

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: P672247

Luminaire Tested: **CCP-SA-1E-735-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672247  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-735-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

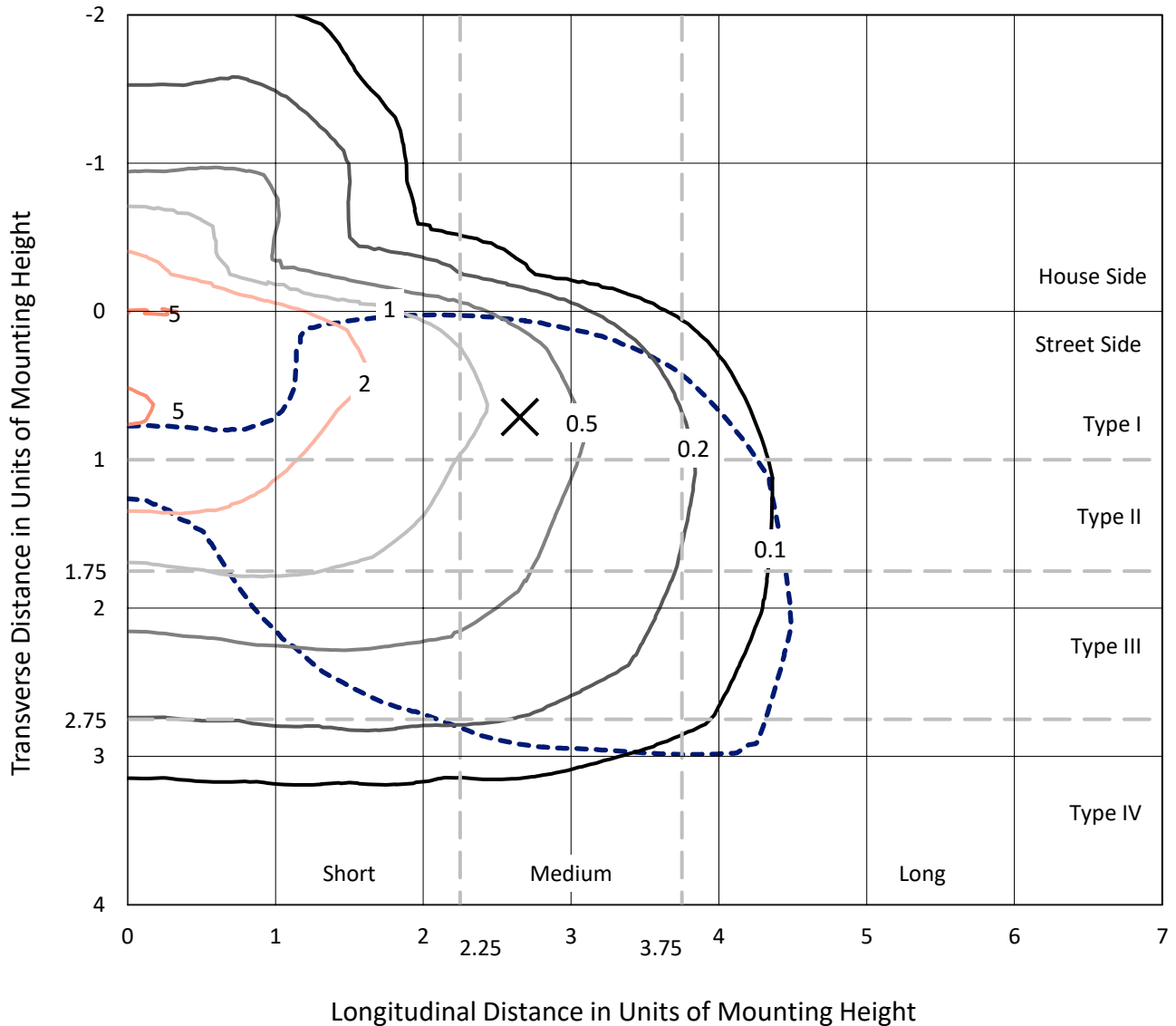
Lumens per Lamp: N/A  
Luminaire Lumens: 6853.8 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

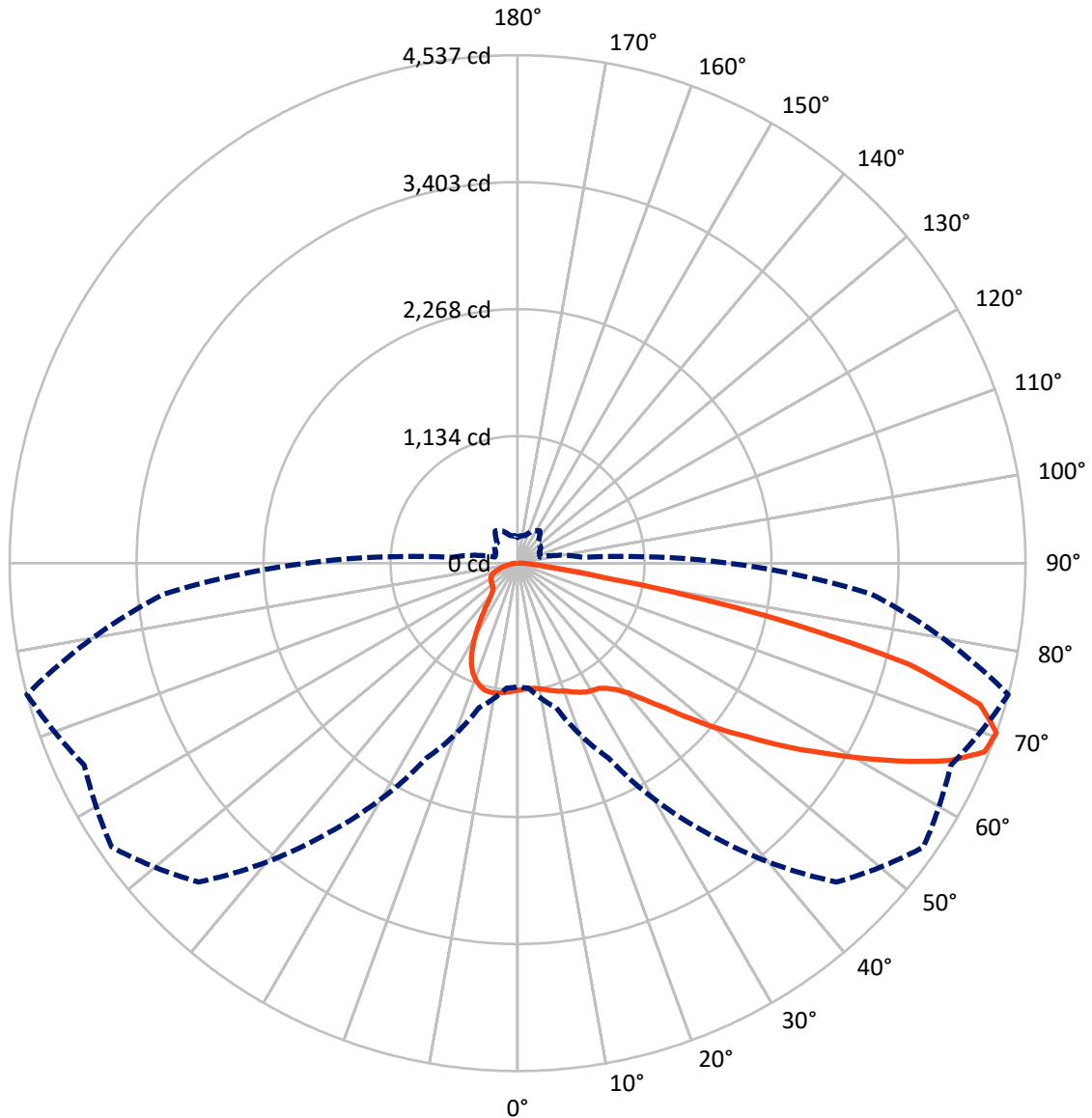
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 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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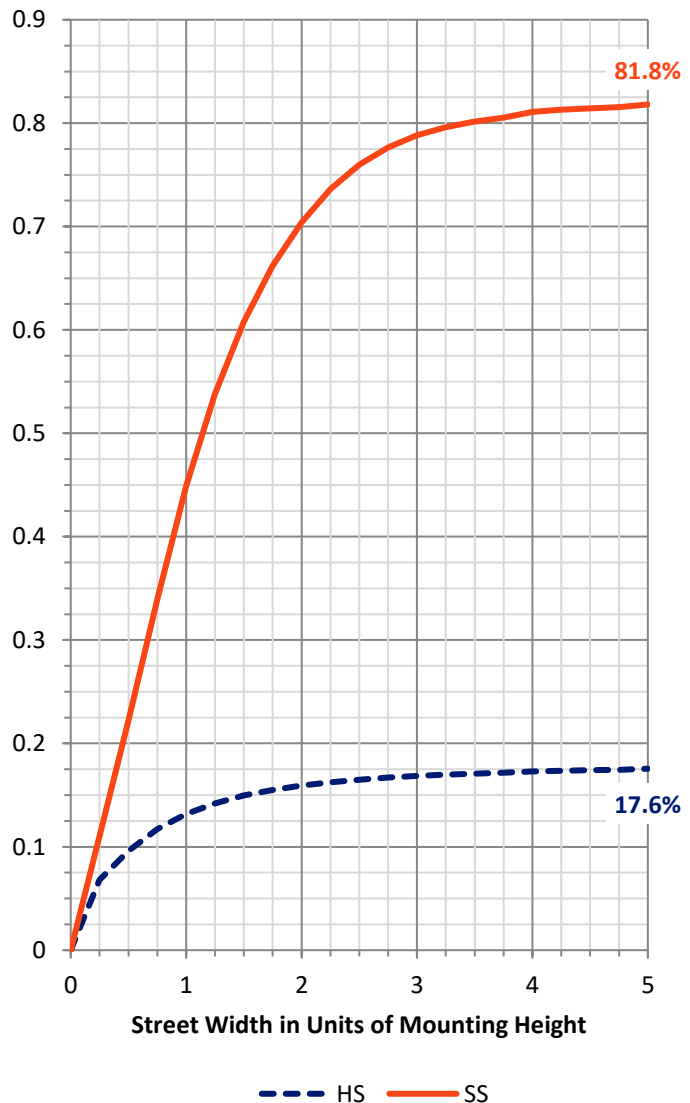
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1219.4	0.0	1219.4
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	5634.4	0.0	5634.4
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	6853.8	0.0	6853.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.0	1.5
10°-20°	272.2	4.0
20°-30°	458.6	6.7
30°-40°	696.5	10.2
40°-50°	997.8	14.6
50°-60°	1322.9	19.3
60°-70°	1655.5	24.2
70°-80°	1208.9	17.6
80°-90°	139.4	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°	6853.8	100.0
0°-180°	6853.8	100.0



