

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: P675138

Luminaire Tested: **CCW-SA-1F-750-U-T4FT**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675138  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-750-U-T4FT  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/  
T4FT distribution lens  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

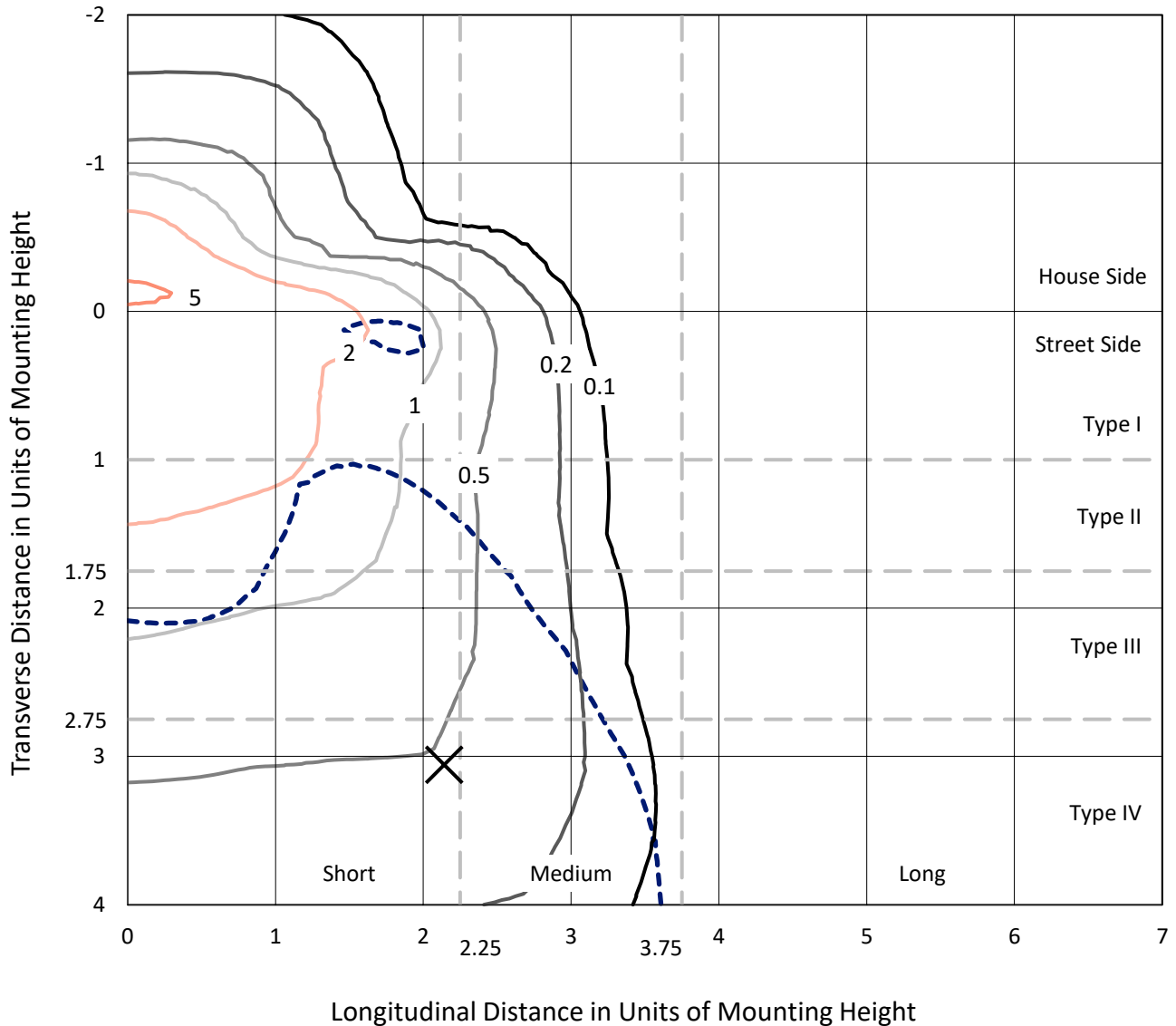
Lumens per Lamp: N/A  
Luminaire Lumens: 7664.6 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 67  
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

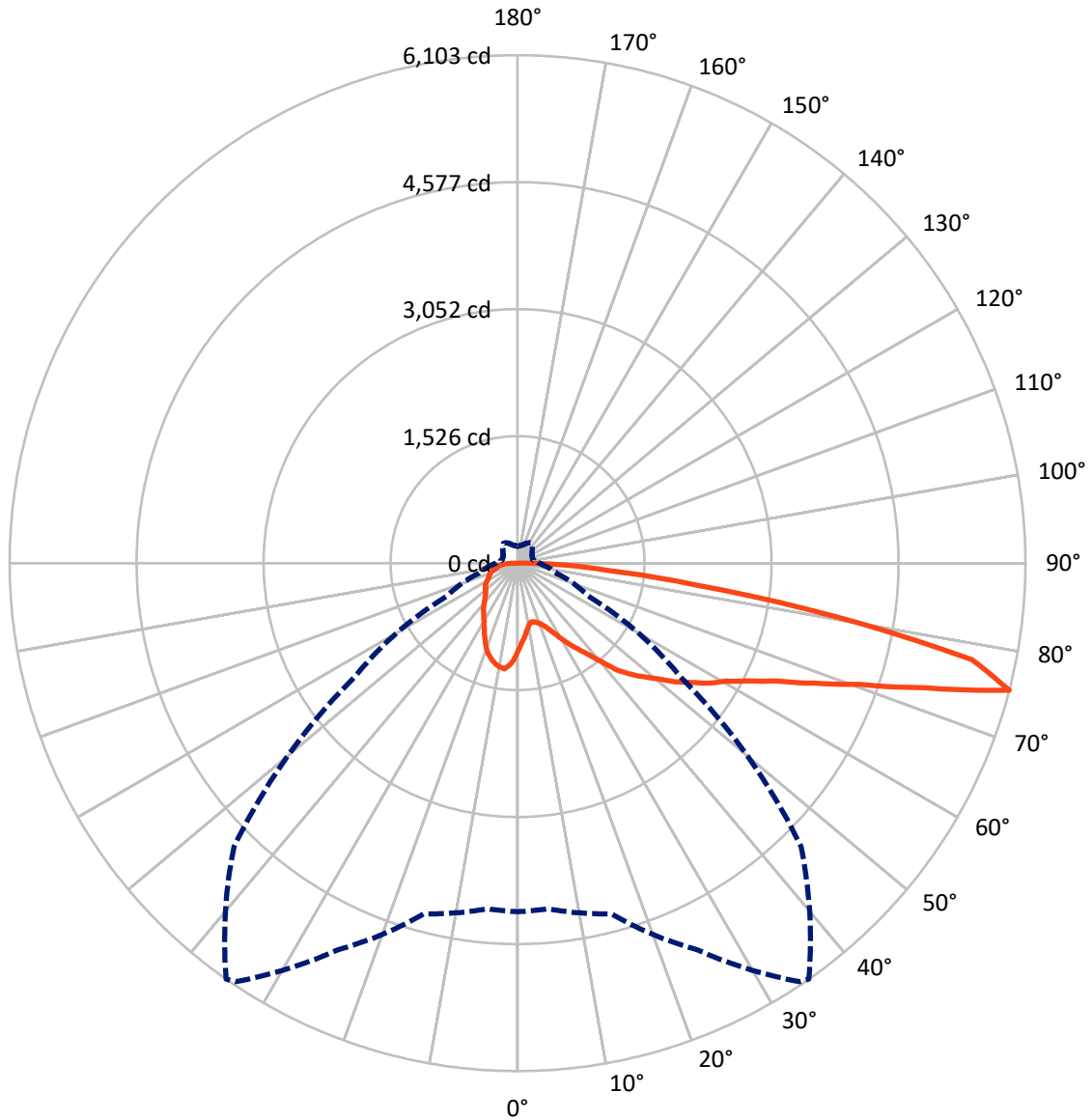
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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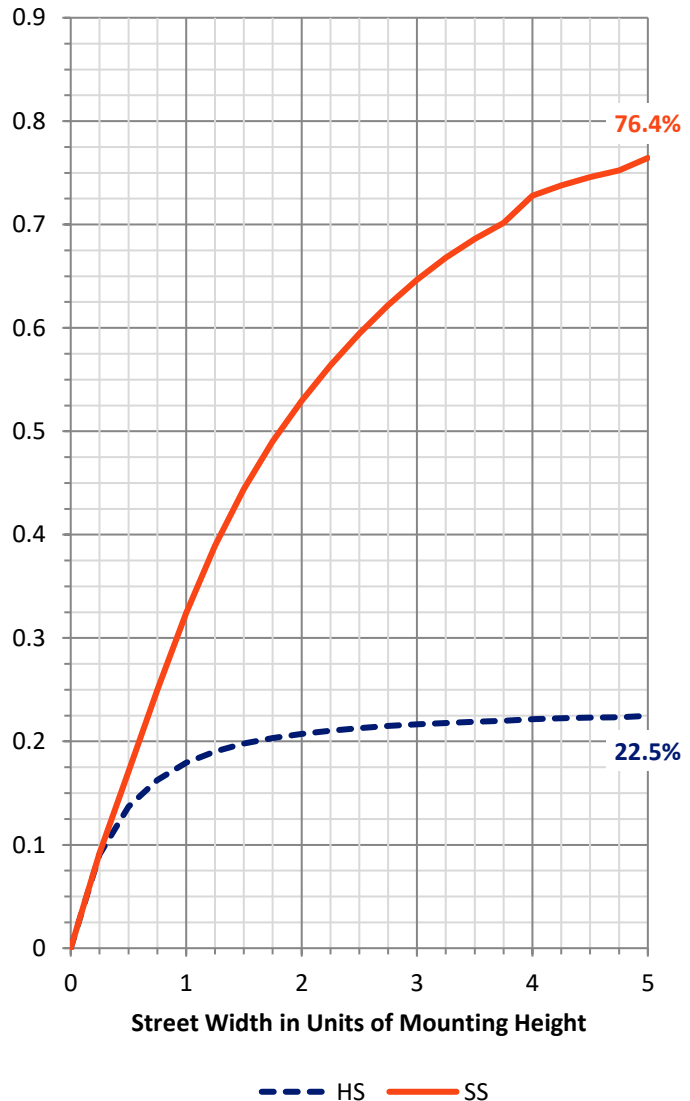
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1761.5	0.0	1761.5
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	5903.1	0.0	5903.1
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	7664.6	0.0	7664.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	1.3
10°-20°	290.4	3.8
20°-30°	481.9	6.3
30°-40°	714.3	9.3
40°-50°	1029.9	13.4
50°-60°	1416.3	18.5
60°-70°	1749.5	22.8
70°-80°	1600.5	20.9
80°-90°	281.8	3.7
