

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: P674700

Luminaire Tested: **CCP-SA-2D-735-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674700  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-735-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

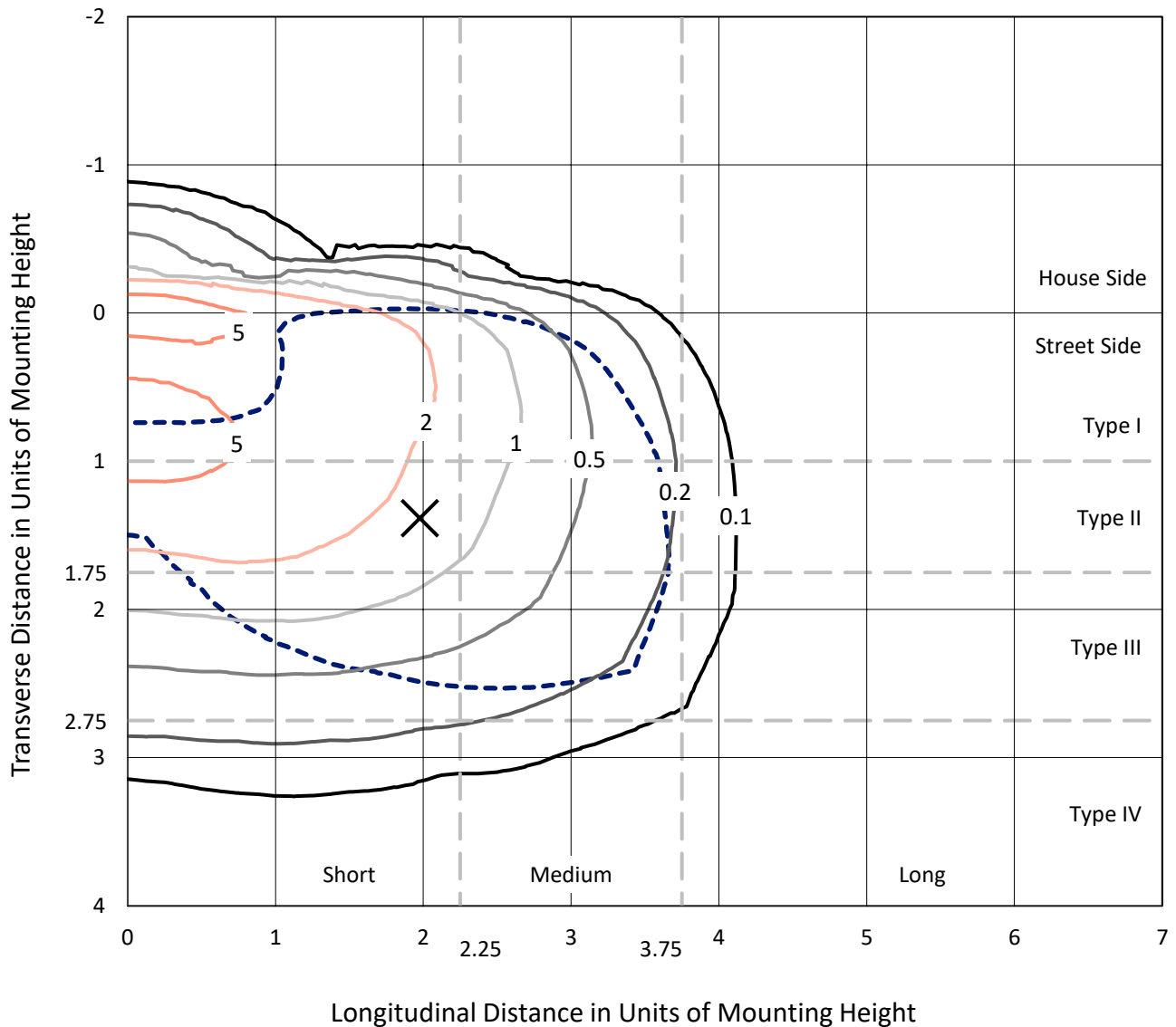
Lumens per Lamp: N/A  
Luminaire Lumens: 8724 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8  
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

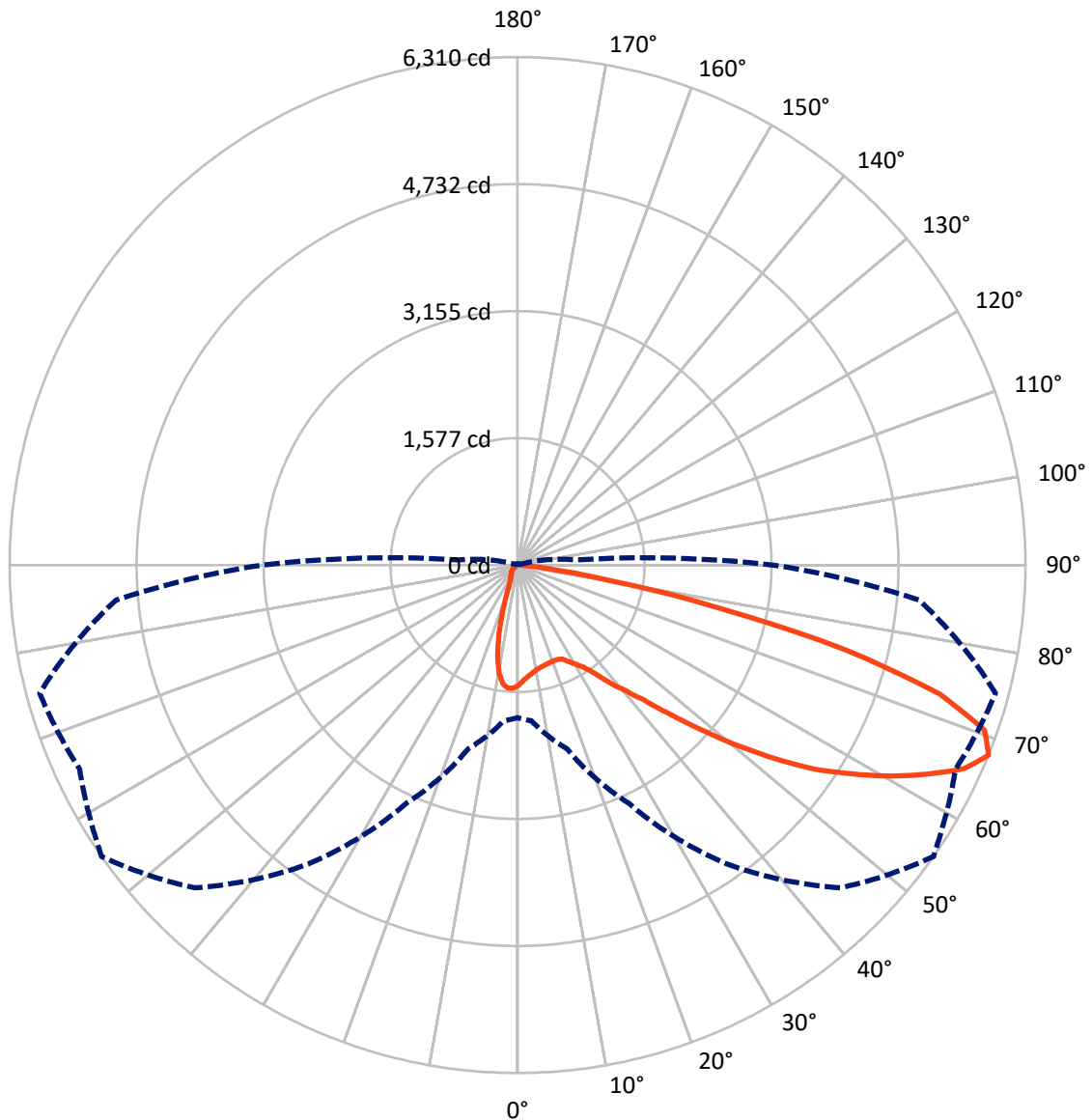
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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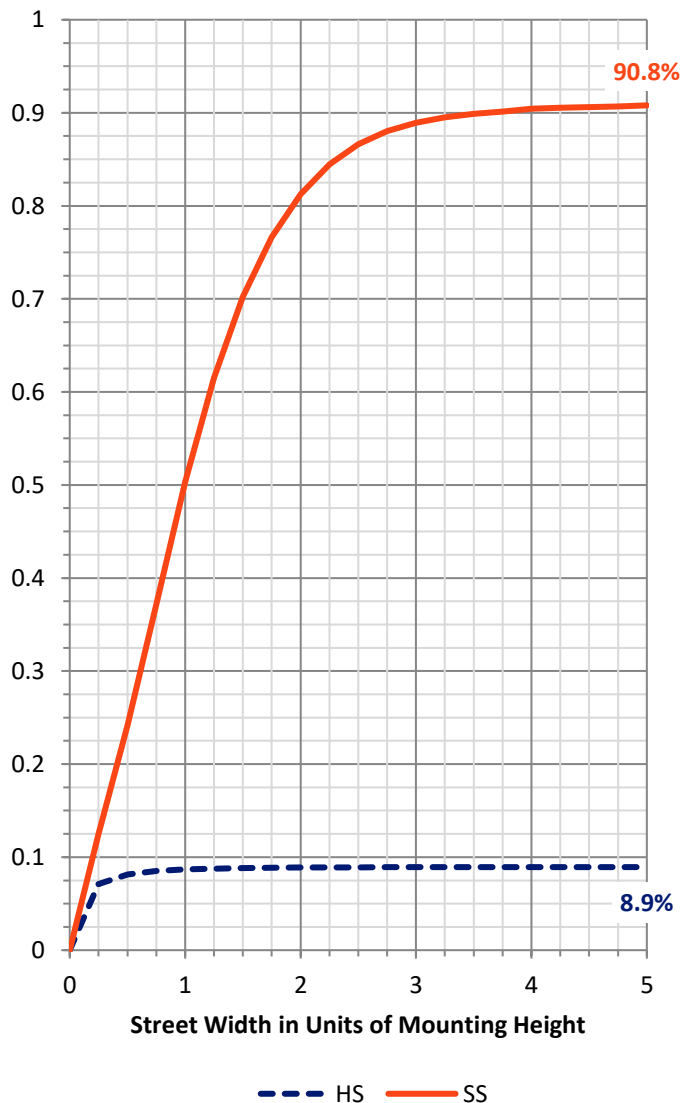
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	783.7	0.0	783.7
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	7940.3	0.0	7940.3
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	8724.0	0.0	8724.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.2	1.5
10°-20°	298.7	3.4
20°-30°	479.3	5.5
30°-40°	831.3	9.5
40°-50°	1386.1	15.9
50°-60°	2027.0	23.2
60°-70°	2363.4	27.1
70°-80°	1147.0	13.1
80°-90°	60.0	0.7
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°	8724.0	100.0
