

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: P148626

Luminaire Tested: **AVS-F03-LED-E-U-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148626
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-7050
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8082.1 lumens
Efficiency: N/A
Efficacy: 103.2 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 - G3

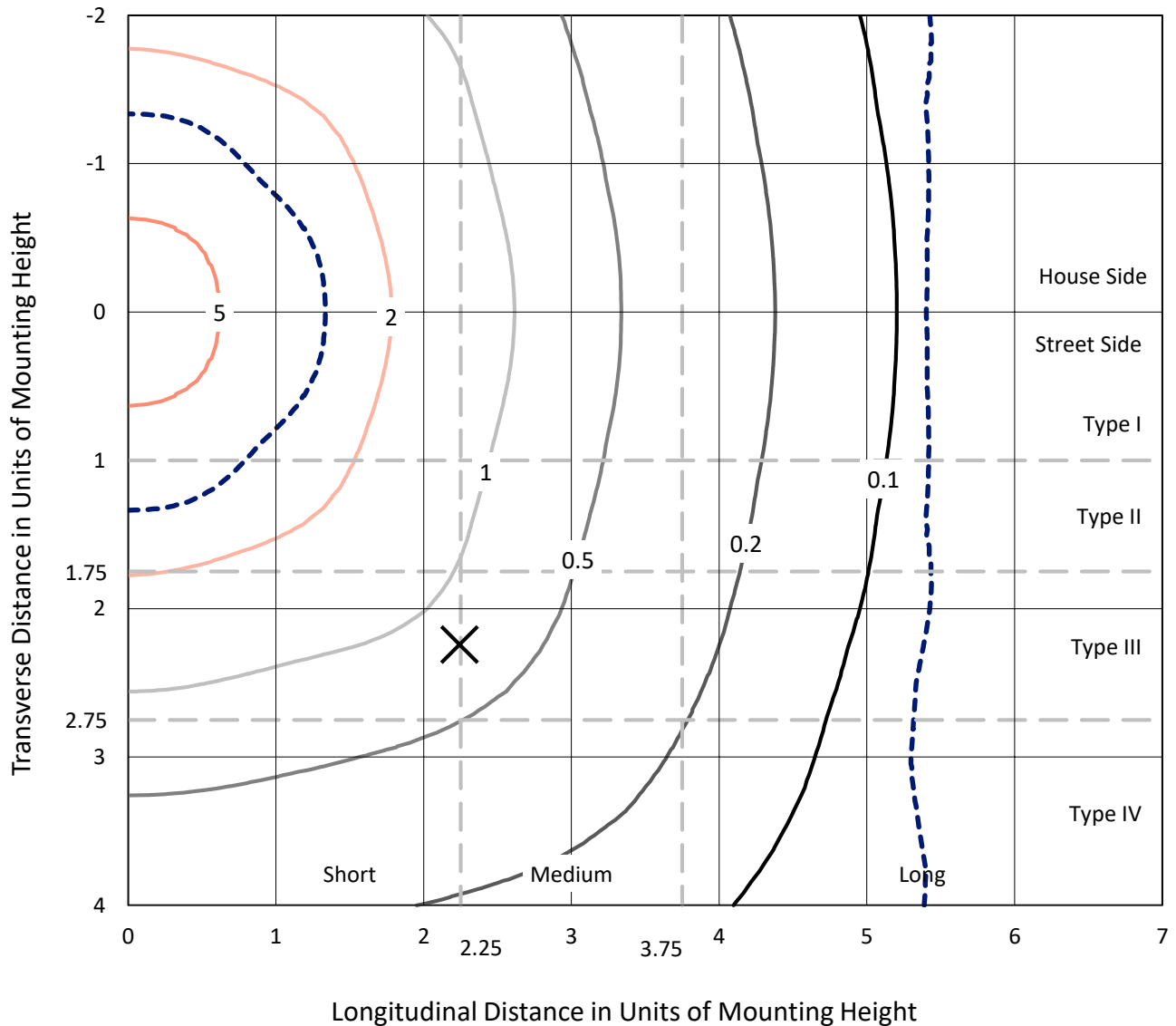
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P148626
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Iso-Footcandle Lines of Horizontal Illumination

