

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: P674844

Luminaire Tested: **CCW-SA-2E-740-U-T2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674844  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-740-U-T2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T2 distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

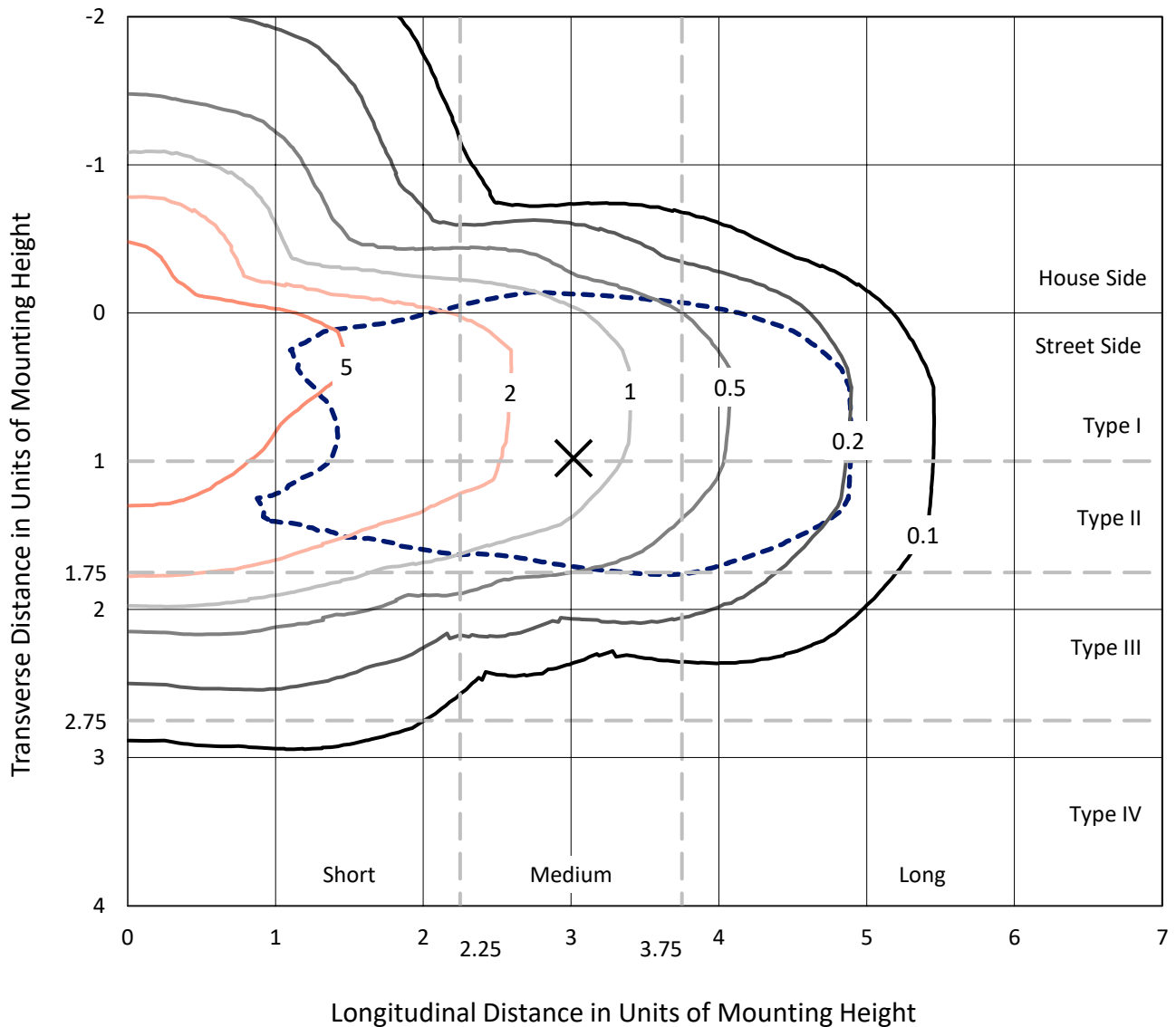
Lumens per Lamp: N/A  
Luminaire Lumens: 13638.9 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

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

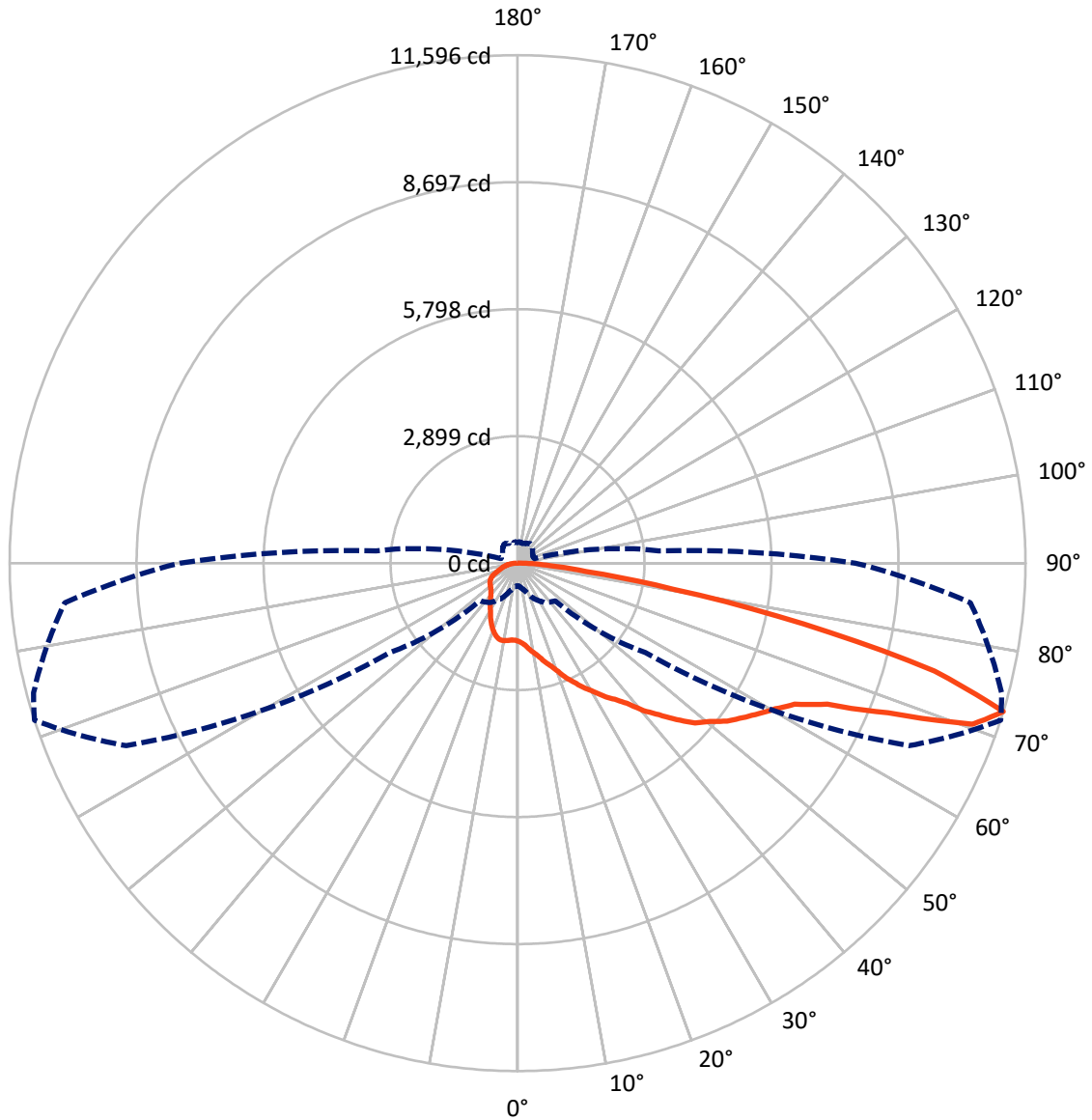
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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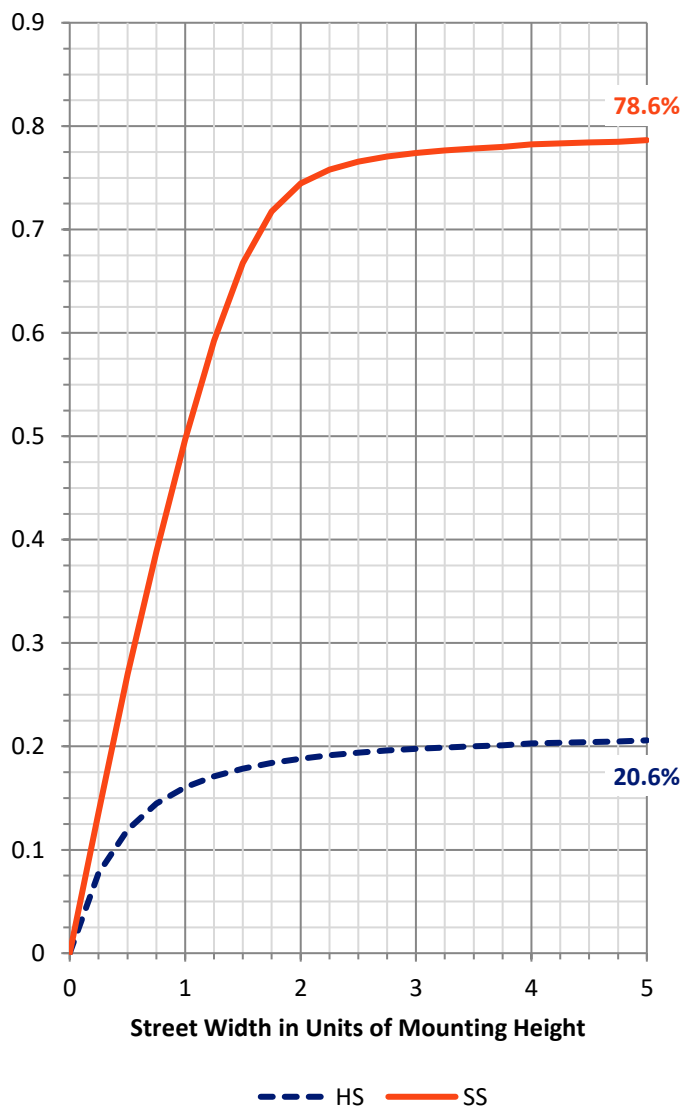
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2870.4	0.0	2870.4
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	10768.5	0.0	10768.5
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	13638.9	0.0	13638.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.1	1.3
10°-20°	547.3	4.0
20°-30°	947.1	6.9
30°-40°	1398.9	10.3
40°-50°	2080.4	15.3
50°-60°	2852.0	20.9
60°-70°	3093.6	22.7
70°-80°	2181.0	16.0
80°-90°	362.4	2.7
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°	13638.9	100.0
