

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: P674988

Luminaire Tested: **CCW-SA-2E-740-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674988  
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-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
T3 distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

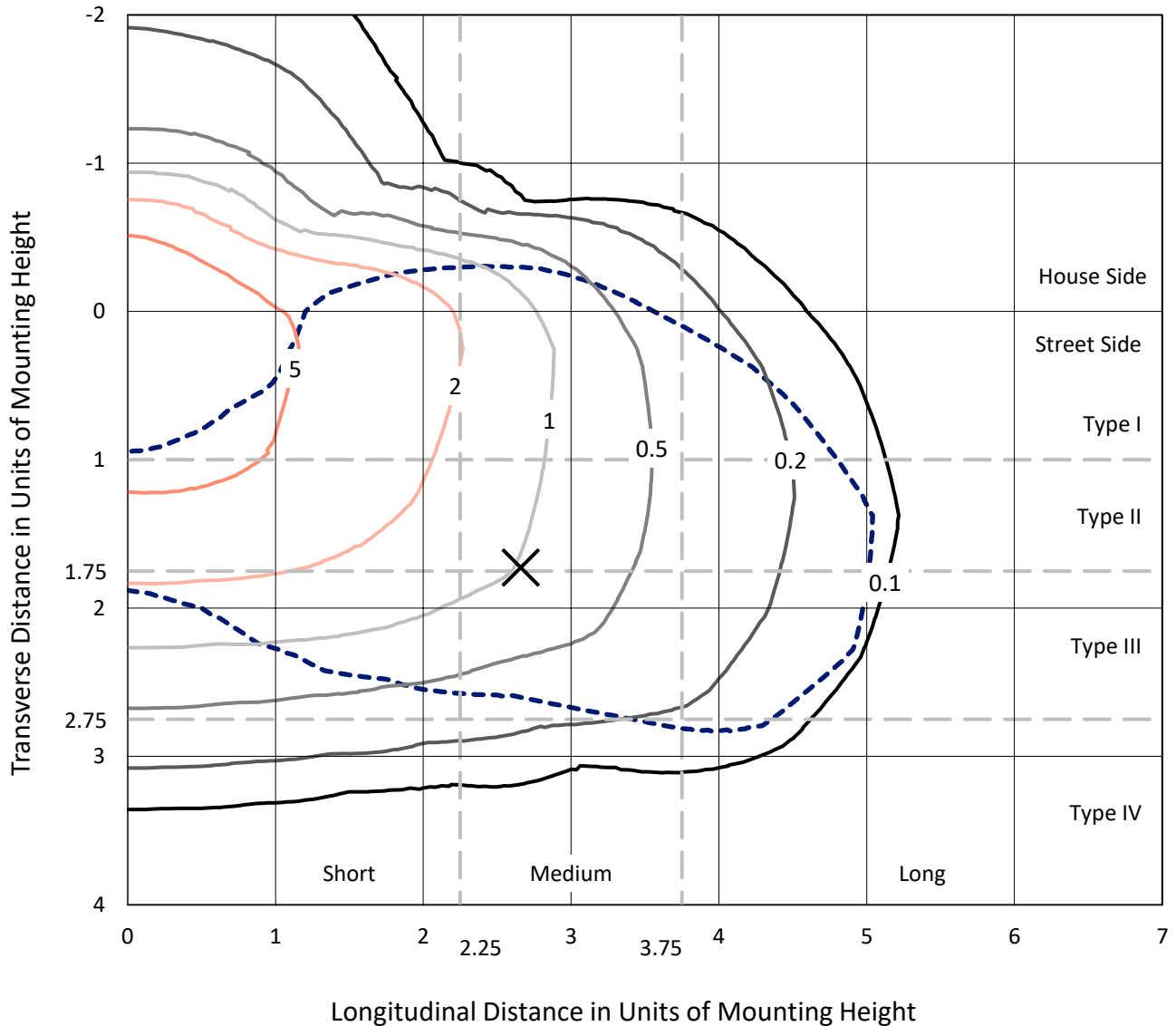
Lumens per Lamp: N/A  
Luminaire Lumens: 13815 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

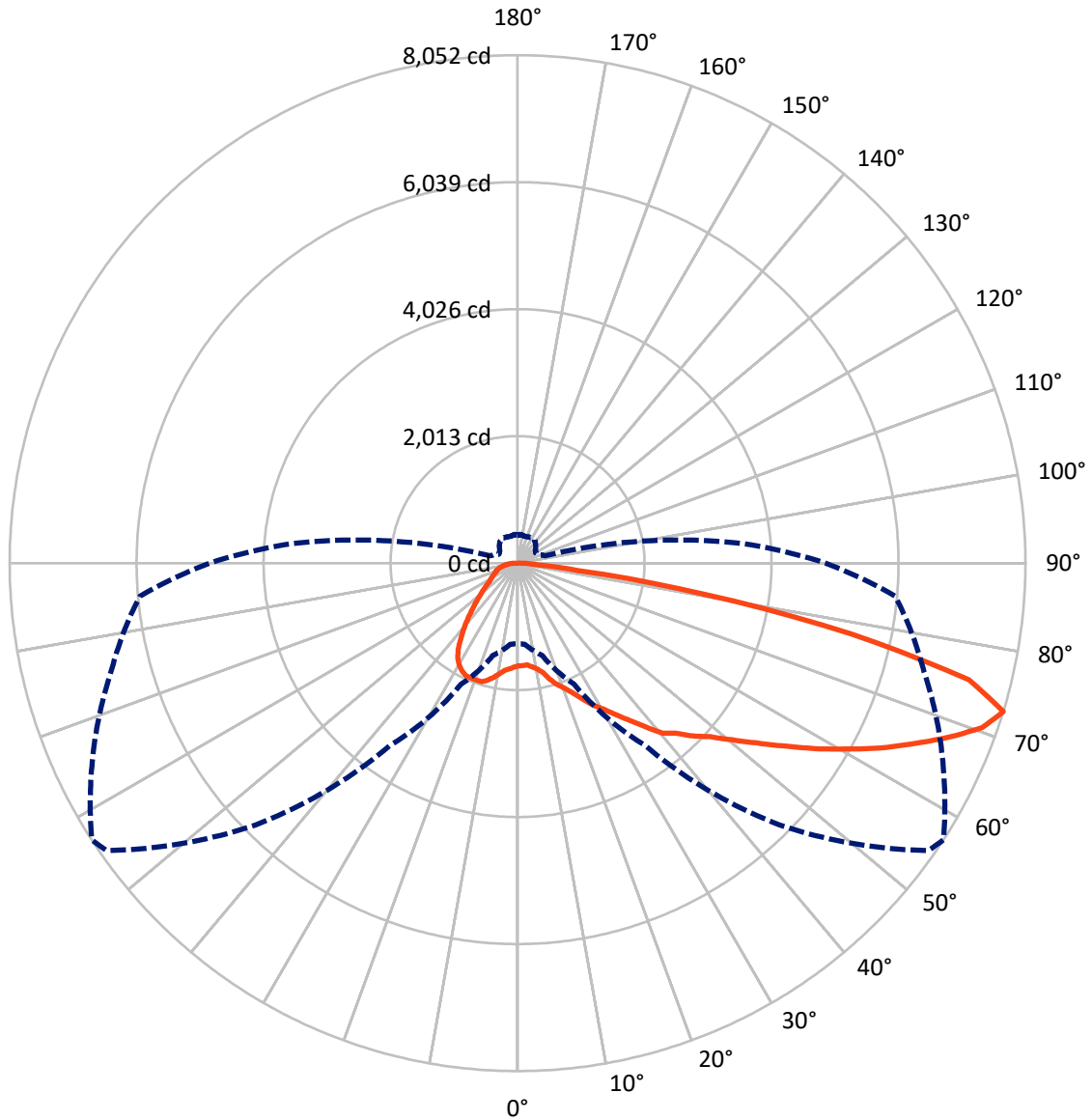
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.3 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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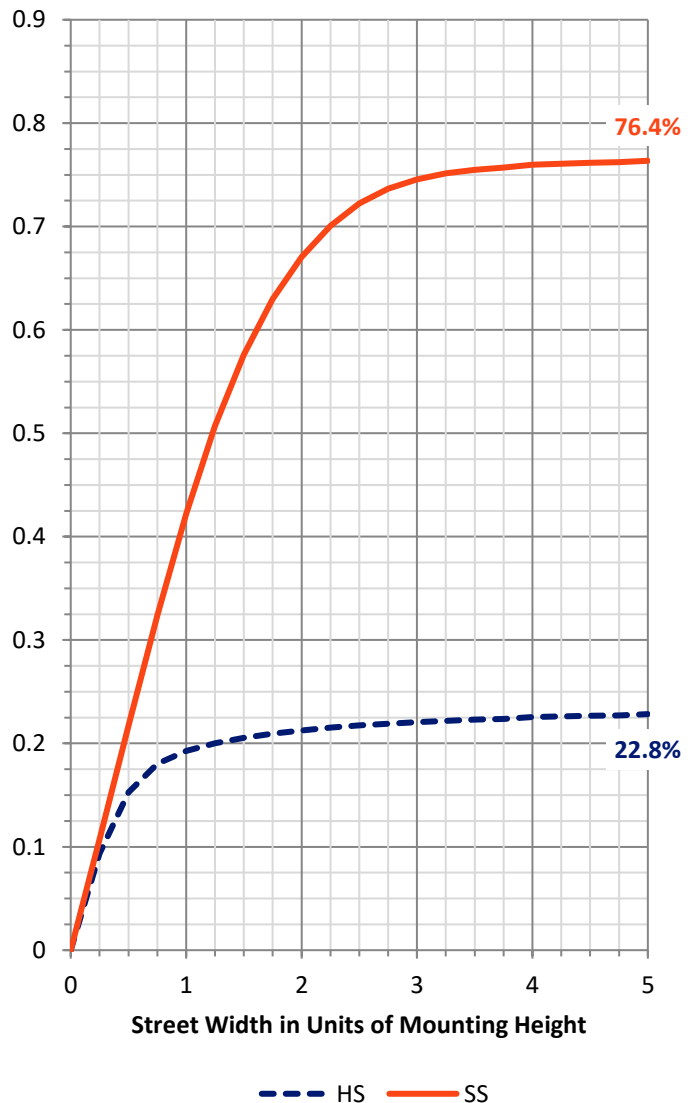
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3226.3	0.0	3226.3
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	10588.7	0.0	10588.7
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	13815.0	0.0	13815.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.9	1.2
10°-20°	545.5	3.9
20°-30°	997.2	7.2
30°-40°	1463.0	10.6
40°-50°	2014.3	14.6
50°-60°	2762.3	20.0
60°-70°	3329.7	24.1
70°-80°	2218.1	16.1
80°-90°	323.1	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°	13815.0	100.0
0°-180°	13815.0	100.0



