

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: P672240

Luminaire Tested: **CCP-SA-2C-730-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672240  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-730-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

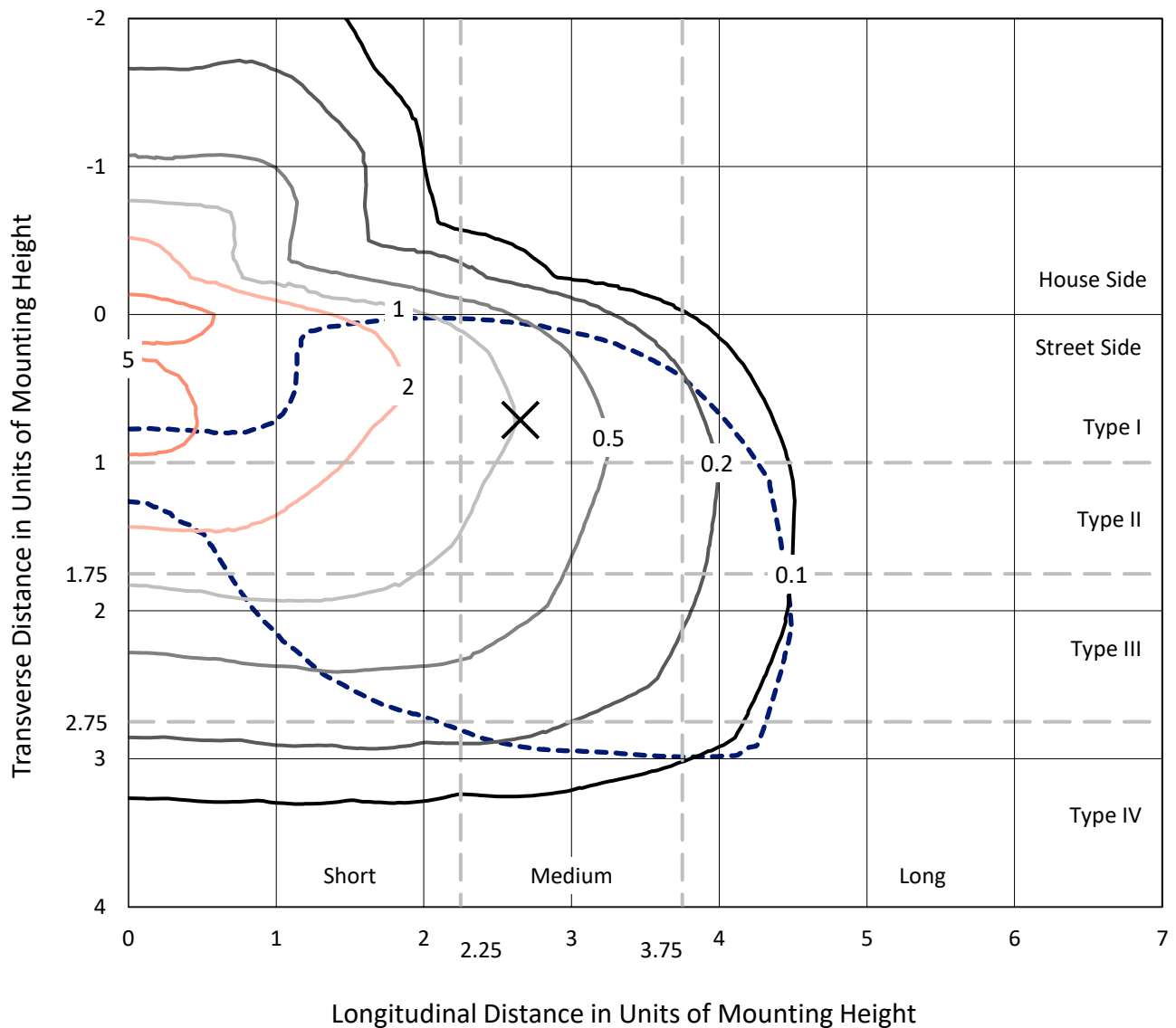
Lumens per Lamp: N/A  
Luminaire Lumens: 8368 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

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

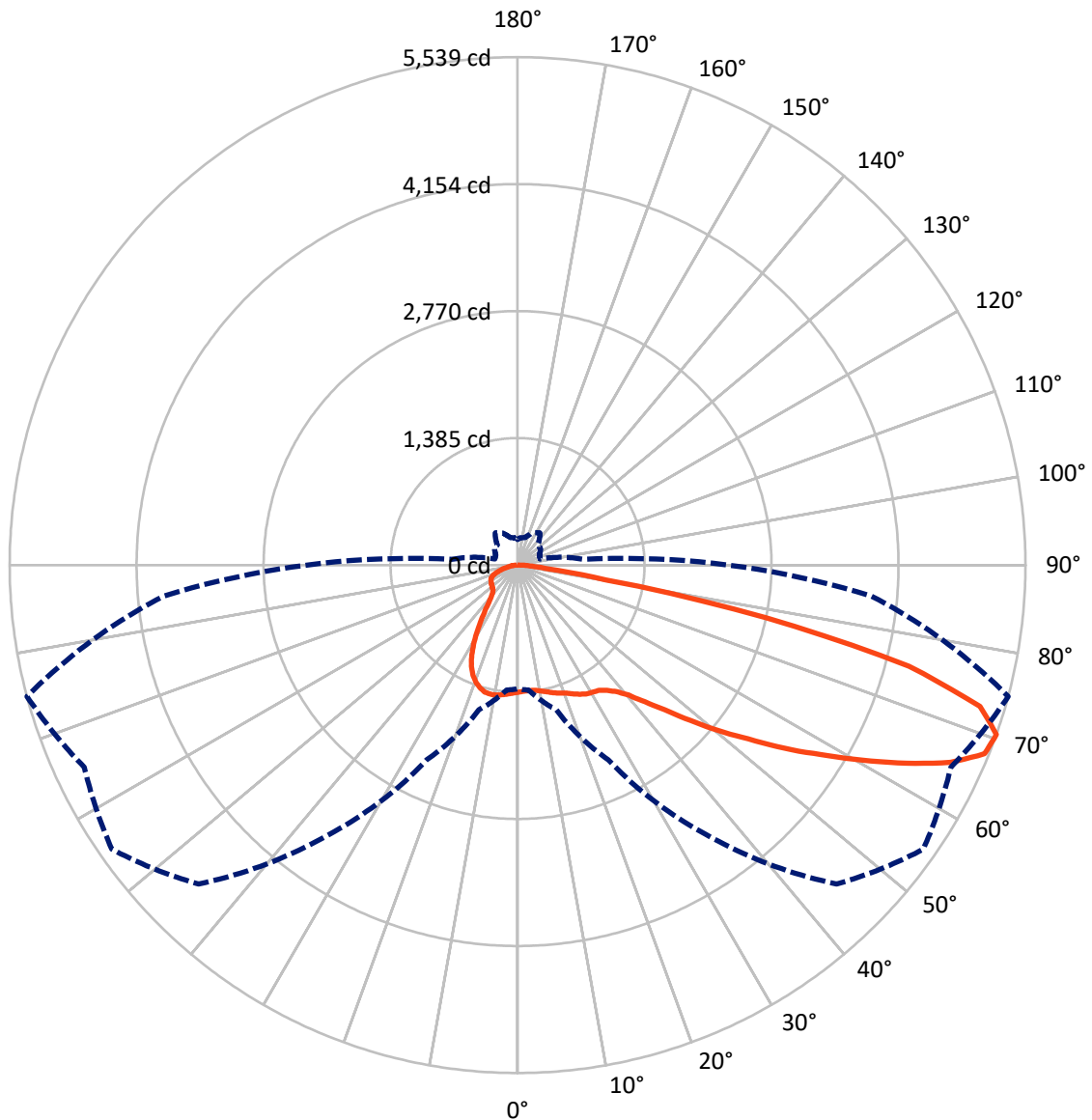
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 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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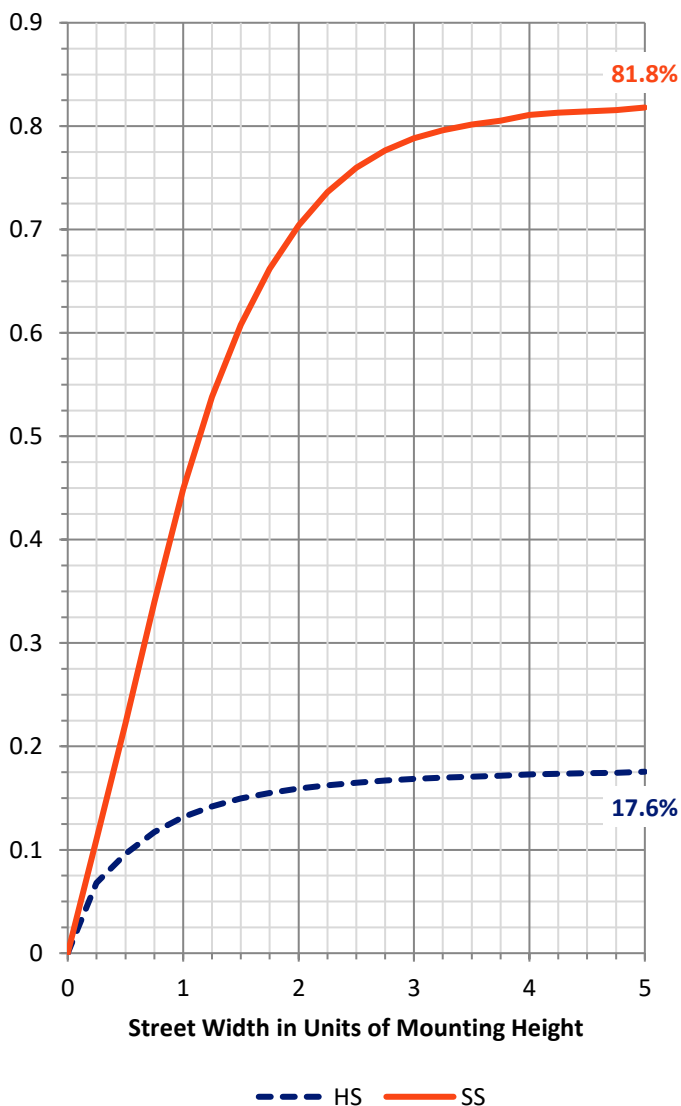
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1488.8	0.0	1488.8
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	6879.3	0.0	6879.3
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	8368.0	0.0	8368.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.5	1.5
10°-20°	332.3	4.0
20°-30°	559.9	6.7
30°-40°	850.4	10.2
40°-50°	1218.3	14.6
50°-60°	1615.2	19.3
60°-70°	2021.3	24.2
70°-80°	1476.0	17.6
80°-90°	170.2	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°	8368.0	100.0
