

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: STREETWORKS

Report Number: P148588

Luminaire Tested: **AVM-E06-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P148588  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVM-E06-LED-E-U-5XQ-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16105.2 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G3

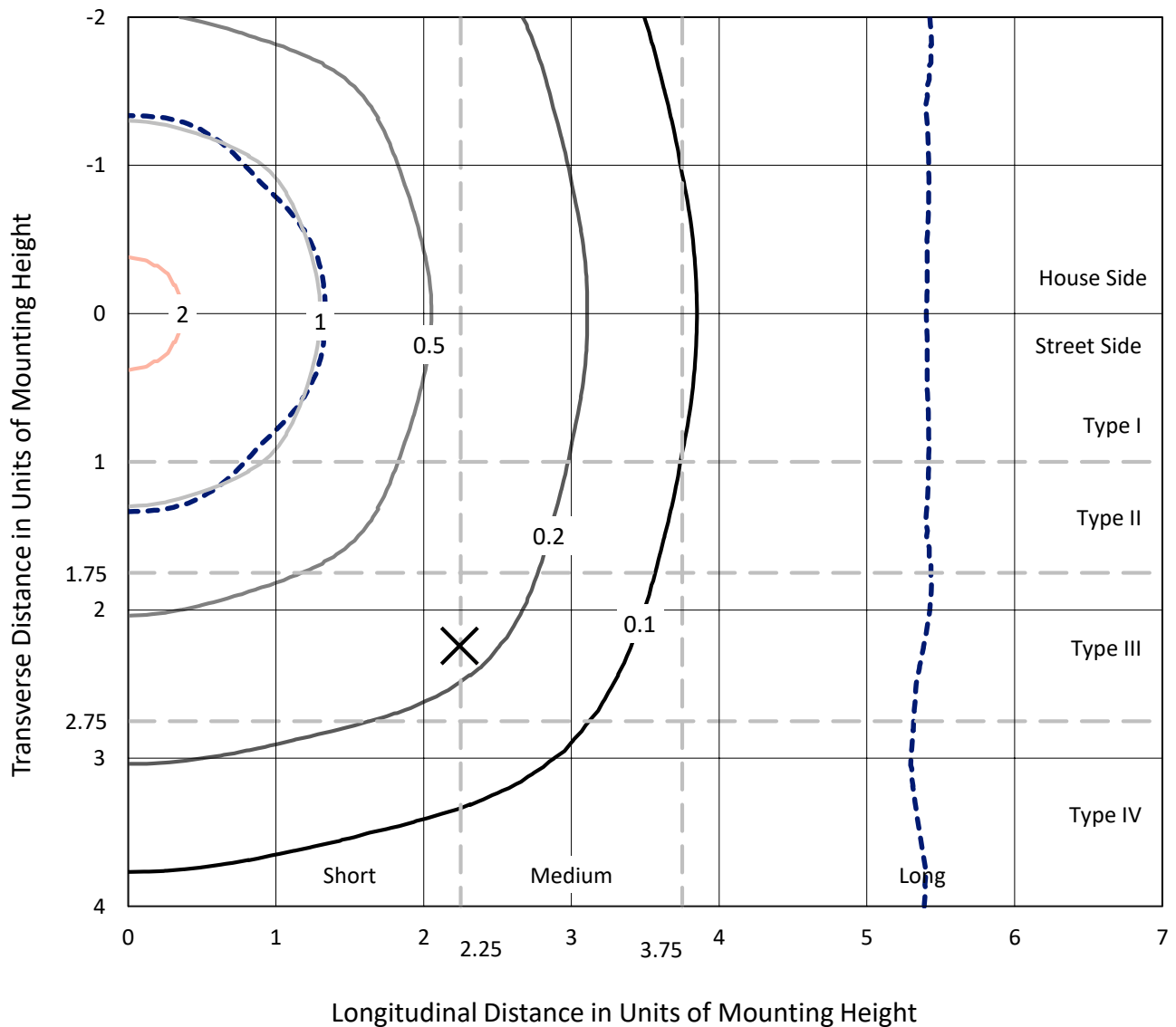
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

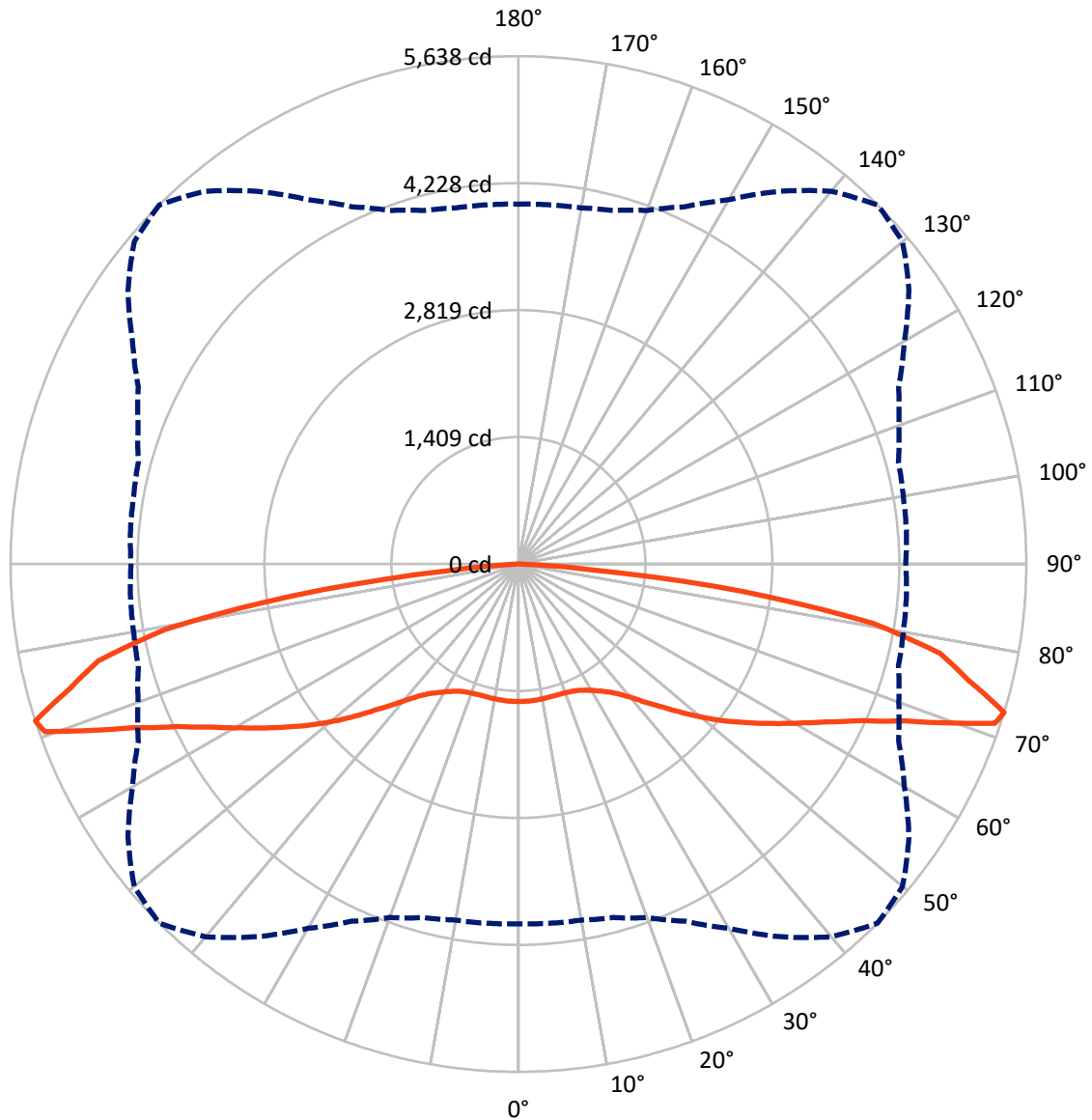
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8052.6	0.0	8052.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8052.6	0.0	8052.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16105.2	0.0	16105.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.4	0.9
10°-20°	430.2	2.7
20°-30°	720.4	4.5
30°-40°	1098.2	6.8
40°-50°	1753.6	10.9
50°-60°	2696.3	16.7
60°-70°	3925.8	24.4
70°-80°	4422.4	27.5
80°-90°	912.9	5.7
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°	16105.2	100.0
0°-180°	16105.2	100.0



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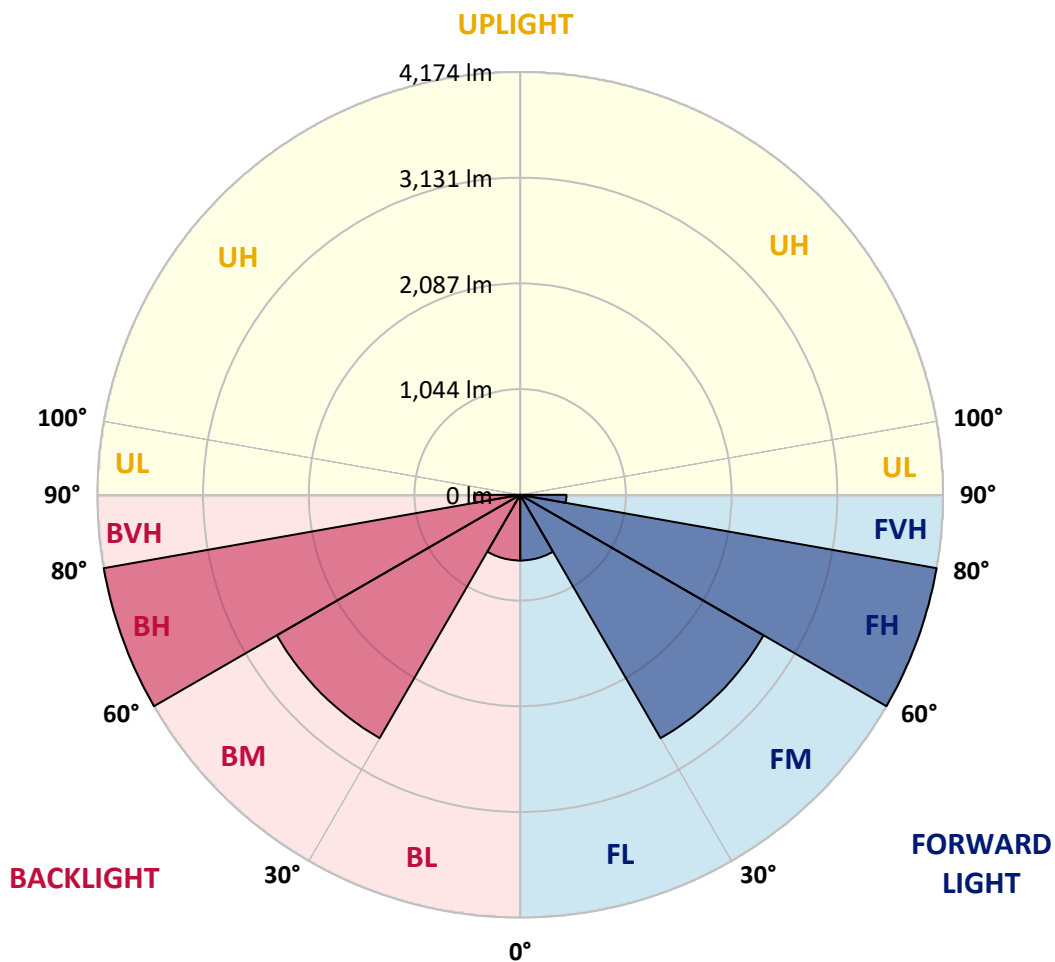
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	648.0	4.0			
FM	(30°-60°)	2774.0	17.2			
FH	(60°-80°)	4174.1	25.9			G2/5000
FVH	(80°-90°)	456.5	2.8			G3/500
BL	(0°-30°)	648.0	4.0	B2/1000		
