

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: P148254

Luminaire Tested: **VXS-F06-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148254
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-F06-LED-E1-5XQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14387.9 lumens
Efficiency: N/A
Efficacy: 91.9 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): 156.5
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



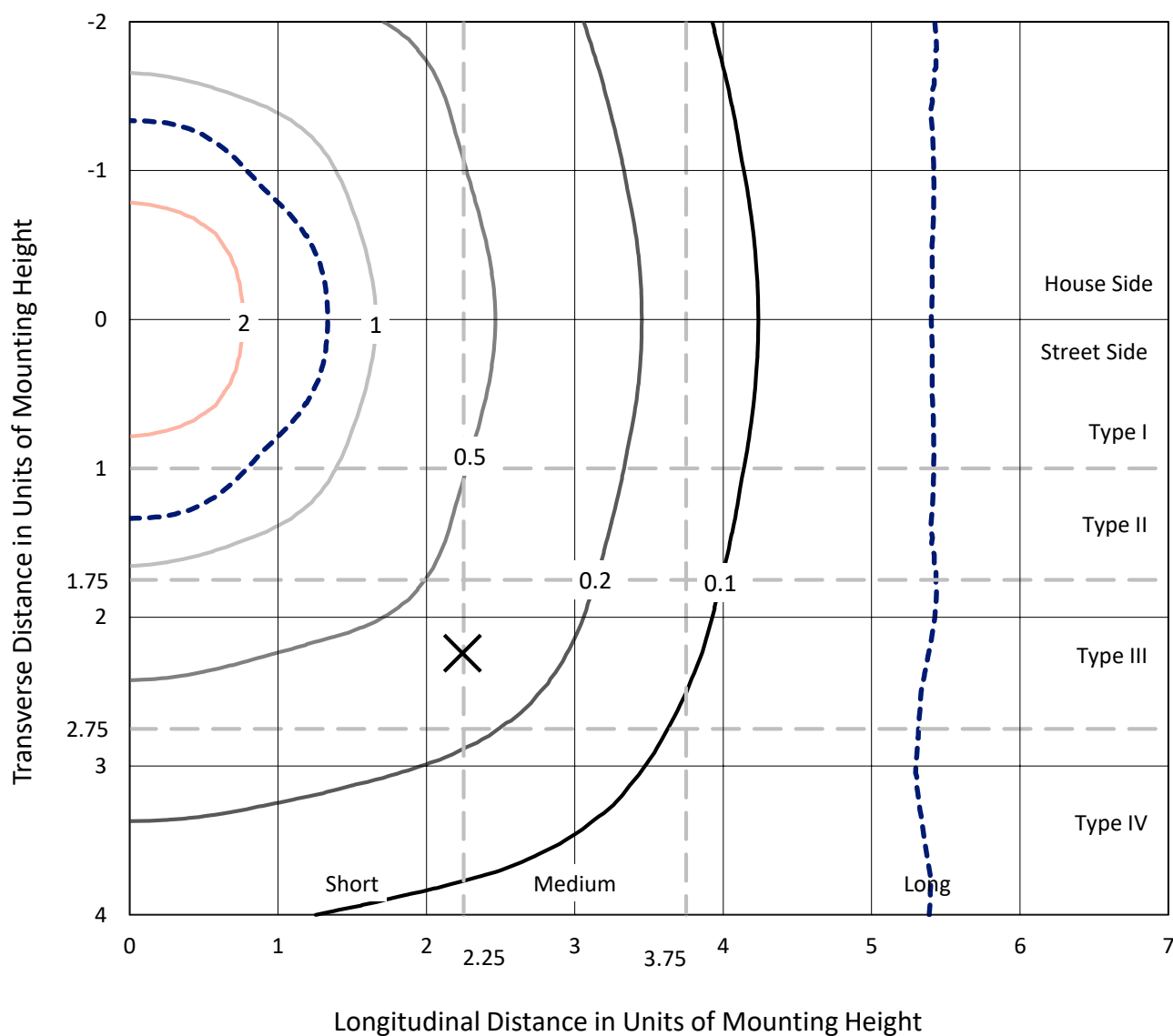
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

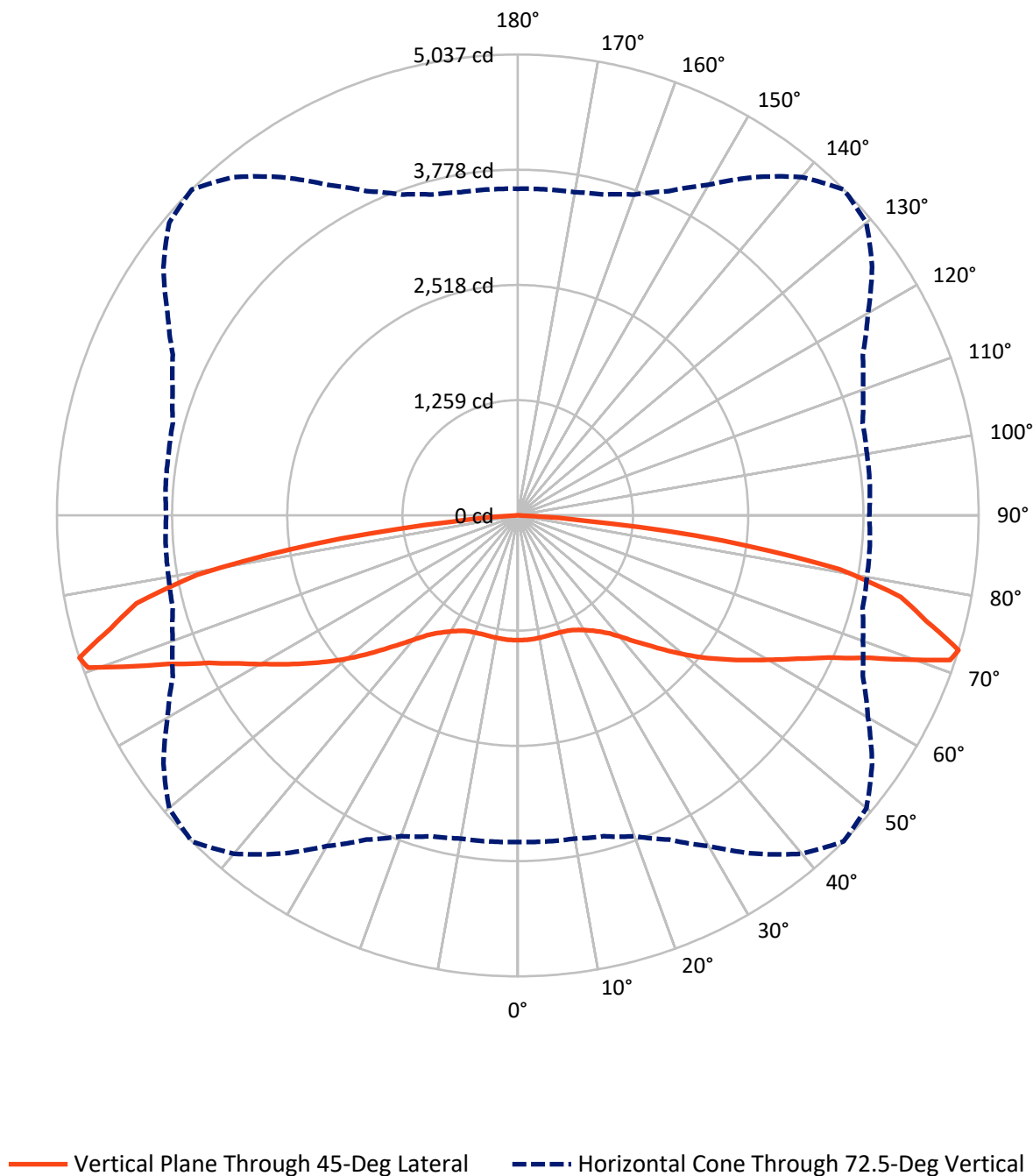


Based on 20 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7193.9	0.0	7193.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7193.9	0.0	7193.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14387.9	0.0	14387.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	0.9
10°-20°	384.3	2.7
20°-30°	643.6	4.5
30°-40°	981.1	6.8
40°-50°	1566.6	10.9
50°-60°	2408.8	16.7
60°-70°	3507.2	24.4
70°-80°	3950.8	27.5
80°-90°	815.6	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°	14387.9	100.0
0°-180°	14387.9	100.0

Coefficient of Utilization



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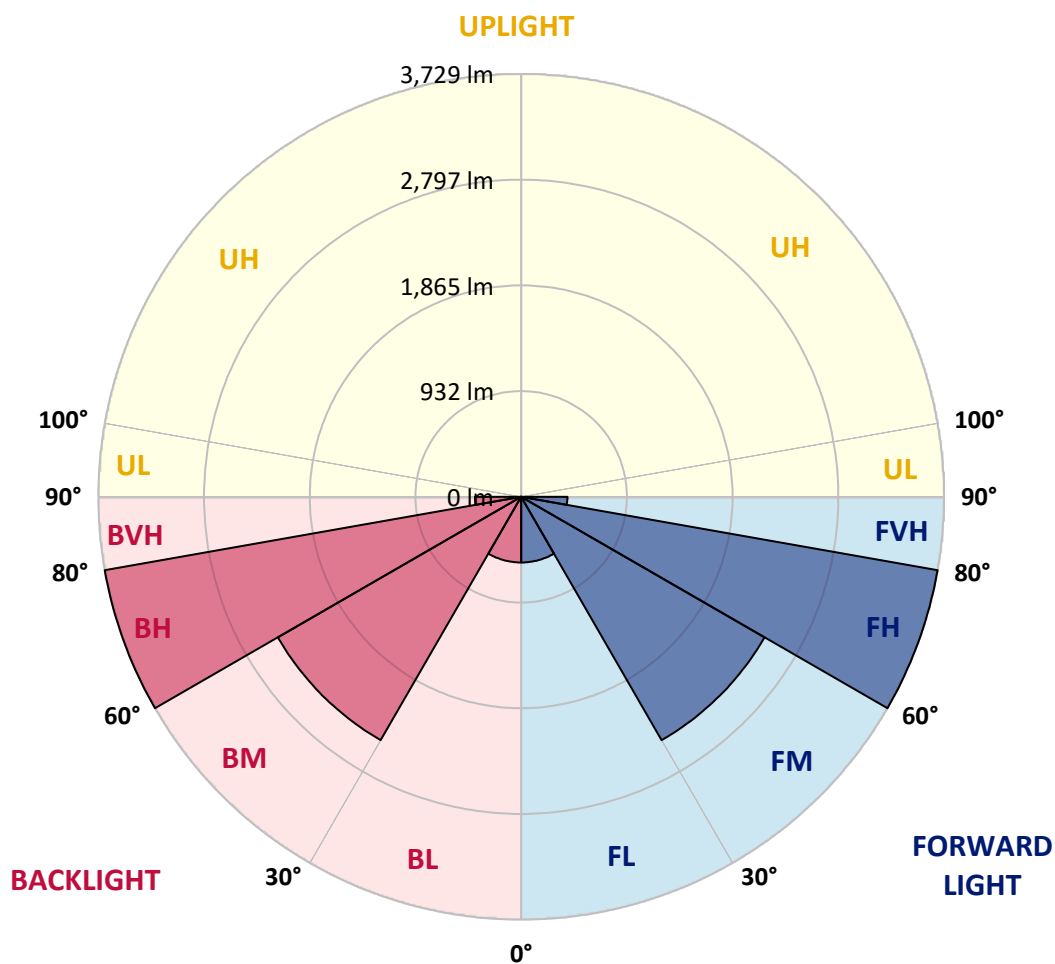
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.9	4.0			
FM	(30°-60°)	2478.2	17.2			
FH	(60°-80°)	3729.0	25.9			G2/5000
FVH	(80°-90°)	407.8	2.8			G3/500
