

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: P675121

Luminaire Tested: **CCW-SA-2E-735-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675121
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-735-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T4FT distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

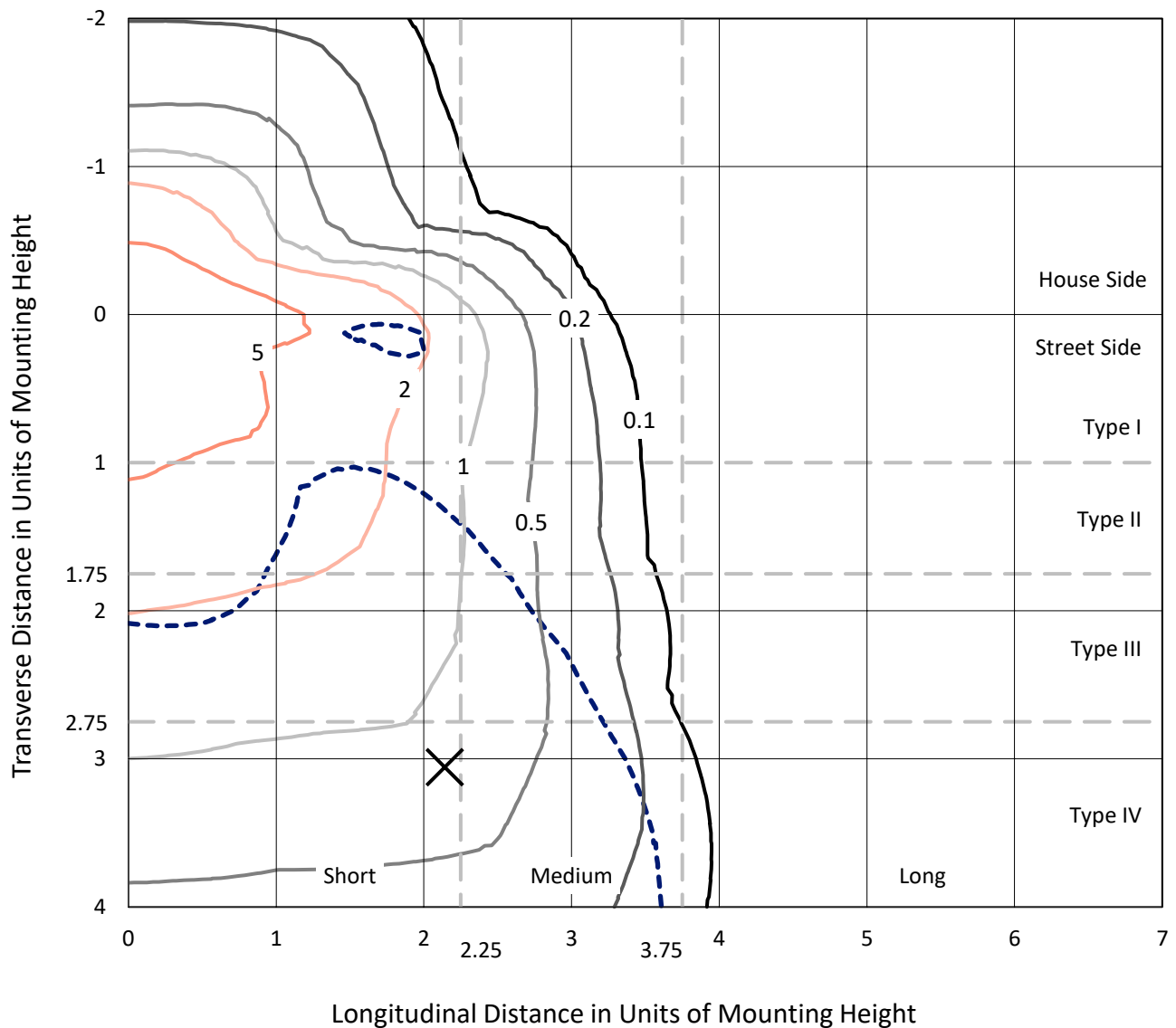
Lumens per Lamp: N/A
Luminaire Lumens: 13477.4 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

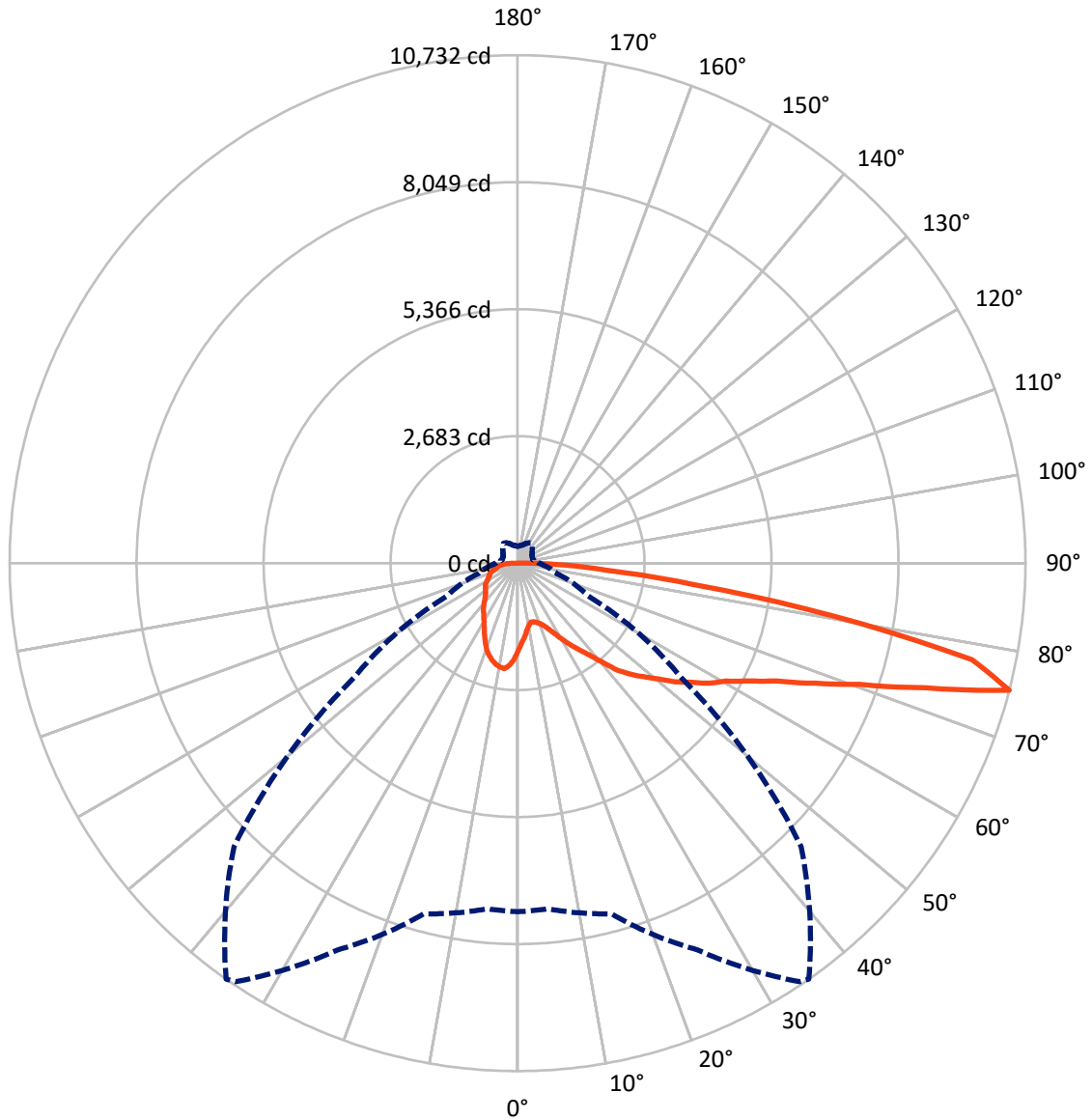
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.7 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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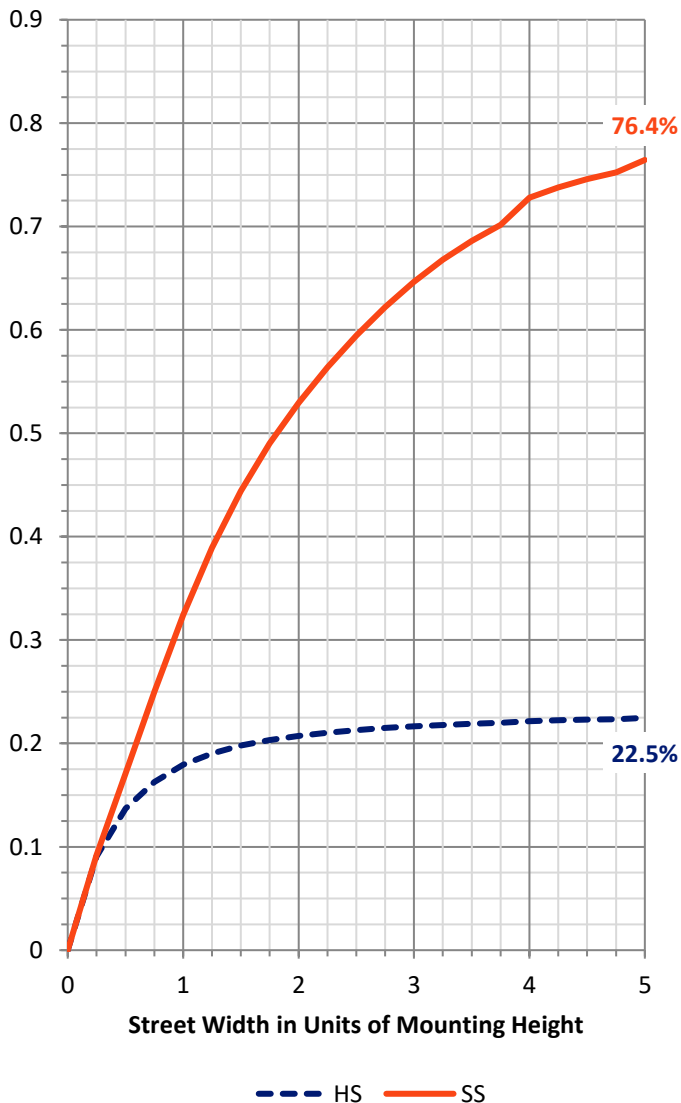
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3097.5	0.0	3097.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	10379.9	0.0	10379.9
	% Fixture	77.0	0.0	77.0
Total	Lumens	13477.4	0.0	13477.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	1.3
10°-20°	510.6	3.8
20°-30°	847.3	6.3
30°-40°	1256.0	9.3
40°-50°	1811.0	13.4
50°-60°	2490.5	18.5
60°-70°	3076.3	22.8
70°-80°	2814.3	20.9
80°-90°	495.4	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°	13477.4	100.0
0°-180°	13477.4	100.0