0°-180°	13638.9	100.0



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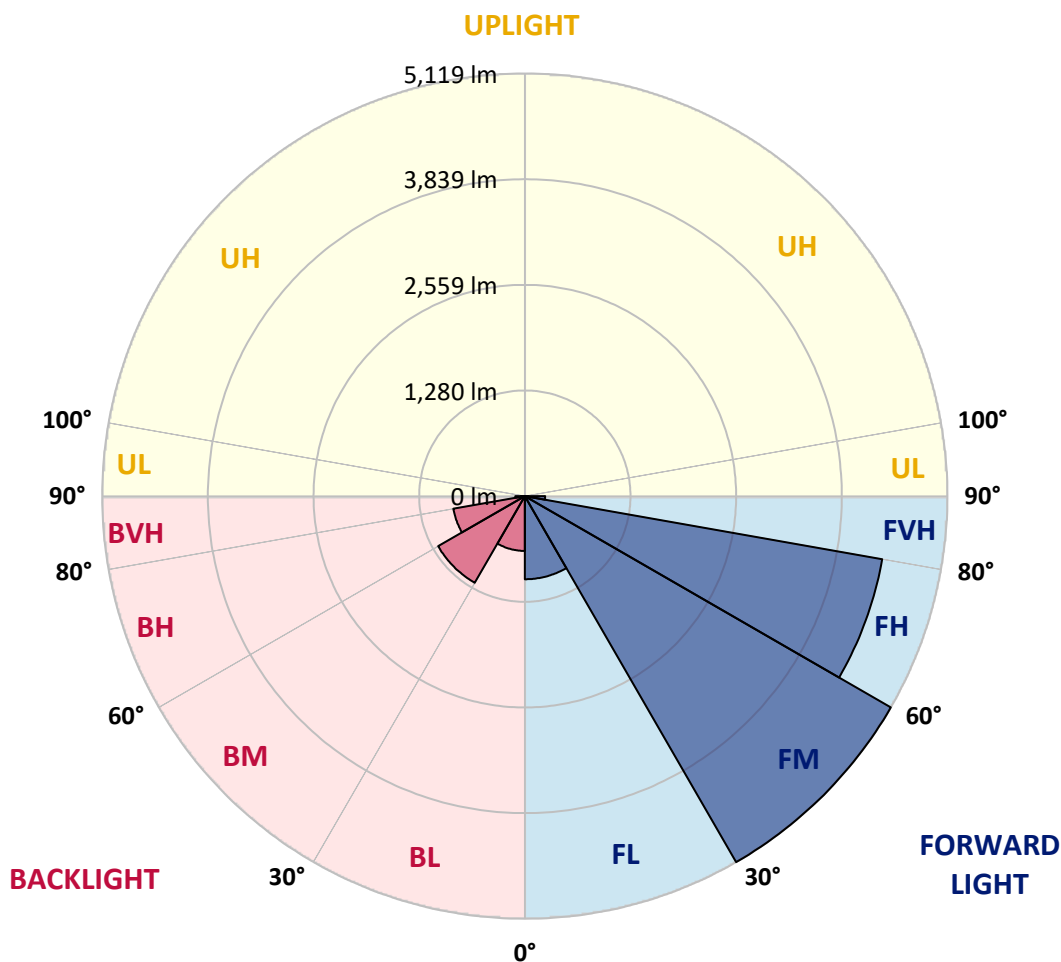
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1007.1	7.4			
FM (30°-60°)	5119.0	37.5			
FH (60°-80°)	4395.4	32.2			G2/5000
FVH (80°-90°)	247.1	1.8			G3/500
BL (0°-30°)	663.4	4.9	B2/1000		
BM (30°-60°)	1212.4	8.9	B2/2500		
BH (60°-80°)	879.3	6.4	B2/1000		G2/1000
BVH (80°-90°)	115.3	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1922.5	1922.5	1907.4	1902.4	1902.4	1862.2	1867.2	1842.0	1821.9	1821.9	1801.8
5°	2023.2	2013.1	2013.1	2013.1	1988.0	1972.9	1967.8	1922.5	1887.3	1892.3	1832.0
7.5°	2048.4	2053.4	2058.4	2083.6	2068.5	2078.6	2068.5	2018.2	1993.0	1967.8	1912.5
10°	2063.5	2073.5	2073.5	2108.8	2108.8	2133.9	2149.0	2128.9	2083.6	2058.4	1967.8
12.5°	2098.7	2083.6	2103.7	2128.9	2154.1	2199.4	2244.6	2224.5	2194.3	2164.1	2063.5
15°	2098.7	2103.7	2118.8	2159.1	2199.4	2244.6	2325.2	2355.4	2340.3	2284.9	2179.2
17.5°	2038.3	2023.2	2093.7	2169.2	2244.6	2300.0	2405.7	2476.2	2466.1	2446.0	2284.9
20°	2043.3	2058.4	2083.6	2149.0	2269.8	2370.5	2501.3	2617.1	2642.2	2632.2	2425.8
22.5°	2133.9	2139.0	2164.1	2194.3	2289.9	2420.8	2617.1	2803.3	2848.6	2823.4	2581.8