BL	(0°-30°)	578.9	4.0	B2/1000		
BM	(30°-60°)	2478.2	17.2	B2/2500		
BH	(60°-80°)	3729.0	25.9	B4/5000		G2/5000
BVH	(80°-90°)	407.8	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°	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2
2.5°	1365.5	1366.2	1365.8	1365.1	1365.5	1365.1	1364.4	1363.9	1361.3	1362.8	1365.1
5°	1365.4	1364.8	1364.4	1363.9	1363.9	1365.1	1363.9	1362.9	1362.5	1363.2	1362.1
7.5°	1364.7	1363.2	1362.5	1362.1	1362.5	1362.9	1361.7	1360.2	1361.3	1360.2	1358.7
10°	1362.5	1361.3	1361.8	1360.2	1360.6	1360.2	1358.8	1357.5	1358.3	1357.2	1355.2
12.5°	1363.2	1361.3	1361.0	1360.2	1359.8	1359.4	1357.5	1355.6	1356.1	1355.2	1353.5
15°	1363.2	1362.1	1361.7	1360.2	1359.8	1359.1	1356.8	1356.1	1356.1	1354.9	1352.6
17.5°	1363.9	1363.2	1363.2	1361.3	1360.6	1360.2	1357.5	1356.5	1357.5	1355.2	1353.8
20°	1366.2	1365.5	1365.8	1364.7	1363.2	1363.2	1361.3	1360.6	1360.9	1360.6	1356.5
22.5°	1370.8	1370.8	1371.5	1371.2	1370.8	1371.2	1369.6	1369.6	1370.1	1370.1	1366.6
25°	1383.6	1383.2	1383.9	1383.9	1384.4	1386.9	1385.8	1385.4	1387.4	1387.4	1383.9
27.5°	1407.7	1406.9	1407.7	1408.5	1410.4	1413.8	1413.0	1414.1	1417.1	1416.4	1413.4
30°	1435.6	1434.8	1436.7	1439.0	1440.5	1445.8	1443.5	1449.1	1451.8	1454.1	1451.8
32.5°	1476.3	1476.3	1479.7	1481.2	1484.6	1489.9	1490.7	1495.1	1498.5	1502.4	1499.7
35°	1530.6	1529.8	1532.5	1535.1	1539.3	1544.1	1546.0	1552.1	1557.3	1560.0	1555.1
