

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: P672250

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672250  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-735-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

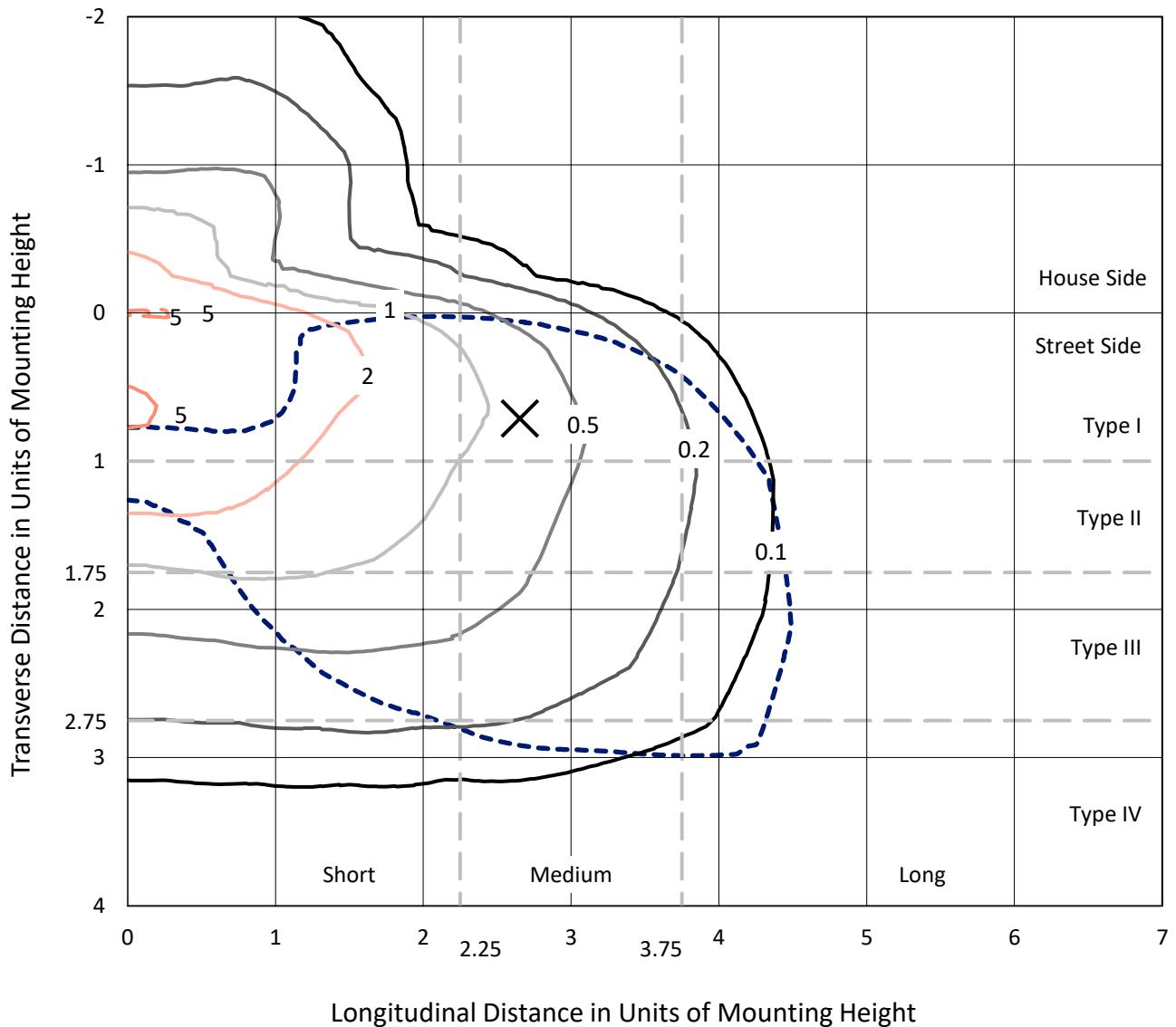
Lumens per Lamp: N/A  
Luminaire Lumens: 6923.1 lumens  
Efficiency: N/A  
Efficacy: 150.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 46  
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

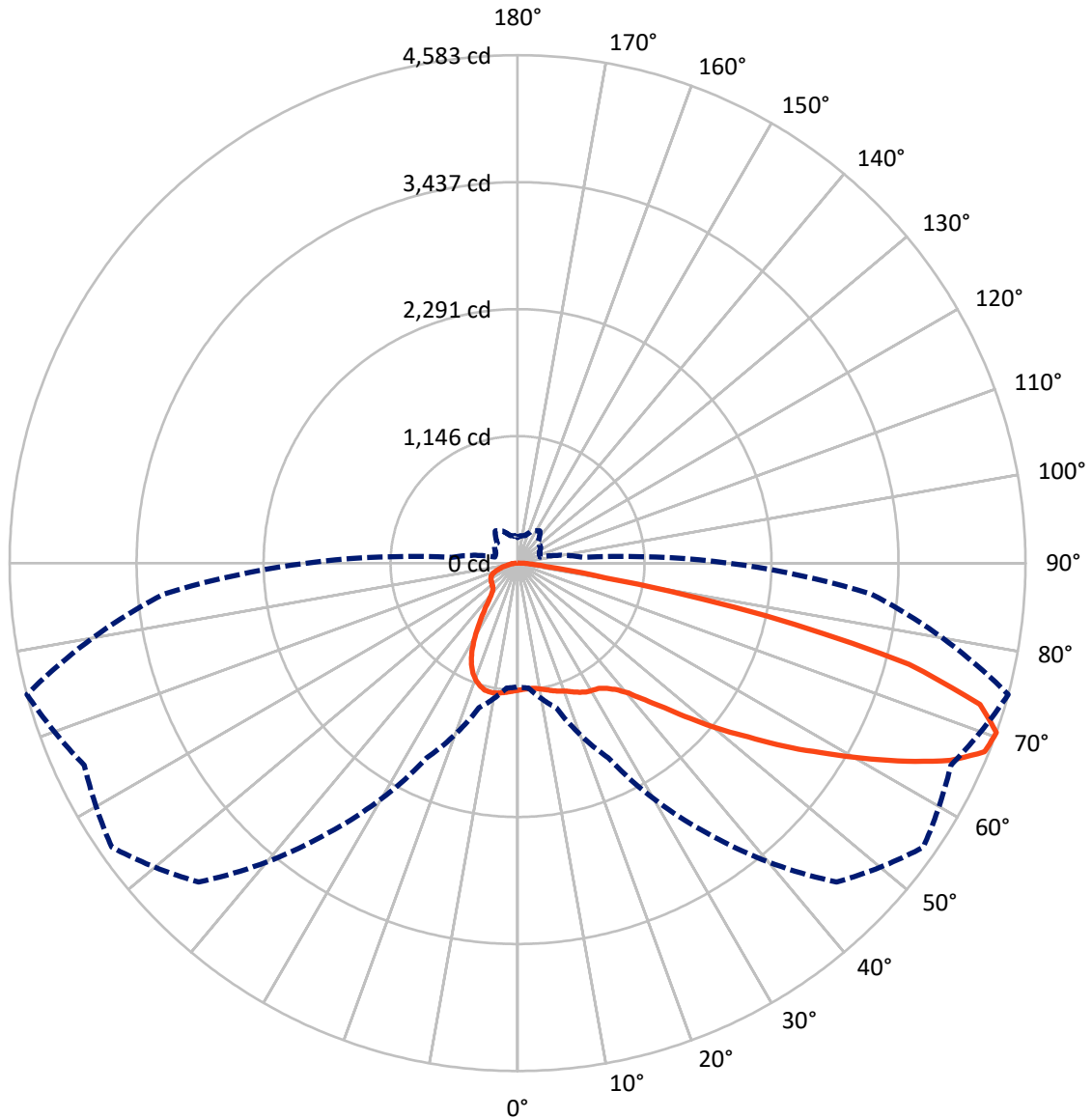
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 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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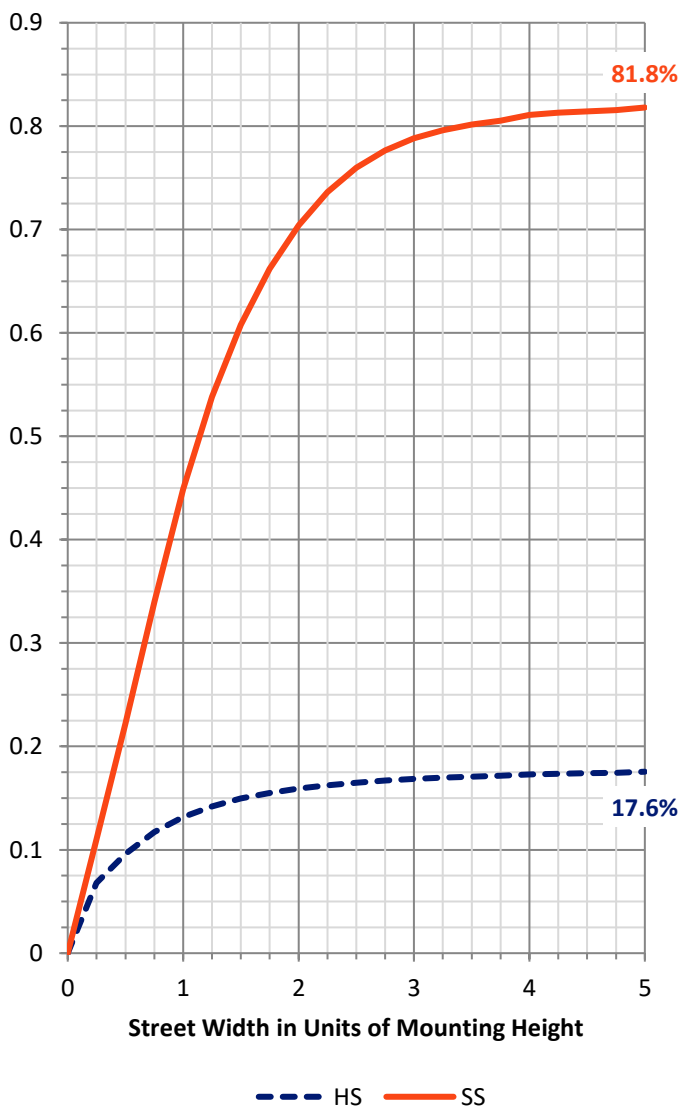
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1231.7	0.0	1231.7
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	5691.4	0.0	5691.4
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	6923.1	0.0	6923.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.0	1.5
10°-20°	274.9	4.0
20°-30°	463.2	6.7
30°-40°	703.5	10.2
40°-50°	1007.9	14.6
50°-60°	1336.3	19.3
60°-70°	1672.3	24.2
70°-80°	1221.2	17.6
80°-90°	140.8	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°	6923.1	100.0