0°-180°	8368.0	100.0



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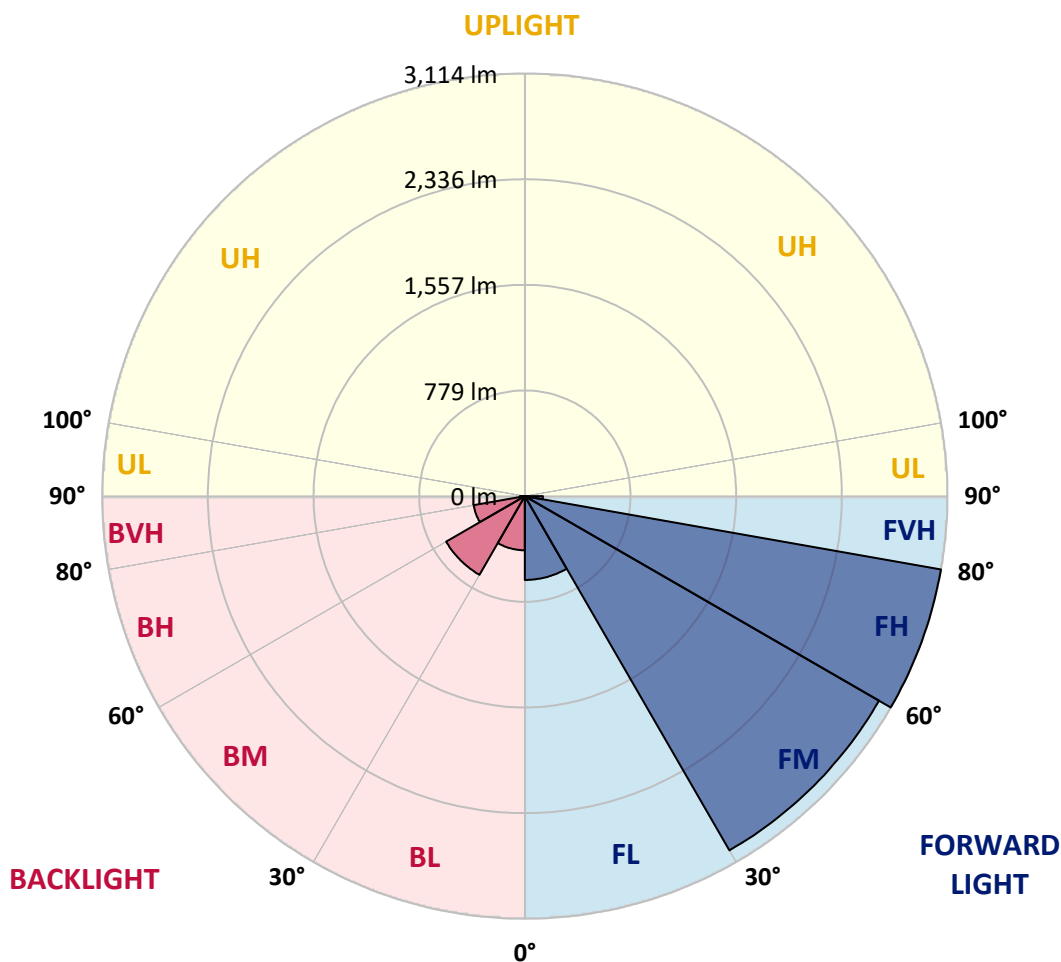
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	617.6	7.4			
FM (30°-60°)	3014.5	36.0			
FH (60°-80°)	3114.4	37.2			G2/5000
FVH (80°-90°)	132.8	1.6			G2/225
BL (0°-30°)	399.1	4.8	B1/500		
BM (30°-60°)	669.4	8.0	B1/1000		
BH (60°-80°)	383.0	4.6	B1/500		G1/500
BVH (80°-90°)	37.4	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°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1310.3	1317.5	1324.1	1330.7	1336.1	1350.6	1353.6	1369.3	1373.5	1377.1	1381.9
5°	1236.8	1242.2	1248.8	1259.7	1271.1	1297.0	1315.1	1349.4	1368.7	1374.7	1391.5
7.5°	1197.1	1198.9	1207.9	1216.9	1230.2	1255.5	1280.1	1333.7	1372.3	1378.9	1415.0
10°	1168.1	1170.6	1179.0	1191.6	1204.9	1228.4	1259.1	1322.9	1385.5	1395.8	1446.9
12.5°	1157.9	1156.7	1166.3	1174.8	1193.4	1222.9	1254.9	1323.5	1403.6	1418.0	1493.3
15°	1198.9	1191.0	1197.1	1194.0	1200.1	1229.0	1266.9	1336.7	1425.9	1443.9	1541.5
17.5°	1289.2	1282.6	1278.3	1252.4	1235.6	1251.8	1288.0	1355.4	1449.3	1468.6	1584.8
20°	1424.1	1405.4	1389.7	1346.4	1299.4	1294.0	1319.3	1374.1	1471.6	1490.3	1630.6
22.5°	1577.6	1562.5	1537.3	1461.4	1388.5	1352.4	1359.0	1408.4	1504.1	1524.6	1683.0
