

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: P672295

Luminaire Tested: **CCP-SA-2C-827-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672295  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-827-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

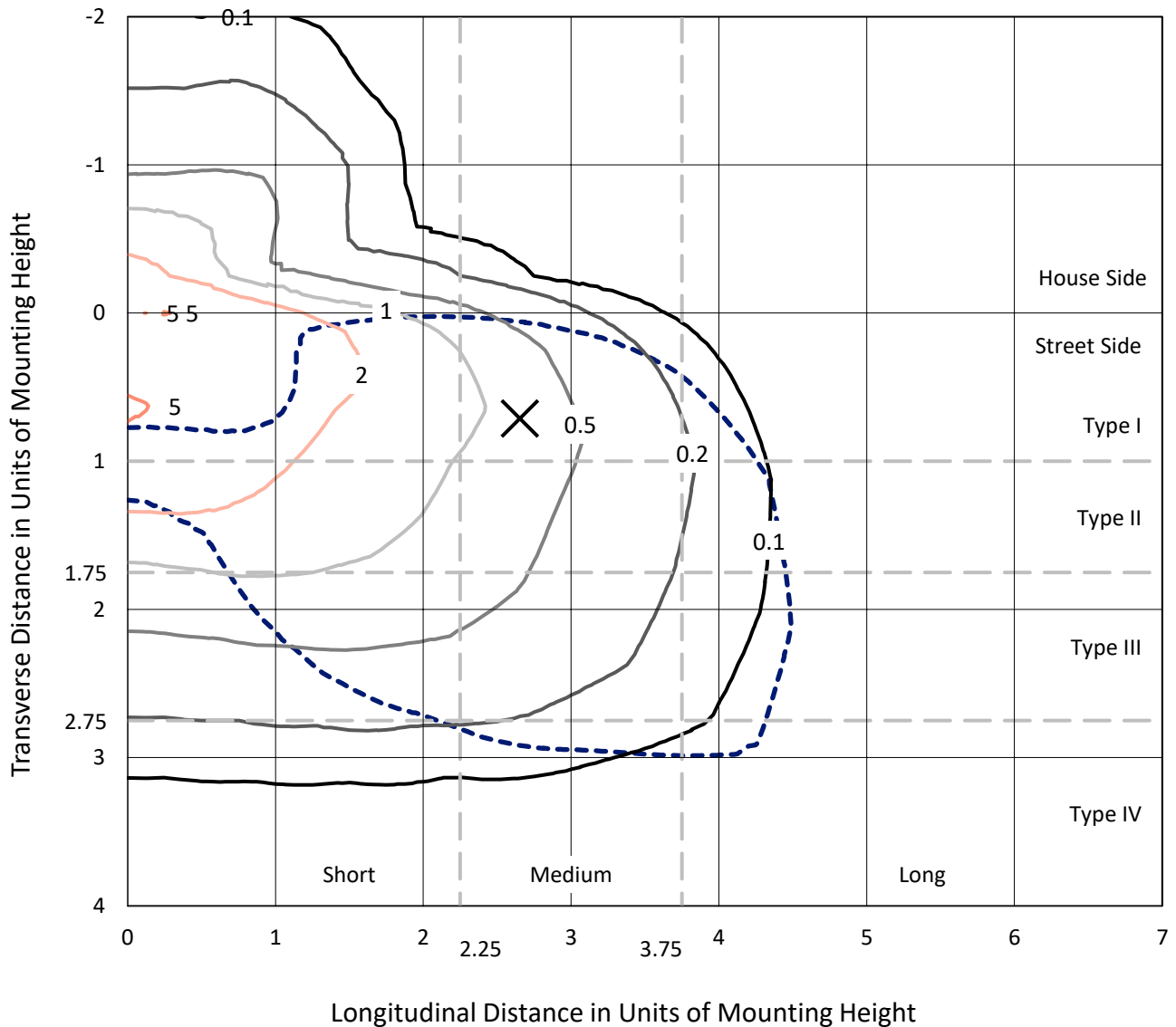
Lumens per Lamp: N/A  
Luminaire Lumens: 6755.3 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (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

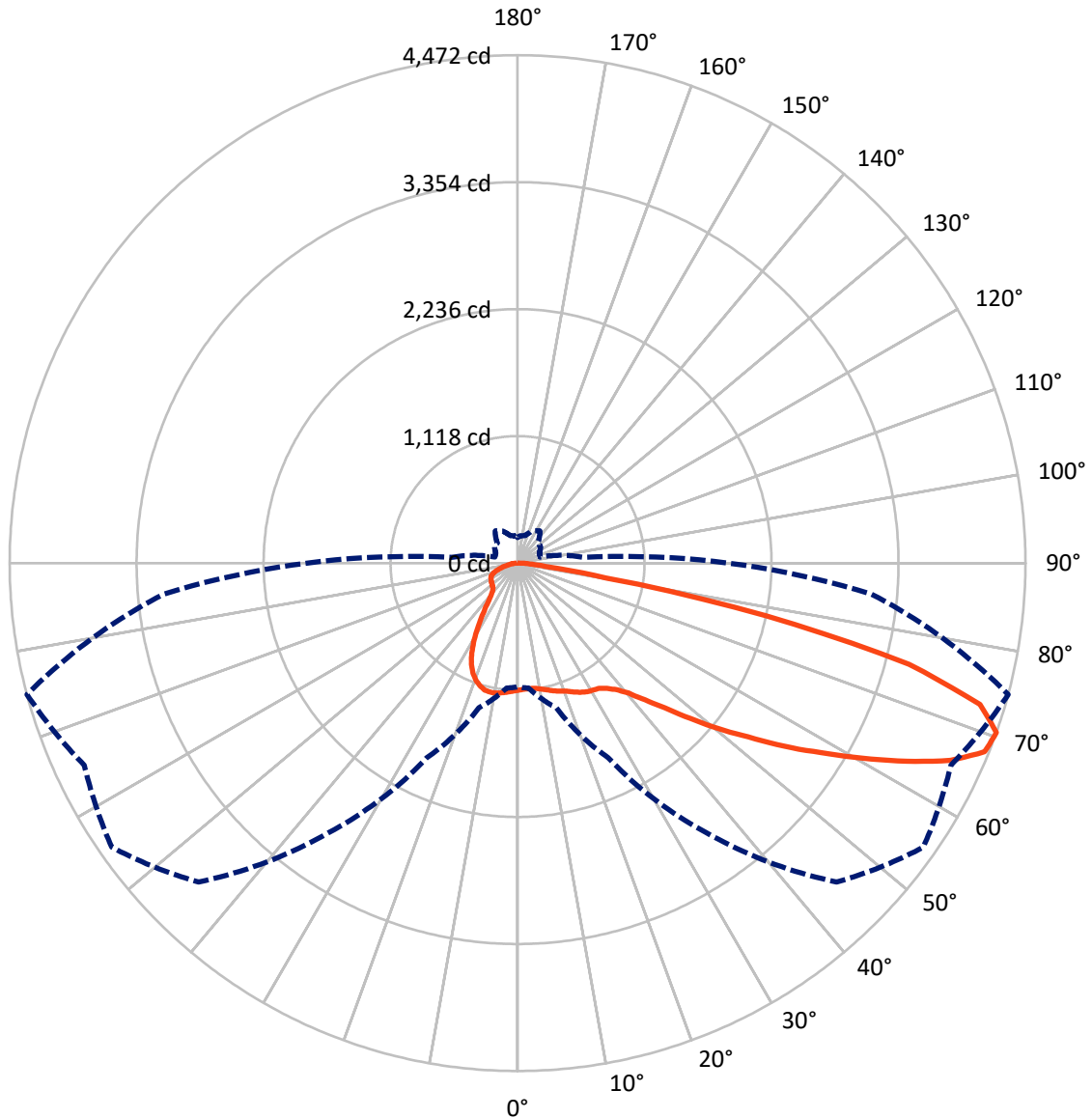
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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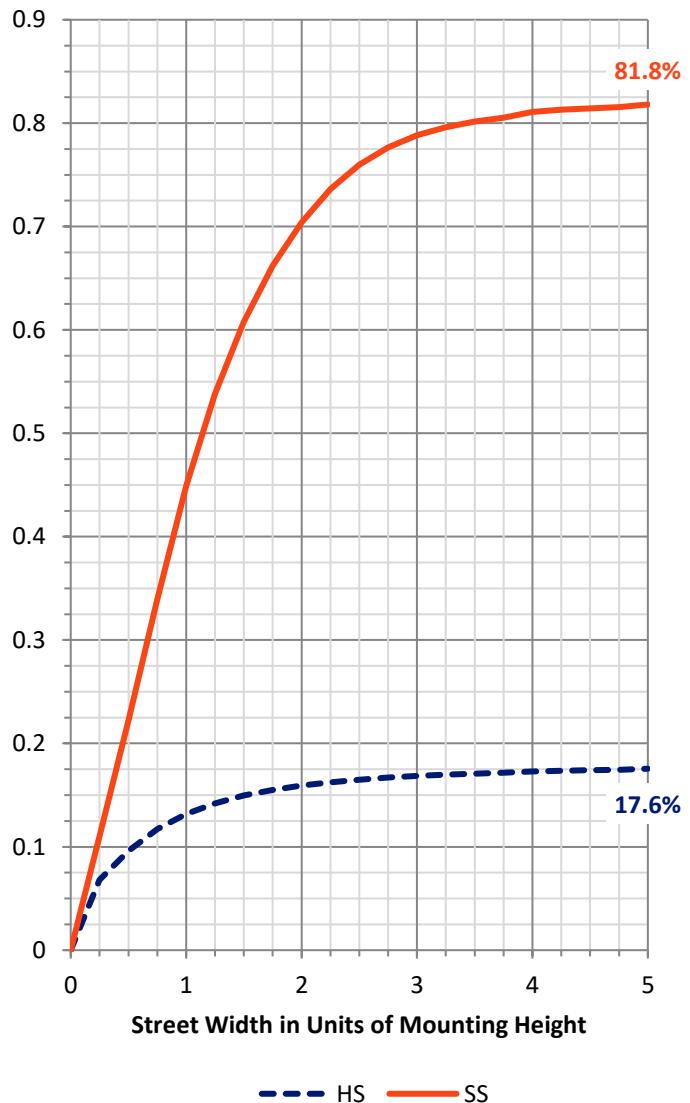
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1201.8	0.0	1201.8
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	5553.4	0.0	5553.4
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	6755.3	0.0	6755.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.5	1.5
10°-20°	268.3	4.0
20°-30°	452.0	6.7
30°-40°	686.5	10.2
40°-50°	983.5	14.6
50°-60°	1303.9	19.3
60°-70°	1631.7	24.2
70°-80°	1191.6	17.6
80°-90°	137.4	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°	6755.3	100.0
0°-180°	6755.3	100.0



