

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: P148624

Luminaire Tested: **AVS-F03-LED-E-U-5XQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148624
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: AVS-F03-LED-E-U-5XQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7193.9 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 78.3
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: 28.75 FT

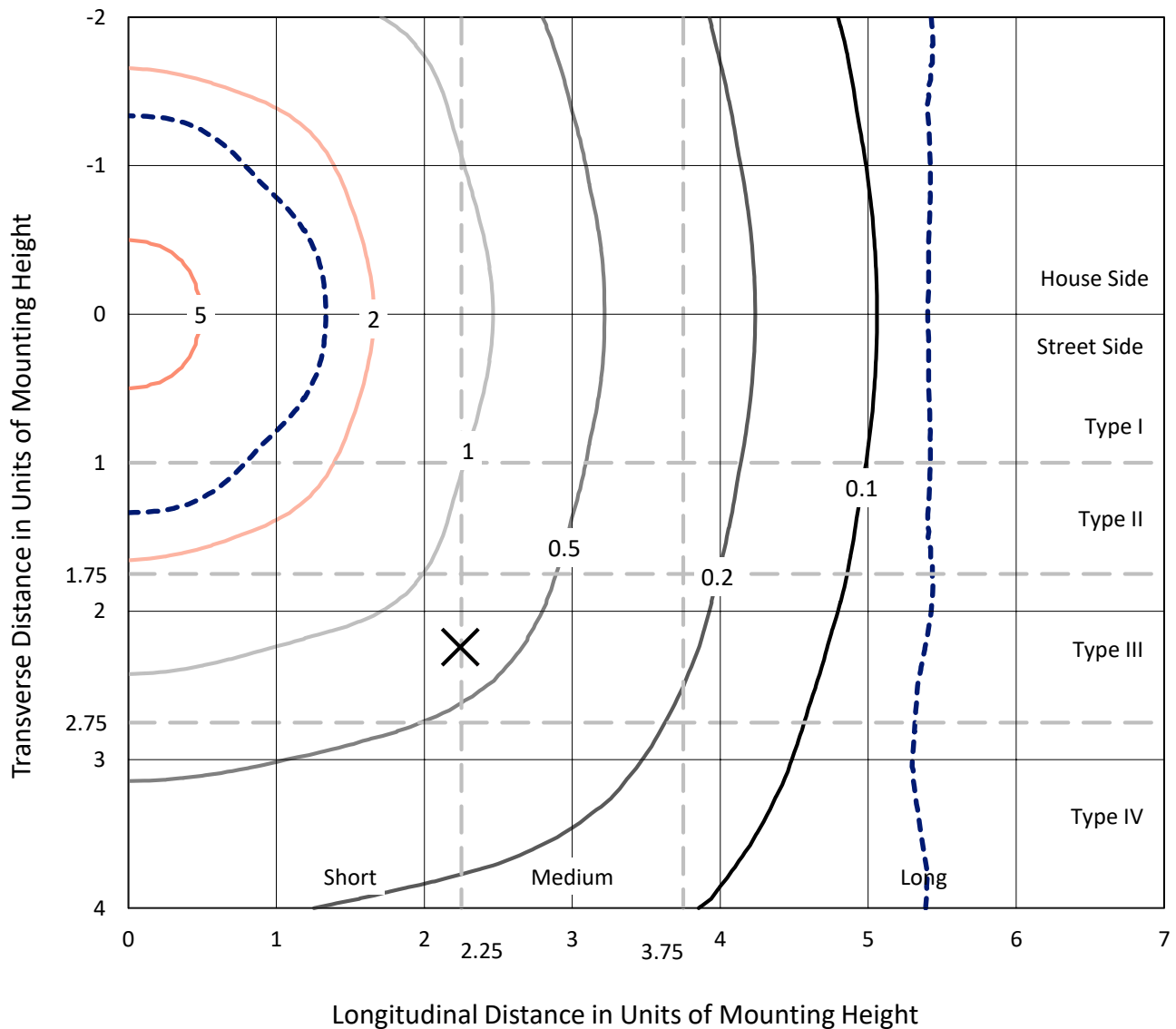


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

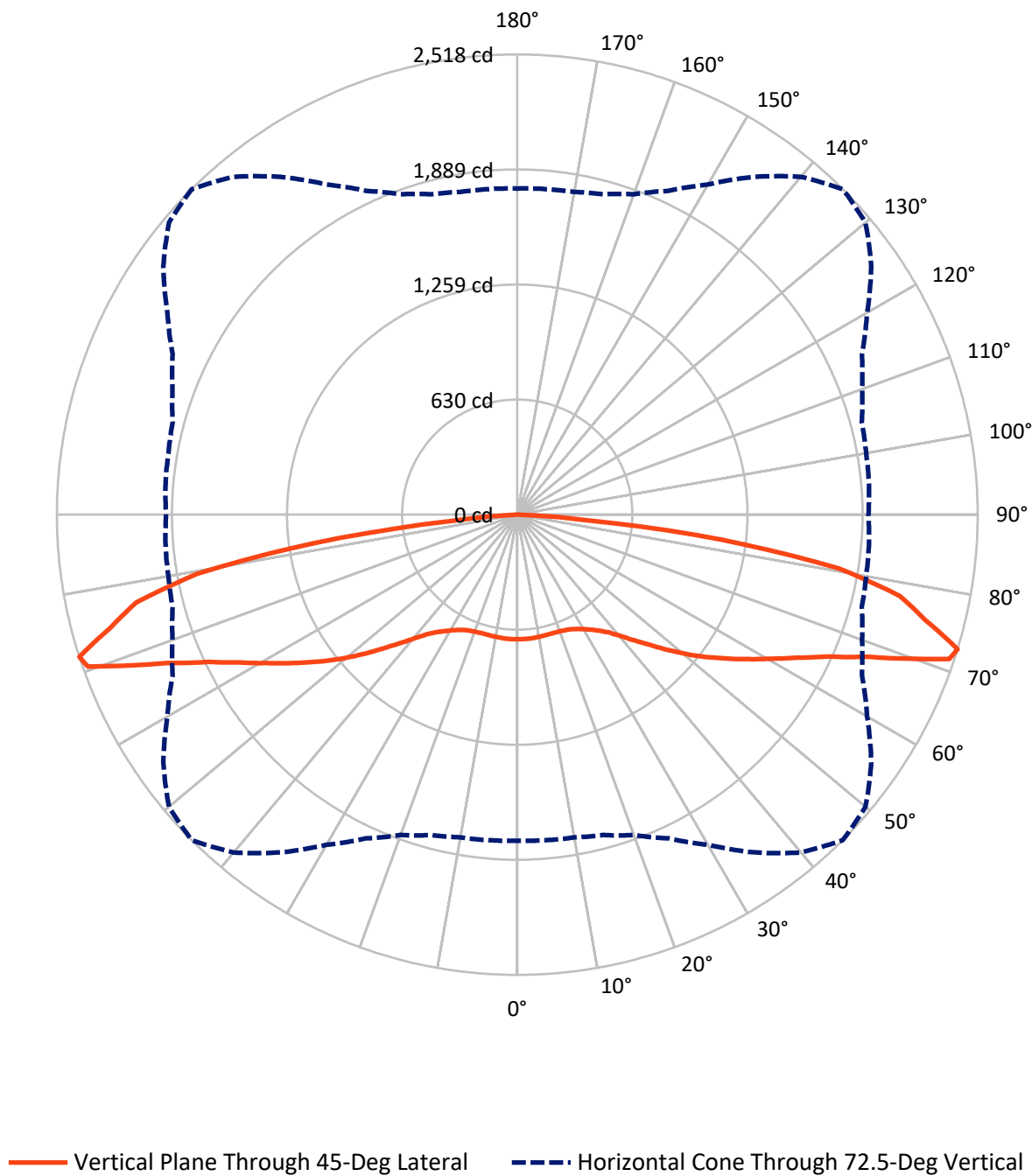


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3597.0	0.0	3597.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3597.0	0.0	3597.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7193.9	0.0	7193.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	0.9
10°-20°	192.2	2.7
20°-30°	321.8	4.5
30°-40°	490.6	6.8
40°-50°	783.3	10.9
50°-60°	1204.4	16.7
60°-70°	1753.6	24.4
70°-80°	1975.4	27.5
80°-90°	407.8	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°	7193.9	100.0
0°-180°	7193.9	100.0

Coefficient of Utilization



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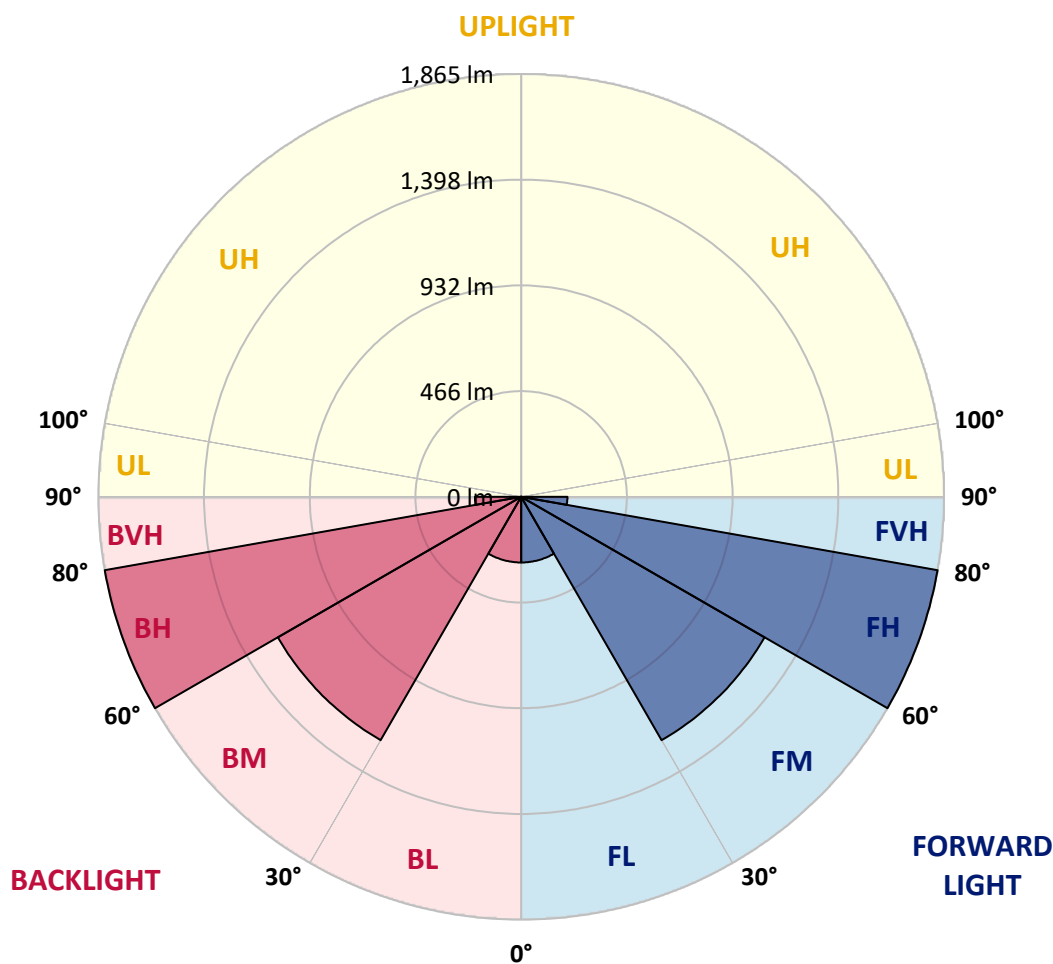
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.5	4.0			
FM	(30°-60°)	1239.1	17.2			
