

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: P670713

Luminaire Tested: **CCP-SA-2E-827-U-T2**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670713  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-827-U-T2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2 distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

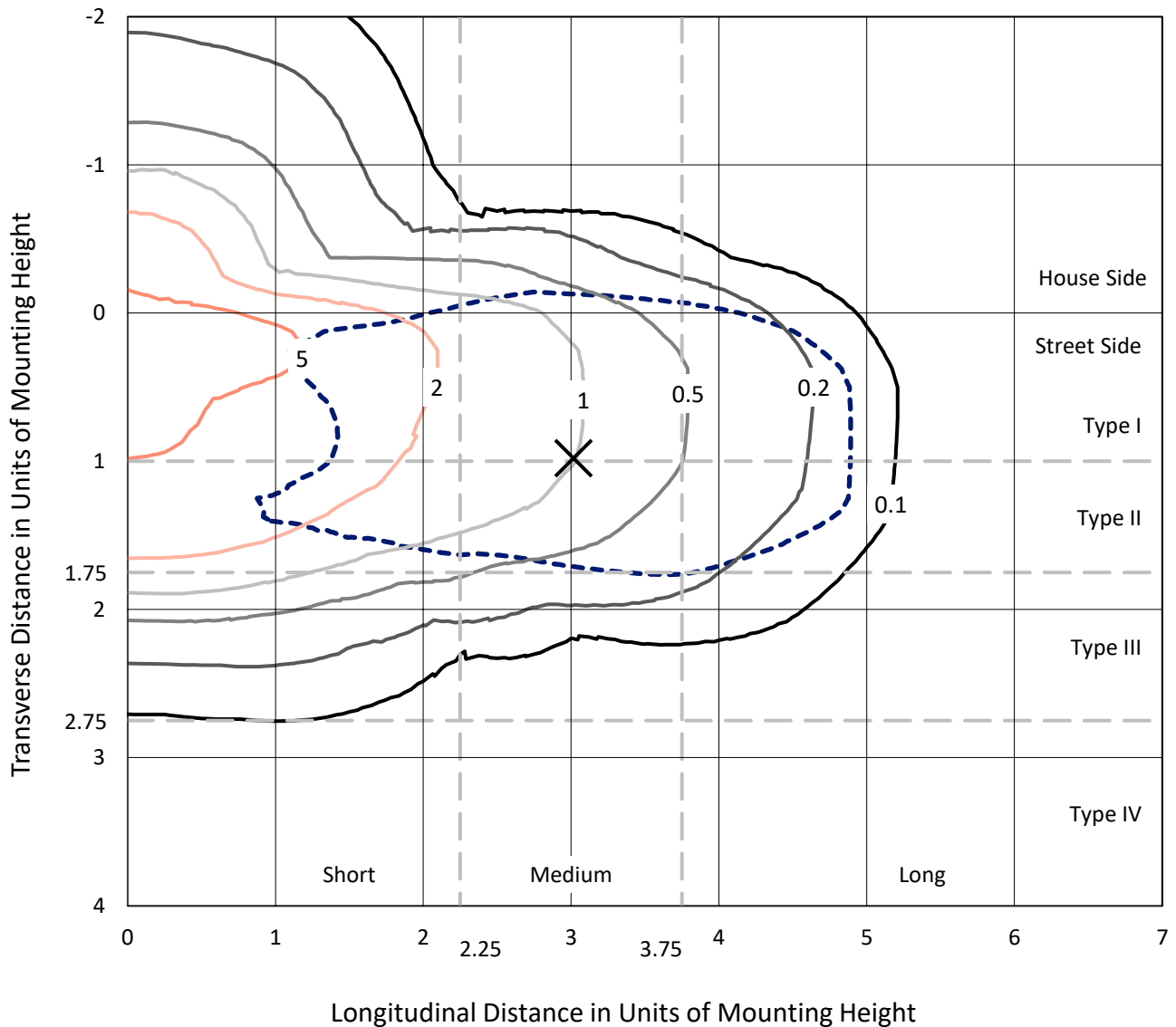
Lumens per Lamp: N/A  
Luminaire Lumens: 10026 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6  
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

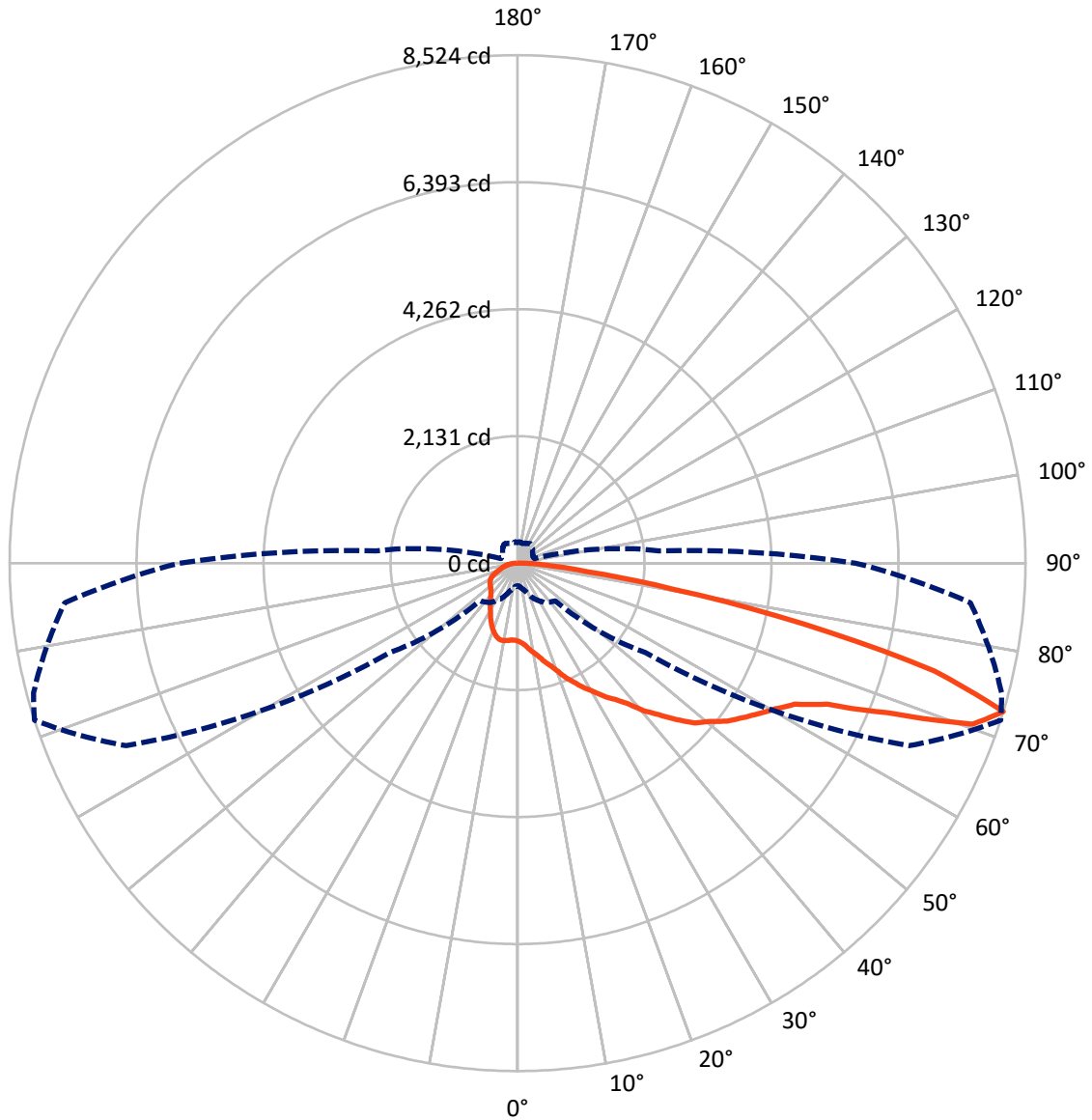
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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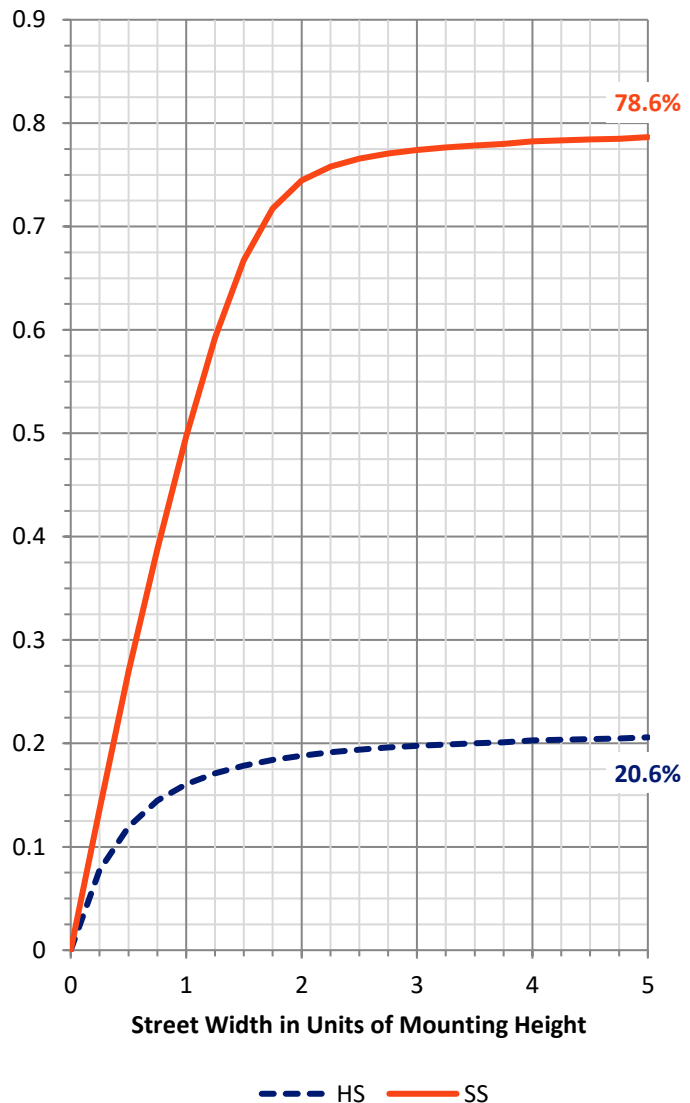
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2110.0	0.0	2110.0
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	7916.0	0.0	7916.0
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	10026.0	0.0	10026.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.5	1.3
10°-20°	402.3	4.0
20°-30°	696.2	6.9
30°-40°	1028.4	10.3
40°-50°	1529.3	15.3
50°-60°	2096.5	20.9
60°-70°	2274.1	22.7
70°-80°	1603.3	16.0
80°-90°	266.4	2.7
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°	10026.0	100.0
