

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: P675263

Luminaire Tested: **CCW-SA-2C-735-U-T4W**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675263  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-735-U-T4W  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T4W distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

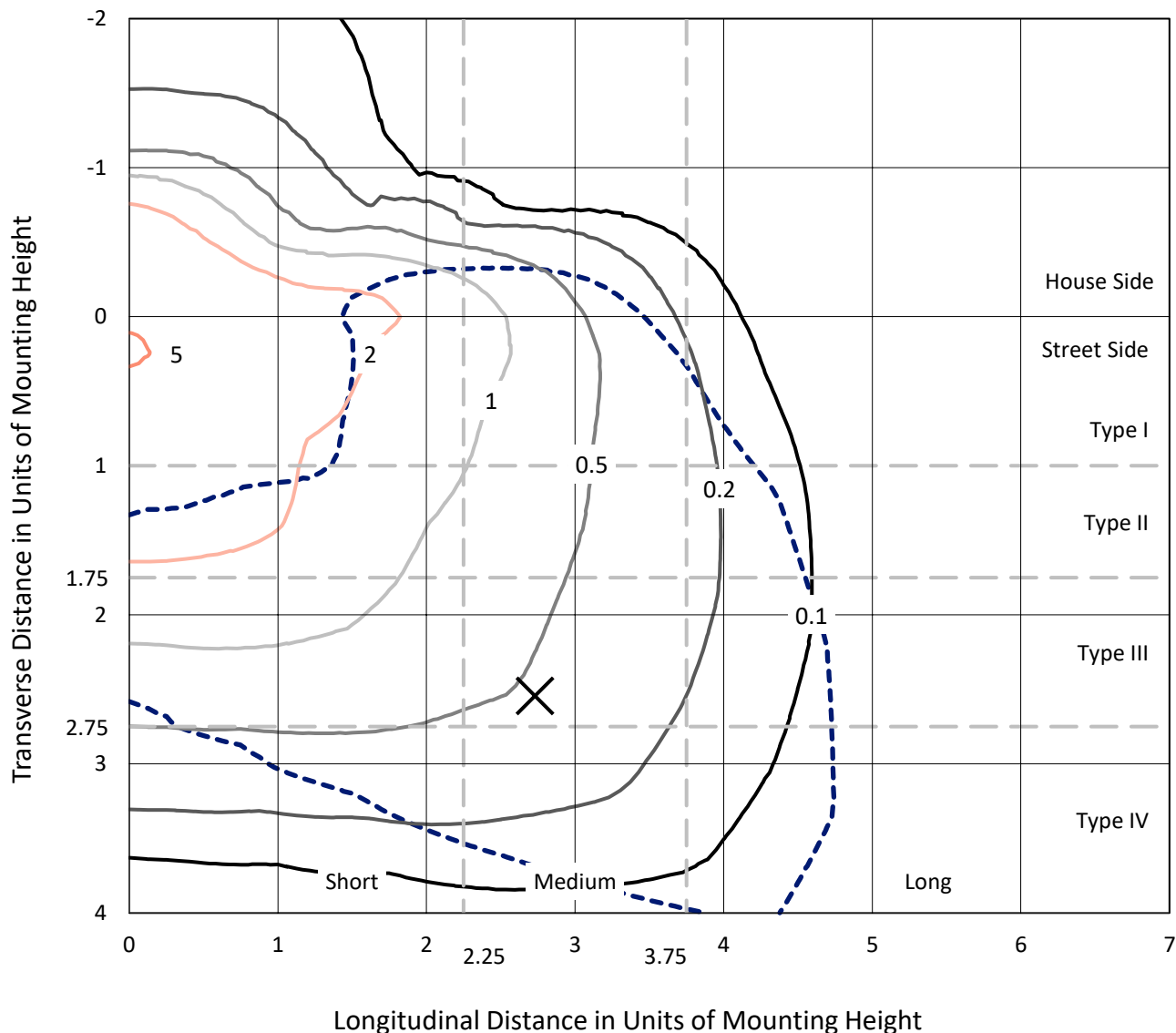
Lumens per Lamp: N/A  
Luminaire Lumens: 8996.3 lumens  
Efficiency: N/A  
Efficacy: 144.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

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

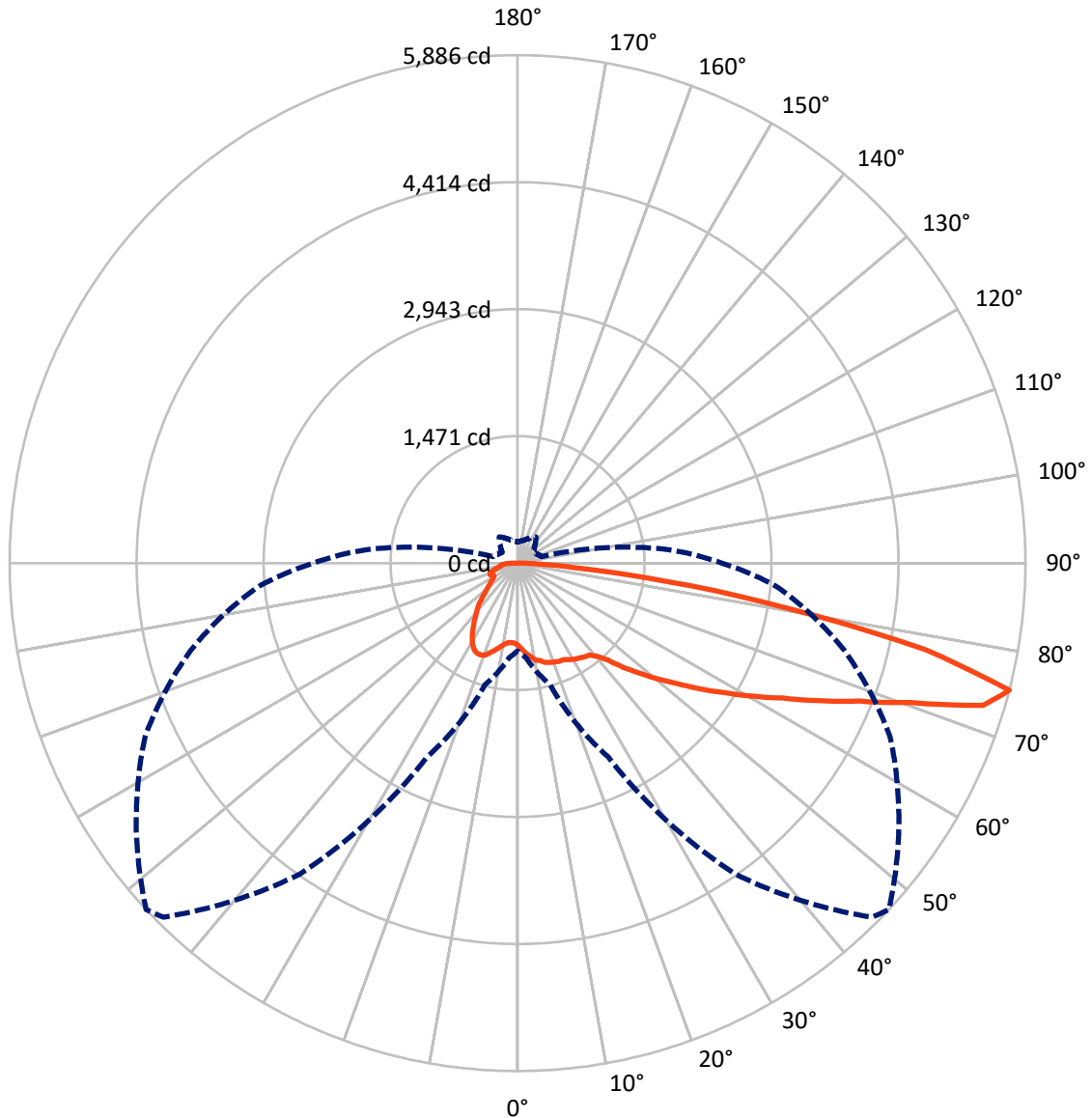
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 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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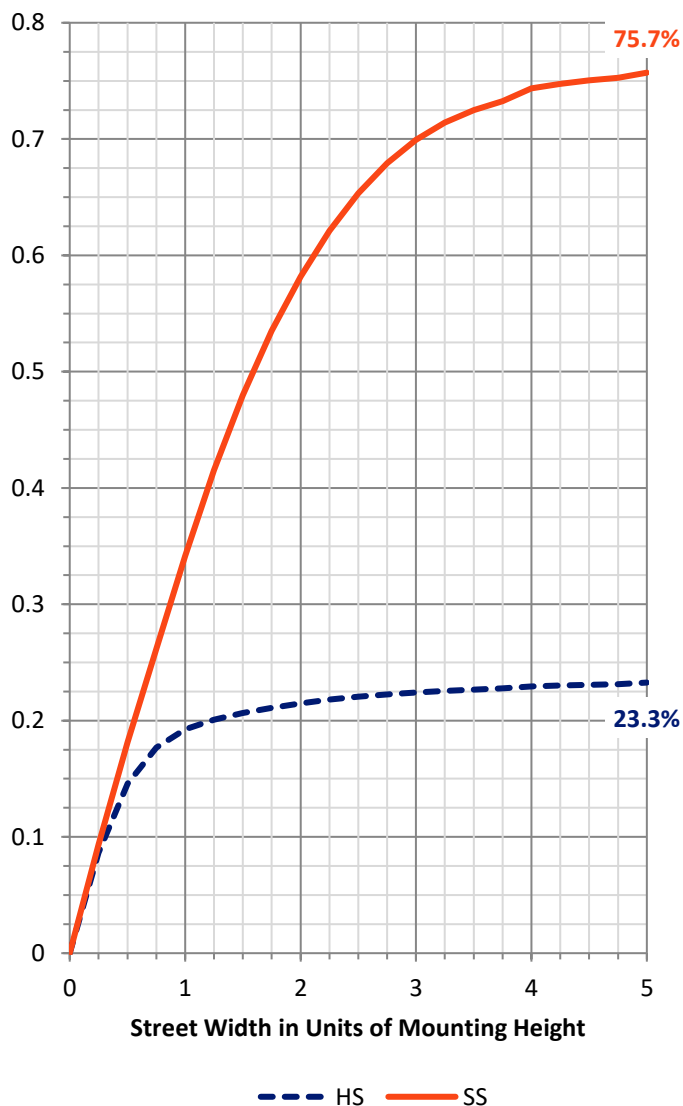
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2151.5	0.0	2151.5
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	6844.9	0.0	6844.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	8996.3	0.0	8996.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.6	1.1
10°-20°	320.7	3.6
20°-30°	549.3	6.1
30°-40°	768.5	8.5
40°-50°	1071.6	11.9
50°-60°	1601.7	17.8
60°-70°	2309.2	25.7
70°-80°	1965.7	21.8