BM	(30°-60°)	2774.0	17.2	B3/5000		
BH	(60°-80°)	4174.1	25.9	B4/5000		G2/5000
BVH	(80°-90°)	456.5	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9
2.5°	1528.5	1529.3	1528.9	1528.1	1528.5	1528.1	1527.2	1526.8	1523.8	1525.5	1528.0
5°	1528.5	1527.6	1527.2	1526.8	1526.8	1528.0	1526.8	1525.5	1525.1	1525.9	1524.7
7.5°	1527.6	1526.0	1525.1	1524.7	1525.1	1525.5	1524.2	1522.6	1523.8	1522.6	1520.9
10°	1525.1	1523.8	1524.2	1522.6	1523.0	1522.6	1520.9	1519.6	1520.4	1519.2	1517.1
12.5°	1525.9	1523.8	1523.4	1522.6	1522.2	1521.7	1519.6	1517.5	1517.9	1517.1	1515.0
15°	1525.9	1524.7	1524.2	1522.6	1522.2	1521.3	1518.8	1517.9	1517.9	1516.6	1514.1
17.5°	1526.8	1525.9	1525.9	1523.8	1523.0	1522.6	1519.6	1518.3	1519.6	1517.1	1515.4
20°	1529.3	1528.4	1528.9	1527.6	1525.9	1526.0	1523.8	1523.0	1523.4	1523.0	1518.3
22.5°	1534.4	1534.4	1535.2	1534.8	1534.4	1534.8	1533.1	1533.1	1533.5	1533.5	1529.7
25°	1548.7	1548.3	1549.2	1549.1	1549.5	1552.5	1551.2	1550.8	1553.0	1553.0	1549.2
27.5°	1575.8	1574.9	1575.7	1576.6	1578.7	1582.5	1581.7	1582.9	1586.3	1585.4	1582.0
30°	1607.0	1606.1	1608.2	1610.8	1612.4	1618.4	1615.8	1622.2	1625.1	1627.6	1625.1
32.5°	1652.5	1652.5	1656.4	1658.0	1661.8	1667.7	1668.6	1673.6	1677.4	1681.6	1678.7
35°	1713.3	1712.4	1715.4	1718.4	1723.0	1728.5	1730.6	1737.4	1743.2	1746.2	1740.7
37.5°	1806.2	1801.5	1807.0	1808.7	1812.5	1813.7	1819.7	1828.1	1834.4	1833.6	1829.8