0°-180°	8724.0	100.0



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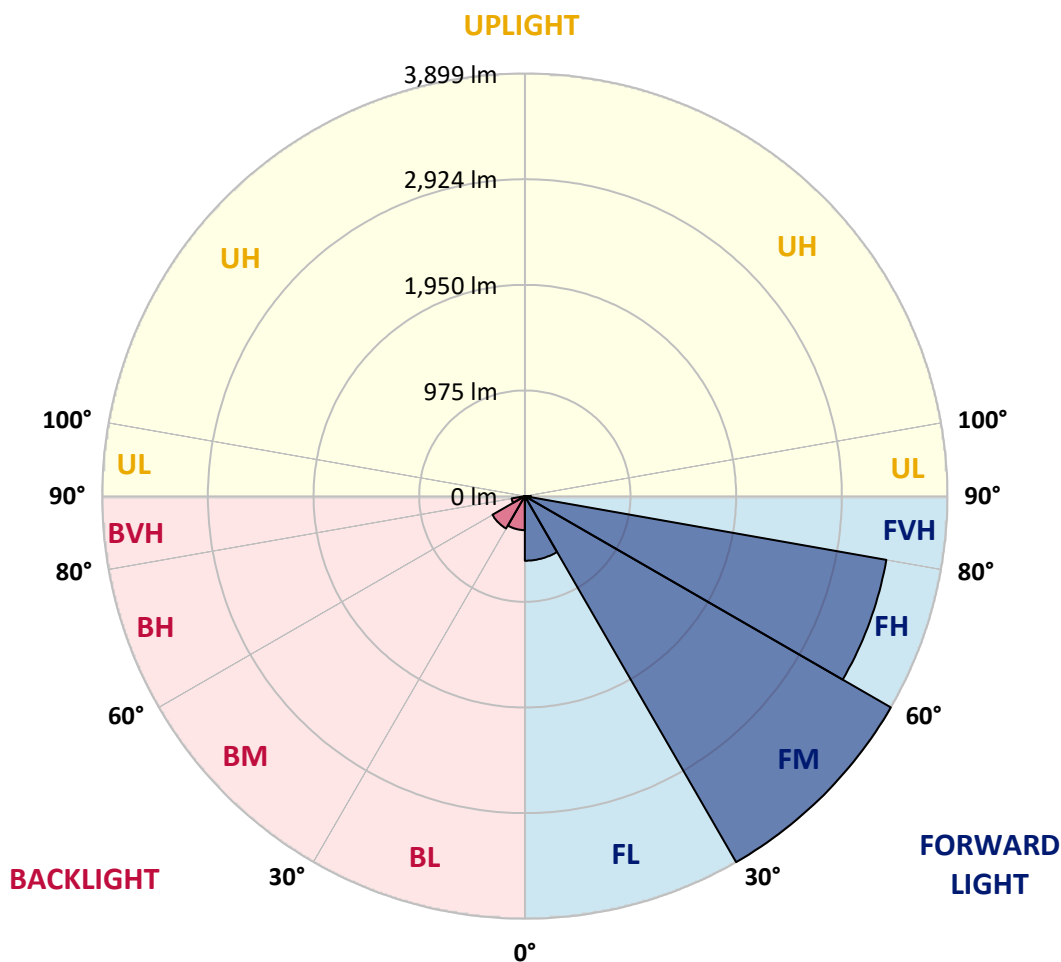
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.0	6.8			
FM (30°-60°)	3899.3	44.7			
FH (60°-80°)	3386.8	38.8			G2/5000
FVH (80°-90°)	58.2	0.7			G1/100
BL (0°-30°)	313.3	3.6	B1/500		
BM (30°-60°)	345.0	4.0	B1/1000		
BH (60°-80°)	123.6	1.4	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0
2.5°	1380.1	1388.9	1400.2	1404.2	1417.9	1437.2	1431.5	1427.5	1449.2	1479.0	1488.6
5°	1294.1	1294.9	1312.6	1325.4	1348.8	1367.2	1387.3	1385.7	1425.1	1475.8	1507.9
7.5°	1209.7	1211.3	1229.8	1249.9	1283.6	1319.8	1350.4	1348.8	1412.3	1479.8	1540.9
10°	1098.8	1106.8	1129.3	1164.7	1217.7	1274.8	1317.4	1321.4	1397.8	1495.0	1585.9
12.5°	1009.6	1013.6	1038.5	1084.3	1147.0	1221.8	1301.3	1298.9	1401.0	1523.2	1644.5
15°	971.8	969.4	984.6	1018.4	1089.9	1184.0	1285.3	1290.9	1412.3	1555.3	1705.6
17.5°	980.6	978.2	986.2	998.3	1048.9	1152.6	1276.4	1286.1	1429.9	1589.1	1762.7
20°	1078.7	1061.8	1047.3	1034.5	1041.7	1126.9	1270.8	1281.2	1440.4	1614.8	1823.0
22.5°	1267.6	1246.7	1208.1	1136.6	1089.1	1128.5	1272.4	1286.1	1463.7	1656.6	1896.1