0°-180°	6923.1	100.0



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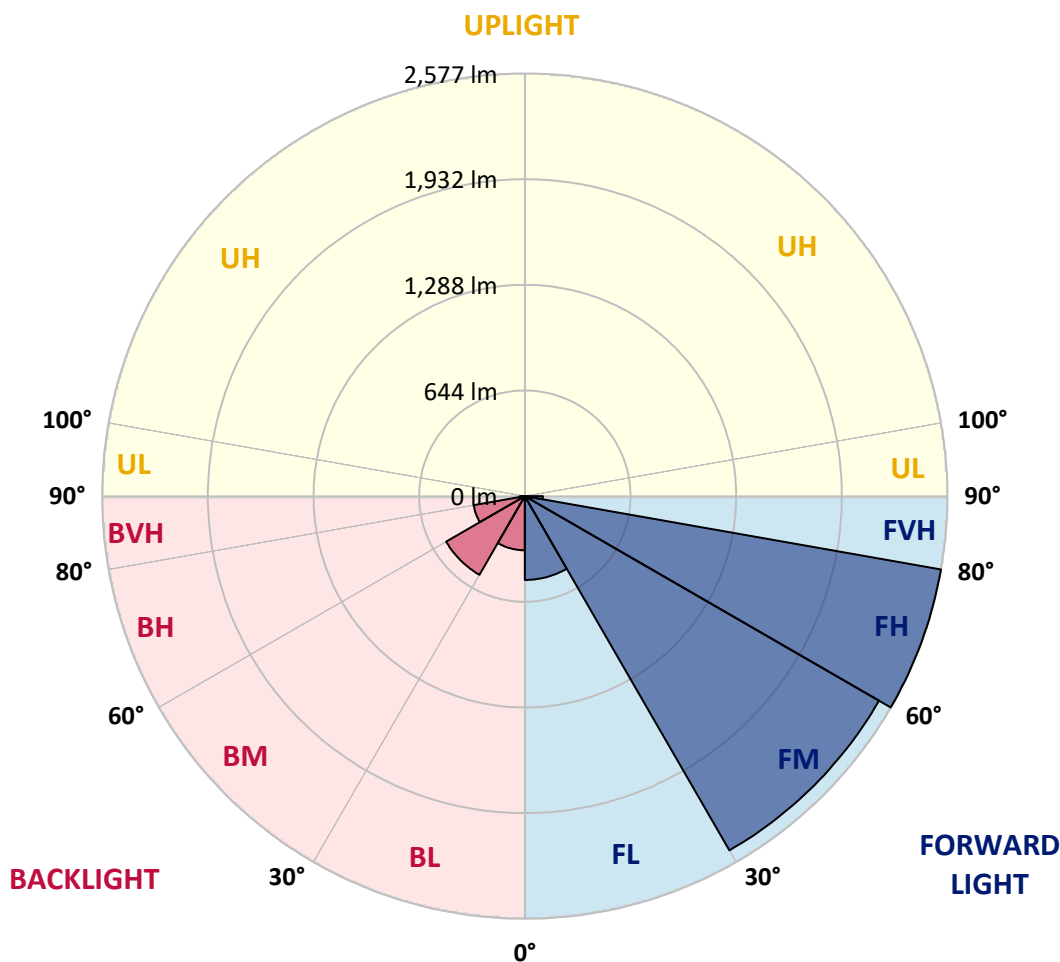
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	511.0	7.4			
FM (30°-60°)	2493.9	36.0			
FH (60°-80°)	2576.6	37.2			G2/5000
FVH (80°-90°)	109.9	1.6			G2/225
BL (0°-30°)	330.2	4.8	B1/500		
BM (30°-60°)	553.8	8.0	B1/1000		
BH (60°-80°)	316.8	4.6	B1/500		G1/500
BVH (80°-90°)	30.9	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°	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8
2.5°	1084.0	1090.0	1095.5	1101.0	1105.4	1117.4	1119.9	1132.8	1136.3	1139.3	1143.3
5°	1023.2	1027.7	1033.2	1042.2	1051.6	1073.1	1088.0	1116.4	1132.3	1137.3	1151.3
7.5°	990.4	991.9	999.3	1006.8	1017.8	1038.7	1059.1	1103.4	1135.3	1140.8	1170.7
10°	966.4	968.4	975.4	985.9	996.8	1016.3	1041.7	1094.5	1146.3	1154.8	1197.1
12.5°	958.0	957.0	965.0	971.9	987.4	1011.8	1038.2	1095.0	1161.2	1173.2	1235.5
15°	991.9	985.4	990.4	987.9	992.8	1016.8	1048.1	1105.9	1179.7	1194.6	1275.3
17.5°	1066.6	1061.1	1057.6	1036.2	1022.2	1035.7	1065.6	1121.4	1199.1	1215.0	1311.2
20°	1178.2	1162.7	1149.8	1113.9	1075.0	1070.6	1091.5	1136.8	1217.5	1233.0	1349.0