37.5°	1613.5	1609.4	1614.3	1615.9	1619.3	1620.3	1625.6	1633.2	1638.9	1638.0	1634.6
40°	1725.9	1725.1	1723.2	1721.0	1726.2	1728.1	1728.2	1738.3	1747.4	1745.9	1745.5
42.5°	1857.1	1853.7	1851.4	1851.4	1854.5	1855.2	1866.8	1874.4	1880.8	1882.4	1880.8
45°	1998.1	1994.7	1995.4	1994.0	1995.1	2000.0	2006.7	2020.7	2032.7	2033.2	2026.7
47.5°	2149.6	2139.1	2147.4	2135.8	2142.8	2146.6	2163.6	2183.9	2205.1	2208.8	2203.2
50°	2303.4	2302.3	2301.6	2299.3	2302.7	2311.0	2331.7	2363.7	2384.1	2397.7	2388.7
52.5°	2471.6	2465.9	2463.3	2459.6	2462.9	2479.2	2508.2	2536.1	2572.6	2588.1	2575.6
55°	2635.2	2633.4	2623.5	2623.2	2630.3	2655.5	2687.3	2721.6	2761.1	2778.4	2774.0
57.5°	2803.3	2792.4	2789.4	2784.9	2799.2	2823.0	2861.8	2923.6	2964.7	2984.2	2973.0
60°	2967.7	2959.5	2953.0	2951.5	2961.3	2994.5	3050.3	3124.6	3175.4	3201.0	3183.0
62.5°	3144.1	3138.9	3131.4	3122.7	3143.4	3186.0	3255.3	3337.6	3412.5	3444.2	3416.7
65°	3363.6	3352.6	3344.4	3333.4	3350.4	3403.9	3491.0	3606.7	3707.4	3744.4	3724.8
67.5°	3595.0	3584.9	3585.6	3578.9	3609.0	3683.3	3795.6	3952.8	4087.8	4150.8	4113.8
70°	3797.1	3802.7	3804.4	3831.8	3883.8	3996.9	4183.9	4430.1	4634.8	4730.9	4691.4
71°	3737.5	3749.9	3769.2	3797.8	3887.6	4021.5	4276.7	4574.8	4819.2	4982.0	4927.4
72.5°	3568.7	3576.2	3586.0	3629.7	3731.2	3908.3	4171.1	4511.9	4825.9	5036.7	4973.4