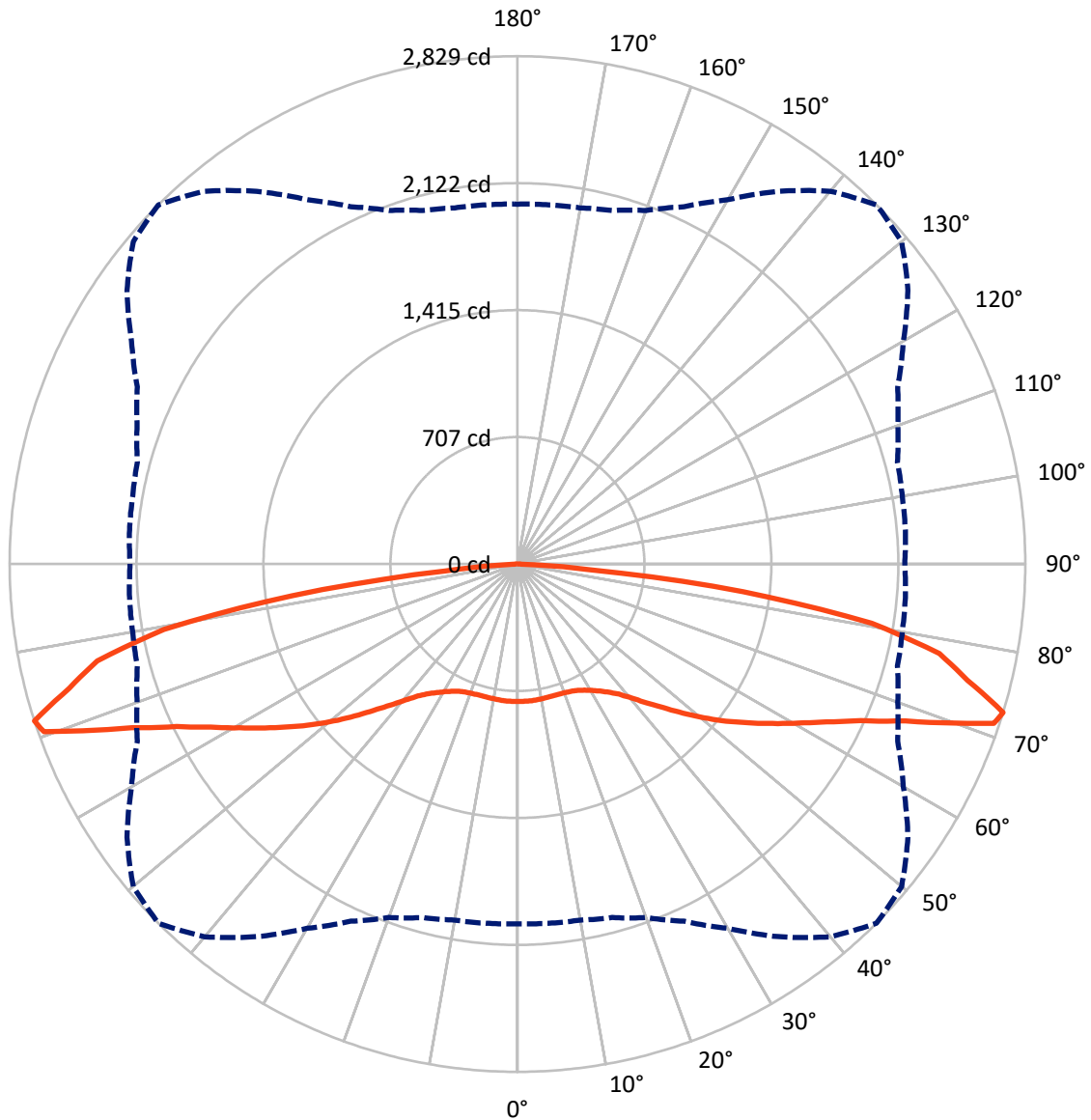
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P148626
CATALOG NUMBER: AVS-F03-LED-E-U-5XQ-7050