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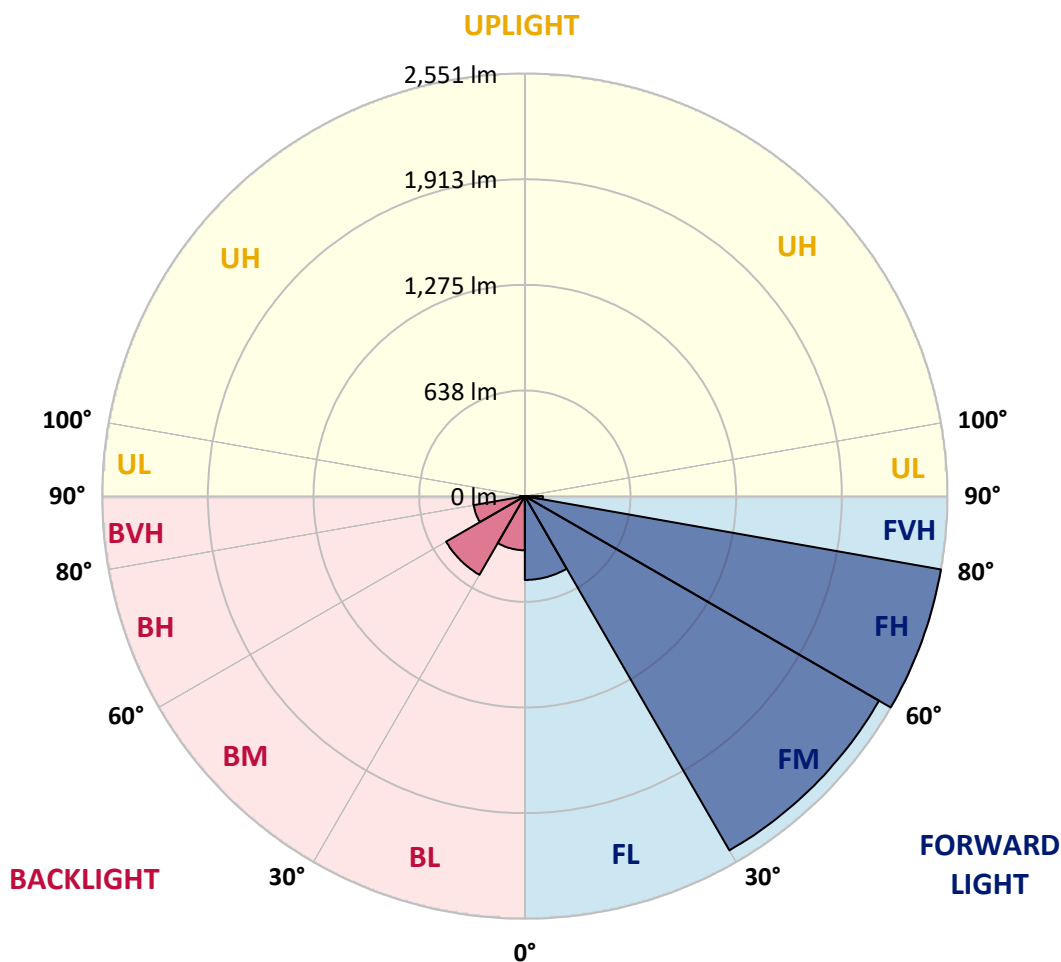
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	505.9	7.4			
FM (30°-60°)	2469.0	36.0			
FH (60°-80°)	2550.8	37.2			G2/5000
FVH (80°-90°)	108.8	1.6			G2/225
BL (0°-30°)	326.9	4.8	B1/500		
BM (30°-60°)	548.2	8.0	B1/1000		
BH (60°-80°)	313.7	4.6	B1/500		G1/500
BVH (80°-90°)	30.6	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°	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3
2.5°	1073.2	1079.1	1084.5	1089.9	1094.4	1106.2	1108.7	1121.5	1124.9	1127.9	1131.8
5°	1013.0	1017.4	1022.9	1031.7	1041.1	1062.3	1077.1	1105.2	1121.0	1125.9	1139.7
7.5°	980.4	981.9	989.3	996.7	1007.6	1028.3	1048.5	1092.4	1124.0	1129.4	1159.0
10°	956.8	958.7	965.6	976.0	986.8	1006.1	1031.2	1083.5	1134.8	1143.2	1185.1
12.5°	948.4	947.4	955.3	962.2	977.5	1001.6	1027.8	1084.0	1149.6	1161.4	1223.1
15°	981.9	975.5	980.4	978.0	982.9	1006.6	1037.6	1094.9	1167.8	1182.6	1262.5
17.5°	1055.9	1050.5	1047.0	1025.8	1012.0	1025.3	1054.9	1110.1	1187.1	1202.9	1298.0
20°	1166.4	1151.1	1138.3	1102.7	1064.3	1059.8	1080.6	1125.4	1205.3	1220.6	1335.5
22.5°	1292.1	1279.8	1259.1	1196.9	1137.3	1107.7	1113.1	1153.5	1232.0	1248.7	1378.4
