

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: P674975

Luminaire Tested: **CCW-SA-2C-735-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674975
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-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

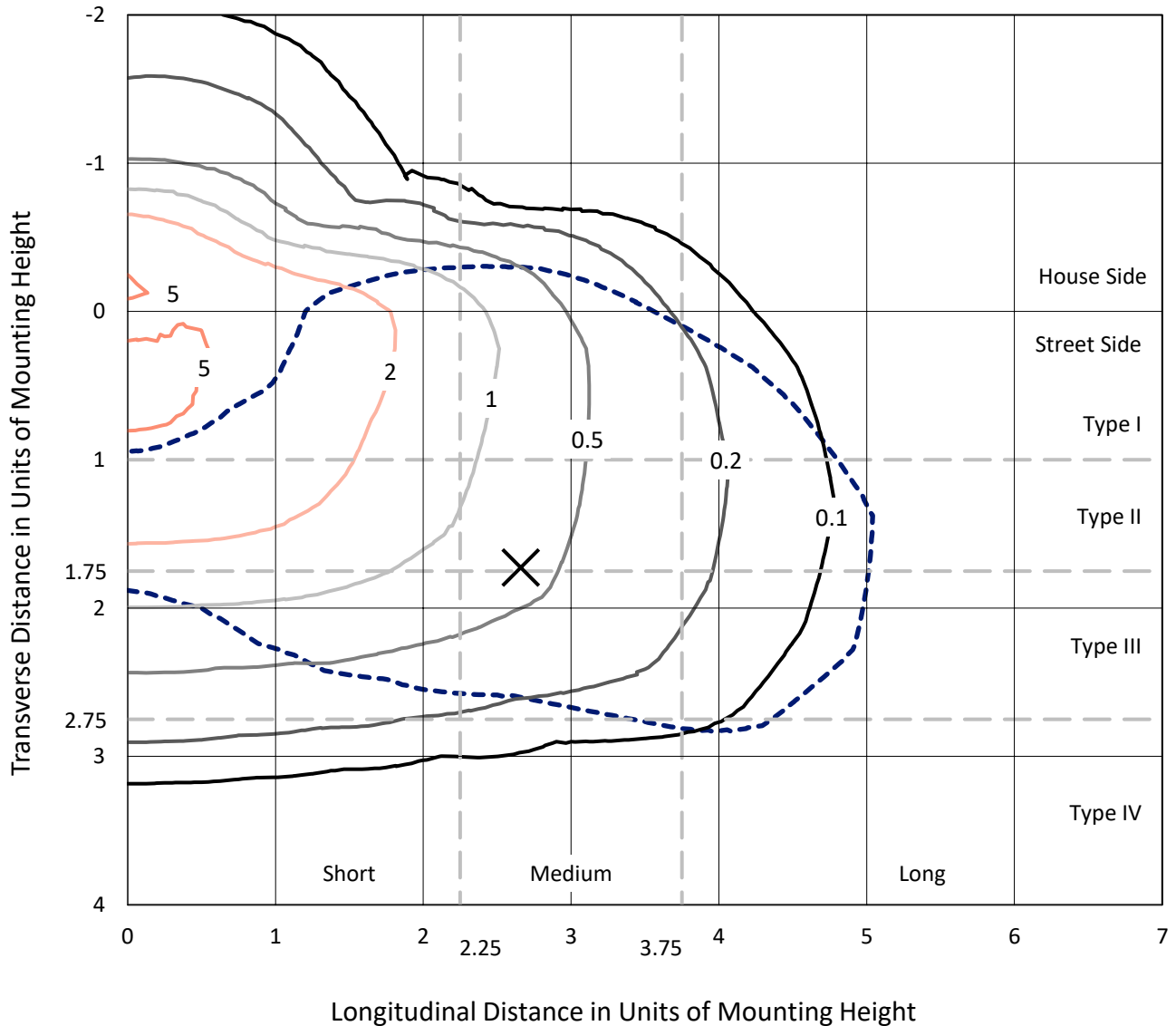
Lumens per Lamp: N/A
Luminaire Lumens: 9010.3 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

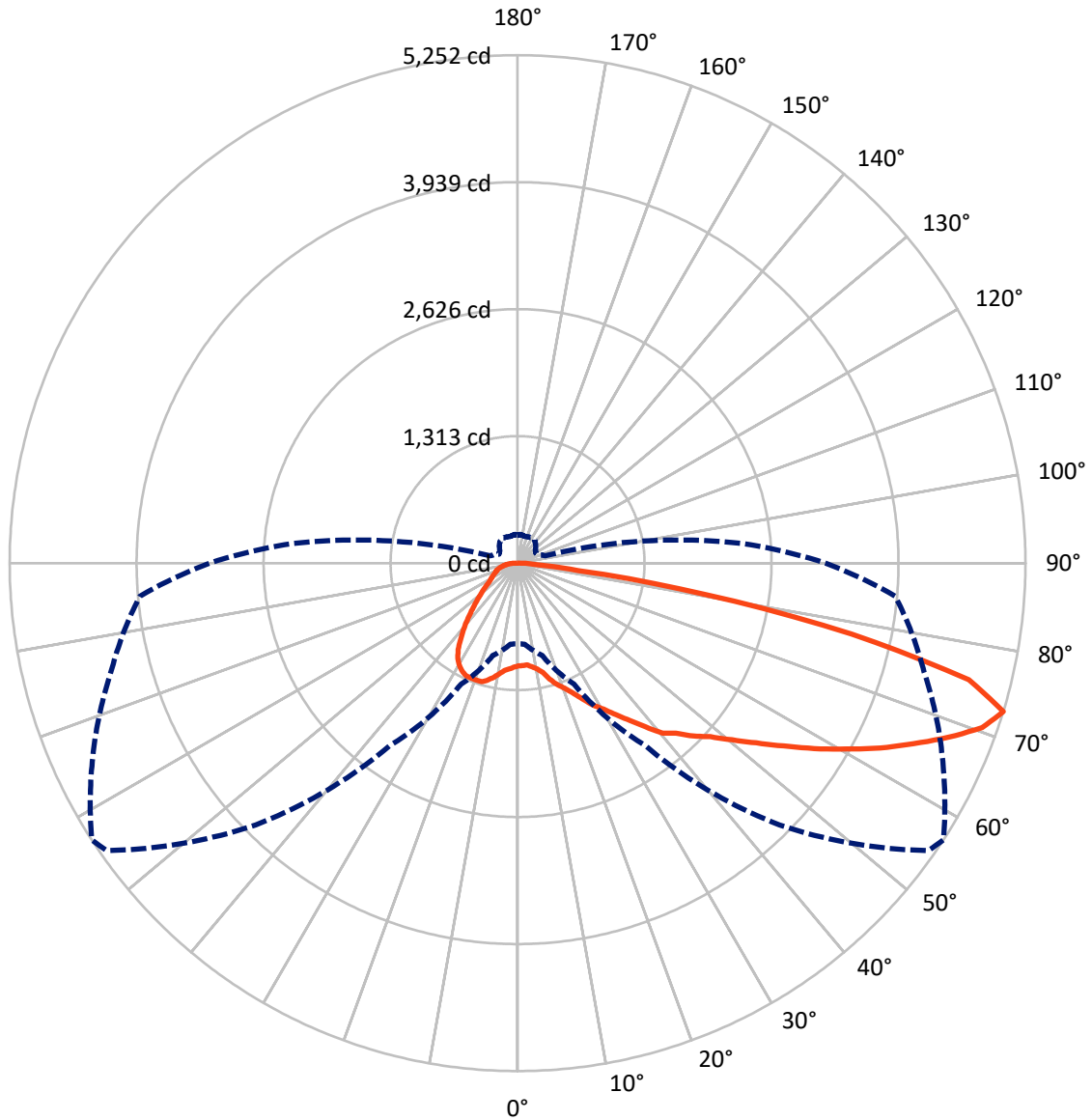
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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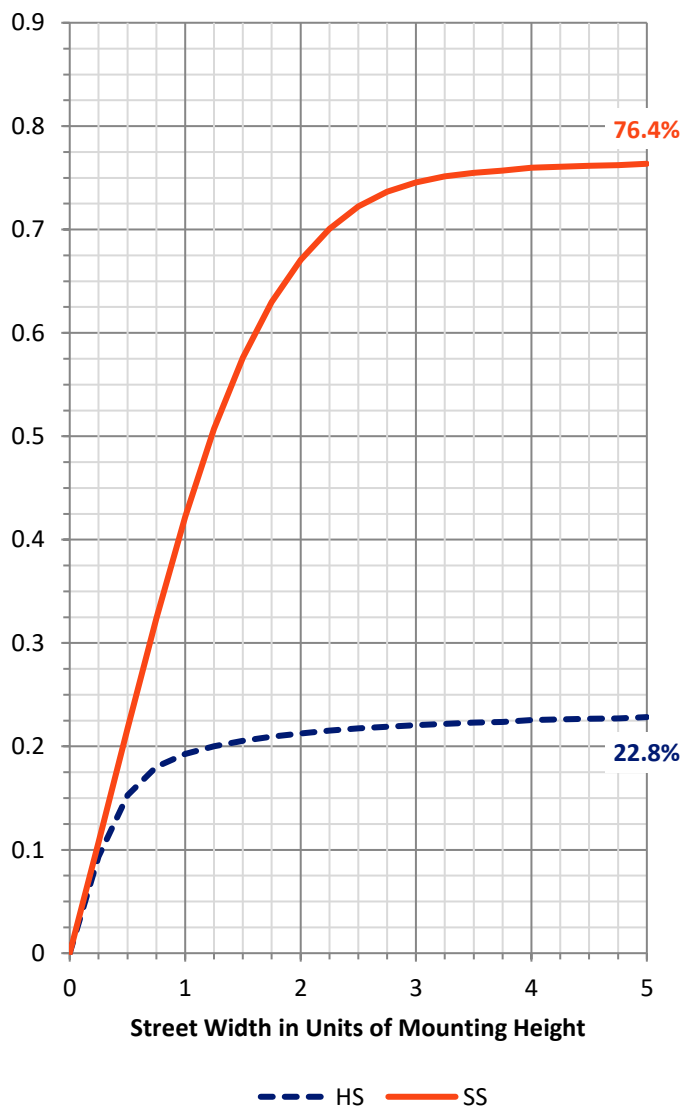
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2104.2	0.0	2104.2
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	6906.0	0.0	6906.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	9010.3	0.0	9010.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	1.2
10°-20°	355.8	3.9
20°-30°	650.4	7.2
30°-40°	954.2	10.6
40°-50°	1313.8	14.6
50°-60°	1801.6	20.0
60°-70°	2171.7	24.1
70°-80°	1446.7	16.1
80°-90°	210.7	2.3
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°	9010.3	100.0
0°-180°	9010.3	100.0



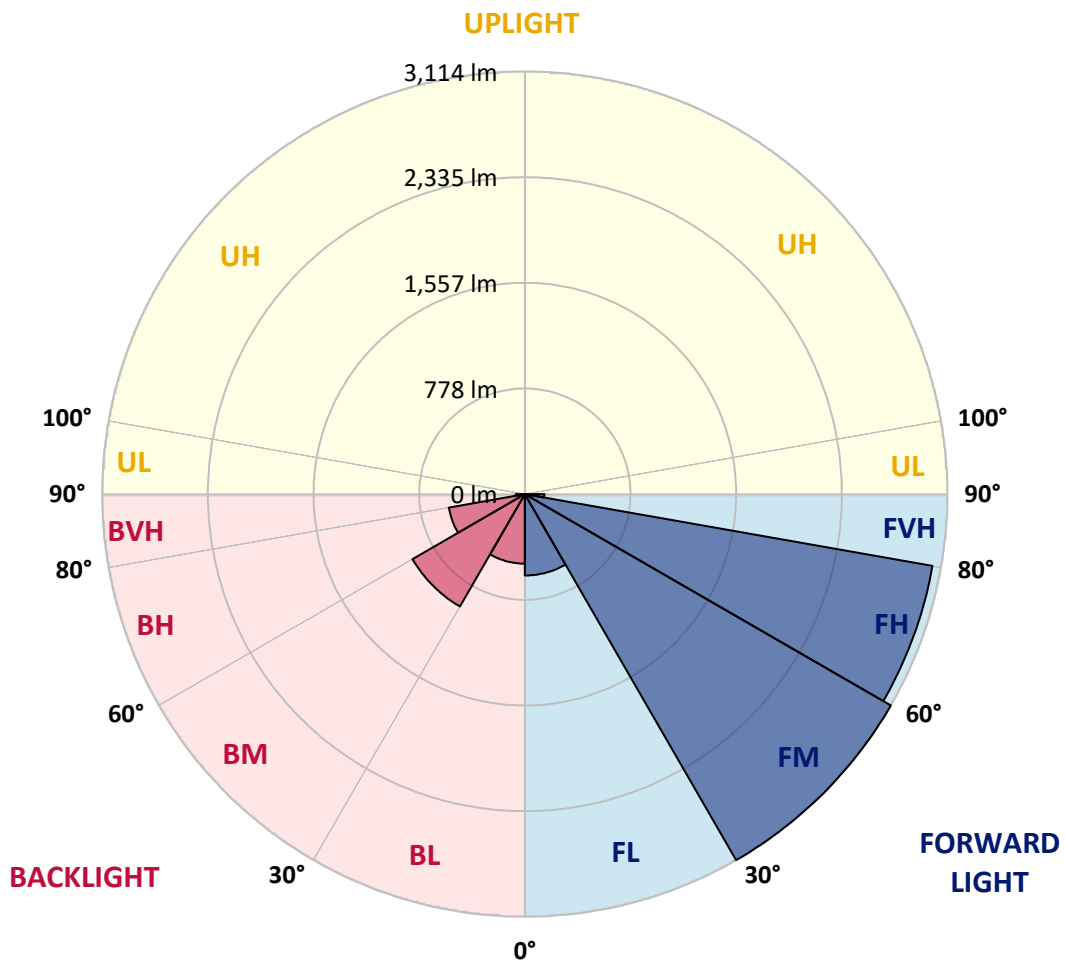
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.4	6.7			