75°	3324.4	3331.5	3334.9	3365.4	3457.8	3612.4	3852.8	4155.2	4432.3	4611.8	4594.1
77.5°	2955.6	2956.8	2983.2	3030.3	3134.0	3310.8	3564.1	3877.7	4138.3	4277.8	4189.2
80°	2122.5	2108.2	2135.3	2196.0	2324.1	2527.0	2786.3	3144.6	3433.7	3564.1	3426.9
82.5°	807.5	851.2	920.2	1020.5	1063.8	1289.3	1531.4	1741.8	1985.3	2257.4	2189.2
85°	86.7	97.6	122.5	151.9	191.9	265.4	366.8	500.6	617.2	725.4	643.9
87.5°	32.4	33.2	36.9	42.6	43.3	45.2	48.3	56.2	52.4	45.2	36.6
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°	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2	1363.2
2.5°	1363.2	1363.6	1363.2	1363.6	1363.6	1362.1	1362.5	1361.7
5°	1362.9	1361.7	1362.1	1362.5	1362.1	1362.8	1361.8	1362.5
7.5°	1360.9	1358.8	1359.5	1359.5	1358.8	1359.8	1359.1	1358.8
10°	1357.2	1354.2	1355.6	1354.9	1354.6	1354.9	1354.9	1354.9
12.5°	1353.8	1351.9	1352.3	1351.9	1351.5	1352.6	1352.3	1352.6
15°	1353.1	1350.1	1349.6	1348.9	1349.3	1350.1	1350.1	1351.1
17.5°	1352.3	1348.5	1348.1	1347.4	1347.8	1349.3	1349.6	1348.9
20°	1354.5	1351.5	1350.8	1350.1	1349.6	1351.5	1351.1	1351.1
22.5°	1365.1	1361.3	1360.9	1357.9	1356.8	1357.9	1357.2	1357.2
25°	1382.1	1377.5	1376.1	1371.9	1368.9	1368.9	1367.8	1366.9
27.5°	1412.5	1405.8	1404.4	1400.8	1396.8	1397.5	1395.2	1394.8
30°	1448.1	1442.1	1436.7	1431.8	1426.9	1425.1	1422.4	1422.0
32.5°	1494.4	1487.7	1481.2	1475.2	1468.4	1465.7	1461.2	1459.0
35°	1551.3	1542.3	1534.7	1530.6	1523.8	1520.4	1517.4	1520.8