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°	7664.6	100.0
0°-180°	7664.6	100.0



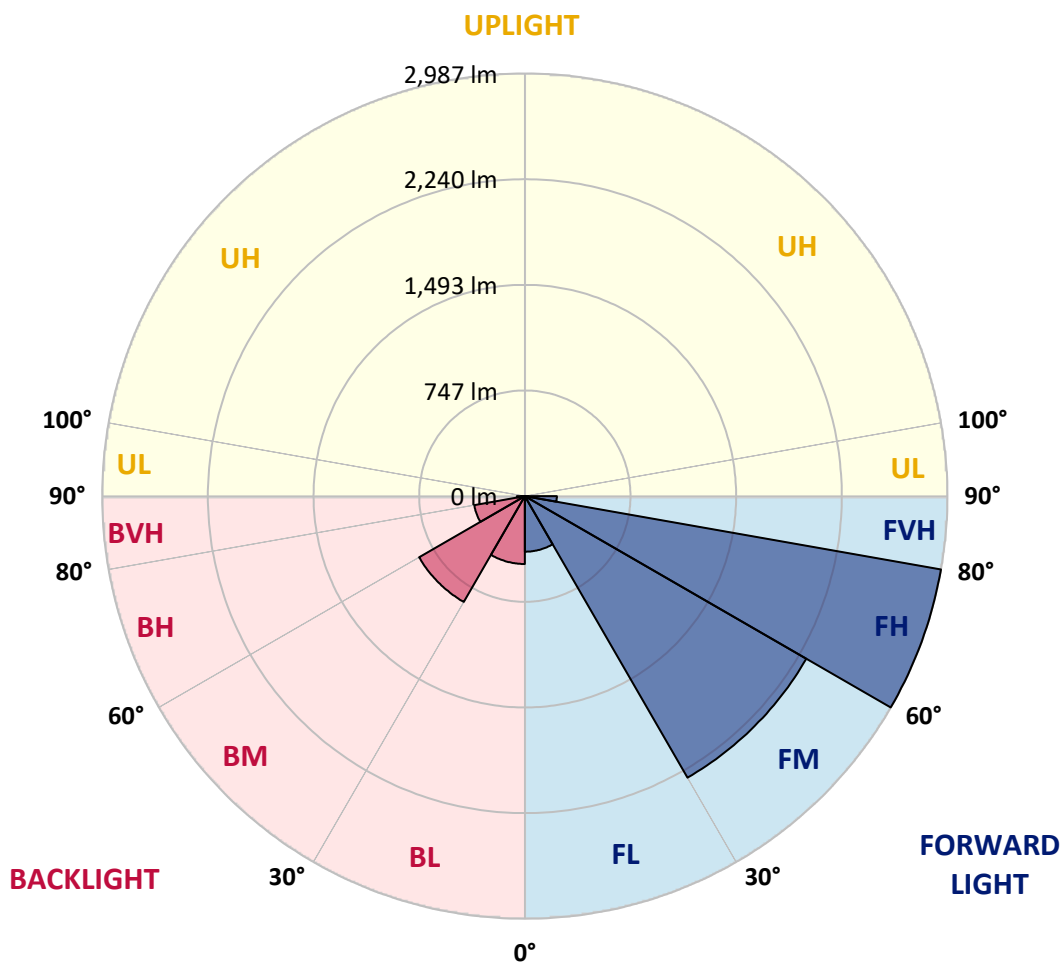
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.9	5.1			
FM (30°-60°)	2297.4	30.0			
FH (60°-80°)	2986.7	39.0			G2/5000
FVH (80°-90°)	226.1	3.0			G3/500
BL (0°-30°)	479.5	6.3	B1/500		
BM (30°-60°)	863.2	11.3	B1/1000		
BH (60°-80°)	363.2	4.7	B1/500		G1/500
BVH (80°-90°)	55.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	951.3	942.8	951.3	956.9	956.9	956.9	965.4	990.8	1007.8	1019.0	1038.8
5°	852.5	855.3	861.0	875.1	883.6	889.2	903.3	934.4	959.8	996.5	1038.8
7.5°	765.0	770.6	779.1	793.2	813.0	810.2	841.2	883.6	931.5	979.5	1041.6
10°	719.8	731.1	733.9	736.8	756.5	756.5	798.9	846.9	906.1	968.2	1041.6
12.5°	728.3	728.3	719.8	717.0	728.3	725.5	762.2	818.6	883.6	971.1	1052.9
15°	753.7	753.7	736.8	719.8	736.8	731.1	762.2	807.3	883.6	973.9	1075.5
17.5°	787.6	790.4	770.6	742.4	748.1	750.9	773.5	815.8	883.6	979.5	1106.6
20°	855.3	841.2	810.2	765.0	784.8	776.3	810.2	846.9	900.5	1002.1	1151.7
22.5°	914.6	914.6	855.3	815.8	818.6	818.6	849.7	880.7	925.9	1033.2	1185.6
25°	1010.6	1004.9	931.5	872.3	877.9	880.7	897.7	934.4	968.2	1050.1	1227.9