Luminous Intensity Polar Plot



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

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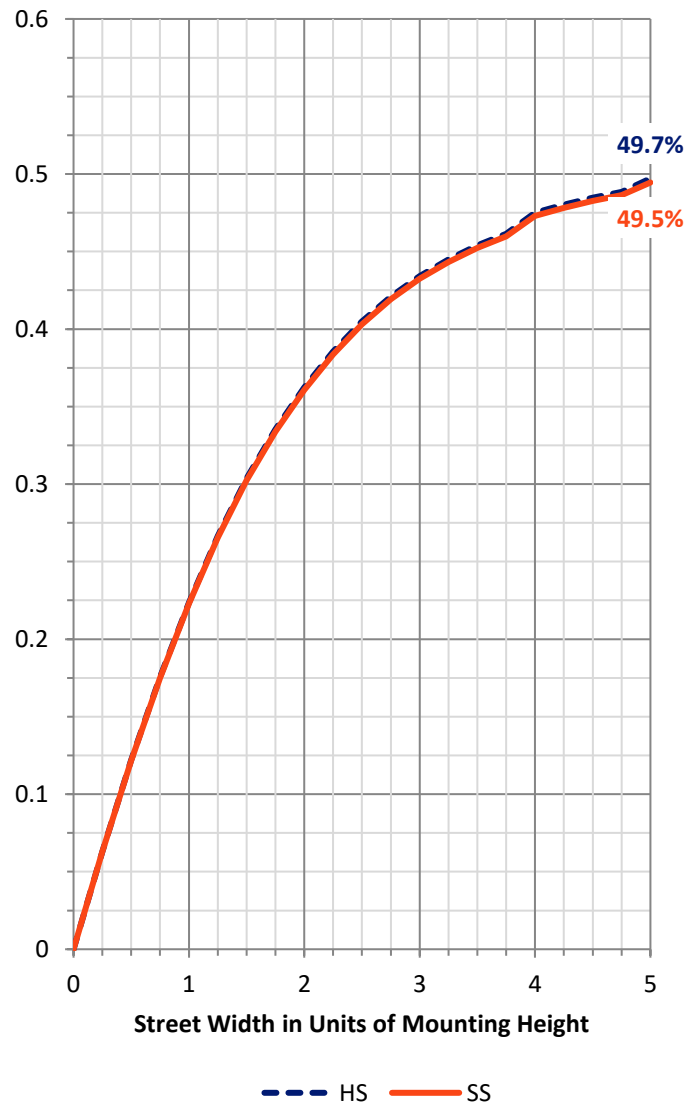
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4041.0	0.0	4041.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4041.0	0.0	4041.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8082.1	0.0	8082.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	0.9
10°-20°	215.9	2.7
20°-30°	361.5	4.5
30°-40°	551.1	6.8
40°-50°	880.0	10.9
50°-60°	1353.1	16.7
60°-70°	1970.1	24.4
70°-80°	2219.3	27.5
80°-90°	458.1	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°	8082.1	100.0
0°-180°	8082.1	100.0