0°-180°	10026.0	100.0

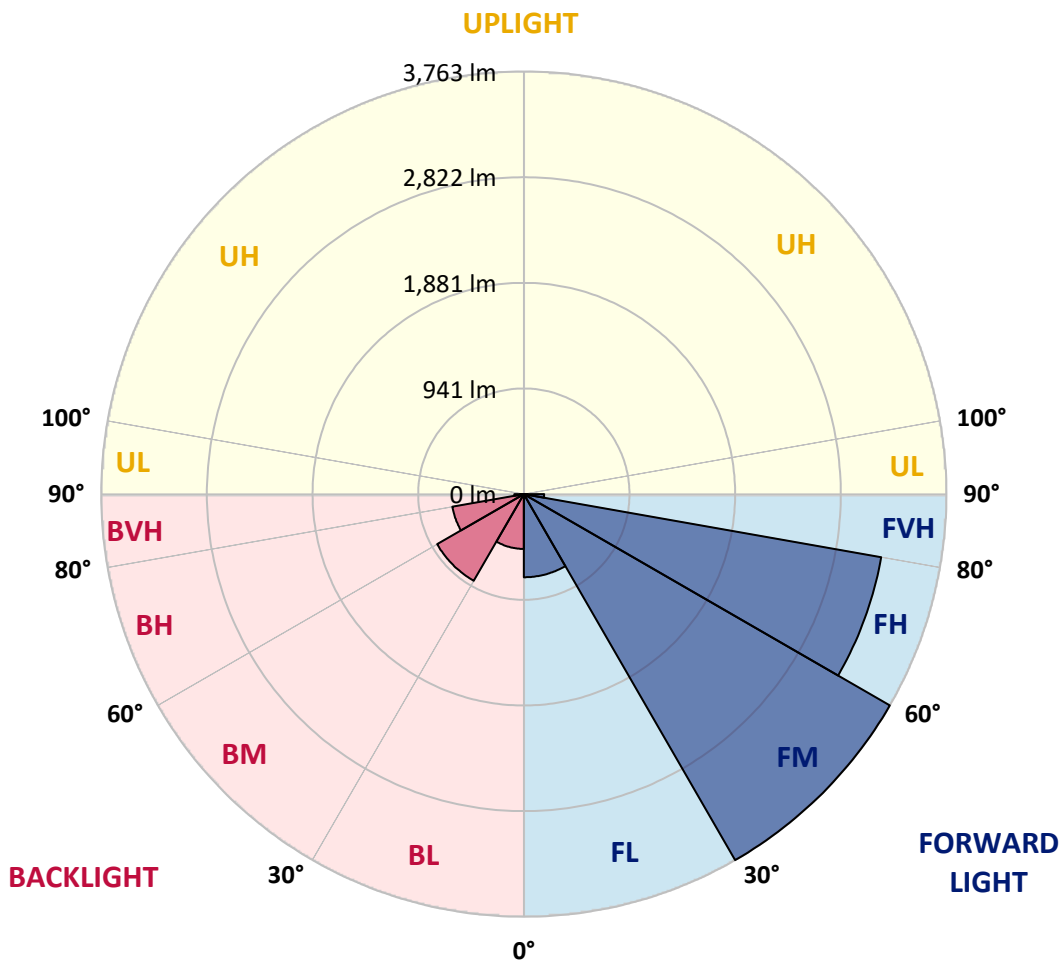


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.3	7.4			
FM (30°-60°)	3763.0	37.5			
FH (60°-80°)	3231.1	32.2			G2/5000
FVH (80°-90°)	181.6	1.8			G2/225
BL (0°-30°)	487.7	4.9	B1/500		
BM (30°-60°)	891.2	8.9	B1/1000		
BH (60°-80°)	646.4	6.4	B2/1000		G2/1000
BVH (80°-90°)	84.8	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7
2.5°	1413.3	1413.3	1402.2	1398.5	1398.5	1368.9	1372.6	1354.1	1339.3	1339.3	1324.5
5°	1487.3	1479.9	1479.9	1479.9	1461.4	1450.3	1446.6	1413.3	1387.4	1391.1	1346.7
7.5°	1505.8	1509.5	1513.2	1531.7	1520.6	1528.0	1520.6	1483.6	1465.1	1446.6	1405.9
10°	1516.9	1524.3	1524.3	1550.1	1550.1	1568.6	1579.7	1564.9	1531.7	1513.2	1446.6
12.5°	1542.8	1531.7	1546.5	1564.9	1583.4	1616.7	1650.0	1635.2	1613.0	1590.8	1516.9
15°	1542.8	1546.5	1557.5	1587.1	1616.7	1650.0	1709.2	1731.4	1720.3	1679.6	1601.9
17.5°	1498.4	1487.3	1539.1	1594.5	1650.0	1690.7	1768.4	1820.2	1812.8	1798.0	1679.6
20°	1502.1	1513.2	1531.7	1579.7	1668.5	1742.5	1838.7	1923.8	1942.3	1934.9	1783.2
22.5°	1568.6	1572.3	1590.8	1613.0	1683.3	1779.5	1923.8	2060.7	2094.0	2075.5	1897.9
25°	1635.2	1664.8	1664.8	1679.6	1705.5	1805.4	1979.3	2171.7	2219.8	2223.5	2016.3