40°	1931.9	1931.0	1929.0	1926.4	1932.3	1934.4	1934.4	1945.8	1956.0	1954.3	1953.8
42.5°	2078.8	2075.0	2072.4	2072.4	2075.8	2076.6	2089.7	2098.1	2105.4	2107.0	2105.4
45°	2236.6	2232.8	2233.6	2231.9	2233.2	2238.7	2246.3	2261.9	2275.4	2275.8	2268.6
47.5°	2406.2	2394.4	2403.7	2390.6	2398.6	2402.8	2421.8	2444.6	2468.3	2472.5	2466.1
50°	2578.4	2577.1	2576.3	2573.8	2577.6	2586.8	2610.0	2645.9	2668.7	2683.9	2673.8
52.5°	2766.6	2760.3	2757.3	2753.1	2756.9	2775.0	2807.6	2838.8	2879.7	2897.0	2883.1
55°	2949.8	2947.6	2936.7	2936.2	2944.2	2972.5	3008.0	3046.4	3090.7	3110.1	3105.0
57.5°	3138.0	3125.7	3122.4	3117.2	3133.3	3159.9	3203.4	3272.6	3318.6	3340.5	3327.8
60°	3322.0	3312.7	3305.5	3303.8	3314.8	3351.9	3414.4	3497.5	3554.5	3583.2	3562.9
62.5°	3519.4	3513.5	3505.1	3495.4	3518.6	3566.3	3643.9	3735.9	3819.9	3855.3	3824.6
65°	3765.0	3752.8	3743.5	3731.3	3750.3	3810.2	3907.7	4037.2	4149.9	4191.2	4169.3
67.5°	4024.2	4012.8	4013.6	4006.0	4039.8	4122.9	4248.7	4424.6	4575.7	4646.2	4604.8
70°	4250.4	4256.7	4258.4	4289.2	4347.4	4474.0	4683.3	4958.9	5188.0	5295.6	5251.3
71°	4183.6	4197.6	4219.1	4251.2	4351.6	4501.4	4787.1	5120.9	5394.4	5576.7	5515.5
72.5°	3994.6	4003.0	4014.0	4063.0	4176.5	4374.8	4669.0	5050.4	5402.0	5637.9	5567.0
75°	3721.2	3729.2	3733.0	3767.2	3870.5	4043.6	4312.8	4651.2	4961.4	5162.3	5142.4
