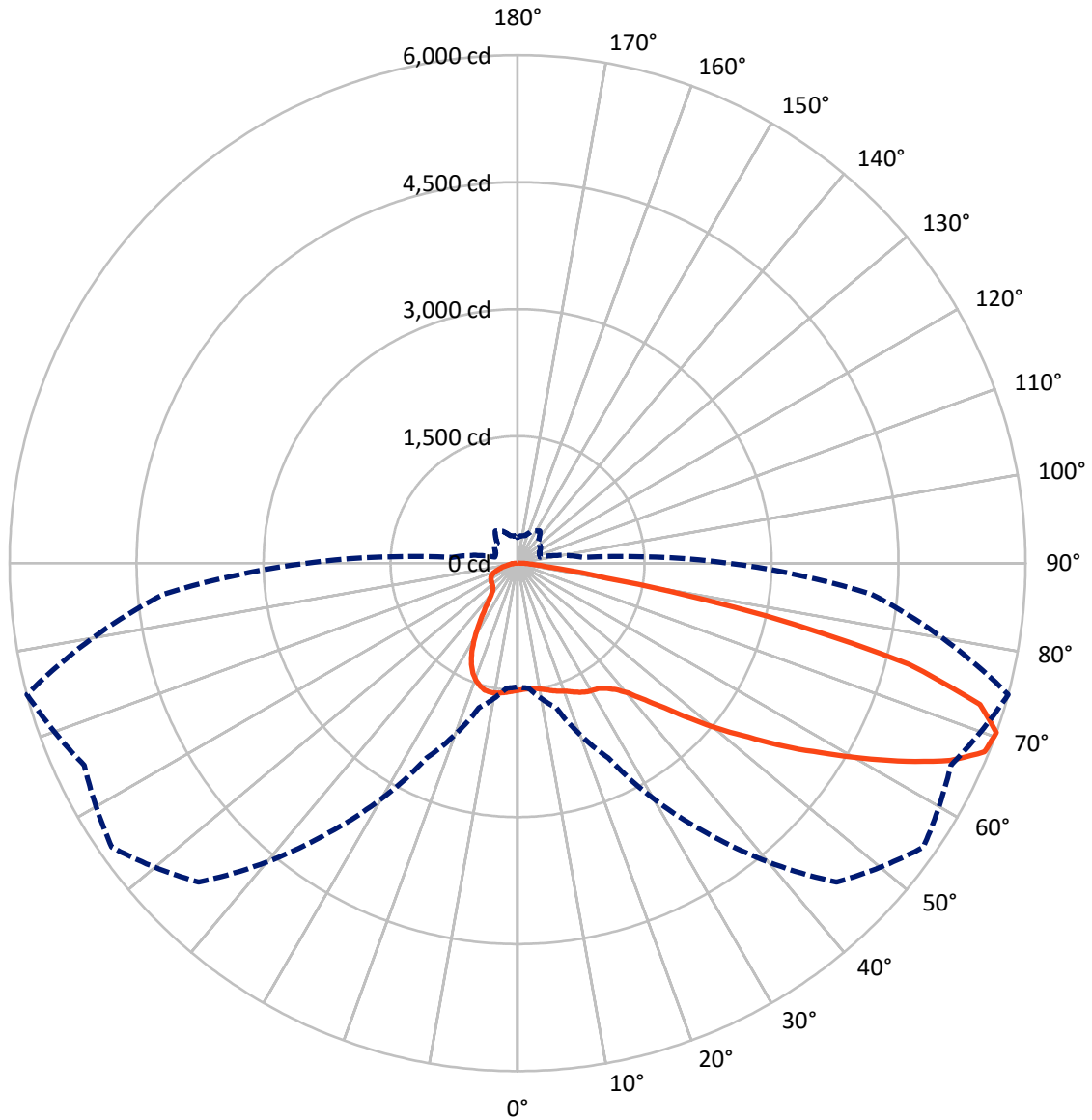
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 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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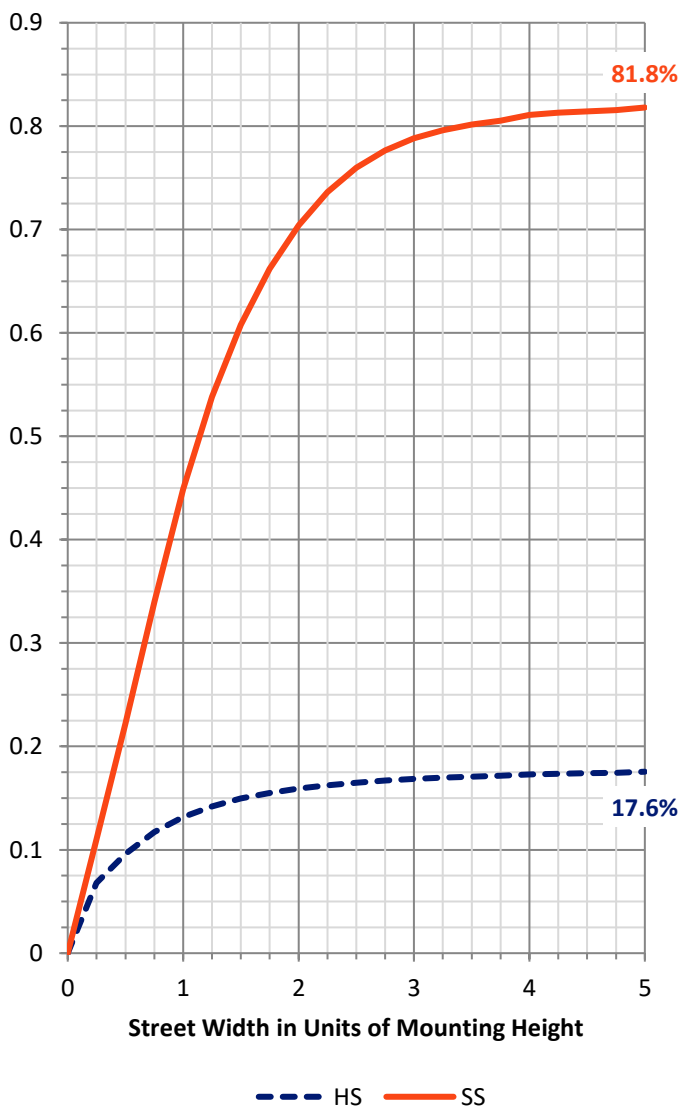
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1612.5	0.0	1612.5
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	7451.1	0.0	7451.1
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	9063.7	0.0	9063.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.8	1.5
10°-20°	359.9	4.0
20°-30°	606.4	6.7
30°-40°	921.1	10.2
40°-50°	1319.6	14.6
50°-60°	1749.5	19.3
60°-70°	2189.3	24.2
70°-80°	1598.7	17.6
80°-90°	184.3	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°	9063.7	100.0
0°-180°	9063.7	100.0



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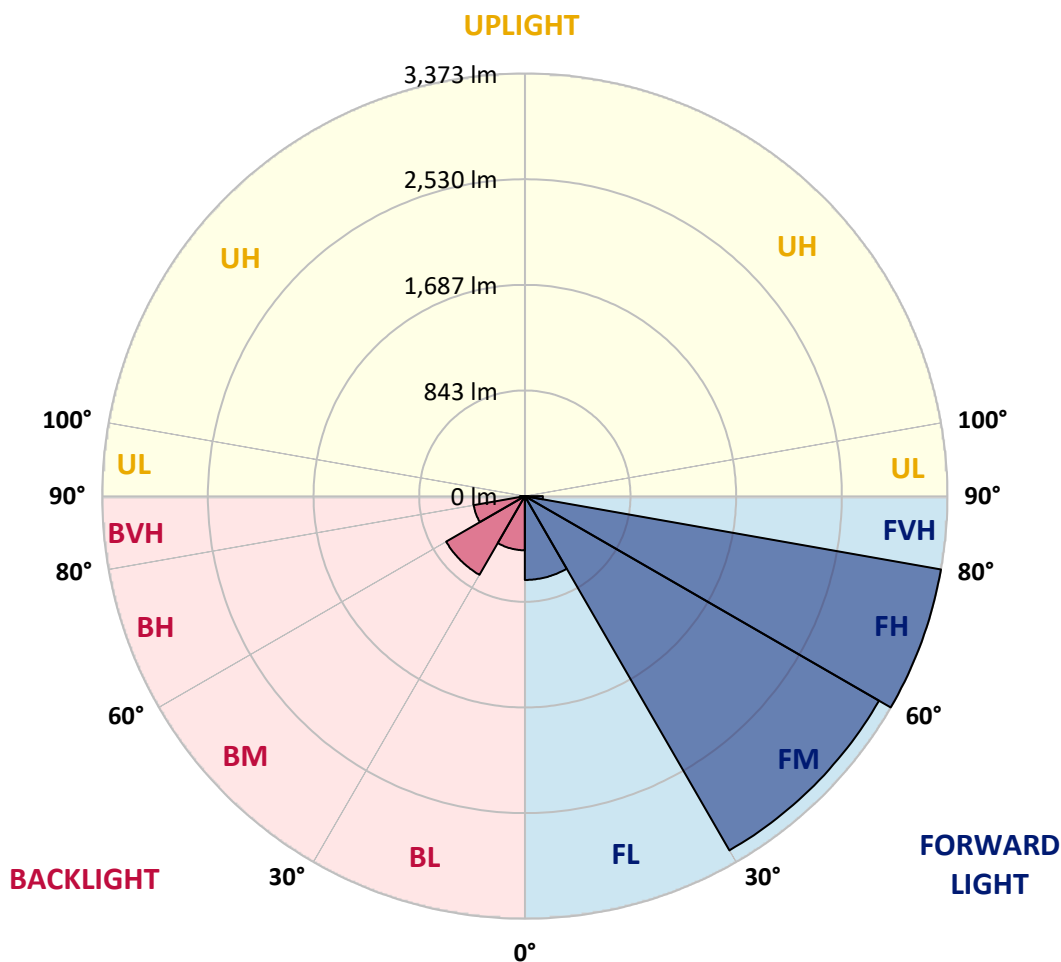
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.0	7.4			
FM (30°-60°)	3265.1	36.0			
FH (60°-80°)	3373.3	37.2			G2/5000
FVH (80°-90°)	143.9	1.6			G2/225
BL (0°-30°)	432.2	4.8	B1/500		
BM (30°-60°)	725.0	8.0	B1/1000		
BH (60°-80°)	414.8	4.6	B1/500		G1/500
BVH (80°-90°)	40.5	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°	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4
2.5°	1419.2	1427.0	1434.2	1441.4	1447.2	1462.9	1466.1	1483.1	1487.7	1491.6	1496.8