80°-90°	313.1	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°	8996.3	100.0
0°-180°	8996.3	100.0



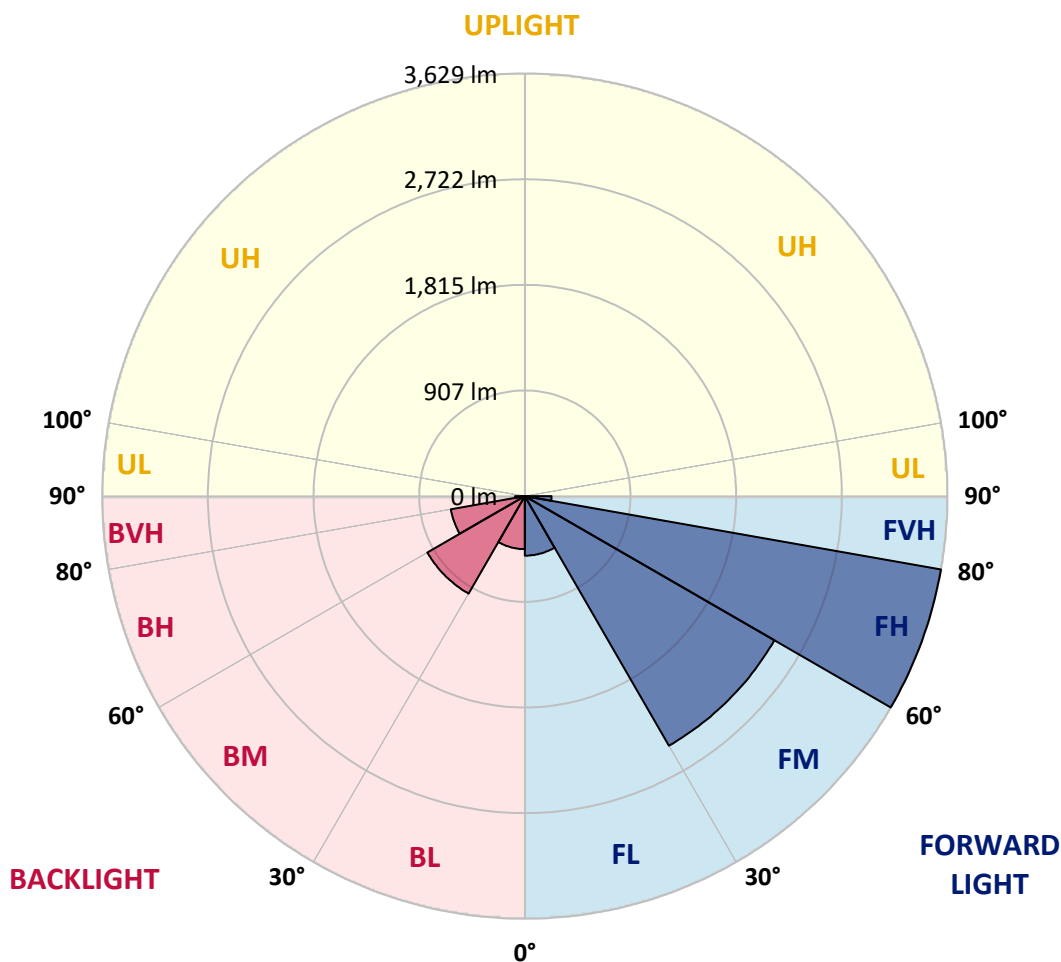
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	511.1	5.7			
FM (30°-60°)	2474.8	27.5			
FH (60°-80°)	3629.5	40.3			G2/5000
FVH (80°-90°)	229.4	2.6			G3/500
BL (0°-30°)	455.4	5.1	B1/500		
BM (30°-60°)	966.9	10.7	B1/1000		
BH (60°-80°)	645.4	7.2	B2/1000		G2/1000
BVH (80°-90°)	83.7	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-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
2.5°	1024.2	1027.4	1027.4	1020.9	1014.3	1001.2	1001.2	988.0	981.5	965.1	958.5
5°	1119.3	1109.5	1099.7	1096.4	1080.0	1057.0	1053.7	1040.6	1004.5	988.0	965.1
7.5°	1188.3	1185.0	1181.7	1168.6	1139.0	1102.9	1093.1	1073.4	1037.3	1004.5	978.2
10°	1244.1	1257.2	1244.1	1214.5	1185.0	1145.6	1142.3	1106.2	1073.4	1034.0	1001.2
12.5°	1306.5	1309.7	1286.8	1250.7	1204.7	1171.9	1158.7	1145.6	1109.5	1076.7	1027.4
15°	1349.1	1342.6	1326.1	1276.9	1224.4	1191.6	1194.8	1178.4	1139.0	1116.1	1063.5
17.5°	1349.1	1349.1	1322.9	1286.8	1240.8	1211.3	1211.3	1201.4	1175.2	1142.3	1106.2
20°	1322.9	1322.9	1306.5	1286.8	1234.2	1227.7	1221.1	1214.5	1214.5	1185.0	1132.5