27.5°	1742.5	1749.9	1772.1	1779.5	1801.7	1860.9	2042.2	2253.1	2364.1	2349.3	2123.6
30°	1868.3	1872.0	1886.8	1879.4	1883.1	1957.1	2101.4	2345.6	2497.3	2501.0	2238.3
32.5°	2016.3	2045.9	2053.3	2005.2	2012.6	2031.1	2193.9	2456.6	2663.7	2637.8	2338.2
35°	2234.6	2245.7	2223.5	2201.3	2145.8	2134.7	2290.1	2567.6	2808.0	2837.6	2486.2
37.5°	2504.7	2534.3	2504.7	2386.3	2327.1	2282.7	2408.5	2689.6	2981.9	3081.8	2634.1
40°	2756.2	2752.5	2722.9	2615.6	2512.1	2478.8	2578.7	2859.8	3252.0	3348.2	2848.7
42.5°	2959.7	2948.6	2930.1	2848.7	2752.5	2697.0	2774.7	3037.4	3477.7	3662.6	3096.6
45°	3137.3	3122.5	3126.2	3033.7	2941.2	2970.8	2970.8	3240.9	3744.0	3973.4	3381.5
47.5°	3303.8	3311.2	3300.1	3229.8	3159.5	3237.2	3196.5	3474.0	4006.7	4262.0	3621.9
50°	3496.2	3511.0	3474.0	3429.6	3366.7	3444.4	3392.6	3692.2	4176.9	4524.7	3910.5
52.5°	3677.4	3692.2	3725.5	3670.0	3607.2	3670.0	3551.7	3895.7	4402.6	4779.9	4132.5
55°	3721.8	3714.4	3899.4	3958.6	3991.9	3803.2	3692.2	4069.6	4580.2	4942.7	4384.1
57.5°	3518.4	3536.9	3788.4	3958.6	4313.8	4151.0	3851.3	4273.1	4765.1	5157.3	4617.2
60°	3011.5	3022.6	3337.1	3740.3	4258.3	4476.6	4280.5	4535.8	4968.6	5338.6	4879.8