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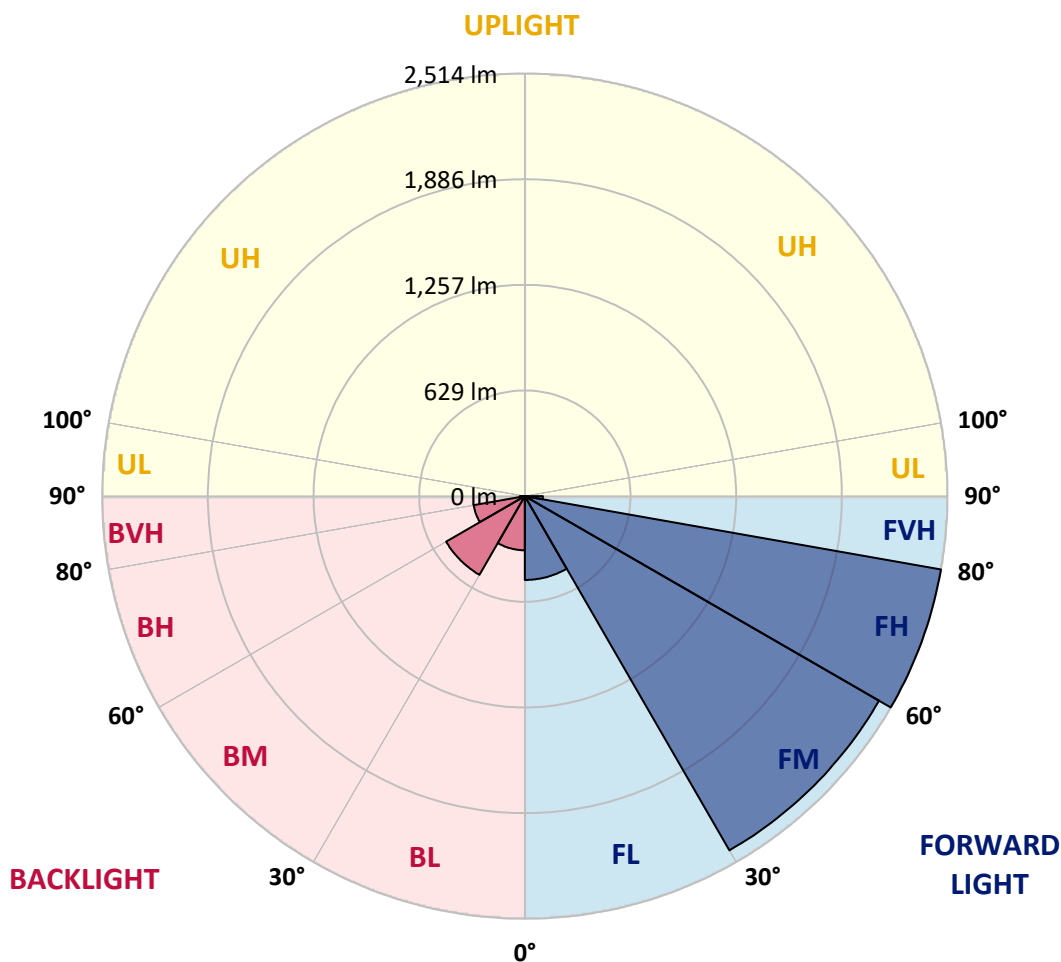
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.6	7.4			
FM (30°-60°)	2433.5	36.0			
FH (60°-80°)	2514.1	37.2			G2/5000
FVH (80°-90°)	107.2	1.6			G2/225
BL (0°-30°)	322.2	4.8	B1/500		
BM (30°-60°)	540.4	8.0	B1/1000		
BH (60°-80°)	309.2	4.6	B1/500		G1/500
BVH (80°-90°)	30.2	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°	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
2.5°	1057.7	1063.6	1068.9	1074.3	1078.6	1090.3	1092.7	1105.4	1108.8	1111.7	1115.6
5°	998.4	1002.8	1008.1	1016.9	1026.1	1047.0	1061.6	1089.3	1104.9	1109.7	1123.4
7.5°	966.3	967.8	975.1	982.4	993.1	1013.5	1033.4	1076.7	1107.8	1113.1	1142.3
10°	943.0	945.0	951.8	962.0	972.7	991.6	1016.4	1067.9	1118.5	1126.8	1168.1
12.5°	934.7	933.8	941.6	948.4	963.4	987.2	1013.0	1068.4	1133.1	1144.7	1205.5
15°	967.8	961.5	966.3	963.9	968.8	992.1	1022.7	1079.1	1151.1	1165.6	1244.4
17.5°	1040.7	1035.4	1032.0	1011.1	997.5	1010.6	1039.7	1094.2	1170.0	1185.6	1279.4
20°	1149.6	1134.5	1121.9	1086.9	1049.0	1044.6	1065.0	1109.3	1188.0	1203.1	1316.3
22.5°	1273.6	1261.4	1241.0	1179.7	1120.9	1091.8	1097.1	1137.0	1214.2	1230.8	1358.6