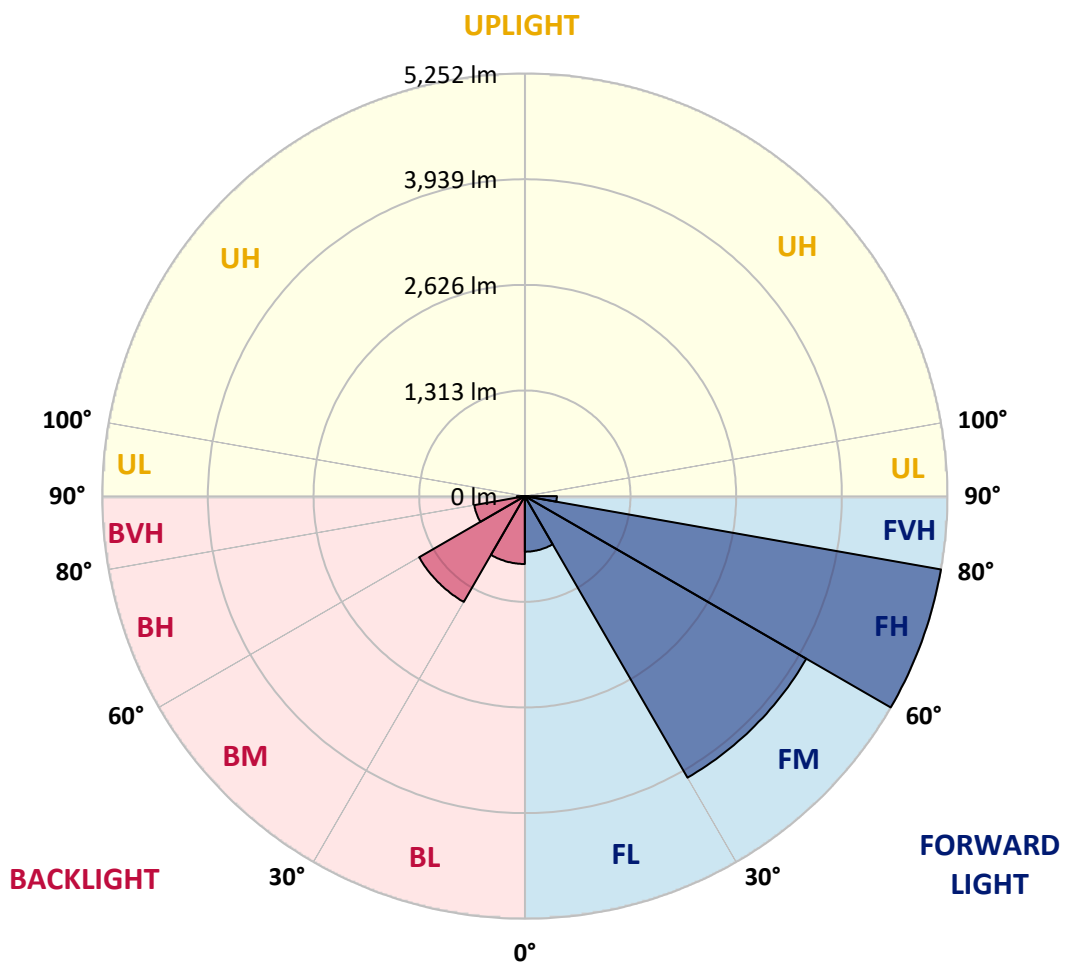
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.8	5.1			
FM (30°-60°)	4039.7	30.0			
FH (60°-80°)	5251.9	39.0			G3/7500
FVH (80°-90°)	397.6	3.0			G3/500
BL (0°-30°)	843.1	6.3	B2/1000		
BM (30°-60°)	1517.8	11.3	B2/2500		
BH (60°-80°)	638.7	4.7	B2/1000		G2/1000
BVH (80°-90°)	97.8	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5
2.5°	1672.8	1657.9	1672.8	1682.7	1682.7	1682.7	1697.6	1742.2	1772.0	1791.9	1826.6
5°	1499.0	1504.0	1513.9	1538.7	1553.6	1563.6	1588.4	1643.0	1687.6	1752.2	1826.6
7.5°	1345.2	1355.1	1370.0	1394.8	1429.5	1424.6	1479.2	1553.6	1638.0	1722.4	1831.6
10°	1265.7	1285.6	1290.6	1295.5	1330.3	1330.3	1404.7	1489.1	1593.3	1702.5	1831.6
12.5°	1280.6	1280.6	1265.7	1260.8	1280.6	1275.7	1340.2	1439.5	1553.6	1707.5	1851.4
15°	1325.3	1325.3	1295.5	1265.7	1295.5	1285.6	1340.2	1419.6	1553.6	1712.5	1891.2
17.5°	1384.9	1389.8	1355.1	1305.4	1315.4	1320.3	1360.0	1434.5	1553.6	1722.4	1945.8
20°	1504.0	1479.2	1424.6	1345.2	1379.9	1365.0	1424.6	1489.1	1583.4	1762.1	2025.2
22.5°	1608.2	1608.2	1504.0	1434.5	1439.5	1439.5	1494.1	1548.7	1628.1	1816.7	2084.7
25°	1777.0	1767.1	1638.0	1533.8	1543.7	1548.7	1578.4	1643.0	1702.5	1846.5	2159.2