62.5°	2012.6	2097.7	2489.9	3122.5	3866.1	4565.4	4964.9	4979.7	5216.5	5568.0	5238.7
65°	1061.8	1102.5	1409.6	1920.1	2930.1	4258.3	5608.7	5860.2	5712.2	5989.7	5756.6
67.5°	695.5	710.3	876.8	1165.4	1690.7	3107.7	5682.6	7388.2	6707.5	6792.5	6585.4
70°	517.9	525.3	647.4	862.0	1047.0	1661.1	4657.8	8102.2	8098.5	7872.8	7569.5
72.5°	381.1	392.2	477.3	658.5	806.5	895.3	2619.3	7247.6	8524.0	8409.3	7628.7
75°	299.7	307.1	351.5	510.6	651.1	588.2	1328.2	5368.2	7229.1	7780.3	6981.2
77.5°	244.2	251.6	277.5	370.0	521.6	455.1	636.3	3462.9	4902.0	5601.3	5342.3
80°	203.5	203.5	222.0	262.7	403.3	344.1	377.4	1946.0	2641.5	2915.3	2423.3
82.5°	173.9	170.2	185.0	192.4	299.7	247.9	244.2	880.5	1161.7	1232.0	910.1
85°	111.0	114.7	173.9	166.5	196.1	170.2	136.9	418.1	547.5	558.6	340.4
87.5°	44.4	44.4	74.0	92.5	111.0	103.6	66.6	188.7	240.5	240.5	96.2
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°	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7	1309.7
2.5°	1320.8	1306.0	1294.9	1287.5	1269.0	1250.5	1254.2	1250.5	1235.7	1228.3	1228.3
5°	1335.6	1320.8	1302.3	1272.7	1254.2	1232.0	1239.4	1224.6	1209.8	1220.9	1202.4
7.5°	1372.6	1346.7	1320.8	1276.4	1246.8	1213.5	1198.7	1191.3	1180.2	1172.8	1172.8