22.5°	1290.0	1283.5	1290.0	1257.2	1221.1	1227.7	1237.5	1234.2	1224.4	1198.1	1162.0
25°	1257.2	1260.5	1267.1	1244.1	1211.3	1240.8	1237.5	1253.9	1247.4	1227.7	1198.1
27.5°	1253.9	1260.5	1263.8	1240.8	1227.7	1253.9	1267.1	1283.5	1286.8	1267.1	1231.0
30°	1303.2	1299.9	1296.6	1267.1	1257.2	1280.2	1293.3	1316.3	1336.0	1293.3	1263.8
32.5°	1431.2	1411.5	1391.8	1313.0	1283.5	1299.9	1313.0	1345.8	1349.1	1326.1	1283.5
35°	1634.7	1621.6	1555.9	1418.1	1336.0	1319.6	1332.7	1355.7	1362.3	1345.8	1313.0
37.5°	1867.8	1861.2	1769.3	1601.9	1444.3	1365.5	1352.4	1385.2	1411.5	1375.4	1329.4
40°	2097.5	2071.3	2005.6	1841.5	1582.2	1434.5	1418.1	1434.5	1444.3	1418.1	1388.5
42.5°	2304.3	2274.8	2258.4	2094.3	1762.7	1549.4	1536.2	1496.8	1526.4	1493.6	1454.2
45°	2478.3	2471.8	2465.2	2324.0	1969.5	1736.5	1726.6	1624.9	1657.7	1631.4	1575.6
47.5°	2603.1	2632.6	2622.8	2544.0	2205.9	1936.7	1907.2	1775.9	1825.1	1798.8	1743.0
50°	2750.8	2767.2	2757.3	2704.8	2425.8	2166.5	2110.7	1976.1	2031.9	2028.6	1999.1
52.5°	2882.1	2931.3	2875.5	2872.2	2740.9	2416.0	2320.8	2192.7	2284.7	2320.8	2317.5
55°	3036.4	3075.7	3059.3	3052.8	3023.2	2658.9	2573.5	2419.2	2573.5	2626.0	2672.0
57.5°	3167.7	3164.4	3226.7	3302.2	3338.4	2937.9	2836.1	2655.6	2888.6	2947.7	3075.7