27.5°	1132.0	1117.8	1044.5	976.7	954.1	962.6	971.1	999.3	1007.8	1078.3	1278.8
30°	1261.8	1242.1	1180.0	1072.7	1061.4	1064.2	1050.1	1067.0	1055.7	1123.5	1329.6
32.5°	1343.7	1343.7	1284.4	1205.4	1174.3	1174.3	1126.3	1137.6	1137.6	1165.8	1419.9
35°	1414.2	1408.6	1369.1	1309.8	1290.0	1278.8	1230.8	1247.7	1219.5	1247.7	1546.9
37.5°	1521.5	1504.6	1487.6	1448.1	1408.6	1400.1	1374.7	1386.0	1346.5	1332.4	1690.9
40°	1645.7	1637.3	1620.3	1603.4	1563.9	1561.0	1532.8	1544.1	1501.8	1448.1	1834.9
42.5°	1829.2	1803.8	1750.2	1736.1	1744.5	1755.8	1744.5	1724.8	1648.5	1580.8	1990.1
45°	2012.7	1973.2	1871.5	1849.0	1913.9	1905.4	1953.4	1944.9	1820.7	1713.5	2153.8
47.5°	2131.3	2097.4	2015.5	2001.4	2029.6	2040.9	2184.9	2159.5	1961.9	1834.9	2311.9
50°	2215.9	2218.8	2111.5	2148.2	2184.9	2184.9	2365.5	2362.7	2134.1	1984.5	2518.0
52.5°	2340.1	2300.6	2255.5	2289.3	2340.1	2368.4	2591.4	2529.3	2241.3	2111.5	2749.5
55°	2405.1	2388.1	2348.6	2407.9	2515.2	2529.3	2766.4	2718.4	2362.7	2261.1	2986.6
57.5°	2430.5	2444.6	2509.5	2534.9	2684.5	2721.2	2924.5	2856.7	2475.6	2447.4	3170.1
60°	2543.4	2523.6	2611.1	2712.8	2856.7	2876.5	3122.1	2975.3	2585.7	2568.8	3229.3
62.5°	2772.0	2721.2	2769.2	2890.6	3091.0	3116.4	3331.0	3133.4	2633.7	2650.7	3226.5