10°	1424.4	1387.4	1339.3	1272.7	1224.6	1172.8	1165.4	1150.6	1139.5	1139.5	1135.8
12.5°	1476.2	1435.5	1354.1	1246.8	1165.4	1128.4	1124.7	1128.4	1135.8	1139.5	1143.2
15°	1542.8	1476.2	1350.4	1198.7	1117.3	1102.5	1121.0	1135.8	1150.6	1165.4	1161.7
17.5°	1605.6	1528.0	1317.1	1139.5	1076.6	1080.3	1113.6	1143.2	1172.8	1187.6	1191.3
20°	1690.7	1576.0	1269.0	1069.2	1035.9	1069.2	1113.6	1150.6	1183.9	1202.4	1206.1
22.5°	1786.9	1631.5	1206.1	1006.3	1002.6	1035.9	1080.3	1135.8	1172.8	1206.1	1202.4
25°	1872.0	1668.5	1124.7	954.5	961.9	984.1	1035.9	1095.1	1132.1	1169.1	1158.0
27.5°	1927.5	1675.9	1039.6	917.5	917.5	939.7	987.8	1024.8	1058.1	1087.7	1091.4
30°	1990.4	1661.1	943.4	869.4	869.4	899.0	917.5	939.7	958.2	965.6	973.0
32.5°	2064.4	1627.8	884.2	832.4	832.4	854.6	865.7	858.3	854.6	836.1	847.2
35°	2134.7	1579.7	817.6	784.3	799.1	810.2	806.5	784.3	762.1	728.8	717.7
37.5°	2219.8	1531.7	758.4	732.5	758.4	762.1	762.1	736.2	706.6	665.9	665.9
40°	2349.3	1494.7	710.3	699.2	725.1	721.4	702.9	684.4	695.5	673.3	673.3
42.5°	2486.2	1479.9	665.9	669.6	680.7	684.4	665.9	643.7	688.1	662.2	665.9
45°	2656.3	1491.0	636.3	632.6	658.5	654.8	643.7	625.2	640.0	573.4	554.9
47.5°	2815.4	1513.2	621.5	606.7	636.3	643.7	628.9	588.2	566.0	525.3	517.9