25°	2224.5	2264.8	2264.8	2284.9	2320.1	2456.0	2692.6	2954.3	3019.7	3024.7	2742.9
27.5°	2370.5	2380.5	2410.7	2420.8	2451.0	2531.5	2778.1	3065.0	3216.0	3195.9	2888.9
30°	2541.6	2546.6	2566.7	2556.7	2561.7	2662.4	2858.7	3190.8	3397.2	3402.2	3044.9
32.5°	2742.9	2783.2	2793.2	2727.8	2737.9	2763.0	2984.5	3341.8	3623.6	3588.4	3180.8
35°	3039.8	3054.9	3024.7	2994.5	2919.0	2903.9	3115.3	3492.8	3819.9	3860.2	3382.1
37.5°	3407.2	3447.5	3407.2	3246.2	3165.7	3105.3	3276.4	3658.9	4056.5	4192.4	3583.4
40°	3749.5	3744.4	3704.2	3558.2	3417.3	3372.0	3507.9	3890.4	4423.9	4554.7	3875.3
42.5°	4026.3	4011.2	3986.0	3875.3	3744.4	3668.9	3774.6	4132.0	4730.9	4982.5	4212.5
45°	4267.8	4247.7	4252.8	4126.9	4001.1	4041.4	4041.4	4408.8	5093.2	5405.3	4600.0
47.5°	4494.3	4504.4	4489.3	4393.7	4298.0	4403.7	4348.4	4725.8	5450.6	5797.8	4927.2
50°	4756.0	4776.2	4725.8	4665.4	4579.9	4685.6	4615.1	5022.8	5682.1	6155.2	5319.7
52.5°	5002.6	5022.8	5068.1	4992.6	4907.0	4992.6	4831.5	5299.6	5989.1	6502.4	5621.7
55°	5063.0	5053.0	5304.6	5385.1	5430.4	5173.8	5022.8	5536.1	6230.7	6723.9	5963.9
57.5°	4786.2	4811.4	5153.6	5385.1	5868.3	5646.8	5239.2	5812.9	6482.3	7015.8	6281.0
60°	4096.7	4111.8	4539.6	5088.2	5792.8	6089.7	5823.0	6170.3	6759.1	7262.4	6638.3
