

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: P671088

Luminaire Tested: **CCP-SA-2C-730-U-T4W**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671088  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-730-U-T4W  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

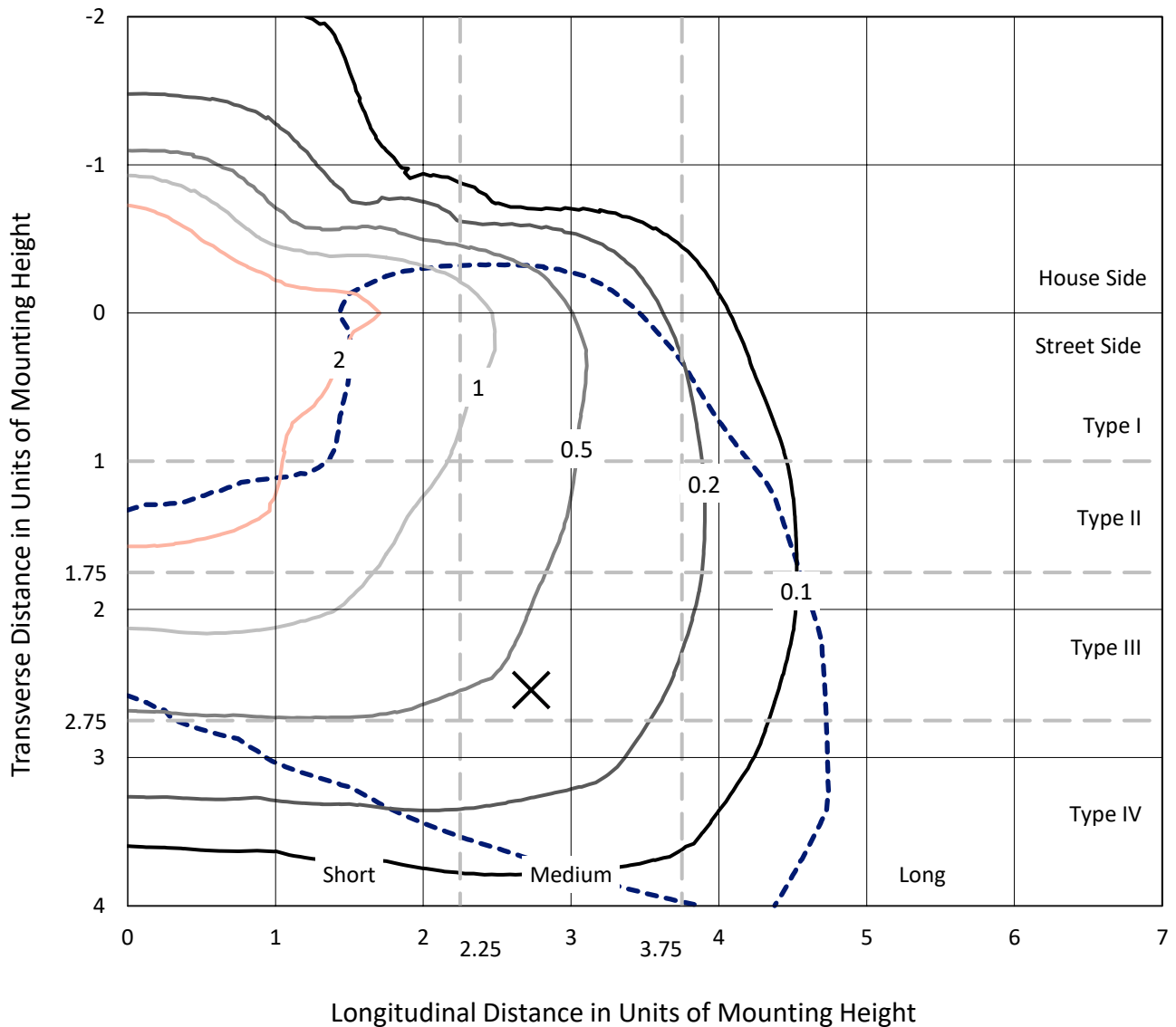
Lumens per Lamp: N/A  
Luminaire Lumens: 8305.9 lumens  
Efficiency: N/A  
Efficacy: 133.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

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

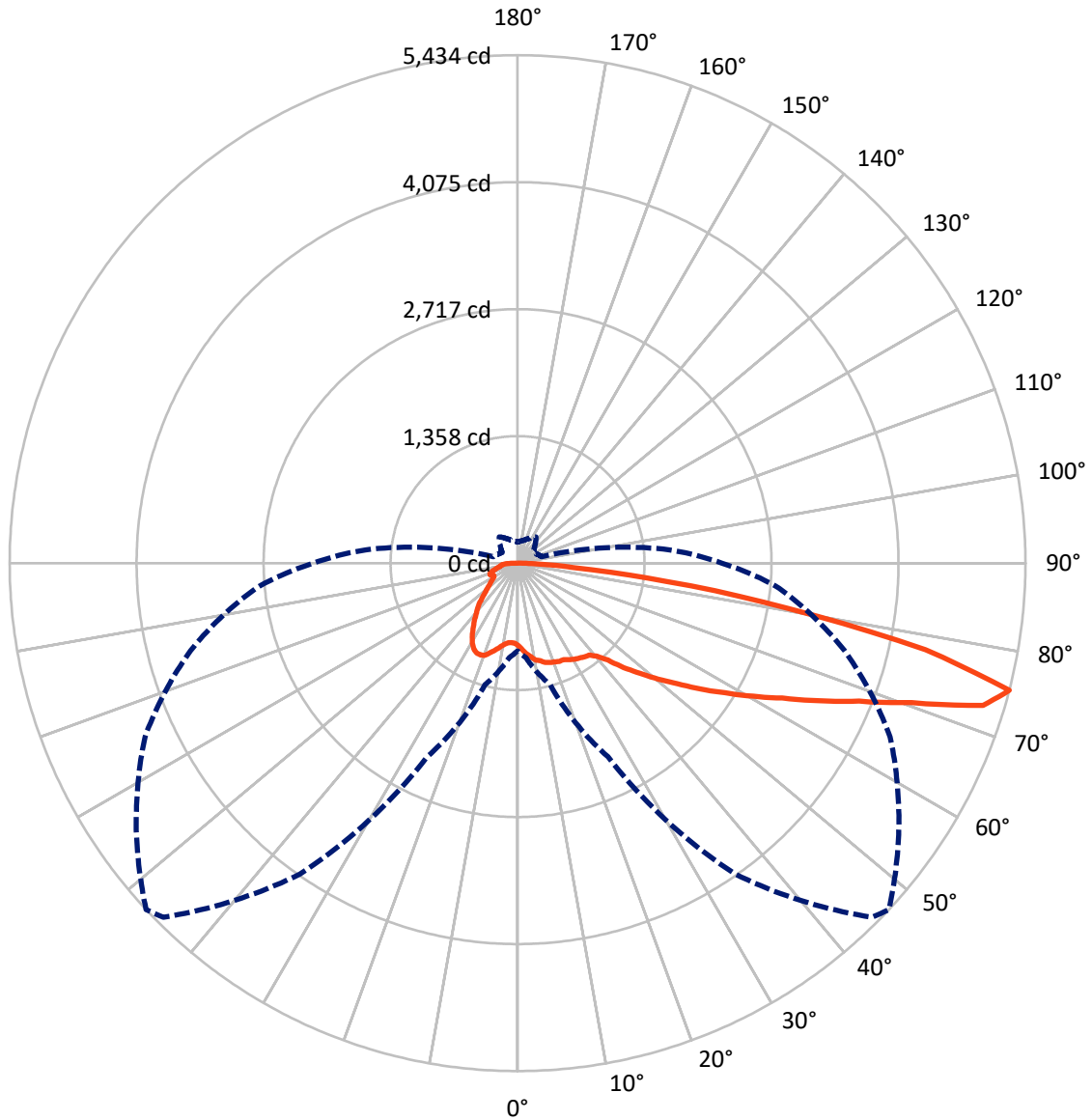
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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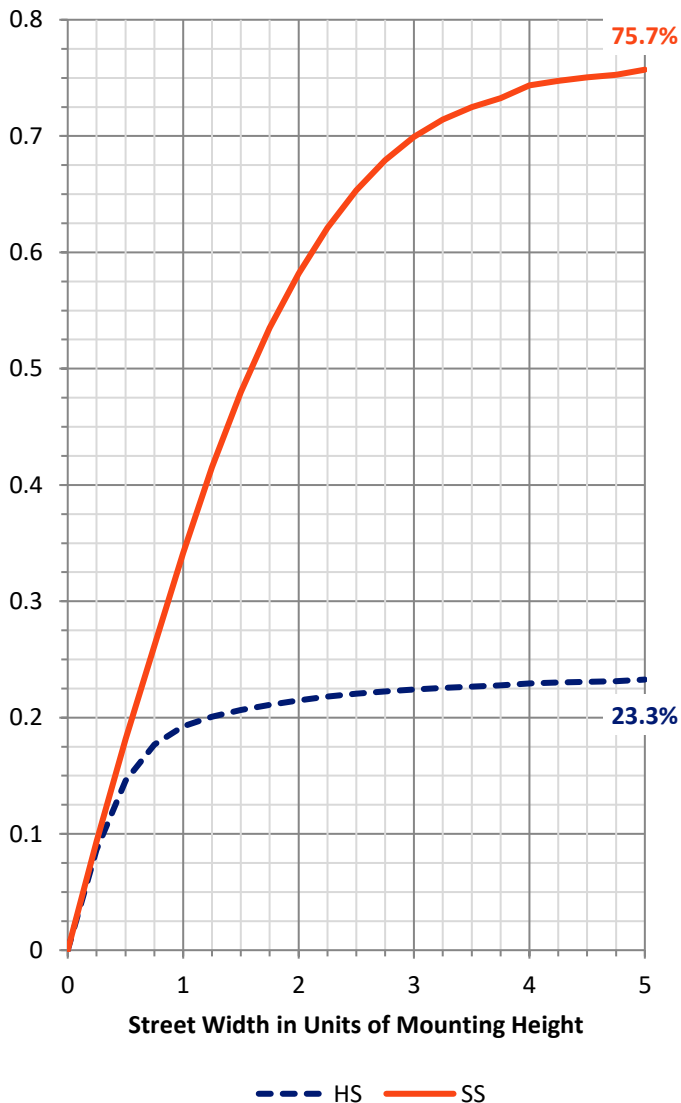
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1986.3	0.0	1986.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	6319.5	0.0	6319.5
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	8305.9	0.0	8305.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.2	1.1
10°-20°	296.1	3.6
20°-30°	507.1	6.1
30°-40°	709.5	8.5
40°-50°	989.3	11.9
50°-60°	1478.7	17.8
60°-70°	2132.0	25.7
70°-80°	1814.8	21.8
80°-90°	289.1	3.5
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°	8305.9	100.0
