

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: P148248

Luminaire Tested: **VXS-E06-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148248
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E06-LED-E1-5XQ-8030
Description: VISION SITE SMALL 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: 16105.3 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 (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



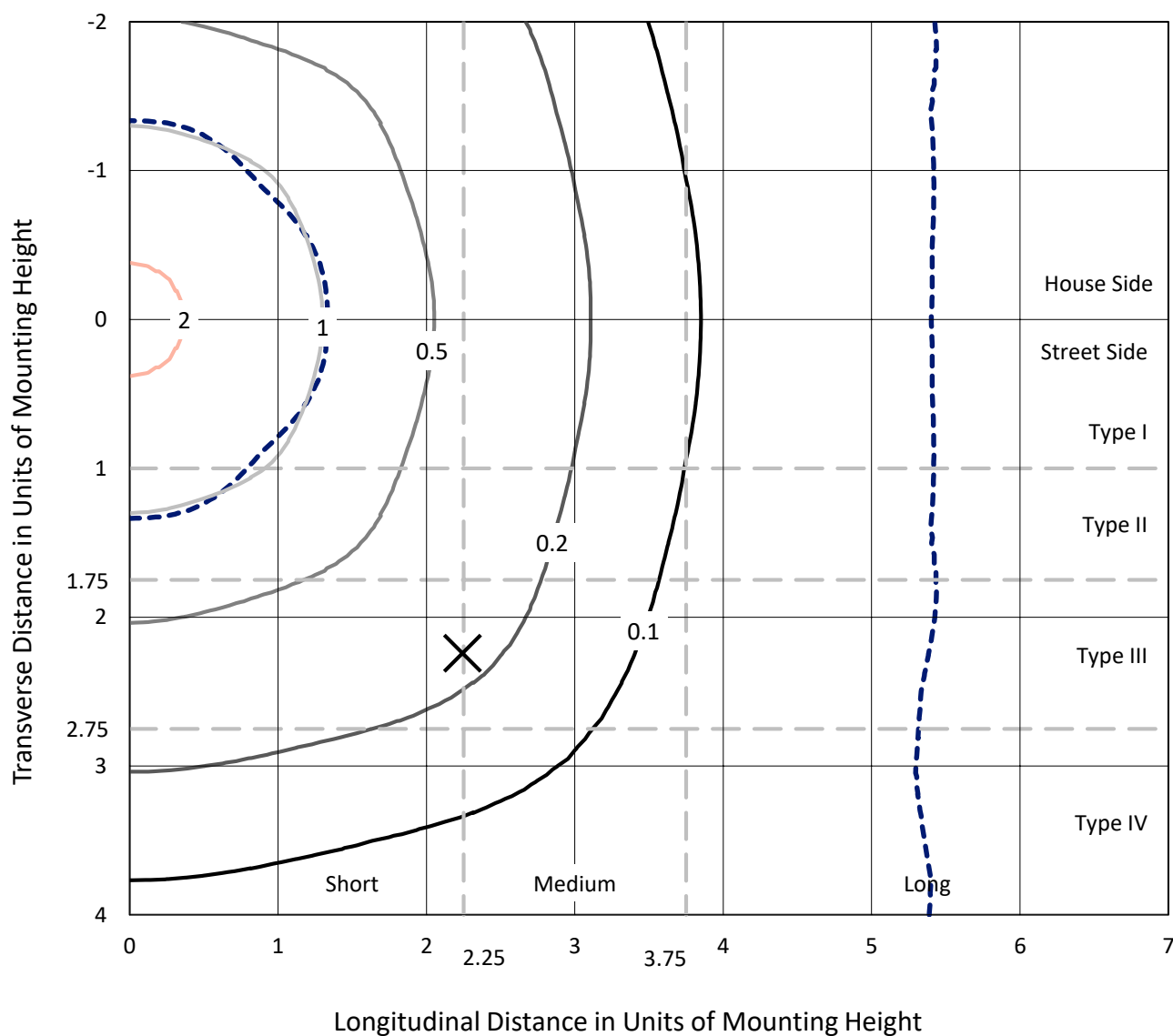
REPORT NUMBER: P148248

CATALOG NUMBER: VXS-E06-LED-E1-5XQ-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