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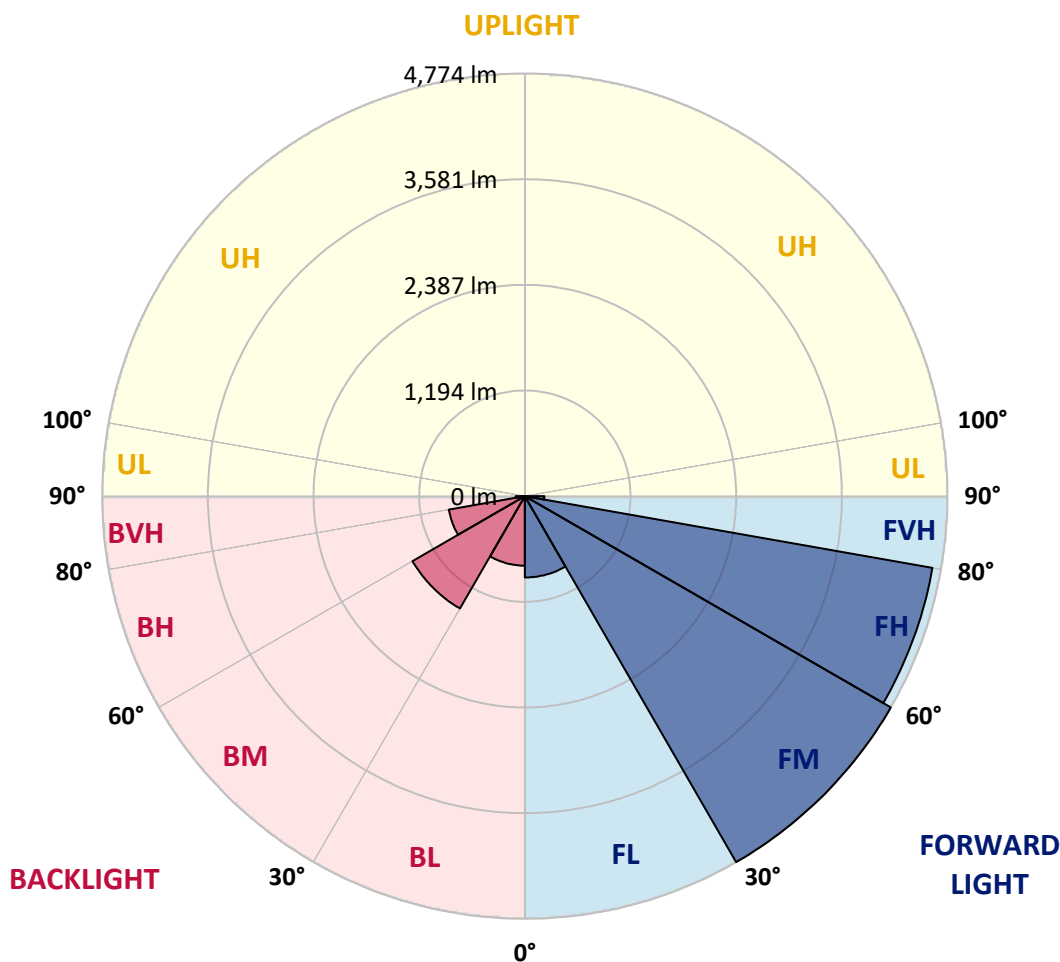
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.0	6.7			
FM (30°-60°)	4774.2	34.6			
FH (60°-80°)	4675.5	33.8			G2/5000
FVH (80°-90°)	220.0	1.6			G2/225
BL (0°-30°)	785.5	5.7	B2/1000		
BM (30°-60°)	1465.4	10.6	B2/2500		
BH (60°-80°)	872.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	103.1	0.7			G2/225
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°	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6
2.5°	1600.4	1605.5	1615.5	1610.5	1610.5	1595.4	1620.6	1625.6	1615.5	1620.6	1630.6
5°	1600.4	1610.5	1625.6	1615.5	1620.6	1615.5	1605.5	1620.6	1620.6	1625.6	1640.7
7.5°	1686.0	1680.9	1680.9	1665.8	1660.8	1655.8	1660.8	1660.8	1650.7	1655.8	1655.8
10°	1781.6	1781.6	1771.5	1771.5	1761.5	1736.3	1711.1	1706.1	1691.0	1696.0	1696.0
12.5°	1882.3	1892.3	1902.4	1872.2	1862.1	1821.9	1806.8	1776.6	1776.6	1766.5	1761.5
15°	2008.1	1993.0	2003.0	1993.0	1967.8	1927.5	1902.4	1907.4	1872.2	1862.1	1847.0
17.5°	2118.8	2123.8	2108.7	2098.7	2053.4	2023.2	2028.2	2023.2	1977.9	1962.8	1937.6
20°	2249.6	2244.6	2244.6	2214.4	2174.2	2133.9	2118.8	2113.8	2123.8	2093.6	2033.2
22.5°	2385.5	2365.4	2365.4	2340.2	2284.9	2259.7	2249.6	2229.5	2239.6	2214.4	2123.8