25°	1450.9	1450.4	1408.0	1324.2	1233.9	1174.3	1162.9	1198.4	1262.0	1278.3	1413.9
27.5°	1631.9	1619.6	1569.3	1461.3	1347.9	1256.6	1230.0	1244.3	1286.2	1303.0	1442.5
30°	1786.8	1788.3	1737.0	1619.1	1469.2	1337.0	1286.7	1277.3	1302.0	1318.8	1469.2
32.5°	1952.5	1944.1	1897.3	1775.9	1600.4	1423.3	1323.2	1301.0	1318.3	1334.0	1506.2
35°	2108.3	2099.0	2058.5	1927.8	1744.9	1518.5	1372.5	1338.0	1356.7	1374.0	1551.5
37.5°	2256.8	2258.3	2212.4	2087.6	1884.9	1630.9	1445.5	1393.7	1413.9	1433.2	1620.6
40°	2386.5	2379.1	2343.6	2231.1	2030.4	1745.4	1527.9	1469.7	1509.1	1526.9	1707.9
42.5°	2427.9	2427.4	2441.2	2372.2	2183.3	1881.5	1630.4	1588.0	1643.8	1670.4	1814.9
45°	2391.9	2402.8	2482.7	2480.7	2336.2	2037.8	1770.5	1732.0	1812.4	1842.5	1945.6
47.5°	2356.4	2372.7	2481.2	2542.8	2473.3	2209.9	1942.6	1914.0	2029.4	2072.8	2081.2
50°	2304.6	2319.9	2449.1	2551.7	2557.1	2384.0	2165.5	2129.5	2278.0	2322.4	2228.7
52.5°	2246.9	2258.8	2392.4	2545.3	2597.1	2520.1	2384.0	2373.7	2544.3	2580.3	2378.6
55°	1928.3	1978.6	2309.1	2531.5	2624.7	2624.2	2596.6	2630.6	2834.8	2888.5	2545.8
57.5°	1745.4	1772.0	2074.3	2523.6	2676.5	2720.4	2816.0	2889.0	3145.0	3193.3	2730.2
60°	1685.7	1709.4	1956.4	2514.2	2779.6	2870.8	3030.6	3148.9	3478.4	3537.6	2936.4