62.5°	2737.9	2853.6	3387.1	4247.7	5259.3	6210.5	6754.1	6774.2	7096.3	7574.4	7126.5
65°	1444.4	1499.8	1917.5	2612.0	3986.0	5792.8	7629.8	7972.0	7770.7	8148.2	7831.1
67.5°	946.2	966.3	1192.8	1585.3	2300.0	4227.6	7730.4	10050.6	9124.5	9240.3	8958.5
70°	704.6	714.7	880.7	1172.7	1424.3	2259.7	6336.3	11021.9	11016.9	10709.9	10297.2
72.5°	518.4	533.5	649.2	895.8	1097.2	1217.9	3563.3	9859.3	11595.7	11439.6	10377.7
75°	407.7	417.7	478.1	694.5	885.8	800.2	1806.8	7302.7	9834.2	10584.1	9497.0
77.5°	332.2	342.2	377.5	503.3	709.6	619.0	865.6	4710.7	6668.5	7619.7	7267.4
80°	276.8	276.8	302.0	357.3	548.6	468.1	513.3	2647.3	3593.4	3965.9	3296.5
82.5°	236.5	231.5	251.6	261.7	407.7	337.2	332.2	1197.8	1580.3	1675.9	1238.1
85°	151.0	156.0	236.5	226.5	266.7	231.5	186.2	568.7	744.9	760.0	463.0
87.5°	60.4	60.4	100.7	125.8	151.0	140.9	90.6	256.7	327.1	327.1	130.9
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°	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1796.7	1776.6	1761.5	1751.4	1726.3	1701.1	1706.1	1701.1	1681.0	1670.9	1670.9
5°	1816.9	1796.7	1771.6	1731.3	1706.1	1675.9	1686.0	1665.9	1645.7	1660.8	1635.7
7.5°	1867.2	1832.0	1796.7	1736.3	1696.1	1650.8	1630.6	1620.6	1605.5	1595.4	1595.4