37.5°	1630.9	1620.0	1616.2	1611.3	1606.8	1601.5	1602.6	1601.5
40°	1740.9	1731.2	1727.5	1718.8	1717.5	1711.5	1715.3	1711.5
42.5°	1877.1	1859.0	1856.4	1849.5	1847.3	1843.9	1845.4	1842.7
45°	2025.2	2009.0	2006.0	1995.0	1995.4	1987.6	1990.6	1990.5
47.5°	2191.8	2174.9	2160.9	2153.1	2150.1	2145.1	2147.8	2147.4
50°	2363.7	2340.7	2325.3	2309.8	2303.0	2305.0	2299.7	2308.8
52.5°	2548.5	2514.2	2492.3	2477.6	2464.8	2467.5	2468.2	2470.9
55°	2739.7	2696.0	2664.2	2645.0	2633.3	2634.1	2637.4	2640.4
57.5°	2931.9	2877.3	2834.3	2805.6	2798.0	2801.5	2801.5	2801.0
60°	3131.4	3065.7	3010.4	2977.9	2971.1	2969.2	2983.9	2979.1
62.5°	3345.5	3266.7	3209.3	3167.9	3158.1	3164.9	3178.1	3175.0
65°	3629.3	3520.4	3446.5	3405.4	3388.8	3395.6	3413.4	3412.5
67.5°	3995.4	3843.1	3745.5	3692.6	3680.6	3688.9	3698.7	3708.2
70°	4542.8	4325.3	4185.8	4071.6	4022.6	4013.1	4022.9	4023.3
71°	4735.4	4485.5	4263.4	4123.9	4043.6	4009.7	4012.4	3995.4
72.5°	4727.6	4419.5	4159.8	4013.9	3902.3	3875.1	3862.0	3841.7
75°	4409.0	4131.5	3906.1	3746.9	3639.6	3607.5	3584.1	3583.0
77.5°	3998.4	3793.7	3545.3	3376.8	3245.9	3192.7	3169.0	3168.3
80°	3214.3	2907.8	2726.0	2624.7	2466.7	2421.0	2372.8	2354.7
82.5°	1943.8	1519.0	1235.0	1097.4	1021.3	841.1	754.7	714.0
85°	452.7	321.6	221.7	145.5	104.9	83.3	64.0	56.6
87.5°	30.6	24.1	21.5	17.3	13.3	12.8	7.9	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)