60°	3226.7	3282.5	3387.6	3578.0	3679.7	3236.6	3131.5	2987.1	3207.0	3253.0	3489.3
62.5°	3266.1	3315.4	3518.9	3840.6	3899.7	3541.9	3443.4	3299.0	3555.0	3587.8	3939.1
65°	3157.8	3203.8	3607.5	3939.1	4149.1	3870.1	3847.1	3696.1	3902.9	3922.6	4411.7
67.5°	3033.1	3082.3	3532.0	4063.8	4480.7	4306.7	4270.6	4090.1	4247.6	4224.6	4772.8
70°	2813.1	2878.8	3338.4	4172.1	4848.3	4917.3	4845.0	4589.0	4605.4	4388.8	4789.2
72.5°	2143.5	2186.2	2612.9	3742.1	5019.0	5764.2	5639.4	5127.3	4940.2	4421.6	4227.9
75°	1017.6	1096.4	1457.5	2475.0	4398.6	5803.5	5885.6	5393.2	4763.0	3922.6	2997.0
77.5°	295.4	295.4	443.1	1050.4	2757.3	4677.6	4831.9	4579.2	3929.2	2905.1	1575.6
80°	160.8	170.7	233.1	370.9	1211.3	2951.0	3174.2	3036.4	2314.2	1148.9	407.0
82.5°	91.9	95.2	154.3	223.2	551.5	1605.2	1736.5	1575.6	879.7	347.9	190.4
85°	52.5	55.8	88.6	147.7	328.3	590.9	643.4	558.0	354.5	233.1	95.2
87.5°	26.3	26.3	42.7	68.9	167.4	167.4	164.1	200.2	213.4	141.1	42.7
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°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
2.5°	955.2	951.9	951.9	938.8	935.5	925.7	925.7	919.1	915.8	925.7	925.7
5°	958.5	942.1	938.8	925.7	929.0	922.4	935.5	929.0	925.7	925.7	922.4
7.5°	965.1	948.7	935.5	925.7	922.4	932.2	948.7	948.7	968.4	958.5	958.5