77.5°	3308.4	3309.7	3339.2	3392.0	3508.0	3706.0	3989.6	4340.6	4632.2	4788.4	4689.2
80°	2375.9	2359.8	2390.2	2458.1	2601.6	2828.6	3119.0	3519.9	3843.6	3989.6	3835.9
82.5°	903.9	952.9	1030.1	1142.4	1190.9	1443.2	1714.2	1949.6	2222.2	2526.9	2450.5
85°	97.1	109.3	137.2	170.1	214.8	297.1	410.6	560.4	690.8	811.9	720.8
87.5°	36.3	37.1	41.4	47.7	48.6	50.6	54.0	62.9	58.6	50.7	40.9
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9	1525.9
2.5°	1525.9	1526.4	1525.9	1526.4	1526.4	1524.7	1525.1	1524.2
5°	1525.5	1524.2	1524.7	1525.1	1524.7	1525.5	1524.2	1525.1
7.5°	1523.4	1520.9	1521.7	1521.7	1520.8	1522.1	1521.3	1520.8
10°	1519.2	1515.8	1517.5	1516.6	1516.2	1516.6	1516.6	1516.6
12.5°	1515.4	1513.3	1513.7	1513.3	1512.9	1514.1	1513.7	1514.2
15°	1514.5	1511.1	1510.8	1509.9	1510.3	1511.1	1511.2	1512.4
17.5°	1513.7	1509.5	1509.1	1508.2	1508.6	1510.3	1510.8	1509.9
20°	1516.2	1512.8	1512.0	1511.1	1510.7	1512.8	1512.4	1512.4
22.5°	1528.0	1523.8	1523.4	1520.0	1518.8	1520.0	1519.2	1519.2
25°	1547.0	1542.0	1540.3	1535.6	1532.3	1532.3	1531.0	1530.2
27.5°	1581.2	1573.6	1572.0	1568.1	1563.5	1564.3	1561.8	1561.4
30°	1620.9	1614.1	1608.2	1602.8	1597.2	1595.1	1592.2	1591.8
32.5°	1672.8	1665.2	1658.0	1651.3	1643.7	1640.7	1635.6	1633.1
35°	1736.5	1726.4	1717.9	1713.3	1705.7	1701.9	1698.5	1702.3