27.5°	1990.4	1965.6	1836.6	1717.4	1677.7	1692.6	1707.5	1757.1	1772.0	1896.1	2248.5
30°	2218.8	2184.0	2074.8	1886.2	1866.3	1871.3	1846.5	1876.3	1856.4	1975.5	2337.9
32.5°	2362.7	2362.7	2258.5	2119.5	2064.9	2064.9	1980.5	2000.4	2000.4	2050.0	2496.7
35°	2486.8	2476.9	2407.4	2303.1	2268.4	2248.5	2164.2	2193.9	2144.3	2193.9	2720.1
37.5°	2675.4	2645.6	2615.9	2546.4	2476.9	2462.0	2417.3	2437.2	2367.7	2342.9	2973.2
40°	2893.8	2878.9	2849.1	2819.4	2749.9	2744.9	2695.3	2715.1	2640.7	2546.4	3226.4
42.5°	3216.5	3171.8	3077.5	3052.7	3067.5	3087.4	3067.5	3032.8	2898.8	2779.7	3499.4
45°	3539.1	3469.6	3290.9	3251.2	3365.4	3350.5	3434.9	3420.0	3201.6	3012.9	3787.3
47.5°	3747.6	3688.0	3544.1	3519.2	3568.9	3588.7	3841.9	3797.2	3449.7	3226.4	4065.2
50°	3896.5	3901.4	3712.8	3777.4	3841.9	3841.9	4159.6	4154.6	3752.5	3489.5	4427.6
52.5°	4114.9	4045.4	3966.0	4025.5	4114.9	4164.5	4556.6	4447.4	3941.2	3712.8	4834.6
55°	4229.0	4199.3	4129.8	4234.0	4422.6	4447.4	4864.4	4780.0	4154.6	3975.9	5251.6
57.5°	4273.7	4298.5	4412.7	4457.4	4720.4	4785.0	5142.4	5023.2	4353.1	4303.5	5574.2
60°	4472.3	4437.5	4591.4	4770.1	5023.2	5058.0	5489.8	5231.7	4546.7	4516.9	5678.4
62.5°	4874.3	4785.0	4869.4	5082.8	5435.2	5479.9	5857.1	5509.7	4631.1	4660.9	5673.5