5°	1339.6	1345.5	1352.7	1364.4	1376.8	1404.8	1424.4	1461.6	1482.4	1489.0	1507.2
7.5°	1296.6	1298.5	1308.3	1318.1	1332.4	1359.8	1386.6	1444.6	1486.4	1493.5	1532.7
10°	1265.3	1267.9	1277.0	1290.7	1305.0	1330.5	1363.7	1432.9	1500.7	1511.8	1567.2
12.5°	1254.2	1252.9	1263.3	1272.4	1292.7	1324.6	1359.2	1433.5	1520.3	1535.9	1617.4
15°	1298.5	1290.0	1296.6	1293.3	1299.8	1331.1	1372.2	1447.9	1544.4	1564.0	1669.6
17.5°	1396.4	1389.2	1384.6	1356.6	1338.3	1355.9	1395.0	1468.1	1569.8	1590.7	1716.6
20°	1542.4	1522.2	1505.3	1458.3	1407.4	1401.6	1429.0	1488.3	1594.0	1614.2	1766.1
22.5°	1708.8	1692.4	1665.1	1582.9	1504.0	1464.8	1472.0	1525.5	1629.2	1651.4	1822.9
25°	1918.8	1918.1	1862.0	1751.1	1631.8	1552.9	1537.9	1584.8	1669.0	1690.5	1869.8
27.5°	2158.1	2141.8	2075.3	1932.5	1782.5	1661.8	1626.6	1645.5	1700.9	1723.1	1907.7
30°	2362.9	2364.9	2297.0	2141.2	1942.9	1768.1	1701.6	1689.2	1721.8	1744.0	1942.9
32.5°	2582.0	2571.0	2509.0	2348.6	2116.4	1882.2	1749.8	1720.5	1743.3	1764.2	1991.8
35°	2788.1	2775.7	2722.3	2549.4	2307.5	2008.1	1815.1	1769.4	1794.2	1817.0	2051.8
37.5°	2984.4	2986.4	2925.7	2760.7	2492.7	2156.8	1911.6	1843.1	1869.8	1895.3	2143.1
40°	3156.0	3146.2	3099.2	2950.5	2685.1	2308.1	2020.5	1943.5	1995.7	2019.2	2258.6
42.5°	3210.8	3210.1	3228.4	3137.1	2887.3	2488.1	2156.2	2100.1	2173.8	2209.0	2400.1
45°	3163.1	3177.5	3283.2	3280.5	3089.5	2694.9	2341.4	2290.5	2396.8	2436.6	2572.9