0°-180°	8305.9	100.0



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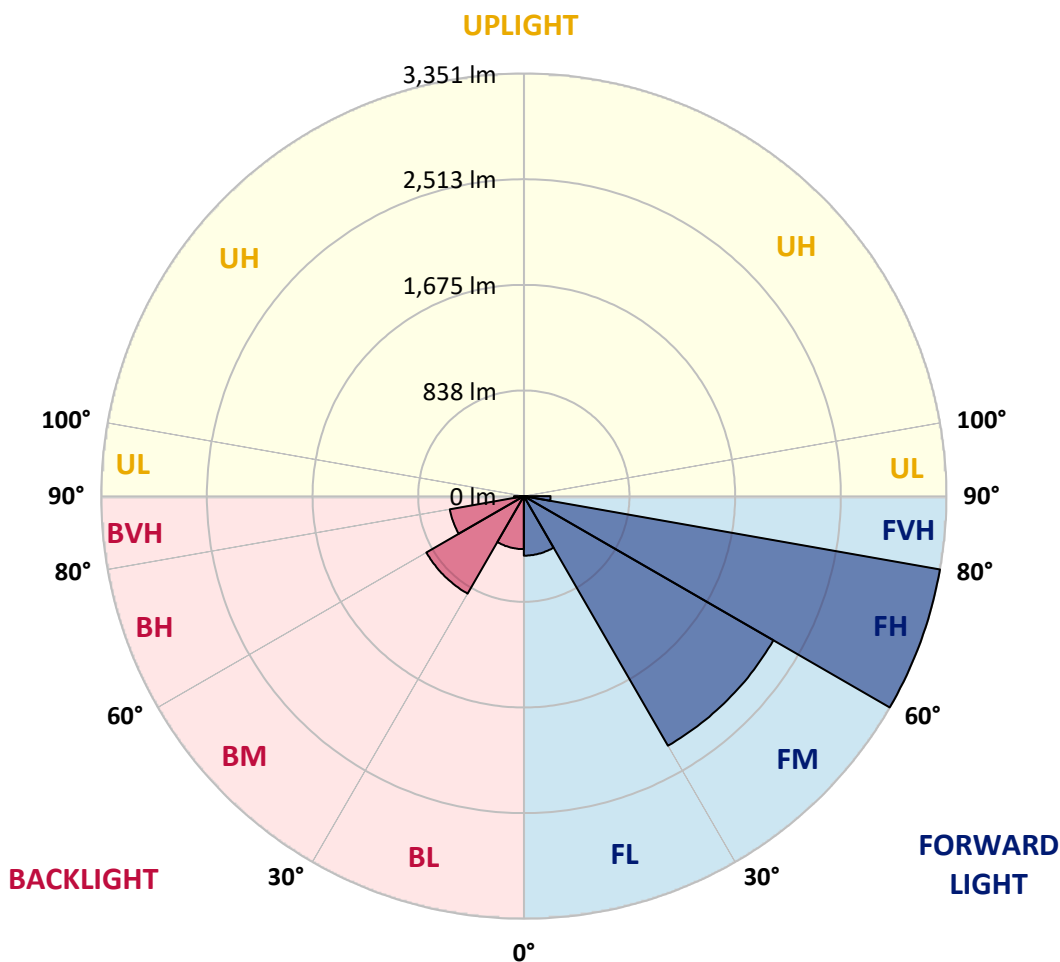
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.9	5.7			
FM (30°-60°)	2284.9	27.5			
FH (60°-80°)	3350.9	40.3			G2/5000
FVH (80°-90°)	211.8	2.6			G2/225
BL (0°-30°)	420.4	5.1	B1/500		
BM (30°-60°)	892.7	10.7	B1/1000		
BH (60°-80°)	595.9	7.2	B2/1000		G2/1000
BVH (80°-90°)	77.3	0.9			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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9
2.5°	945.5	948.6	948.6	942.5	936.5	924.3	924.3	912.2	906.2	891.0	884.9
5°	1033.4	1024.3	1015.3	1012.2	997.1	975.9	972.8	960.7	927.4	912.2	891.0
7.5°	1097.1	1094.0	1091.0	1078.9	1051.6	1018.3	1009.2	991.0	957.7	927.4	903.1
10°	1148.6	1160.7	1148.6	1121.3	1094.0	1057.7	1054.7	1021.3	991.0	954.6	924.3
12.5°	1206.2	1209.2	1188.0	1154.7	1112.2	1081.9	1069.8	1057.7	1024.3	994.0	948.6
15°	1245.6	1239.5	1224.4	1178.9	1130.4	1100.1	1103.1	1088.0	1051.6	1030.4	981.9
17.5°	1245.6	1245.6	1221.3	1188.0	1145.6	1118.3	1118.3	1109.2	1085.0	1054.7	1021.3
20°	1221.3	1221.3	1206.2	1188.0	1139.5	1133.4	1127.4	1121.3	1121.3	1094.0	1045.6
22.5°	1191.0	1185.0	1191.0	1160.7	1127.4	1133.4	1142.5	1139.5	1130.4	1106.2	1072.8