65°	5460.0	5395.5	5271.4	5440.2	5936.5	6001.1	6289.0	5747.9	4606.3	4611.2	5271.4
67.5°	6150.0	6045.7	5916.7	6020.9	6626.5	6775.4	6815.1	5852.2	4432.6	4333.3	4288.6
70°	6755.6	6686.1	6601.7	6780.4	7624.2	7678.8	7470.3	5787.6	3951.1	3479.5	2859.1
72.5°	7321.4	7286.7	7336.3	8006.4	8974.3	9009.1	8085.8	5380.6	3122.1	2109.6	1330.3
75°	7366.1	7331.3	7673.8	9019.0	10666.9	10731.5	8468.0	4219.1	1647.9	858.7	560.9
77.5°	4988.5	5092.7	5733.0	7897.2	9798.3	9813.2	6924.3	1960.6	680.0	506.3	392.1
80°	1226.0	1360.0	2159.2	4085.1	6606.6	6770.4	3792.2	660.2	446.7	387.2	292.9
82.5°	446.7	486.4	878.6	1846.5	3712.8	3777.4	1325.3	357.4	322.6	297.8	213.4
85°	213.4	218.4	416.9	908.4	1876.3	1856.4	476.5	213.4	233.3	203.5	129.1
87.5°	89.3	89.3	183.7	421.9	828.9	804.1	153.9	99.3	134.0	119.1	64.5
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°	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5	1846.5
2.5°	1851.4	1861.4	1901.1	1930.9	1960.6	1985.5	2025.2	2025.2	2050.0	2050.0	2050.0
5°	1846.5	1901.1	1965.6	2035.1	2079.8	2124.5	2164.2	2169.1	2184.0	2203.9	2208.8
7.5°	1866.3	1920.9	2025.2	2124.5	2179.1	2198.9	2248.5	2233.7	2233.7	2233.7	2248.5
10°	1906.0	1965.6	2109.6	2198.9	2238.6	2243.6	2228.7	2218.8	2189.0	2179.1	2164.2