50°	2959.7	1561.2	606.7	577.1	606.7	621.5	595.6	551.2	525.3	499.5	499.5
52.5°	3096.6	1631.5	599.3	543.8	569.7	588.2	573.4	529.0	499.5	488.4	477.3
55°	3237.2	1694.4	588.2	521.6	529.0	566.0	562.3	503.2	473.6	473.6	469.9
57.5°	3437.0	1779.5	573.4	484.7	499.5	540.1	540.1	492.1	458.8	462.5	466.2
60°	3640.4	1879.4	558.6	447.7	458.8	514.3	521.6	477.3	447.7	451.4	447.7
62.5°	3966.0	2064.4	529.0	403.3	425.5	481.0	499.5	458.8	432.9	440.3	440.3
65°	4458.1	2382.6	466.2	366.3	392.2	451.4	477.3	440.3	410.7	432.9	425.5
67.5°	5249.8	2819.1	392.2	336.7	370.0	421.8	451.4	418.1	392.2	425.5	414.4
70°	5960.1	3033.7	336.7	310.8	336.7	388.5	421.8	395.9	370.0	403.3	388.5
72.5°	5671.6	2378.9	292.3	281.2	307.1	351.5	392.2	366.3	340.4	358.9	344.1
75°	4894.6	1894.2	255.3	251.6	273.8	318.2	358.9	340.4	314.5	321.9	314.5
77.5°	3710.7	1564.9	218.3	214.6	233.1	284.9	321.9	307.1	281.2	277.5	277.5
80°	1657.4	769.5	181.3	181.3	192.4	244.2	273.8	266.4	240.5	236.8	233.1
82.5°	543.8	292.3	148.0	140.6	155.4	203.5	244.2	236.8	210.9	203.5	196.1
85°	218.3	140.6	107.3	107.3	122.1	170.2	218.3	203.5	170.2	151.7	151.7
87.5°	74.0	59.2	55.5	55.5	77.7	114.7	162.8	136.9	122.1	107.3	111.0
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)