62.5°	1631.4	1660.0	1908.6	2439.8	2904.3	3109.0	3286.5	3430.1	3830.0	3900.1	3141.5
65°	1521.0	1541.2	1820.8	2377.1	3022.7	3448.8	3655.9	3739.8	4170.8	4249.7	3277.7
67.5°	1330.1	1349.3	1623.0	2233.1	3099.6	3802.4	4059.8	4060.3	4434.2	4498.8	3306.3
70°	1105.7	1120.5	1338.0	1919.4	2939.3	4029.3	4424.3	4269.9	4508.6	4536.7	3170.1
72.5°	790.6	803.4	979.9	1418.9	2410.2	3845.3	4507.2	4261.1	4328.1	4319.3	2783.0
75°	487.3	511.9	600.2	866.0	1497.8	3025.6	4056.4	3861.1	3634.2	3609.6	2095.5
77.5°	317.6	330.4	405.9	510.9	660.9	1737.0	3080.9	2895.0	2294.8	2266.2	1126.4
80°	190.9	212.1	265.8	321.1	299.4	664.3	1759.2	1438.1	810.8	801.9	346.2
82.5°	102.6	121.8	187.4	198.8	168.2	234.8	637.2	467.5	259.4	256.5	129.7
85°	81.4	90.7	134.6	125.8	95.2	118.9	248.6	194.8	133.2	130.2	48.8
87.5°	49.3	62.1	102.1	84.8	47.3	42.9	113.9	92.2	62.6	58.2	19.2
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°	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3	1135.3
2.5°	1139.2	1141.7	1144.2	1139.2	1141.2	1138.7	1138.7	1138.7	1132.3	1130.4	1136.3
5°	1150.1	1153.5	1155.5	1140.2	1130.9	1117.0	1105.7	1088.4	1078.6	1072.2	1072.2
7.5°	1172.3	1176.2	1167.4	1133.3	1100.3	1063.3	1025.3	993.8	971.1	961.2	964.2