12.5°	1935.8	2040.1	2184.0	2253.5	2238.6	2223.7	2189.0	2139.3	2104.6	2094.7	2094.7
15°	2010.3	2114.5	2248.5	2273.4	2248.5	2169.1	2124.5	2069.8	2040.1	1995.4	2015.2
17.5°	2074.8	2193.9	2313.1	2283.3	2233.7	2109.6	2045.0	1965.6	1925.9	1876.3	1876.3
20°	2159.2	2268.4	2372.6	2293.2	2184.0	2050.0	1945.8	1846.5	1791.9	1742.2	1752.2
22.5°	2253.5	2352.8	2407.4	2253.5	2109.6	1955.7	1811.7	1717.4	1647.9	1618.2	1628.1
25°	2328.0	2437.2	2427.2	2189.0	2020.2	1836.6	1677.7	1588.4	1573.5	1543.7	1543.7
27.5°	2422.3	2536.4	2412.3	2109.6	1871.3	1647.9	1548.7	1513.9	1513.9	1499.0	1509.0
30°	2546.4	2625.8	2377.6	1995.4	1682.7	1479.2	1429.5	1449.4	1484.1	1469.2	1474.2
32.5°	2749.9	2739.9	2347.8	1866.3	1484.1	1315.4	1350.1	1389.8	1419.6	1434.5	1444.4
35°	2948.4	2883.9	2313.1	1692.6	1300.5	1236.0	1265.7	1310.4	1365.0	1379.9	1384.9
37.5°	3147.0	3032.8	2253.5	1479.2	1186.3	1166.5	1196.2	1221.1	1265.7	1275.7	1285.6
40°	3355.4	3132.1	2149.3	1270.7	1092.0	1092.0	1111.9	1116.8	1141.6	1156.5	1166.5
42.5°	3539.1	3226.4	1960.6	1077.1	992.7	1027.5	1032.4	1022.5	1002.7	1012.6	1017.6
45°	3762.5	3330.6	1742.2	938.1	918.3	963.0	972.9	933.2	898.4	878.6	868.6
47.5°	3980.9	3439.8	1553.6	824.0	848.8	918.3	918.3	873.6	814.0	764.4	744.6