FH	(60°-80°)	1864.5	25.9			G2/5000
FVH	(80°-90°)	203.9	2.8			G2/225
BL	(0°-30°)	289.5	4.0	B1/500		
BM	(30°-60°)	1239.1	17.2	B2/2500		
BH	(60°-80°)	1864.5	25.9	B3/2500		G2/5000
BVH	(80°-90°)	203.9	2.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7
2.5°	682.7	683.1	682.9	682.6	682.7	682.5	682.2	682.0	680.6	681.5	682.6
5°	682.7	682.3	682.2	682.0	682.0	682.6	682.0	681.5	681.2	681.7	681.0
7.5°	682.4	681.7	681.2	681.0	681.2	681.5	680.8	680.1	680.6	680.1	679.4
10°	681.1	680.6	680.8	680.1	680.3	680.1	679.4	678.8	679.2	678.5	677.7
12.5°	681.7	680.6	680.4	680.1	679.9	679.8	678.8	677.8	678.0	677.7	676.7
15°	681.7	681.0	680.8	680.1	679.9	679.6	678.4	678.0	678.0	677.5	676.4
17.5°	682.1	681.7	681.7	680.6	680.2	680.1	678.8	678.2	678.8	677.6	676.9
20°	683.1	682.7	682.9	682.4	681.7	681.7	680.6	680.3	680.4	680.3	678.2
22.5°	685.4	685.4	685.8	685.6	685.4	685.6	684.8	684.8	685.0	685.0	683.3
25°	691.8	691.6	692.0	692.0	692.1	693.5	693.0	692.7	693.7	693.7	692.0
27.5°	703.8	703.5	703.8	704.2	705.2	706.8	706.5	707.0	708.6	708.2	706.7
30°	717.8	717.4	718.3	719.5	720.3	722.9	721.8	724.6	725.9	727.0	725.9
32.5°	738.1	738.1	739.9	740.6	742.3	745.0	745.3	747.6	749.3	751.1	749.8
35°	765.4	765.0	766.2	767.6	769.6	772.1	773.1	776.1	778.7	780.0	777.6
37.5°	806.8	804.7	807.2	807.9	809.5	810.2	812.8	816.6	819.4	819.0	817.3