22.5°	1305.2	1292.7	1271.8	1209.1	1148.8	1118.9	1124.4	1165.2	1244.4	1261.4	1392.4
25°	1465.6	1465.1	1422.3	1337.6	1246.4	1186.1	1174.7	1210.5	1274.8	1291.3	1428.2
27.5°	1648.4	1636.0	1585.2	1476.1	1361.5	1269.3	1242.4	1256.9	1299.2	1316.2	1457.1
30°	1804.9	1806.4	1754.5	1635.5	1484.0	1350.5	1299.7	1290.3	1315.2	1332.1	1484.0
32.5°	1972.2	1963.8	1916.5	1793.9	1616.6	1437.7	1336.6	1314.2	1331.6	1347.5	1521.4
35°	2129.7	2120.2	2079.4	1947.3	1762.5	1533.9	1386.4	1351.5	1370.5	1387.9	1567.2
37.5°	2279.6	2281.1	2234.8	2108.7	1904.0	1647.4	1460.1	1407.8	1428.2	1447.7	1637.0
40°	2410.6	2403.2	2367.3	2253.7	2051.0	1763.0	1543.3	1484.5	1524.4	1542.3	1725.2
42.5°	2452.5	2452.0	2465.9	2396.2	2205.4	1900.5	1646.9	1604.1	1660.4	1687.3	1833.3
45°	2416.1	2427.1	2507.8	2505.8	2359.8	2058.4	1788.4	1749.6	1830.8	1861.2	1965.3
47.5°	2380.2	2396.7	2506.3	2568.6	2498.3	2232.3	1962.3	1933.4	2050.0	2093.8	2102.3
50°	2327.9	2343.4	2473.9	2577.5	2583.0	2408.1	2187.5	2151.1	2301.0	2345.9	2251.2
52.5°	2269.7	2281.6	2416.6	2571.0	2623.4	2545.6	2408.1	2397.7	2570.0	2606.4	2402.7
55°	1947.8	1998.6	2332.4	2557.1	2651.2	2650.8	2622.9	2657.2	2863.5	2917.8	2571.5
57.5°	1763.0	1789.9	2095.3	2549.1	2703.6	2747.9	2844.5	2918.3	3176.8	3225.6	2757.9