47.5°	3116.2	3137.7	3281.2	3362.7	3270.8	2922.5	2569.0	2531.2	2683.8	2741.2	2752.3
50°	3047.7	3067.9	3238.8	3374.5	3381.6	3152.7	2863.8	2816.2	3012.5	3071.2	2947.3
52.5°	2971.4	2987.1	3163.8	3366.0	3434.5	3332.7	3152.7	3139.0	3364.7	3412.3	3145.5
55°	2550.1	2616.6	3053.6	3347.7	3471.0	3470.3	3433.8	3478.8	3748.8	3819.9	3366.6
57.5°	2308.1	2343.3	2743.1	3337.3	3539.5	3597.5	3724.0	3820.6	4159.1	4223.0	3610.6
60°	2229.2	2260.5	2587.3	3324.9	3675.8	3796.4	4007.7	4164.3	4599.9	4678.2	3883.2
62.5°	2157.5	2195.3	2524.0	3226.4	3840.8	4111.4	4346.2	4536.0	5065.0	5157.6	4154.5
65°	2011.4	2038.1	2407.9	3143.6	3997.3	4560.8	4834.7	4945.6	5515.6	5620.0	4334.5
67.5°	1759.0	1784.4	2146.4	2953.1	4099.0	5028.4	5368.9	5369.5	5863.9	5949.3	4372.3
70°	1462.2	1481.8	1769.4	2538.3	3887.1	5328.4	5850.8	5646.7	5962.4	5999.5	4192.3
72.5°	1045.5	1062.4	1295.9	1876.4	3187.3	5085.2	5960.4	5635.0	5723.7	5711.9	3680.3
75°	644.4	677.0	793.7	1145.3	1980.7	4001.2	5364.3	5106.0	4806.0	4773.4	2771.2
77.5°	420.0	437.0	536.8	675.7	873.9	2297.0	4074.3	3828.4	3034.7	2996.8	1489.6
80°	252.4	280.4	351.5	424.6	395.9	878.5	2326.4	1901.8	1072.2	1060.5	457.8
82.5°	135.7	161.1	247.8	262.8	222.4	310.4	842.6	618.3	343.1	339.1	171.5
85°	107.6	120.0	178.0	166.3	125.9	157.2	328.7	257.6	176.1	172.2	64.6
87.5°	65.2	82.2	135.0	112.2	62.6	56.7	150.7	122.0	82.8	77.0	25.4