10°	981.5	971.6	955.2	948.7	948.7	958.5	978.2	991.3	1007.7	1007.7	997.9
12.5°	1020.9	1004.5	984.8	974.9	988.0	997.9	1017.6	1030.7	1050.4	1057.0	1050.4
15°	1050.4	1034.0	1027.4	1020.9	1030.7	1043.8	1060.3	1073.4	1096.4	1102.9	1099.7
17.5°	1089.8	1070.1	1066.8	1070.1	1076.7	1086.5	1096.4	1106.2	1122.6	1122.6	1122.6
20°	1109.5	1102.9	1099.7	1109.5	1122.6	1135.8	1129.2	1122.6	1119.3	1125.9	1122.6
22.5°	1145.6	1139.0	1142.3	1152.2	1152.2	1145.6	1135.8	1112.8	1106.2	1112.8	1106.2
25°	1178.4	1171.9	1171.9	1165.3	1162.0	1139.0	1119.3	1099.7	1076.7	1086.5	1083.2
27.5°	1211.3	1208.0	1208.0	1181.7	1148.9	1109.5	1083.2	1060.3	1047.1	1063.5	1053.7
30°	1250.7	1253.9	1237.5	1175.2	1096.4	1053.7	1024.2	1020.9	1017.6	1027.4	1024.2
32.5°	1286.8	1290.0	1263.8	1165.3	1057.0	974.9	945.4	948.7	965.1	981.5	997.9
35°	1306.5	1322.9	1290.0	1132.5	978.2	886.3	853.5	883.0	912.5	935.5	951.9
37.5°	1342.6	1385.2	1329.4	1096.4	909.3	807.5	784.5	794.4	830.5	866.6	883.0
40°	1395.1	1444.3	1339.3	1027.4	817.4	728.7	715.6	718.9	732.0	755.0	771.4
42.5°	1487.0	1539.5	1349.1	938.8	725.4	679.5	643.4	633.5	623.7	623.7	620.4
45°	1621.6	1670.8	1336.0	827.2	633.5	600.7	574.4	551.5	525.2	482.5	489.1
47.5°	1818.5	1857.9	1345.8	728.7	548.2	521.9	502.2	476.0	436.6	390.6	387.3