Coefficient of Utilization



REPORT NUMBER: P148626

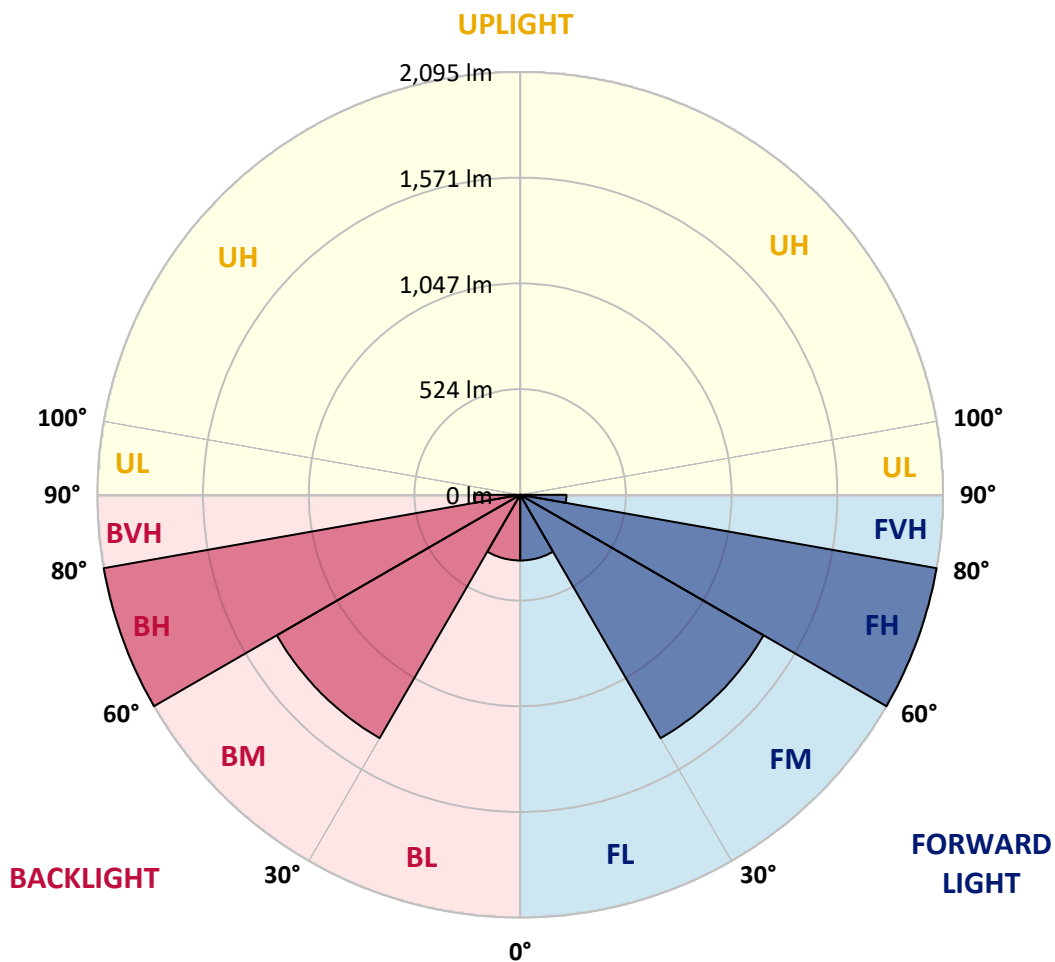
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.2	4.0			
FM	(30°-60°)	1392.1	17.2			
FH	(60°-80°)	2094.7	25.9			G2/5000
FVH	(80°-90°)	229.1	2.8			G3/500
BL	(0°-30°)	325.2	4.0	B1/500		
BM	(30°-60°)	1392.1	17.2	B2/2500		
BH	(60°-80°)	2094.7	25.9	B3/2500		G2/5000
BVH	(80°-90°)	229.1	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