25°	1160.7	1163.8	1169.8	1148.6	1118.3	1145.6	1142.5	1157.7	1151.6	1133.4	1106.2
27.5°	1157.7	1163.8	1166.8	1145.6	1133.4	1157.7	1169.8	1185.0	1188.0	1169.8	1136.5
30°	1203.2	1200.1	1197.1	1169.8	1160.7	1181.9	1194.1	1215.3	1233.5	1194.1	1166.8
32.5°	1321.3	1303.2	1285.0	1212.2	1185.0	1200.1	1212.2	1242.5	1245.6	1224.4	1185.0
35°	1509.2	1497.1	1436.5	1309.2	1233.5	1218.3	1230.4	1251.6	1257.7	1242.5	1212.2
37.5°	1724.4	1718.4	1633.5	1478.9	1333.5	1260.7	1248.6	1278.9	1303.2	1269.8	1227.4
40°	1936.6	1912.3	1851.7	1700.2	1460.8	1324.4	1309.2	1324.4	1333.5	1309.2	1281.9
42.5°	2127.5	2100.2	2085.1	1933.5	1627.4	1430.4	1418.3	1382.0	1409.2	1378.9	1342.6
45°	2288.1	2282.0	2276.0	2145.7	1818.4	1603.2	1594.1	1500.2	1530.5	1506.2	1454.7
47.5°	2403.3	2430.5	2421.5	2348.7	2036.6	1788.1	1760.8	1639.6	1685.0	1660.8	1609.3
50°	2539.6	2554.8	2545.7	2497.2	2239.6	2000.2	1948.7	1824.4	1875.9	1872.9	1845.6
52.5°	2660.9	2706.3	2654.8	2651.8	2530.6	2230.5	2142.6	2024.4	2109.3	2142.6	2139.6
55°	2803.3	2839.7	2824.5	2818.5	2791.2	2454.8	2376.0	2233.6	2376.0	2424.5	2466.9
57.5°	2924.5	2921.5	2979.1	3048.8	3082.1	2712.4	2618.4	2451.8	2666.9	2721.5	2839.7
60°	2979.1	3030.6	3127.6	3303.4	3397.3	2988.2	2891.2	2757.9	2960.9	3003.3	3221.5