FM (30°-60°)	3113.7	34.6			
FH (60°-80°)	3049.4	33.8			G2/5000
FVH (80°-90°)	143.5	1.6			G2/225
BL (0°-30°)	512.3	5.7	B2/1000		
BM (30°-60°)	955.7	10.6	B1/1000		
BH (60°-80°)	568.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	67.2	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5
2.5°	1043.8	1047.1	1053.7	1050.4	1050.4	1040.5	1056.9	1060.2	1053.7	1056.9	1063.5
5°	1043.8	1050.4	1060.2	1053.7	1056.9	1053.7	1047.1	1056.9	1056.9	1060.2	1070.1
7.5°	1099.6	1096.3	1096.3	1086.5	1083.2	1079.9	1083.2	1083.2	1076.6	1079.9	1079.9
10°	1162.0	1162.0	1155.4	1155.4	1148.8	1132.4	1116.0	1112.7	1102.9	1106.2	1106.2
12.5°	1227.6	1234.2	1240.7	1221.1	1214.5	1188.2	1178.4	1158.7	1158.7	1152.1	1148.8
15°	1309.7	1299.8	1306.4	1299.8	1283.4	1257.2	1240.7	1244.0	1221.1	1214.5	1204.6
17.5°	1381.9	1385.2	1375.3	1368.8	1339.2	1319.5	1322.8	1319.5	1290.0	1280.1	1263.7
20°	1467.2	1464.0	1464.0	1444.3	1418.0	1391.7	1381.9	1378.6	1385.2	1365.5	1326.1
22.5°	1555.9	1542.7	1542.7	1526.3	1490.2	1473.8	1467.2	1454.1	1460.7	1444.3	1385.2
25°	1628.1	1628.1	1651.0	1618.2	1598.5	1565.7	1552.6	1555.9	1559.1	1526.3	1457.4
27.5°	1723.3	1706.8	1729.8	1713.4	1703.6	1667.5	1651.0	1660.9	1654.3	1618.2	1523.0