40°	863.0	862.6	861.7	860.5	863.2	864.0	864.0	869.1	873.7	873.0	872.7
42.5°	928.5	926.8	925.7	925.7	927.3	927.7	933.5	937.2	940.4	941.1	940.4
45°	999.0	997.3	997.7	997.0	997.5	1000.0	1003.3	1010.4	1016.4	1016.6	1013.4
47.5°	1074.8	1069.5	1073.7	1067.9	1071.4	1073.4	1081.9	1091.9	1102.5	1104.5	1101.6
50°	1151.7	1151.2	1150.8	1149.6	1151.3	1155.5	1165.9	1181.9	1192.0	1198.9	1194.3
52.5°	1235.9	1233.0	1231.6	1229.7	1231.4	1239.6	1254.1	1268.0	1286.3	1294.1	1287.9
55°	1317.6	1316.7	1311.8	1311.6	1315.1	1327.8	1343.6	1360.8	1380.5	1389.2	1386.9
57.5°	1401.7	1396.2	1394.7	1392.4	1399.6	1411.5	1430.9	1461.8	1482.4	1492.1	1486.5
60°	1483.9	1479.7	1476.5	1475.8	1480.6	1497.2	1525.2	1562.3	1587.8	1600.5	1591.5
62.5°	1572.1	1569.4	1565.6	1561.3	1571.7	1593.0	1627.7	1668.8	1706.3	1722.1	1708.4
65°	1681.8	1676.3	1672.1	1666.7	1675.2	1702.0	1745.5	1803.3	1853.7	1872.1	1862.4
67.5°	1797.5	1792.4	1792.8	1789.4	1804.5	1841.7	1897.8	1976.4	2043.8	2075.3	2056.9
70°	1898.5	1901.3	1902.2	1915.9	1942.0	1998.4	2091.9	2215.0	2317.4	2365.5	2345.7
71°	1868.8	1875.0	1884.7	1899.0	1943.8	2010.7	2138.2	2287.5	2409.5	2491.0	2463.6
72.5°	1784.2	1788.1	1793.0	1814.9	1865.6	1954.2	2085.6	2256.0	2413.0	2518.3	2486.6
75°	1662.2	1665.8	1667.5	1682.7	1728.9	1806.2	1926.4	2077.6	2216.2	2305.9	2297.1