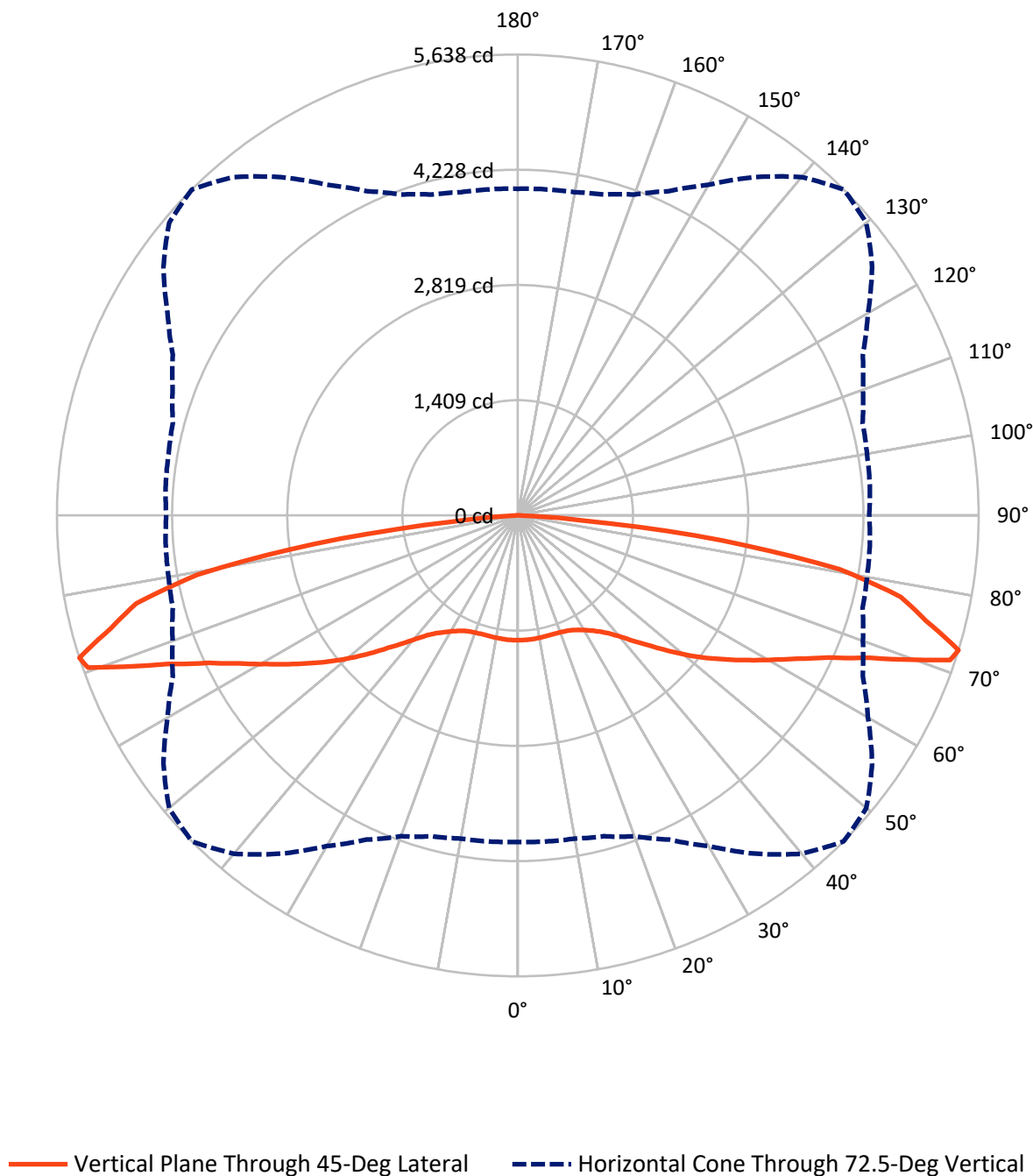


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P148248

CATALOG NUMBER: VXS-E06-LED-E1-5XQ-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P148248

CATALOG NUMBER: VXS-E06-LED-E1-5XQ-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8052.6	0.0	8052.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8052.6	0.0	8052.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16105.3	0.0	16105.3
	% Fixture	100.0	0.0	100.0