62.5°	3015.5	3060.9	3248.8	3545.8	3600.4	3270.0	3179.1	3045.8	3282.1	3312.5	3636.7
65°	2915.4	2957.9	3330.6	3636.7	3830.7	3573.1	3551.9	3412.5	3603.4	3621.6	4073.1
67.5°	2800.3	2845.7	3260.9	3751.9	4136.8	3976.2	3942.8	3776.1	3921.6	3900.4	4406.5
70°	2597.2	2657.8	3082.1	3851.9	4476.2	4539.8	4473.2	4236.8	4251.9	4051.9	4421.7
72.5°	1979.0	2018.4	2412.4	3454.9	4633.8	5321.7	5206.6	4733.8	4561.1	4082.2	3903.4
75°	939.5	1012.2	1345.6	2285.1	4061.0	5358.1	5433.9	4979.3	4397.4	3621.6	2766.9
77.5°	272.8	272.8	409.1	969.8	2545.7	4318.6	4461.1	4227.7	3627.6	2682.1	1454.7
80°	148.5	157.6	215.2	342.5	1118.3	2724.5	2930.6	2803.3	2136.6	1060.7	375.8
82.5°	84.9	87.9	142.4	206.1	509.1	1482.0	1603.2	1454.7	812.2	321.2	175.8
85°	48.5	51.5	81.8	136.4	303.1	545.5	594.0	515.2	327.3	215.2	87.9
87.5°	24.2	24.2	39.4	63.6	154.6	154.6	151.5	184.9	197.0	130.3	39.4
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°	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9
2.5°	881.9	878.9	878.9	866.8	863.7	854.6	854.6	848.6	845.5	854.6	854.6
5°	884.9	869.8	866.8	854.6	857.7	851.6	863.7	857.7	854.6	854.6	851.6
7.5°	891.0	875.8	863.7	854.6	851.6	860.7	875.8	875.8	894.0	884.9	884.9