25°	1430.1	1429.6	1387.8	1305.1	1216.2	1157.4	1146.2	1181.2	1243.9	1259.9	1393.6
27.5°	1608.5	1596.3	1546.7	1440.3	1328.5	1238.6	1212.3	1226.4	1267.7	1284.2	1421.8
30°	1761.1	1762.6	1712.0	1595.8	1448.1	1317.8	1268.2	1259.0	1283.3	1299.8	1448.1
32.5°	1924.4	1916.2	1870.0	1750.4	1577.4	1402.9	1304.2	1282.3	1299.3	1314.9	1484.5
35°	2078.0	2068.8	2028.9	1900.1	1719.8	1496.7	1352.8	1318.8	1337.2	1354.2	1529.2
37.5°	2224.3	2225.8	2180.6	2057.6	1857.8	1607.5	1424.7	1373.7	1393.6	1412.6	1597.3
40°	2352.2	2344.9	2309.9	2199.1	2001.2	1720.3	1505.9	1448.5	1487.4	1504.9	1683.3
42.5°	2393.0	2392.5	2406.1	2338.1	2151.9	1854.4	1607.0	1565.2	1620.1	1646.4	1788.8
45°	2357.5	2368.2	2447.0	2445.0	2302.6	2008.5	1745.1	1707.1	1786.4	1816.0	1917.6
47.5°	2322.5	2338.6	2445.5	2506.3	2437.7	2178.2	1914.7	1886.5	2000.3	2043.0	2051.3
50°	2271.5	2286.6	2413.9	2515.0	2520.4	2349.8	2134.4	2098.9	2245.2	2289.0	2196.6
52.5°	2214.6	2226.3	2358.0	2508.7	2559.7	2483.9	2349.8	2339.5	2507.7	2543.2	2344.4
55°	1900.6	1950.2	2275.9	2495.1	2587.0	2586.5	2559.3	2592.8	2794.0	2847.0	2509.2
57.5°	1720.3	1746.5	2044.5	2487.3	2638.0	2681.3	2775.6	2847.5	3099.8	3147.4	2691.0
60°	1661.5	1684.8	1928.3	2478.1	2739.6	2829.5	2987.0	3103.7	3428.4	3486.7	2894.2