65°	3105.1	3068.4	2997.9	3093.8	3376.1	3412.8	3576.6	3268.9	2619.6	2622.4	2997.9
67.5°	3497.5	3438.2	3364.8	3424.1	3768.5	3853.2	3875.8	3328.1	2520.8	2464.3	2438.9
70°	3841.9	3802.4	3754.4	3856.0	4335.9	4366.9	4248.4	3291.4	2247.0	1978.8	1626.0
72.5°	4163.7	4143.9	4172.2	4553.3	5103.7	5123.5	4598.4	3060.0	1775.6	1199.7	756.5
75°	4189.1	4169.4	4364.1	5129.1	6066.3	6103.0	4815.8	2399.4	937.2	488.4	319.0
77.5°	2837.0	2896.2	3260.4	4491.2	5572.3	5580.8	3937.9	1115.0	386.7	287.9	223.0
80°	697.2	773.5	1227.9	2323.2	3757.2	3850.4	2156.7	375.4	254.1	220.2	166.5
82.5°	254.1	276.6	499.6	1050.1	2111.5	2148.2	753.7	203.2	183.5	169.4	121.4
85°	121.4	124.2	237.1	516.6	1067.0	1055.7	271.0	121.4	132.7	115.7	73.4
87.5°	50.8	50.8	104.4	239.9	471.4	457.3	87.5	56.5	76.2	67.7	36.7
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°	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1	1050.1
2.5°	1052.9	1058.6	1081.2	1098.1	1115.0	1129.1	1151.7	1151.7	1165.8	1165.8	1165.8
5°	1050.1	1081.2	1117.8	1157.4	1182.8	1208.2	1230.8	1233.6	1242.1	1253.3	1256.2
7.5°	1061.4	1092.4	1151.7	1208.2	1239.2	1250.5	1278.8	1270.3	1270.3	1270.3	1278.8