25°	1771.5	1770.9	1719.1	1616.7	1506.6	1433.7	1419.8	1463.2	1540.9	1560.7	1726.3
27.5°	1992.5	1977.4	1916.0	1784.1	1645.6	1534.2	1501.7	1519.2	1570.4	1590.9	1761.3
30°	2181.5	2183.4	2120.7	1976.8	1793.8	1632.4	1571.0	1559.5	1589.6	1610.1	1793.8
32.5°	2383.9	2373.6	2316.4	2168.3	1953.9	1737.8	1615.5	1588.4	1609.5	1628.8	1838.9
35°	2574.1	2562.7	2513.3	2353.8	2130.4	1854.0	1675.8	1633.6	1656.5	1677.6	1894.3
37.5°	2755.4	2757.2	2701.2	2548.9	2301.4	1991.3	1764.9	1701.6	1726.3	1749.8	1978.6
40°	2913.7	2904.7	2861.4	2724.1	2479.0	2131.0	1865.4	1794.4	1842.5	1864.2	2085.2
42.5°	2964.3	2963.7	2980.6	2896.3	2665.7	2297.2	1990.7	1938.9	2006.9	2039.4	2215.9
45°	2920.4	2933.6	3031.2	3028.8	2852.3	2488.0	2161.7	2114.7	2212.9	2249.6	2375.4
47.5°	2877.0	2896.9	3029.4	3104.6	3019.7	2698.2	2371.8	2336.9	2477.8	2530.8	2541.0
50°	2813.8	2832.5	2990.2	3115.5	3122.1	2910.7	2644.0	2600.0	2781.3	2835.5	2721.1
52.5°	2743.3	2757.8	2921.0	3107.6	3170.9	3076.9	2910.7	2898.1	3106.4	3150.4	2904.1
55°	2354.4	2415.8	2819.2	3090.8	3204.6	3204.0	3170.3	3211.8	3461.1	3526.7	3108.2
57.5°	2131.0	2163.5	2532.6	3081.1	3267.8	3321.4	3438.2	3527.3	3839.8	3898.8	3333.4