77.5°	1477.8	1478.3	1491.6	1515.1	1567.0	1655.4	1782.1	1938.9	2069.1	2138.9	2094.6
80°	1061.2	1054.1	1067.7	1098.0	1162.1	1263.5	1393.2	1572.2	1716.9	1782.1	1713.5
82.5°	403.7	425.6	460.1	510.3	531.9	644.7	765.7	870.9	992.6	1128.7	1094.6
85°	43.3	48.8	61.2	76.0	96.0	132.6	183.4	250.4	308.6	362.7	322.0
87.5°	16.2	16.6	18.4	21.3	21.7	22.6	24.1	28.1	26.2	22.6	18.2
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°	681.7	681.7	681.7	681.7	681.7	681.7	681.7	681.7
2.5°	681.7	681.9	681.7	681.9	681.9	681.0	681.2	680.8
5°	681.5	680.9	681.0	681.2	681.0	681.5	680.8	681.2
7.5°	680.4	679.4	679.7	679.7	679.4	679.9	679.6	679.4
10°	678.7	677.1	677.9	677.5	677.3	677.5	677.5	677.5
12.5°	676.9	676.0	676.2	676.0	675.8	676.4	676.2	676.3
15°	676.5	675.0	674.8	674.4	674.6	675.0	675.0	675.5
17.5°	676.2	674.2	674.1	673.7	673.9	674.6	674.8	674.4
20°	677.3	675.8	675.4	675.0	674.8	675.8	675.5	675.5
22.5°	682.6	680.6	680.4	679.0	678.3	679.0	678.5	678.5
25°	691.0	688.8	688.0	685.9	684.5	684.5	683.9	683.5
27.5°	706.3	702.9	702.2	700.5	698.3	698.8	697.6	697.4
30°	724.0	721.0	718.3	715.9	713.5	712.5	711.2	711.1
32.5°	747.2	743.8	740.6	737.6	734.2	732.8	730.7	729.5
35°	775.6	771.2	767.4	765.3	762.0	760.2	758.7	760.4
37.5°	815.4	809.9	808.1	805.6	803.3	800.7	801.2	800.7