25°	2496.3	2496.3	2531.5	2481.2	2451.0	2400.6	2380.5	2385.5	2390.6	2340.2	2234.5
27.5°	2642.2	2617.0	2652.3	2627.1	2612.0	2556.6	2531.5	2546.6	2536.5	2481.2	2335.2
30°	2828.4	2833.4	2813.3	2778.1	2758.0	2717.7	2702.6	2687.5	2702.6	2632.1	2445.9
32.5°	3059.9	3075.0	3024.7	2984.4	2949.2	2908.9	2878.7	2863.6	2878.7	2773.1	2531.5
35°	3326.7	3341.8	3301.5	3256.2	3215.9	3115.3	3090.1	3065.0	3009.6	2838.5	2612.0
37.5°	3573.3	3553.1	3543.1	3543.1	3467.6	3321.6	3306.5	3291.4	3185.7	2969.3	2722.7
40°	3739.3	3764.5	3754.4	3744.4	3734.3	3598.4	3568.2	3543.1	3366.9	3165.6	2878.7
42.5°	3925.6	3910.5	3950.7	3965.8	3930.6	3890.3	3769.5	3684.0	3528.0	3366.9	3110.2
45°	4147.0	4136.9	4152.0	4207.4	4157.1	4172.2	3970.9	3910.5	3714.2	3618.6	3402.1
47.5°	4343.3	4368.4	4443.9	4459.0	4418.8	4489.2	4207.4	4111.8	3986.0	3910.5	3704.1
50°	4428.8	4459.0	4630.1	4735.8	4740.9	4851.6	4443.9	4403.7	4232.6	4262.8	4081.6
52.5°	4358.4	4454.0	4660.3	4937.1	5108.3	5219.0	4756.0	4735.8	4579.8	4675.4	4494.3
55°	4423.8	4514.4	4650.3	5037.8	5470.6	5495.8	5188.8	5113.3	4957.3	5088.1	4922.0
57.5°	4454.0	4403.7	4660.3	5148.5	5737.4	5802.8	5601.5	5546.1	5425.3	5551.1	5455.5
60°	4217.5	4277.9	4519.4	5118.3	5752.5	6129.9	6064.5	5984.0	5873.2	5989.0	5933.6