60°	1702.7	1726.6	1976.2	2539.7	2807.7	2899.8	3061.2	3180.8	3513.6	3573.4	2966.1
62.5°	1647.9	1676.8	1927.9	2464.4	2933.7	3140.5	3319.8	3464.8	3868.8	3939.5	3173.3
65°	1536.3	1556.8	1839.2	2401.2	3053.3	3483.7	3692.9	3777.6	4213.0	4292.7	3310.8
67.5°	1343.6	1363.0	1639.5	2255.7	3131.0	3840.9	4100.9	4101.4	4479.0	4544.3	3339.7
70°	1116.9	1131.8	1351.5	1938.9	2969.1	4070.0	4469.1	4313.1	4554.3	4582.6	3202.2
72.5°	798.6	811.5	989.9	1433.2	2434.5	3884.2	4552.8	4304.2	4371.9	4363.0	2811.2
75°	492.2	517.1	606.3	874.8	1512.9	3056.3	4097.4	3900.2	3671.0	3646.1	2116.7
77.5°	320.8	333.8	410.0	516.1	667.5	1754.5	3112.1	2924.2	2318.0	2289.1	1137.8
80°	192.8	214.2	268.5	324.3	302.4	671.0	1777.0	1452.7	819.0	810.0	349.7
82.5°	103.6	123.0	189.3	200.8	169.9	237.1	643.6	472.3	262.0	259.0	131.0
85°	82.2	91.7	136.0	127.0	96.1	120.1	251.1	196.8	134.5	131.5	49.3
87.5°	49.8	62.8	103.1	85.7	47.8	43.3	115.1	93.2	63.3	58.8	19.4
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°	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8
2.5°	1150.8	1153.3	1155.7	1150.8	1152.8	1150.3	1150.3	1150.3	1143.8	1141.8	1147.8
5°	1161.7	1165.2	1167.2	1151.8	1142.3	1128.4	1116.9	1099.5	1089.5	1083.0	1083.0