40°	870.5	865.6	863.7	859.4	858.9	855.8	857.7	855.8
42.5°	938.5	929.5	928.2	924.8	923.6	922.0	922.7	921.5
45°	1012.6	1004.6	1003.0	997.5	997.7	993.8	995.2	995.2
47.5°	1096.0	1087.5	1080.5	1076.5	1075.0	1072.5	1073.9	1073.7
50°	1181.9	1170.4	1162.7	1154.9	1151.5	1152.5	1149.8	1154.3
52.5°	1274.2	1257.1	1246.2	1238.8	1232.4	1233.8	1234.1	1235.4
55°	1369.8	1348.0	1332.1	1322.5	1316.7	1317.1	1318.8	1320.2
57.5°	1466.0	1438.7	1417.1	1402.8	1399.1	1400.7	1400.7	1400.6
60°	1565.7	1532.8	1505.2	1488.9	1485.6	1484.6	1492.0	1489.5
62.5°	1672.7	1633.4	1604.8	1583.9	1579.1	1582.4	1589.0	1587.6
65°	1814.7	1760.2	1723.2	1702.7	1694.4	1697.8	1706.6	1706.3
67.5°	1997.7	1921.6	1872.7	1846.3	1840.3	1844.5	1849.3	1854.1
70°	2271.4	2162.7	2092.8	2035.8	2011.3	2006.5	2011.4	2011.6
71°	2367.7	2242.8	2131.7	2062.0	2021.9	2004.9	2006.2	1997.7
72.5°	2363.7	2209.7	2079.9	2006.9	1951.1	1937.6	1931.0	1920.8
75°	2204.5	2065.7	1953.0	1873.5	1819.8	1803.7	1792.0	1791.5
77.5°	1999.2	1896.9	1772.6	1688.4	1623.0	1596.4	1584.6	1584.1
80°	1607.2	1453.9	1363.0	1312.3	1233.4	1210.6	1186.4	1177.3
82.5°	971.9	759.4	617.5	548.7	510.7	420.5	377.4	357.0
85°	226.3	160.8	110.9	72.7	52.4	41.7	32.0	28.3
87.5°	15.3	12.0	10.8	8.7	6.6	6.4	3.9	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)