62.5°	3950.7	3991.0	4252.7	4937.1	5838.0	6366.4	6512.4	6452.0	6296.0	6396.6	6492.3
65°	3613.5	3618.6	3910.5	4615.0	5671.9	6502.3	6905.0	6899.9	6789.2	6764.0	6915.0
67.5°	3200.8	3241.1	3472.6	4272.8	5445.5	6653.3	7292.5	7368.0	7146.5	6950.3	7005.6
70°	2456.0	2496.3	2717.7	3502.8	4982.4	6608.0	7770.6	7810.9	7378.0	6879.8	6738.9
72.5°	1278.3	1288.4	1514.9	2113.8	3533.0	5868.2	7946.7	8052.4	7438.4	6673.4	6009.1
75°	422.8	422.8	518.4	805.2	1665.8	3754.4	7196.9	7388.1	7141.5	6160.1	4917.0
77.5°	251.6	256.7	307.0	402.6	664.3	1499.8	5073.0	5410.2	5843.0	5239.1	3593.4
80°	181.2	186.2	231.5	276.8	397.6	483.1	2546.6	3014.6	3588.4	3372.0	1917.5
82.5°	135.9	135.9	181.2	206.3	271.8	286.9	709.6	971.3	1550.1	1207.9	528.4
85°	140.9	140.9	140.9	146.0	186.2	166.1	296.9	317.1	452.9	397.6	146.0
87.5°	50.3	55.4	140.9	95.6	95.6	70.5	115.8	125.8	161.0	166.1	55.4
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°	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6
2.5°	1635.6	1635.6	1640.7	1640.7	1650.7	1660.8	1675.9	1665.8	1665.8	1670.9	1665.8
5°	1630.6	1635.6	1650.7	1675.9	1686.0	1691.0	1721.2	1721.2	1721.2	1731.3	1731.3
7.5°	1650.7	1660.8	1686.0	1711.1	1716.2	1731.3	1771.5	1781.6	1806.8	1816.8	1821.9