60°	2058.1	2087.0	2388.7	3069.7	3393.7	3505.0	3700.1	3844.7	4246.9	4319.1	3585.1
62.5°	1991.9	2026.8	2330.3	2978.8	3546.0	3795.9	4012.7	4187.9	4676.2	4761.7	3835.6
65°	1857.0	1881.7	2223.1	2902.3	3690.5	4210.8	4463.7	4566.0	5092.3	5188.6	4001.8
67.5°	1624.0	1647.5	1981.6	2726.5	3784.4	4642.5	4956.8	4957.4	5413.8	5492.7	4036.7
70°	1350.0	1368.1	1633.6	2343.5	3588.7	4919.5	5401.8	5213.3	5504.8	5539.1	3870.5
72.5°	965.2	980.9	1196.4	1732.4	2942.7	4694.9	5502.9	5202.5	5284.4	5273.5	3397.9
75°	594.9	625.0	732.8	1057.4	1828.7	3694.1	4952.6	4714.1	4437.2	4407.1	2558.5
77.5°	387.8	403.4	495.6	623.8	806.9	2120.7	3761.6	3534.6	2801.8	2766.8	1375.3
80°	233.0	258.9	324.6	392.0	365.5	811.1	2147.8	1755.8	989.9	979.1	422.7
82.5°	125.2	148.7	228.8	242.7	205.3	286.6	778.0	570.8	316.7	313.1	158.4
85°	99.4	110.8	164.4	153.5	116.2	145.1	303.5	237.8	162.6	159.0	59.6
87.5°	60.2	75.9	124.6	103.6	57.8	52.4	139.1	112.6	76.5	71.1	23.5
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°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1390.9	1394.0	1397.0	1390.9	1393.3	1390.3	1390.3	1390.3	1382.5	1380.1	1387.3
5°	1404.2	1408.4	1410.8	1392.1	1380.7	1363.8	1350.0	1328.9	1316.9	1309.0	1309.0
7.5°	1431.3	1436.1	1425.3	1383.7	1343.4	1298.2	1251.8	1213.3	1185.6	1173.6	1177.2