62.5°	1608.0	1636.2	1881.2	2404.7	2862.6	3064.3	3239.3	3380.7	3775.0	3844.0	3096.4
65°	1499.1	1519.0	1794.6	2342.9	2979.2	3399.2	3603.4	3686.0	4110.9	4188.6	3230.5
67.5°	1311.0	1329.9	1599.7	2201.0	3055.1	3747.7	4001.5	4002.0	4370.4	4434.1	3258.7
70°	1089.8	1104.4	1318.8	1891.9	2897.1	3971.3	4360.7	4208.6	4443.8	4471.5	3124.6
72.5°	779.2	791.8	965.9	1398.5	2375.5	3790.0	4442.4	4199.8	4265.9	4257.2	2743.0
75°	480.3	504.6	591.6	853.6	1476.3	2982.2	3998.1	3805.6	3582.0	3557.7	2065.4
77.5°	313.0	325.7	400.1	503.6	651.4	1712.0	3036.6	2853.3	2261.8	2233.6	1110.2
80°	188.1	209.0	262.0	316.4	295.1	654.8	1733.9	1417.4	799.1	790.4	341.2
82.5°	101.1	120.1	184.7	195.9	165.8	231.4	628.0	460.8	255.7	252.8	127.8
85°	80.2	89.4	132.7	124.0	93.8	117.1	245.0	192.0	131.2	128.3	48.1
87.5°	48.6	61.2	100.6	83.6	46.7	42.3	112.3	90.9	61.7	57.4	19.0
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°	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
2.5°	1122.9	1125.3	1127.7	1122.9	1124.8	1122.4	1122.4	1122.4	1116.1	1114.1	1119.9
5°	1133.6	1137.0	1138.9	1123.8	1114.6	1101.0	1089.8	1072.8	1063.1	1056.8	1056.8
7.5°	1155.4	1159.3	1150.6	1117.0	1084.5	1048.0	1010.6	979.5	957.1	947.4	950.3