10°	1084.0	1117.8	1199.7	1250.5	1273.1	1275.9	1267.5	1261.8	1244.9	1239.2	1230.8
12.5°	1100.9	1160.2	1242.1	1281.6	1273.1	1264.6	1244.9	1216.6	1196.9	1191.2	1191.2
15°	1143.3	1202.5	1278.8	1292.9	1278.8	1233.6	1208.2	1177.1	1160.2	1134.8	1146.1
17.5°	1180.0	1247.7	1315.4	1298.5	1270.3	1199.7	1163.0	1117.8	1095.3	1067.0	1067.0
20°	1227.9	1290.0	1349.3	1304.2	1242.1	1165.8	1106.6	1050.1	1019.0	990.8	996.5
22.5°	1281.6	1338.0	1369.1	1281.6	1199.7	1112.2	1030.3	976.7	937.2	920.2	925.9
25°	1323.9	1386.0	1380.4	1244.9	1148.9	1044.5	954.1	903.3	894.8	877.9	877.9
27.5°	1377.6	1442.5	1371.9	1199.7	1064.2	937.2	880.7	861.0	861.0	852.5	858.1
30°	1448.1	1493.3	1352.1	1134.8	956.9	841.2	813.0	824.3	844.0	835.6	838.4
32.5°	1563.9	1558.2	1335.2	1061.4	844.0	748.1	767.8	790.4	807.3	815.8	821.4
35°	1676.8	1640.1	1315.4	962.6	739.6	702.9	719.8	745.2	776.3	784.8	787.6
37.5°	1789.7	1724.8	1281.6	841.2	674.7	663.4	680.3	694.4	719.8	725.5	731.1
40°	1908.2	1781.2	1222.3	722.6	621.0	621.0	632.3	635.1	649.3	657.7	663.4
42.5°	2012.7	1834.9	1115.0	612.6	564.6	584.3	587.2	581.5	570.2	575.9	578.7
45°	2139.7	1894.1	990.8	533.5	522.2	547.6	553.3	530.7	510.9	499.6	494.0
47.5°	2263.9	1956.2	883.6	468.6	482.7	522.2	522.2	496.8	462.9	434.7	423.4