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°	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4	1501.4
2.5°	1506.6	1509.8	1513.1	1506.6	1509.2	1505.9	1505.9	1505.9	1497.4	1494.8	1502.7
5°	1520.9	1525.5	1528.1	1507.9	1495.5	1477.2	1462.2	1439.4	1426.4	1417.9	1417.9
7.5°	1550.3	1555.5	1543.7	1498.7	1455.0	1406.1	1355.9	1314.2	1284.2	1271.1	1275.0
10°	1593.3	1595.3	1556.1	1473.3	1380.0	1289.4	1218.3	1162.9	1125.7	1106.8	1104.2
12.5°	1643.5	1635.1	1558.7	1417.2	1279.0	1157.0	1070.3	998.5	950.9	932.6	923.5
15°	1693.1	1672.9	1549.0	1350.0	1164.2	1017.4	906.6	838.7	809.4	800.9	797.6
17.5°	1737.4	1699.6	1516.4	1253.5	1031.1	854.4	772.9	748.7	752.0	759.8	763.1
20°	1777.9	1719.8	1469.4	1138.7	864.8	727.2	707.0	729.2	747.4	759.2	761.1
22.5°	1822.2	1739.4	1404.2	999.2	728.5	668.5	692.6	718.1	736.3	748.1	750.0
25°	1856.1	1738.8	1312.2	833.5	642.4	652.8	681.5	704.4	718.1	726.5	725.9
27.5°	1877.7	1723.1	1191.6	697.2	608.5	641.8	669.2	684.2	692.0	698.5	697.8
30°	1884.2	1693.1	1039.6	596.8	592.8	631.3	652.2	661.3	667.2	673.7	673.7
32.5°	1897.2	1646.8	872.0	540.7	581.1	620.9	633.3	640.5	635.9	619.6	616.3
35°	1911.6	1595.3	713.5	514.6	570.0	613.7	625.5	606.5	557.0	550.5	547.8
37.5°	1939.6	1547.7	579.1	496.3	567.4	617.6	627.4	551.8	510.0	489.8	486.5
40°	1987.2	1500.1	489.1	483.3	570.7	634.6	601.3	525.7	456.5	418.1	411.5
42.5°	2049.9	1442.0	438.3	476.8	579.8	662.0	592.2	488.5	412.8	386.8	382.8