30°	1844.7	1848.0	1834.9	1811.9	1798.8	1772.5	1762.6	1752.8	1762.6	1716.7	1595.2
32.5°	1995.7	2005.5	1972.7	1946.5	1923.5	1897.2	1877.5	1867.7	1877.5	1808.6	1651.0
35°	2169.7	2179.5	2153.3	2123.7	2097.5	2031.8	2015.4	1999.0	1962.9	1851.3	1703.6
37.5°	2330.5	2317.4	2310.8	2310.8	2261.6	2166.4	2156.5	2146.7	2077.8	1936.6	1775.8
40°	2438.8	2455.2	2448.7	2442.1	2435.5	2346.9	2327.2	2310.8	2195.9	2064.6	1877.5
42.5°	2560.3	2550.4	2576.7	2586.5	2563.6	2537.3	2458.5	2402.7	2301.0	2195.9	2028.5
45°	2704.7	2698.1	2708.0	2744.1	2711.3	2721.1	2589.8	2550.4	2422.4	2360.0	2218.9
47.5°	2832.7	2849.1	2898.4	2908.2	2881.9	2927.9	2744.1	2681.7	2599.7	2550.4	2415.8
50°	2888.5	2908.2	3019.8	3088.7	3092.0	3164.2	2898.4	2872.1	2760.5	2780.2	2662.0
52.5°	2842.6	2904.9	3039.5	3220.0	3331.6	3403.8	3101.9	3088.7	2987.0	3049.4	2931.2
55°	2885.2	2944.3	3032.9	3285.7	3568.0	3584.4	3384.2	3334.9	3233.2	3318.5	3210.2
57.5°	2904.9	2872.1	3039.5	3357.9	3741.9	3784.6	3653.3	3617.2	3538.4	3620.5	3558.1
60°	2750.7	2790.0	2947.6	3338.2	3751.8	3998.0	3955.3	3902.8	3830.6	3906.1	3870.0
62.5°	2576.7	2602.9	2773.6	3220.0	3807.6	4152.2	4247.4	4208.0	4106.3	4171.9	4234.3