10°	1204.8	1206.3	1176.7	1114.1	1043.6	975.0	921.3	879.3	851.2	836.9	835.0
12.5°	1242.8	1236.4	1178.7	1071.7	967.1	874.9	809.3	755.1	719.1	705.2	698.3
15°	1280.3	1265.0	1171.3	1020.9	880.3	769.4	685.5	634.2	612.0	605.6	603.2
17.5°	1313.8	1285.2	1146.6	947.9	779.7	646.1	584.4	566.2	568.6	574.6	577.0
20°	1344.4	1300.5	1111.1	861.1	654.0	549.9	534.6	551.4	565.2	574.1	575.5
22.5°	1377.9	1315.3	1061.8	755.5	550.9	505.5	523.8	543.0	556.8	565.7	567.2
25°	1403.6	1314.8	992.3	630.3	485.8	493.7	515.4	532.6	543.0	549.4	548.9
27.5°	1419.9	1303.0	901.0	527.2	460.1	485.3	506.0	517.3	523.3	528.2	527.7
30°	1424.8	1280.3	786.1	451.3	448.3	477.4	493.2	500.1	504.5	509.5	509.5
32.5°	1434.7	1245.3	659.4	408.8	439.4	469.5	478.9	484.3	480.8	468.5	466.1
35°	1445.5	1206.3	539.5	389.1	431.0	464.1	473.0	458.7	421.2	416.2	414.3
37.5°	1466.7	1170.3	437.9	375.3	429.1	467.0	474.4	417.2	385.7	370.4	367.9
40°	1502.7	1134.3	369.9	365.4	431.5	479.9	454.7	397.5	345.2	316.1	311.2
42.5°	1550.1	1090.4	331.4	360.5	438.4	500.6	447.8	369.4	312.2	292.5	289.5
45°	1604.8	1032.2	313.2	359.5	446.8	510.9	449.8	346.7	297.4	282.1	281.1
47.5°	1661.5	975.0	305.3	358.5	457.2	506.5	422.7	339.8	291.5	287.0	290.0