50°	2117.2	2058.2	1332.7	627.0	485.8	462.8	446.4	410.3	364.4	331.5	328.3
52.5°	2465.2	2347.0	1319.6	541.6	433.3	413.6	400.5	361.1	318.4	302.0	298.7
55°	2885.4	2714.7	1339.3	466.1	393.9	377.5	364.4	328.3	295.4	282.3	279.0
57.5°	3381.0	3111.9	1447.6	407.0	351.2	344.7	341.4	311.8	282.3	272.5	269.2
60°	3847.1	3492.6	1519.8	364.4	311.8	318.4	325.0	311.8	279.0	272.5	272.5
62.5°	4237.8	3807.8	1404.9	328.3	292.1	311.8	341.4	331.5	318.4	325.0	318.4
65°	4582.4	3916.1	1050.4	308.6	282.3	328.3	377.5	374.2	344.7	351.2	347.9
67.5°	4641.5	3784.8	686.1	292.1	275.7	361.1	423.4	384.1	325.0	325.0	315.1
70°	4395.3	3433.5	459.6	275.7	272.5	361.1	433.3	361.1	305.3	305.3	292.1
72.5°	3607.5	2744.2	354.5	259.3	249.5	321.7	410.3	341.4	285.6	279.0	256.0
75°	2370.0	1769.3	288.9	246.2	216.6	282.3	370.9	315.1	272.5	252.8	242.9
77.5°	1162.0	794.4	242.9	216.6	187.1	246.2	338.1	298.7	256.0	236.3	229.8
80°	318.4	285.6	203.5	190.4	157.6	213.4	318.4	285.6	239.6	219.9	210.1
82.5°	180.5	177.3	164.1	154.3	131.3	213.4	321.7	285.6	226.5	223.2	190.4
85°	98.5	105.0	118.2	114.9	101.8	190.4	305.3	249.5	183.8	154.3	154.3
87.5°	39.4	49.2	59.1	65.7	68.9	141.1	229.8	190.4	141.1	118.2	118.2
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)