65°	2356.8	2360.0	2550.4	3010.0	3699.3	4240.9	4503.5	4500.2	4428.0	4411.5	4510.0
67.5°	2087.6	2113.9	2264.9	2786.8	3551.6	4339.3	4756.2	4805.4	4661.0	4533.0	4569.1
70°	1601.8	1628.1	1772.5	2284.6	3249.6	4309.8	5068.0	5094.3	4812.0	4487.0	4395.1
72.5°	833.7	840.3	988.0	1378.6	2304.2	3827.3	5182.9	5251.8	4851.4	4352.5	3919.2
75°	275.7	275.7	338.1	525.2	1086.5	2448.7	4693.8	4818.6	4657.7	4017.7	3206.9
77.5°	164.1	167.4	200.2	262.6	433.3	978.2	3308.7	3528.6	3810.9	3417.0	2343.6
80°	118.2	121.4	151.0	180.5	259.3	315.1	1660.9	1966.2	2340.4	2199.2	1250.6
82.5°	88.6	88.6	118.2	134.6	177.2	187.1	462.8	633.5	1011.0	787.8	344.7
85°	91.9	91.9	91.9	95.2	121.4	108.3	193.7	206.8	295.4	259.3	95.2
87.5°	32.8	36.1	91.9	62.4	62.4	46.0	75.5	82.1	105.0	108.3	36.1
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°	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5
2.5°	1066.8	1066.8	1070.1	1070.1	1076.6	1083.2	1093.0	1086.5	1086.5	1089.8	1086.5
5°	1063.5	1066.8	1076.6	1093.0	1099.6	1102.9	1122.6	1122.6	1122.6	1129.1	1129.1
7.5°	1076.6	1083.2	1099.6	1116.0	1119.3	1129.1	1155.4	1162.0	1178.4	1184.9	1188.2
10°	1109.5	1119.3	1132.4	1152.1	1165.3	1178.4	1198.1	1221.1	1217.8	1237.5	1240.7