50°	4179.4	3549.0	1399.8	754.5	779.3	883.5	893.5	809.1	744.6	685.0	675.1
52.5°	4512.0	3732.7	1240.9	699.9	739.6	858.7	853.8	779.3	694.9	630.4	625.4
55°	4804.8	3916.3	1032.4	645.3	699.9	824.0	838.9	749.5	635.3	575.8	565.9
57.5°	5018.3	3961.0	824.0	590.7	660.2	784.3	804.1	689.9	595.6	546.0	541.0
60°	5058.0	3787.3	670.1	546.0	605.6	729.7	744.6	655.2	565.9	526.1	516.2
62.5°	4874.3	3454.7	570.8	506.3	560.9	675.1	704.8	615.5	536.1	501.3	496.4
65°	4457.4	2968.3	501.3	471.5	531.1	635.3	670.1	585.7	511.3	481.5	476.5
67.5°	3529.2	2278.3	446.7	446.7	491.4	595.6	645.3	565.9	486.4	466.6	461.6
70°	2308.1	1370.0	407.0	412.0	461.6	560.9	615.5	541.0	456.7	451.7	441.8
72.5°	992.7	630.4	362.3	377.2	416.9	501.3	570.8	506.3	421.9	407.0	392.1
75°	456.7	382.2	327.6	337.5	372.3	441.8	516.2	466.6	392.1	367.3	352.4
77.5°	322.6	278.0	273.0	292.9	317.7	382.2	456.7	436.8	362.3	342.5	332.6
80°	238.3	213.4	228.3	248.2	263.1	352.4	431.8	402.1	332.6	302.8	287.9
82.5°	168.8	158.8	178.7	198.5	213.4	307.7	397.1	352.4	278.0	253.1	228.3
85°	99.3	104.2	124.1	134.0	148.9	228.3	332.6	282.9	213.4	163.8	158.8
87.5°	44.7	44.7	59.6	64.5	74.5	134.0	223.4	178.7	134.0	104.2	99.3
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)