7.5°	1184.1	1188.1	1179.2	1144.8	1111.4	1074.0	1035.7	1003.8	980.9	970.9	973.9
10°	1217.0	1218.5	1188.6	1125.4	1054.1	984.9	930.6	888.2	859.8	845.4	843.4
12.5°	1255.4	1248.9	1190.6	1082.5	976.9	883.7	817.5	762.7	726.3	712.4	705.4
15°	1293.2	1277.8	1183.1	1031.2	889.2	777.1	692.5	640.6	618.2	611.8	609.3
17.5°	1327.1	1298.2	1158.2	957.5	787.6	652.6	590.3	571.9	574.4	580.4	582.9
20°	1358.0	1313.7	1122.4	869.8	660.6	555.5	540.0	557.0	570.9	579.9	581.4
22.5°	1391.9	1328.6	1072.6	763.2	556.5	510.6	529.1	548.5	562.4	571.4	572.9
25°	1417.8	1328.1	1002.3	636.7	490.7	498.7	520.6	538.0	548.5	555.0	554.5
27.5°	1434.2	1316.2	910.2	532.5	464.8	490.2	511.1	522.6	528.6	533.5	533.0
30°	1439.2	1293.2	794.1	455.8	452.8	482.2	498.2	505.1	509.6	514.6	514.6
32.5°	1449.2	1257.9	666.1	413.0	443.9	474.3	483.7	489.2	485.7	473.3	470.8
35°	1460.1	1218.5	545.0	393.1	435.4	468.8	477.7	463.3	425.4	420.5	418.5
37.5°	1481.6	1182.2	442.4	379.1	433.4	471.8	479.2	421.5	389.6	374.1	371.6
40°	1517.9	1145.8	373.6	369.1	435.9	484.7	459.3	401.5	348.7	319.3	314.3
42.5°	1565.7	1101.4	334.8	364.2	442.9	505.6	452.3	373.1	315.3	295.4	292.4
45°	1621.0	1042.7	316.3	363.2	451.3	516.1	454.3	350.2	300.4	285.0	284.0
47.5°	1678.3	984.9	308.4	362.2	461.8	511.6	426.9	343.2	294.4	289.9	292.9