12.5°	1158.7	1155.4	1178.4	1198.1	1211.2	1230.9	1237.5	1237.5	1237.5	1237.5	1244.0
15°	1198.1	1204.6	1224.3	1237.5	1253.9	1250.6	1237.5	1224.3	1227.6	1224.3	1224.3
17.5°	1257.2	1257.2	1273.6	1276.9	1283.4	1250.6	1230.9	1230.9	1240.7	1240.7	1234.2
20°	1316.2	1313.0	1319.5	1316.2	1273.6	1234.2	1230.9	1234.2	1237.5	1234.2	1230.9
22.5°	1372.0	1365.5	1355.6	1342.5	1267.0	1230.9	1224.3	1207.9	1191.5	1191.5	1181.7
25°	1421.3	1414.7	1388.5	1349.1	1263.7	1211.2	1178.4	1139.0	1119.3	1109.5	1122.6
27.5°	1467.2	1454.1	1418.0	1349.1	1234.2	1158.7	1096.3	1047.1	1030.7	1017.5	1030.7
30°	1529.6	1506.6	1457.4	1339.2	1188.2	1076.6	991.3	932.2	915.8	896.1	902.7
32.5°	1585.4	1532.9	1490.2	1309.7	1129.1	984.7	886.2	827.2	797.6	781.2	794.3
35°	1644.5	1592.0	1503.3	1263.7	1037.2	873.1	774.6	718.8	695.9	672.9	672.9
37.5°	1703.6	1674.0	1523.0	1178.4	925.6	768.1	679.5	636.8	597.4	554.7	554.7
40°	1828.3	1788.9	1546.0	1079.9	814.0	666.3	604.0	548.2	508.8	449.7	446.4
42.5°	1959.6	1874.3	1546.0	961.7	715.6	594.1	535.0	475.9	403.7	367.6	370.9
45°	2127.0	2028.5	1503.3	856.7	617.1	535.0	469.4	393.9	361.1	338.1	338.1
47.5°	2337.1	2182.8	1450.8	741.8	538.3	482.5	400.5	354.5	331.5	311.8	308.5