10°	1187.5	1189.0	1159.8	1098.1	1028.6	961.0	908.0	866.7	839.0	824.9	822.9
12.5°	1224.9	1218.6	1161.8	1056.3	953.2	862.3	797.7	744.2	708.7	695.1	688.3
15°	1261.9	1246.8	1154.5	1006.2	867.7	758.3	675.7	625.1	603.2	596.9	594.5
17.5°	1294.9	1266.7	1130.2	934.3	768.5	636.8	576.0	558.0	560.5	566.3	568.7
20°	1325.1	1281.8	1095.2	848.7	644.6	542.0	526.9	543.4	557.1	565.8	567.3
22.5°	1358.1	1296.4	1046.5	744.7	543.0	498.2	516.2	535.2	548.8	557.5	559.0
25°	1383.4	1295.9	978.0	621.2	478.8	486.6	508.0	525.0	535.2	541.5	541.0
27.5°	1399.4	1284.2	888.1	519.6	453.5	478.3	498.7	509.9	515.7	520.6	520.1
30°	1404.3	1261.9	774.8	444.8	441.9	470.5	486.1	492.9	497.3	502.1	502.1
32.5°	1414.0	1227.4	649.9	403.0	433.1	462.8	472.0	477.3	473.9	461.8	459.4
35°	1424.7	1189.0	531.8	383.5	424.8	457.4	466.2	452.1	415.1	410.3	408.3
37.5°	1445.6	1153.5	431.6	369.9	422.9	460.3	467.6	411.2	380.1	365.1	362.6
40°	1481.1	1118.0	364.6	360.2	425.3	473.0	448.2	391.8	340.3	311.6	306.7
42.5°	1527.8	1074.7	326.7	355.3	432.1	493.4	441.4	364.1	307.7	288.3	285.3
45°	1581.7	1017.4	308.7	354.4	440.4	503.6	443.3	341.7	293.1	278.0	277.1
47.5°	1637.6	961.0	300.9	353.4	450.6	499.2	416.6	334.9	287.3	282.9	285.8