10°	1471.0	1472.8	1436.7	1360.2	1274.1	1190.4	1124.8	1073.6	1039.3	1021.8	1019.4
12.5°	1517.4	1509.6	1439.1	1308.4	1180.8	1068.2	988.1	921.9	877.9	861.1	852.6
15°	1563.2	1544.5	1430.1	1246.4	1074.8	939.3	837.0	774.4	747.3	739.4	736.4
17.5°	1604.1	1569.2	1400.0	1157.3	952.0	788.8	713.5	691.3	694.3	701.5	704.5
20°	1641.4	1587.8	1356.6	1051.3	798.4	671.4	652.7	673.2	690.1	700.9	702.7
22.5°	1682.4	1605.9	1296.4	922.5	672.6	617.2	639.5	663.0	679.8	690.7	692.5
25°	1713.7	1605.3	1211.5	769.5	593.1	602.7	629.2	650.3	663.0	670.8	670.2
27.5°	1733.6	1590.9	1100.1	643.7	561.8	592.5	617.8	631.6	638.9	644.9	644.3
30°	1739.6	1563.2	959.8	551.0	547.3	582.9	602.1	610.6	616.0	622.0	622.0
32.5°	1751.6	1520.4	805.1	499.2	536.5	573.2	584.7	591.3	587.1	572.0	569.0
35°	1764.9	1472.8	658.7	475.1	526.3	566.6	577.5	560.0	514.2	508.2	505.8
37.5°	1790.8	1428.9	534.7	458.2	523.9	570.2	579.3	509.4	470.9	452.2	449.2
40°	1834.7	1384.9	451.6	446.2	526.9	585.9	555.2	485.3	421.5	386.0	379.9
42.5°	1892.5	1331.3	404.6	440.2	535.3	611.2	546.7	451.0	381.2	357.1	353.5
45°	1959.4	1260.3	382.4	439.0	545.5	623.8	549.2	423.3	363.1	344.4	343.2
47.5°	2028.6	1190.4	372.7	437.8	558.2	618.4	516.0	414.9	355.9	350.4	354.1