50°	2586.5	2323.9	1385.2	643.4	472.7	433.3	364.3	328.2	308.5	295.4	295.4
52.5°	2849.1	2530.7	1339.2	554.7	420.1	367.6	338.1	315.1	298.7	288.9	285.6
55°	3115.0	2737.5	1306.4	459.5	370.9	338.1	331.5	311.8	305.3	295.4	288.9
57.5°	3413.7	2908.2	1299.8	393.9	331.5	325.0	338.1	321.7	311.8	302.0	292.1
60°	3735.4	3138.0	1240.7	341.4	311.8	318.4	328.2	311.8	305.3	295.4	288.9
62.5°	4053.8	3308.7	1079.9	302.0	292.1	298.7	311.8	298.7	288.9	292.1	295.4
65°	4185.1	3321.8	837.0	272.4	269.2	272.4	292.1	288.9	279.0	298.7	298.7
67.5°	4053.8	3203.6	590.8	246.2	246.2	262.6	295.4	302.0	292.1	318.4	315.1
70°	3755.1	2911.5	400.5	229.8	236.3	279.0	305.3	298.7	285.6	318.4	311.8
72.5°	3187.2	2330.5	292.1	213.4	223.2	265.9	302.0	295.4	285.6	298.7	285.6
75°	2392.9	1657.6	229.8	193.7	196.9	239.6	311.8	295.4	269.2	262.6	252.7
77.5°	1598.5	1024.1	177.2	170.7	170.7	210.1	298.7	275.7	242.9	233.1	229.8
80°	761.5	410.3	141.1	144.4	147.7	180.5	272.4	246.2	219.9	206.8	206.8
82.5°	242.9	154.3	118.2	118.2	118.2	147.7	226.5	206.8	190.4	180.5	164.1
85°	85.3	85.3	101.8	105.0	95.2	108.3	187.1	177.2	157.6	131.3	128.0
87.5°	32.8	49.2	68.9	82.1	59.1	75.5	134.6	124.7	114.9	85.3	82.1
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)