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°	16105.3	100.0
0°-180°	16105.3	100.0

Coefficient of Utilization



REPORT NUMBER: P148248

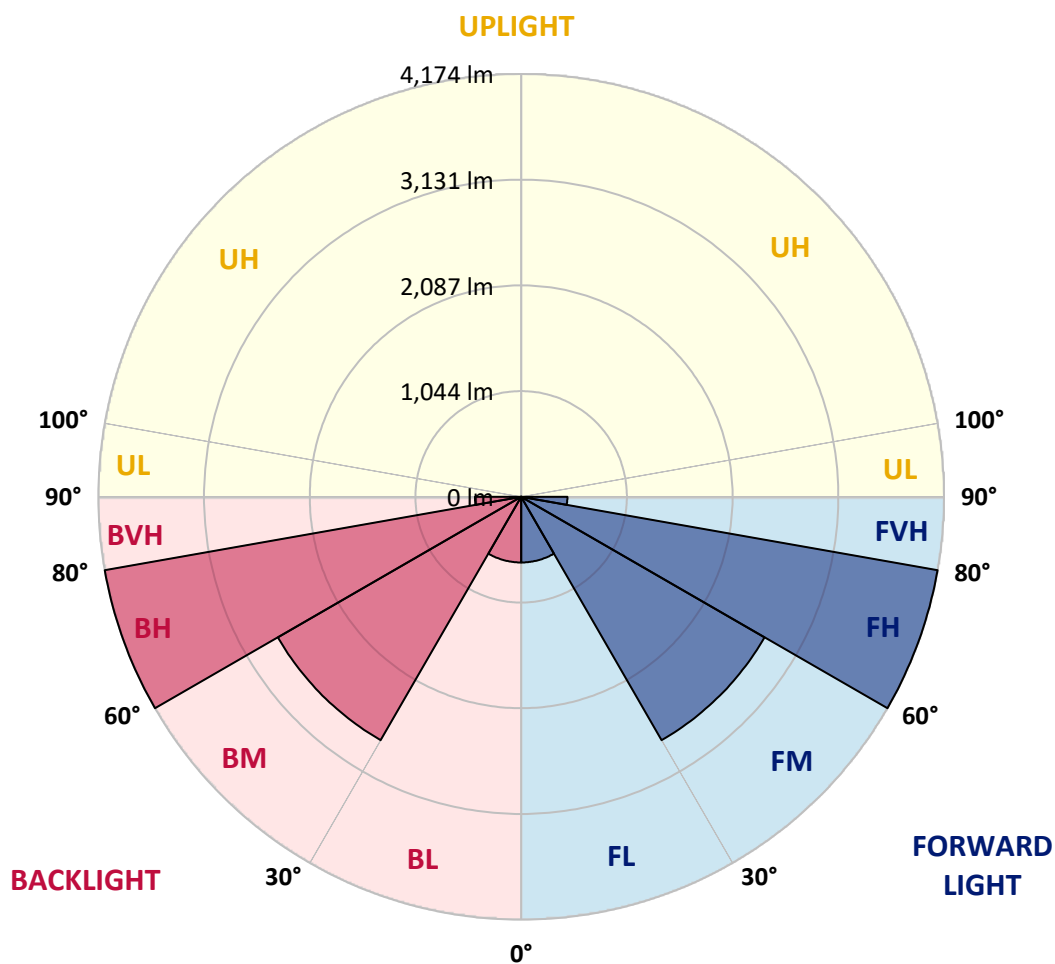
CATALOG NUMBER: VXS-E06-LED-E1-5XQ-8030

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



REPORT NUMBER: P148248

CATALOG NUMBER: VXS-E06-LED-E1-5XQ-8030

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°	1528.4	1529.3	1528.9	1528.0	1528.5	1528.1	1527.3	1526.8	1523.8	1525.5	1528.1
5°	1528.5	1527.7	1527.3	1526.8	1526.7	1528.1	1526.8	1525.5	1525.1	1525.9	1524.7
7.5°	1527.7	1525.9	1525.1	1524.7	1525.1	1525.5	1524.2	1522.6	1523.8	1522.6	1520.8
10°	1525.1	1523.8	1524.2	1522.6	1523.0	1522.6	1520.8	1519.6	1520.4	1519.2	1517.1
12.5°	1526.0	1523.8	1523.4	1522.6	1522.2	1521.7	1519.6	1517.5	1517.9	1517.0	1515.0
15°	1526.0	1524.7	1524.2	1522.6	1522.2	1521.2	1518.8	1517.9	1517.9	1516.7	1514.1
17.5°	1526.8	1526.0	1525.9	1523.8	1523.0	1522.6	1519.6	1518.3	1519.6	1517.1	1515.4
20°	1529.3	1528.5	1528.9	1527.7	1525.9	1525.9	1523.8	1523.0	1523.4	1523.0	1518.3
22.5°	1534.3	1534.4	1535.2	1534.8	1534.4	1534.8	1533.1	1533.2	1533.5	1533.6	1529.7
25°	1548.7	1548.3	1549.1	1549.2	1549.6	1552.5	1551.3	1550.9	1553.0	1553.0	1549.1
27.5°	1575.8	1574.9	1575.8	1576.6	1578.7	1582.5	1581.7	1582.9	1586.3	1585.5	1582.1
30°	1606.9	1606.1	1608.2	1610.8	1612.4	1618.3	1615.9	1622.2	1625.1	1627.7	1625.1
32.5°	1652.4	1652.5	1656.4	1658.0	1661.8	1667.8	1668.6	1673.6	1677.4	1681.7	1678.8
35°	1713.3	1712.4	1715.4	1718.3	1723.0	1728.5	1730.6	1737.4	1743.2	1746.2	1740.7
37.5°	1806.1	1801.5	1806.9	1808.7	1812.4	1813.7	1819.7	1828.1	1834.4	1833.6	1829.8