25°	1575.4	1555.3	1472.5	1326.2	1200.9	1186.4	1294.1	1308.6	1517.5	1720.1	1974.1
27.5°	1982.9	1937.9	1837.5	1627.7	1385.7	1278.8	1359.2	1375.3	1593.9	1769.1	2027.2
30°	2321.3	2310.9	2214.4	1957.2	1640.5	1414.7	1432.3	1441.2	1628.5	1798.9	2080.2
32.5°	2672.6	2650.9	2562.5	2312.5	1936.3	1608.4	1514.3	1518.4	1673.5	1843.1	2157.4
35°	2978.0	2957.9	2884.0	2641.2	2282.0	1868.8	1650.2	1641.3	1766.7	1940.3	2261.9
37.5°	3261.0	3258.6	3193.4	2945.9	2592.2	2138.9	1850.3	1843.1	1912.2	2047.2	2403.3
40°	3537.5	3531.0	3475.6	3249.7	2897.7	2408.1	2040.8	2022.3	2036.0	2196.7	2589.8
42.5°	3707.1	3720.7	3740.0	3596.9	3260.2	2724.0	2282.0	2270.7	2268.3	2430.7	2835.0
45°	3798.7	3822.8	3936.1	3923.3	3644.4	3117.1	2625.2	2596.2	2586.6	2752.2	3115.5
47.5°	3887.9	3898.4	4084.0	4162.0	4012.5	3527.0	3039.9	2999.7	2960.3	3144.4	3450.7
50°	3893.5	3910.4	4140.3	4330.0	4321.2	3930.5	3505.3	3469.9	3424.9	3621.9	3777.8
52.5°	3814.8	3848.5	4133.1	4436.1	4512.5	4286.6	3988.4	3959.5	3922.5	4069.6	4053.5
55°	3270.6	3327.7	3991.6	4445.7	4646.7	4592.0	4473.9	4433.7	4397.5	4502.0	4323.6
57.5°	3011.8	3043.9	3562.4	4438.5	4817.9	4875.0	4895.1	4876.6	4825.9	4956.2	4605.7