REPORT NUMBER: P148626

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8
2.5°	767.0	767.5	767.3	766.8	767.0	766.8	766.4	766.2	764.7	765.6	766.8
5°	767.0	766.6	766.4	766.2	766.2	766.8	766.2	765.6	765.4	765.8	765.1
7.5°	766.6	765.8	765.3	765.1	765.4	765.6	764.9	764.0	764.8	764.1	763.2
10°	765.4	764.7	765.0	764.0	764.2	764.0	763.2	762.6	763.0	762.4	761.2
12.5°	765.8	764.8	764.5	764.0	763.8	763.6	762.6	761.5	761.8	761.2	760.2
15°	765.8	765.2	764.9	764.0	763.8	763.4	762.2	761.8	761.8	761.1	759.8
17.5°	766.2	765.8	765.7	764.8	764.2	764.0	762.6	762.0	762.6	761.3	760.5
20°	767.5	767.0	767.3	766.6	765.8	765.8	764.8	764.2	764.5	764.4	762.0
22.5°	769.9	769.9	770.4	770.2	769.9	770.2	769.3	769.3	769.5	769.5	767.7
25°	777.2	777.0	777.4	777.4	777.6	779.1	778.4	778.2	779.3	779.3	777.4
27.5°	790.7	790.3	790.8	791.2	792.2	794.1	793.7	794.4	796.1	795.6	793.9
30°	806.4	806.0	807.0	808.3	809.1	812.1	810.9	814.1	815.5	816.8	815.5
32.5°	829.2	829.3	831.2	832.0	834.0	836.9	837.3	839.9	841.8	843.8	842.4
35°	859.8	859.4	860.8	862.3	864.7	867.4	868.5	871.9	874.8	876.3	873.6
37.5°	906.3	904.0	906.8	907.7	909.5	910.2	913.2	917.4	920.6	920.1	918.2
40°	969.5	969.1	968.0	966.7	969.7	970.8	970.8	976.5	981.6	980.7	980.5
42.5°	1043.1	1041.2	1040.0	1040.0	1041.8	1042.2	1048.7	1052.8	1056.5	1057.4	1056.6
45°	1122.4	1120.4	1120.9	1120.0	1120.6	1123.4	1127.3	1135.1	1141.9	1142.1	1138.4
47.5°	1207.5	1201.6	1206.2	1199.7	1203.7	1205.8	1215.3	1226.7	1238.7	1240.7	1237.5
50°	1293.9	1293.3	1292.8	1291.6	1293.5	1298.1	1309.7	1327.8	1339.3	1346.8	1341.8
52.5°	1388.4	1385.2	1383.7	1381.6	1383.5	1392.6	1408.9	1424.6	1445.1	1453.8	1446.8
55°	1480.2	1479.2	1473.7	1473.5	1477.5	1491.7	1509.4	1528.7	1551.0	1560.7	1558.1
57.5°	1574.7	1568.6	1566.9	1564.4	1572.4	1585.7	1607.6	1642.3	1665.4	1676.4	1670.1
60°	1667.0	1662.4	1658.8	1657.9	1663.4	1682.1	1713.4	1755.1	1783.7	1798.1	1788.0
62.5°	1766.2	1763.2	1759.0	1754.1	1765.8	1789.6	1828.6	1874.8	1916.9	1934.7	1919.3
65°	1889.4	1883.3	1878.5	1872.5	1882.0	1912.1	1961.0	2026.0	2082.5	2103.3	2092.2
67.5°	2019.5	2013.7	2014.1	2010.4	2027.3	2069.0	2132.0	2220.4	2296.2	2331.6	2310.9
70°	2133.0	2136.2	2137.0	2152.4	2181.7	2245.2	2350.3	2488.5	2603.5	2657.4	2635.2
71°	2099.5	2106.4	2117.3	2133.4	2183.7	2259.0	2402.3	2569.8	2707.0	2798.5	2767.8
72.5°	2004.6	2008.8	2014.3	2039.0	2095.9	2195.4	2343.0	2534.5	2710.9	2829.2	2793.7
75°	1867.4	1871.4	1873.4	1890.5	1942.4	2029.2	2164.2	2334.1	2489.7	2590.6	2580.6
77.5°	1660.2	1660.9	1675.8	1702.2	1760.4	1859.7	2002.1	2178.2	2324.6	2402.9	2353.2
80°	1192.3	1184.2	1199.5	1233.6	1305.5	1419.5	1565.2	1766.3	1928.8	2002.1	1925.0
82.5°	453.7	478.1	516.9	573.3	597.6	724.2	860.2	978.3	1115.1	1268.1	1229.7
85°	48.7	54.8	68.8	85.4	107.8	149.0	206.0	281.1	346.6	407.5	361.7
87.5°	18.2	18.7	20.7	23.9	24.4	25.4	27.2	31.5	29.4	25.4	20.5
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: P148626