40°	1931.8	1931.1	1928.9	1926.4	1932.3	1934.4	1934.4	1945.8	1956.0	1954.3	1953.9
42.5°	2078.8	2074.9	2072.4	2072.4	2075.9	2076.6	2089.7	2098.1	2105.3	2107.0	2105.3
45°	2236.6	2232.7	2233.6	2231.9	2233.2	2238.7	2246.2	2262.0	2275.4	2275.8	2268.6
47.5°	2406.2	2394.4	2403.7	2390.6	2398.7	2402.9	2421.9	2444.7	2468.2	2472.4	2466.1
50°	2578.3	2577.1	2576.3	2573.8	2577.6	2586.8	2610.1	2645.9	2668.7	2683.9	2673.8
52.5°	2766.6	2760.2	2757.3	2753.2	2756.9	2775.0	2807.6	2838.8	2879.7	2897.0	2883.1
55°	2949.7	2947.7	2936.7	2936.2	2944.2	2972.5	3008.0	3046.4	3090.7	3110.2	3105.1
57.5°	3138.0	3125.8	3122.4	3117.3	3133.4	3159.9	3203.4	3272.5	3318.5	3340.5	3327.9
60°	3322.0	3312.6	3305.5	3303.8	3314.8	3351.9	3414.3	3497.5	3554.5	3583.2	3562.9
62.5°	3519.4	3513.6	3505.1	3495.3	3518.5	3566.3	3643.9	3736.0	3819.9	3855.3	3824.6
65°	3765.1	3752.8	3743.5	3731.3	3750.3	3810.2	3907.7	4037.2	4149.9	4191.3	4169.3
67.5°	4024.1	4012.7	4013.7	4006.0	4039.8	4122.9	4248.7	4424.7	4575.6	4646.1	4604.9
70°	4250.3	4256.7	4258.3	4289.1	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	4501.5	4787.2	5120.9	5394.4	5576.7	5515.5
72.5°	3994.6	4003.1	4014.0	4063.0	4176.5	4374.8	4669.0	5050.5	5402.0	5637.8	5566.9
75°	3721.1	3729.2	3733.0	3767.2	3870.6	4043.5	4312.7	4651.3	4961.5	5162.3	5142.4
77.5°	3308.4	3309.7	3339.3	3391.9	3508.0	3706.0	3989.5	4340.6	4632.2	4788.4	4689.2
80°	2375.8	2359.8	2390.2	2458.1	2601.7	2828.6	3119.0	3519.9	3843.5	3989.5	3836.0
82.5°	903.9	952.8	1030.1	1142.4	1190.9	1443.2	1714.1	1949.6	2222.2	2526.9	2450.6
85°	97.1	109.3	137.2	170.1	214.8	297.1	410.6	560.4	690.8	811.9	720.7
87.5°	36.3	37.1	41.3	47.7	48.5	50.6	54.0	62.9	58.7	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