60°	2856.7	2903.3	3357.4	4358.1	5002.8	5194.9	5321.1	5284.1	5222.2	5401.4	4907.9
62.5°	2671.0	2704.7	3153.3	4126.6	5112.9	5520.4	5720.6	5686.8	5559.0	5812.2	5152.3
65°	2328.6	2379.2	2828.5	3762.5	4965.0	5759.1	6096.7	6085.5	5863.6	6122.4	5219.0
67.5°	1895.3	1941.1	2359.9	3263.4	4532.6	5669.9	6309.7	6274.4	6001.9	6145.8	5007.6
70°	1422.7	1447.6	1763.5	2493.3	3713.5	5193.3	6155.4	6148.2	5792.1	5800.1	4358.9
72.5°	763.6	832.7	1172.7	1668.7	2611.5	4206.2	5485.8	5456.9	5167.5	4750.4	3134.8
75°	266.9	287.0	624.5	937.2	1418.7	2802.0	4218.3	4150.8	3864.6	3089.8	1708.0
77.5°	164.0	180.0	277.3	479.1	552.2	1216.1	2534.3	2446.7	2261.9	1335.9	583.5
80°	113.3	127.8	185.7	250.8	188.1	393.9	1166.3	1133.3	872.1	318.3	134.2
82.5°	63.5	76.4	140.7	123.0	75.6	102.1	404.3	374.6	232.3	86.0	45.0
85°	37.0	44.2	98.9	86.8	38.6	36.2	105.3	94.0	60.3	32.2	21.7
87.5°	19.3	24.9	72.3	57.9	23.3	12.9	24.1	23.3	15.3	11.3	14.5
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°	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0	1495.0
2.5°	1506.3	1502.3	1523.2	1530.4	1528.8	1525.6	1533.6	1523.2	1522.4	1520.0	1517.5