10°	906.2	897.1	881.9	875.8	875.8	884.9	903.1	915.2	930.4	930.4	921.3
12.5°	942.5	927.4	909.2	900.1	912.2	921.3	939.5	951.6	969.8	975.9	969.8
15°	969.8	954.6	948.6	942.5	951.6	963.7	978.9	991.0	1012.2	1018.3	1015.3
17.5°	1006.2	988.0	984.9	988.0	994.0	1003.1	1012.2	1021.3	1036.5	1036.5	1036.5
20°	1024.3	1018.3	1015.3	1024.3	1036.5	1048.6	1042.5	1036.5	1033.4	1039.5	1036.5
22.5°	1057.7	1051.6	1054.7	1063.7	1063.7	1057.7	1048.6	1027.4	1021.3	1027.4	1021.3
25°	1088.0	1081.9	1081.9	1075.9	1072.8	1051.6	1033.4	1015.3	994.0	1003.1	1000.1
27.5°	1118.3	1115.3	1115.3	1091.0	1060.7	1024.3	1000.1	978.9	966.8	981.9	972.8
30°	1154.7	1157.7	1142.5	1085.0	1012.2	972.8	945.5	942.5	939.5	948.6	945.5
32.5°	1188.0	1191.0	1166.8	1075.9	975.9	900.1	872.8	875.8	891.0	906.2	921.3
35°	1206.2	1221.3	1191.0	1045.6	903.1	818.3	788.0	815.2	842.5	863.7	878.9
37.5°	1239.5	1278.9	1227.4	1012.2	839.5	745.5	724.3	733.4	766.7	800.1	815.2
40°	1288.0	1333.5	1236.5	948.6	754.6	672.8	660.7	663.7	675.8	697.0	712.2
42.5°	1372.9	1421.4	1245.6	866.8	669.8	627.3	594.0	584.9	575.8	575.8	572.8
45°	1497.1	1542.6	1233.5	763.7	584.9	554.6	530.4	509.1	484.9	445.5	451.6
47.5°	1679.0	1715.3	1242.5	672.8	506.1	481.9	463.7	439.4	403.1	360.6	357.6