REPORT NUMBER: P148248

CATALOG NUMBER: VXS-E06-LED-E1-5XQ-8030

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	1526.3	1525.9	1526.3	1526.3	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	1520.8	1521.7	1521.7	1520.8	1522.2	1521.2	1520.8
10°	1519.2	1515.9	1517.5	1516.7	1516.3	1516.7	1516.7	1516.7
12.5°	1515.4	1513.3	1513.8	1513.3	1512.8	1514.1	1513.7	1514.2
15°	1514.6	1511.2	1510.7	1509.9	1510.4	1511.2	1511.2	1512.4
17.5°	1513.7	1509.4	1509.0	1508.2	1508.7	1510.4	1510.8	1509.8
20°	1516.3	1512.8	1512.0	1511.2	1510.8	1512.8	1512.4	1512.4
22.5°	1528.1	1523.8	1523.4	1520.0	1518.8	1520.0	1519.2	1519.2
25°	1547.0	1542.0	1540.3	1535.6	1532.2	1532.2	1531.0	1530.2
27.5°	1581.2	1573.6	1571.9	1568.1	1563.5	1564.4	1561.8	1561.5
30°	1620.9	1614.1	1608.2	1602.7	1597.3	1595.1	1592.2	1591.7
32.5°	1672.7	1665.2	1658.0	1651.2	1643.7	1640.7	1635.6	1633.2
35°	1736.6	1726.4	1717.9	1713.3	1705.7	1702.0	1698.5	1702.4
37.5°	1825.6	1813.3	1809.1	1803.6	1798.5	1792.6	1793.9	1792.6
40°	1948.8	1937.8	1933.6	1923.8	1922.6	1915.9	1920.1	1915.9
42.5°	2101.1	2080.8	2077.9	2070.3	2067.8	2064.0	2065.7	2062.8
45°	2266.9	2248.8	2245.4	2233.2	2233.6	2224.8	2228.2	2228.1
47.5°	2453.5	2434.5	2418.9	2410.1	2406.6	2401.1	2404.1	2403.7
50°	2645.9	2620.1	2602.9	2585.6	2578.0	2580.1	2574.2	2584.4
52.5°	2852.6	2814.3	2789.8	2773.4	2759.0	2762.0	2762.8	2765.8
55°	3066.6	3017.7	2982.3	2960.7	2947.7	2948.5	2952.2	2955.6
57.5°	3281.9	3220.7	3172.5	3140.5	3132.0	3135.9	3135.9	3135.4
60°	3505.1	3431.7	3369.6	3333.4	3325.8	3323.6	3340.1	3334.6
62.5°	3744.8	3656.6	3592.4	3546.0	3535.1	3542.6	3557.4	3554.0
65°	4062.6	3940.5	3857.8	3811.9	3793.4	3800.9	3820.7	3819.9
67.5°	4472.3	4301.8	4192.5	4133.5	4120.0	4129.2	4140.2	4150.7
70°	5085.0	4841.6	4685.4	4557.5	4502.7	4492.1	4503.1	4503.6
71°	5300.7	5020.9	4772.3	4616.2	4526.3	4488.3	4491.3	4472.3
72.5°	5291.8	4947.0	4656.3	4493.1	4368.1	4337.7	4322.9	4300.1
75°	4935.2	4624.7	4372.3	4194.2	4074.0	4038.1	4011.9	4010.7
77.5°	4475.6	4246.5	3968.5	3779.8	3633.4	3573.9	3547.3	3546.4
80°	3597.9	3254.8	3051.5	2937.9	2761.1	2710.1	2656.1	2635.9
82.5°	2175.8	1700.2	1382.5	1228.4	1143.2	941.5	844.9	799.3
85°	506.8	360.0	248.2	162.9	117.3	93.3	71.7	63.2
87.5°	34.2	27.0	24.0	19.5	14.7	14.3	8.9	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)