5°	1533.6	1540.1	1556.9	1556.9	1534.4	1497.5	1474.9	1444.4	1418.7	1403.4	1401.0
7.5°	1574.6	1587.5	1598.7	1564.2	1487.0	1395.4	1298.1	1221.8	1155.0	1120.5	1117.3
10°	1632.5	1644.5	1635.7	1536.8	1371.3	1181.6	1023.2	864.1	784.5	741.1	741.1
12.5°	1701.6	1711.3	1657.4	1468.5	1180.8	905.9	694.5	527.3	447.7	396.3	393.1
15°	1776.4	1778.8	1654.2	1349.6	945.3	608.5	398.7	292.6	258.8	251.6	250.0
17.5°	1841.5	1831.8	1620.4	1173.5	680.8	362.5	253.2	229.1	222.6	222.6	222.6
20°	1902.6	1870.4	1552.9	968.6	436.5	246.8	217.8	211.4	211.4	212.2	212.2
22.5°	1970.1	1906.6	1456.5	741.1	280.5	211.4	204.2	200.9	200.1	202.6	201.8
25°	2049.7	1941.9	1318.2	512.0	217.0	196.9	193.7	190.5	190.5	190.5	190.5
27.5°	2093.9	1937.1	1160.7	323.1	189.7	182.5	179.2	176.0	173.6	172.8	173.6
30°	2132.4	1909.0	954.9	225.9	171.2	163.2	160.8	156.7	151.9	150.3	150.3
32.5°	2183.1	1885.7	739.5	181.7	155.1	146.3	139.1	132.6	124.6	121.4	120.6
35°	2239.4	1843.1	541.8	160.0	140.7	129.4	118.2	107.7	97.3	94.0	93.2
37.5°	2309.3	1804.5	367.3	147.9	128.6	114.9	99.7	85.2	75.6	73.9	73.9
40°	2404.1	1772.4	254.0	137.4	117.4	101.3	82.8	67.5	61.1	59.5	59.5
42.5°	2533.5	1745.8	192.1	128.6	107.7	87.6	66.7	55.5	50.6	49.0	49.0