10°	1701.1	1716.2	1736.3	1766.5	1786.6	1806.8	1837.0	1872.2	1867.2	1897.4	1902.4
12.5°	1776.6	1771.5	1806.8	1837.0	1857.1	1887.3	1897.4	1897.4	1897.4	1897.4	1907.4
15°	1837.0	1847.0	1877.2	1897.4	1922.5	1917.5	1897.4	1877.2	1882.3	1877.2	1877.2
17.5°	1927.5	1927.5	1952.7	1957.7	1967.8	1917.5	1887.3	1887.3	1902.4	1902.4	1892.3
20°	2018.1	2013.1	2023.2	2018.1	1952.7	1892.3	1887.3	1892.3	1897.4	1892.3	1887.3
22.5°	2103.7	2093.6	2078.5	2058.4	1942.6	1887.3	1877.2	1852.1	1826.9	1826.9	1811.8
25°	2179.2	2169.1	2128.9	2068.5	1937.6	1857.1	1806.8	1746.4	1716.2	1701.1	1721.2
27.5°	2249.6	2229.5	2174.2	2068.5	1892.3	1776.6	1680.9	1605.5	1580.3	1560.2	1580.3
30°	2345.3	2310.0	2234.5	2053.4	1821.9	1650.7	1519.9	1429.3	1404.1	1373.9	1384.0
32.5°	2430.8	2350.3	2284.9	2008.1	1731.3	1509.8	1358.8	1268.3	1223.0	1197.8	1217.9
35°	2521.4	2440.9	2305.0	1937.6	1590.4	1338.7	1187.7	1102.2	1066.9	1031.7	1031.7
37.5°	2612.0	2566.7	2335.2	1806.8	1419.2	1177.7	1041.8	976.4	916.0	850.5	850.5
40°	2803.3	2742.9	2370.4	1655.8	1248.1	1021.7	926.0	840.5	780.1	689.5	684.5
42.5°	3004.6	2873.7	2370.4	1474.6	1097.1	910.9	820.3	729.8	619.0	563.7	568.7
45°	3261.2	3110.2	2305.0	1313.6	946.2	820.3	719.7	603.9	553.6	518.4	518.4
47.5°	3583.3	3346.8	2224.5	1137.4	825.4	739.8	614.0	543.5	508.3	478.1	473.1