50°	1954.7	1900.2	1230.4	578.8	448.5	427.3	412.2	378.8	336.4	306.1	303.1
52.5°	2276.0	2166.9	1218.3	500.1	400.0	381.9	369.7	333.4	294.0	278.8	275.8
55°	2663.9	2506.3	1236.5	430.3	363.7	348.5	336.4	303.1	272.8	260.6	257.6
57.5°	3121.5	2873.0	1336.5	375.8	324.3	318.2	315.2	287.9	260.6	251.5	248.5
60°	3551.9	3224.6	1403.2	336.4	287.9	294.0	300.0	287.9	257.6	251.5	251.5
62.5°	3912.5	3515.5	1297.1	303.1	269.7	287.9	315.2	306.1	294.0	300.0	294.0
65°	4230.7	3615.5	969.8	284.9	260.6	303.1	348.5	345.5	318.2	324.3	321.2
67.5°	4285.3	3494.3	633.4	269.7	254.6	333.4	390.9	354.6	300.0	300.0	290.9
70°	4058.0	3170.0	424.3	254.6	251.5	333.4	400.0	333.4	281.8	281.8	269.7
72.5°	3330.6	2533.6	327.3	239.4	230.3	297.0	378.8	315.2	263.7	257.6	236.4
75°	2188.1	1633.5	266.7	227.3	200.0	260.6	342.5	290.9	251.5	233.4	224.3
77.5°	1072.8	733.4	224.3	200.0	172.7	227.3	312.2	275.8	236.4	218.2	212.1
80°	294.0	263.7	187.9	175.8	145.5	197.0	294.0	263.7	221.2	203.1	194.0
82.5°	166.7	163.7	151.5	142.4	121.2	197.0	297.0	263.7	209.1	206.1	175.8
85°	90.9	97.0	109.1	106.1	93.9	175.8	281.8	230.3	169.7	142.4	142.4
87.5°	36.4	45.5	54.6	60.6	63.6	130.3	212.1	175.8	130.3	109.1	109.1
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)