10°	1937.6	1887.3	1821.9	1731.3	1665.9	1595.4	1585.3	1565.2	1550.1	1550.1	1545.1
12.5°	2008.1	1952.7	1842.0	1696.1	1585.3	1535.0	1530.0	1535.0	1545.1	1550.1	1555.1
15°	2098.7	2008.1	1837.0	1630.6	1519.9	1499.8	1525.0	1545.1	1565.2	1585.3	1580.3
17.5°	2184.3	2078.6	1791.7	1550.1	1464.6	1469.6	1514.9	1555.1	1595.4	1615.5	1620.6
20°	2300.0	2144.0	1726.3	1454.5	1409.2	1454.5	1514.9	1565.2	1610.5	1635.7	1640.7
22.5°	2430.9	2219.5	1640.7	1368.9	1363.9	1409.2	1469.6	1545.1	1595.4	1640.7	1635.7
25°	2546.6	2269.8	1530.0	1298.5	1308.5	1338.7	1409.2	1489.7	1540.0	1590.4	1575.3
27.5°	2622.1	2279.9	1414.2	1248.1	1248.1	1278.3	1343.8	1394.1	1439.4	1479.7	1484.7
30°	2707.7	2259.7	1283.4	1182.7	1182.7	1223.0	1248.1	1278.3	1303.5	1313.6	1323.6
32.5°	2808.3	2214.5	1202.8	1132.4	1132.4	1162.6	1177.7	1167.6	1162.6	1137.4	1152.5
35°	2903.9	2149.0	1112.3	1067.0	1087.1	1102.2	1097.2	1067.0	1036.8	991.5	976.4
37.5°	3019.7	2083.6	1031.7	996.5	1031.7	1036.8	1036.8	1001.5	961.3	905.9	905.9
40°	3195.9	2033.3	966.3	951.2	986.4	981.4	956.2	931.1	946.2	916.0	916.0
42.5°	3382.1	2013.1	905.9	910.9	926.0	931.1	905.9	875.7	936.1	900.9	905.9
45°	3613.6	2028.2	865.6	860.6	895.8	890.8	875.7	850.6	870.7	780.1	754.9
47.5°	3830.0	2058.4	845.5	825.4	865.6	875.7	855.6	800.2	770.0	714.7	704.6