45°	2686.3	1704.8	162.4	120.6	98.1	73.9	55.5	46.6	44.2	44.2	44.2
47.5°	2861.5	1653.4	147.9	112.5	87.6	60.3	46.6	42.6	41.8	41.8	42.6
50°	3038.3	1592.3	137.4	102.9	75.6	51.4	42.6	40.2	40.2	41.0	41.0
52.5°	3158.1	1496.7	127.0	92.4	63.5	45.0	40.2	39.4	38.6	38.6	38.6
55°	3274.6	1413.1	112.5	81.2	53.0	41.8	38.6	37.8	37.8	37.0	37.0
57.5°	3396.0	1347.1	94.0	67.5	45.0	39.4	37.0	37.0	35.4	34.6	34.6
60°	3536.7	1289.3	72.3	53.0	39.4	37.0	34.6	33.8	32.2	30.5	30.5
62.5°	3577.7	1167.1	54.7	42.6	33.8	32.2	31.3	29.7	25.7	22.5	23.3
65°	3470.8	975.0	43.4	33.8	27.3	27.3	24.9	20.9	16.9	14.5	14.5
67.5°	3175.8	728.2	35.4	26.5	21.7	20.9	17.7	15.3	10.4	8.8	8.8
70°	2617.1	481.5	28.9	20.9	17.7	14.5	12.1	11.3	8.0	6.4	6.4
72.5°	1834.2	261.2	24.1	16.9	12.9	9.6	8.0	7.2	5.6	4.8	4.0
75°	968.6	100.5	19.3	12.9	8.0	6.4	4.8	4.8	4.0	3.2	3.2
77.5°	332.0	42.6	13.7	7.2	5.6	4.0	3.2	2.4	3.2	2.4	2.4
80°	78.8	24.9	8.8	4.8	3.2	2.4	2.4	1.6	1.6	1.6	1.6
82.5°	34.6	14.5	5.6	3.2	3.2	2.4	1.6	0.8	0.8	0.8	0.8
85°	23.3	8.8	4.0	3.2	2.4	1.6	0.8	0.8	0.0	0.0	0.0
87.5°	18.5	5.6	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.0	0.0
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)