50°	1740.1	919.1	301.9	359.7	470.3	511.6	412.0	341.7	296.4	306.4	316.3
52.5°	1797.9	863.8	294.4	352.2	473.8	502.7	407.5	347.2	299.4	296.9	299.9
55°	1868.1	835.4	290.4	341.7	467.3	475.3	402.0	362.2	301.9	281.5	281.5
57.5°	1948.3	829.4	284.5	327.8	446.4	437.4	401.5	371.1	295.4	276.5	273.0
60°	2045.0	842.4	277.0	310.4	421.0	408.0	398.0	371.1	285.0	268.0	269.5
62.5°	2123.2	840.9	272.5	294.9	387.1	377.6	391.6	366.2	281.0	267.0	266.5
65°	2141.6	809.0	259.5	275.0	345.2	340.7	384.6	353.7	275.5	261.5	257.6
67.5°	2079.4	736.8	240.1	248.6	300.9	301.4	372.1	337.3	268.0	258.5	252.1
70°	1902.5	595.8	211.2	216.7	253.1	259.5	353.7	317.8	255.6	245.6	230.2
72.5°	1592.1	428.4	177.8	179.3	201.3	218.2	321.8	291.4	237.1	213.7	197.3
75°	1178.7	284.5	145.0	143.0	150.9	177.3	275.0	262.0	213.2	177.3	168.9
77.5°	623.2	168.4	111.6	112.1	107.1	136.0	218.2	227.7	189.3	149.5	141.0
80°	213.2	101.1	80.2	83.7	75.7	97.1	161.9	189.3	161.9	124.5	110.1
82.5°	97.6	61.8	57.3	59.8	54.3	65.8	111.1	143.5	129.0	90.7	73.2
85°	49.3	36.9	36.9	40.4	35.9	33.9	61.3	95.2	94.7	62.3	53.8
87.5°	20.4	17.9	16.9	19.4	16.9	13.0	17.4	34.4	49.8	37.4	23.9
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)