50°	3965.8	3563.2	2123.8	986.4	724.7	664.3	558.6	503.3	473.1	452.9	452.9
52.5°	4368.4	3880.3	2053.4	850.5	644.2	563.7	518.4	483.1	458.0	442.9	437.9
55°	4776.1	4197.3	2003.0	704.6	568.7	518.4	508.3	478.1	468.0	452.9	442.9
57.5°	5234.1	4459.0	1993.0	603.9	508.3	498.2	518.4	493.2	478.1	463.0	447.9
60°	5727.3	4811.3	1902.4	523.4	478.1	488.2	503.3	478.1	468.0	452.9	442.9
62.5°	6215.5	5073.0	1655.8	463.0	447.9	458.0	478.1	458.0	442.9	447.9	452.9
65°	6416.8	5093.2	1283.4	417.7	412.7	417.7	447.9	442.9	427.8	458.0	458.0
67.5°	6215.5	4912.0	905.9	377.5	377.5	402.6	452.9	463.0	447.9	488.2	483.1
70°	5757.5	4464.1	614.0	352.3	362.4	427.8	468.0	458.0	437.9	488.2	478.1
72.5°	4886.8	3573.3	447.9	327.1	342.2	407.7	463.0	452.9	437.9	458.0	437.9
75°	3668.9	2541.5	352.3	296.9	302.0	367.4	478.1	452.9	412.7	402.6	387.5
77.5°	2451.0	1570.2	271.8	261.7	261.7	322.1	458.0	422.8	372.4	357.3	352.3
80°	1167.6	629.1	216.4	221.4	226.5	276.8	417.7	377.5	337.2	317.1	317.1
82.5°	372.4	236.5	181.2	181.2	181.2	226.5	347.3	317.1	291.9	276.8	251.6
85°	130.9	130.9	156.0	161.0	146.0	166.1	286.9	271.8	241.6	201.3	196.3
87.5°	50.3	75.5	105.7	125.8	90.6	115.8	206.3	191.2	176.1	130.9	125.8
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)