50°	4026.3	2123.9	825.4	785.1	825.4	845.5	810.3	749.9	714.7	679.4	679.4
52.5°	4212.5	2219.5	815.3	739.8	775.1	800.2	780.1	719.7	679.4	664.3	649.2
55°	4403.7	2305.0	800.2	709.6	719.7	770.0	765.0	684.5	644.2	644.2	639.2
57.5°	4675.5	2420.8	780.1	659.3	679.4	734.8	734.8	669.4	624.1	629.1	634.1
60°	4952.3	2556.7	760.0	609.0	624.1	699.6	709.6	649.2	609.0	614.0	609.0
62.5°	5395.2	2808.3	719.7	548.6	578.8	654.3	679.4	624.1	588.8	598.9	598.9
65°	6064.6	3241.1	634.1	498.3	533.5	614.0	649.2	598.9	558.6	588.8	578.8
67.5°	7141.6	3835.0	533.5	458.0	503.3	573.7	614.0	568.7	533.5	578.8	563.7
70°	8107.9	4126.9	458.0	422.8	458.0	528.4	573.7	538.5	503.3	548.6	528.4
72.5°	7715.3	3236.1	397.6	382.5	417.7	478.1	533.5	498.3	463.0	488.2	468.1
75°	6658.4	2576.8	347.3	342.2	372.4	432.8	488.2	463.0	427.8	437.9	427.8
77.5°	5047.9	2128.9	296.9	291.9	317.1	387.5	437.9	417.7	382.5	377.5	377.5
80°	2254.7	1046.8	246.6	246.6	261.7	332.2	372.4	362.4	327.1	322.1	317.1
82.5°	739.8	397.6	201.3	191.2	211.4	276.8	332.2	322.1	286.9	276.8	266.7
85°	296.9	191.2	146.0	146.0	166.1	231.5	296.9	276.8	231.5	206.3	206.3
87.5°	100.7	80.5	75.5	75.5	105.7	156.0	221.4	186.2	166.1	146.0	151.0
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)