50°	2103.3	1110.9	364.9	434.7	568.4	618.4	498.0	413.1	358.3	370.3	382.4
52.5°	2173.1	1044.1	355.9	425.7	572.6	607.6	492.5	419.7	361.9	358.9	362.5
55°	2258.0	1009.8	351.0	413.1	564.8	574.4	485.9	437.8	364.9	340.2	340.2
57.5°	2355.0	1002.6	343.8	396.2	539.5	528.7	485.3	448.6	357.1	334.2	330.0
60°	2471.8	1018.2	334.8	375.1	508.8	493.2	481.1	448.6	344.4	324.0	325.8
62.5°	2566.3	1016.4	329.4	356.5	467.9	456.4	473.3	442.6	339.6	322.7	322.1
65°	2588.6	977.9	313.7	332.4	417.3	411.9	464.9	427.5	333.0	316.1	311.3
67.5°	2513.3	890.6	290.2	300.5	363.7	364.3	449.8	407.6	324.0	312.5	304.7
70°	2299.6	720.2	255.3	261.9	305.9	313.7	427.5	384.2	308.9	296.9	278.2
72.5°	1924.4	517.8	215.0	216.8	243.3	263.7	389.0	352.3	286.6	258.3	238.4
75°	1424.7	343.8	175.2	172.8	182.4	214.4	332.4	316.7	257.7	214.4	204.1
77.5°	753.3	203.5	134.9	135.5	129.5	164.4	263.7	275.2	228.8	180.6	170.4
80°	257.7	122.2	96.9	101.2	91.5	117.4	195.7	228.8	195.7	150.5	133.1
82.5°	118.0	74.7	69.2	72.3	65.6	79.5	134.3	173.4	156.0	109.6	88.5
85°	59.6	44.6	44.6	48.8	43.4	40.9	74.1	115.0	114.4	75.3	65.0
87.5°	24.7	21.7	20.5	23.5	20.5	15.7	21.1	41.5	60.2	45.2	28.9
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)