50°	2376.8	2018.3	796.0	429.1	443.2	502.5	508.1	460.1	423.4	389.6	383.9
52.5°	2566.0	2122.8	705.7	398.0	420.6	488.4	485.5	443.2	395.2	358.5	355.7
55°	2732.5	2227.2	587.2	367.0	398.0	468.6	477.1	426.3	361.3	327.5	321.8
57.5°	2853.9	2252.6	468.6	335.9	375.4	446.0	457.3	392.4	338.7	310.5	307.7
60°	2876.5	2153.8	381.1	310.5	344.4	415.0	423.4	372.6	321.8	299.2	293.6
62.5°	2772.0	1964.7	324.6	287.9	319.0	383.9	400.8	350.0	304.9	285.1	282.3
65°	2534.9	1688.1	285.1	268.2	302.0	361.3	381.1	333.1	290.8	273.8	271.0
67.5°	2007.0	1295.7	254.1	254.1	279.5	338.7	367.0	321.8	276.6	265.3	262.5
70°	1312.6	779.1	231.5	234.3	262.5	319.0	350.0	307.7	259.7	256.9	251.2
72.5°	564.6	358.5	206.1	214.5	237.1	285.1	324.6	287.9	239.9	231.5	223.0
75°	259.7	217.4	186.3	192.0	211.7	251.2	293.6	265.3	223.0	208.9	200.4
77.5°	183.5	158.1	155.3	166.5	180.7	217.4	259.7	248.4	206.1	194.8	189.1
80°	135.5	121.4	129.9	141.1	149.6	200.4	245.6	228.7	189.1	172.2	163.7
82.5°	96.0	90.3	101.6	112.9	121.4	175.0	225.8	200.4	158.1	144.0	129.9
85°	56.5	59.3	70.6	76.2	84.7	129.9	189.1	160.9	121.4	93.2	90.3
87.5°	25.4	25.4	33.9	36.7	42.3	76.2	127.0	101.6	76.2	59.3	56.5
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)