45°	2122.2	1365.0	414.1	475.5	590.9	675.7	594.8	458.5	393.3	373.1	371.8
47.5°	2197.2	1289.4	403.7	474.1	604.6	669.8	558.9	449.4	385.4	379.6	383.5
50°	2278.1	1203.3	395.2	470.9	615.7	669.8	539.4	447.4	388.1	401.1	414.1
52.5°	2353.8	1130.9	385.4	461.1	620.2	658.1	533.5	454.6	392.0	388.7	392.6
55°	2445.7	1093.7	380.2	447.4	611.8	622.2	526.3	474.1	395.2	368.5	368.5
57.5°	2550.7	1085.9	372.4	429.1	584.4	572.6	525.7	485.9	386.8	362.0	357.4
60°	2677.3	1102.9	362.6	406.3	551.1	534.1	521.1	485.9	373.1	350.9	352.8
62.5°	2779.7	1100.9	356.8	386.1	506.8	494.4	512.6	479.4	367.8	349.6	348.9
65°	2803.8	1059.2	339.8	360.0	452.0	446.1	503.5	463.1	360.7	342.4	337.2
67.5°	2722.3	964.6	314.4	325.4	393.9	394.6	487.2	441.5	350.9	338.5	330.0
70°	2490.7	780.0	276.5	283.7	331.3	339.8	463.1	416.1	334.6	321.5	301.3
72.5°	2084.4	560.9	232.8	234.8	263.5	285.7	421.3	381.5	310.4	279.8	258.3
75°	1543.1	372.4	189.8	187.2	197.6	232.2	360.0	343.1	279.1	232.2	221.1
77.5°	815.9	220.4	146.1	146.7	140.2	178.0	285.7	298.1	247.8	195.7	184.6
80°	279.1	132.4	105.0	109.6	99.1	127.2	212.0	247.8	212.0	163.0	144.1
82.5°	127.8	80.9	75.0	78.3	71.1	86.1	145.4	187.8	168.9	118.7	95.9
85°	64.6	48.3	48.3	52.8	47.0	44.3	80.2	124.6	123.9	81.5	70.4
87.5°	26.7	23.5	22.2	25.4	22.2	17.0	22.8	45.0	65.2	48.9	31.3
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)