37.5°	1825.6	1813.3	1809.1	1803.6	1798.6	1792.6	1793.9	1792.6
40°	1948.8	1937.8	1933.6	1923.9	1922.6	1915.8	1920.1	1915.8
42.5°	2101.1	2080.8	2077.9	2070.3	2067.8	2064.0	2065.7	2062.7
45°	2267.0	2248.8	2245.5	2233.2	2233.6	2224.8	2228.1	2228.1
47.5°	2453.5	2434.5	2418.9	2410.0	2406.6	2401.1	2404.1	2403.7
50°	2645.9	2620.2	2602.8	2585.6	2578.0	2580.1	2574.2	2584.3
52.5°	2852.7	2814.3	2789.8	2773.4	2759.0	2762.0	2762.8	2765.8
55°	3066.6	3017.7	2982.2	2960.7	2947.6	2948.5	2952.2	2955.6
57.5°	3281.9	3220.6	3172.6	3140.5	3132.0	3135.9	3135.8	3135.4
60°	3505.1	3431.7	3369.6	3333.3	3325.8	3323.6	3340.1	3334.6
62.5°	3744.8	3656.6	3592.4	3546.0	3535.0	3542.6	3557.4	3554.0
65°	4062.6	3940.6	3857.9	3811.9	3793.3	3800.9	3820.8	3819.9
67.5°	4472.3	4301.8	4192.5	4133.4	4119.9	4129.2	4140.2	4150.8
70°	5085.0	4841.5	4685.4	4557.5	4502.7	4492.2	4503.1	4503.6
71°	5300.7	5020.9	4772.4	4616.2	4526.3	4488.3	4491.3	4472.3
72.5°	5291.8	4947.1	4656.3	4493.0	4368.0	4337.7	4322.9	4300.1
75°	4935.2	4624.6	4372.3	4194.2	4073.9	4038.1	4011.9	4010.6
77.5°	4475.6	4246.6	3968.4	3779.8	3633.4	3573.9	3547.3	3546.4
80°	3597.9	3254.8	3051.4	2938.0	2761.1	2710.1	2656.0	2635.8
82.5°	2175.8	1700.2	1382.5	1228.4	1143.2	941.5	844.8	799.2
85°	506.8	360.0	248.1	162.9	117.3	93.2	71.7	63.3
87.5°	34.2	27.0	24.1	19.4	14.8	14.4	8.9	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)