50°	1722.7	909.9	298.9	356.1	465.6	506.5	407.9	338.3	293.4	303.3	313.2
52.5°	1779.9	855.2	291.5	348.7	469.0	497.6	403.4	343.7	296.4	293.9	296.9
55°	1849.4	827.1	287.5	338.3	462.6	470.5	398.0	358.5	298.9	278.6	278.6
57.5°	1928.8	821.1	281.6	324.5	441.9	433.0	397.5	367.4	292.5	273.7	270.3
60°	2024.5	834.0	274.2	307.3	416.7	403.9	394.0	367.4	282.1	265.3	266.8
62.5°	2101.9	832.5	269.8	292.0	383.2	373.8	387.6	362.5	278.2	264.3	263.9
65°	2120.2	800.9	256.9	272.2	341.8	337.3	380.7	350.2	272.7	258.9	255.0
67.5°	2058.5	729.4	237.7	246.1	297.9	298.4	368.4	333.9	265.3	256.0	249.5
70°	1883.4	589.8	209.1	214.5	250.5	256.9	350.2	314.6	253.0	243.1	227.8
72.5°	1576.2	424.1	176.1	177.5	199.2	216.0	318.6	288.5	234.8	211.6	195.3
75°	1166.9	281.6	143.5	141.5	149.4	175.6	272.2	259.4	211.1	175.6	167.2
77.5°	617.0	166.7	110.5	111.0	106.0	134.6	216.0	225.4	187.4	148.0	139.6
80°	211.1	100.1	79.4	82.9	75.0	96.2	160.3	187.4	160.3	123.3	109.0
82.5°	96.7	61.2	56.7	59.2	53.8	65.1	110.0	142.0	127.7	89.8	72.5
85°	48.8	36.5	36.5	39.9	35.5	33.5	60.7	94.2	93.7	61.6	53.3
87.5°	20.2	17.8	16.8	19.2	16.8	12.8	17.3	34.0	49.3	37.0	23.7
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)