50°	1697.9	896.8	294.6	351.0	458.9	499.2	402.0	333.5	289.2	298.9	308.7
52.5°	1754.3	842.9	287.3	343.7	462.3	490.5	397.6	338.8	292.1	289.7	292.6
55°	1822.8	815.2	283.4	333.5	456.0	463.7	392.3	353.4	294.6	274.6	274.6
57.5°	1901.1	809.3	277.6	319.8	435.5	426.8	391.8	362.1	288.3	269.8	266.4
60°	1995.4	822.0	270.3	302.8	410.7	398.1	388.4	362.1	278.0	261.5	263.0
62.5°	2071.7	820.5	265.9	287.8	377.7	368.5	382.1	357.3	274.2	260.5	260.1
65°	2089.7	789.4	253.3	268.3	336.9	332.5	375.3	345.1	268.8	255.2	251.3
67.5°	2028.9	718.9	234.3	242.6	293.6	294.1	363.1	329.1	261.5	252.3	246.0
70°	1856.4	581.4	206.1	211.4	246.9	253.3	345.1	310.1	249.4	239.6	224.6
72.5°	1553.5	418.0	173.5	175.0	196.4	212.9	314.0	284.4	231.4	208.5	192.5
75°	1150.1	277.6	141.5	139.5	147.3	173.0	268.3	255.7	208.0	173.0	164.8
77.5°	608.1	164.3	108.9	109.4	104.5	132.7	212.9	222.1	184.7	145.8	137.6
80°	208.0	98.7	78.3	81.7	73.9	94.8	158.0	184.7	158.0	121.5	107.4
82.5°	95.3	60.3	55.9	58.3	53.0	64.2	108.4	140.0	125.9	88.5	71.5
85°	48.1	36.0	36.0	39.4	35.0	33.1	59.8	92.8	92.4	60.8	52.5
87.5°	19.9	17.5	16.5	19.0	16.5	12.6	17.0	33.5	48.6	36.5	23.3
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)