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8
2.5°	765.8	766.0	765.8	766.0	765.9	765.2	765.4	765.0
5°	765.6	764.9	765.2	765.4	765.2	765.6	765.0	765.4
7.5°	764.6	763.2	763.6	763.6	763.2	763.8	763.4	763.2
10°	762.4	760.6	761.6	761.1	760.8	761.0	761.0	761.1
12.5°	760.5	759.4	759.6	759.4	759.2	759.8	759.6	759.8
15°	760.0	758.3	758.1	757.7	757.9	758.3	758.3	759.0
17.5°	759.6	757.5	757.3	756.9	757.1	757.9	758.1	757.7
20°	760.9	759.2	758.8	758.3	758.1	759.2	759.0	759.0
22.5°	766.8	764.7	764.5	762.8	762.2	762.8	762.4	762.4
25°	776.4	773.8	773.0	770.7	768.9	768.9	768.3	767.9
27.5°	793.6	789.6	788.8	786.9	784.7	785.1	783.7	783.5
30°	813.4	809.9	807.0	804.4	801.6	800.4	799.0	798.8
32.5°	839.5	835.6	832.0	828.6	824.9	823.3	820.8	819.5
35°	871.4	866.3	862.1	859.7	856.0	854.1	852.3	854.3
37.5°	916.1	909.9	907.8	905.1	902.6	899.6	900.2	899.6
40°	977.9	972.4	970.4	965.4	964.8	961.5	963.5	961.5
42.5°	1054.4	1044.2	1042.7	1039.0	1037.7	1035.8	1036.7	1035.1
45°	1137.6	1128.5	1126.8	1120.6	1120.9	1116.5	1118.1	1118.1
47.5°	1231.3	1221.8	1213.9	1209.4	1207.7	1205.0	1206.4	1206.2
50°	1327.8	1314.8	1306.2	1297.5	1293.7	1294.7	1291.8	1296.9
52.5°	1431.5	1412.2	1400.0	1391.8	1384.6	1386.0	1386.4	1388.0
55°	1538.9	1514.4	1496.6	1485.8	1479.2	1479.6	1481.6	1483.2
57.5°	1646.9	1616.3	1592.1	1576.0	1571.7	1573.7	1573.7	1573.5
60°	1759.0	1722.1	1691.0	1672.7	1669.0	1667.9	1676.2	1673.4
62.5°	1879.3	1835.0	1802.8	1779.5	1774.0	1777.8	1785.2	1783.5
65°	2038.8	1977.5	1936.0	1913.0	1903.6	1907.4	1917.3	1916.9
67.5°	2244.4	2158.8	2103.9	2074.3	2067.6	2072.1	2077.7	2082.9
70°	2551.8	2429.6	2351.3	2287.0	2259.6	2254.3	2259.8	2260.0
71°	2660.1	2519.6	2394.9	2316.5	2271.4	2252.4	2253.9	2244.4
72.5°	2655.5	2482.6	2336.7	2254.7	2192.0	2176.8	2169.3	2157.9
75°	2476.7	2320.7	2194.2	2104.8	2044.4	2026.4	2013.3	2012.6
77.5°	2246.0	2131.0	1991.5	1896.8	1823.3	1793.5	1780.1	1779.7
80°	1805.6	1633.4	1531.3	1474.3	1385.6	1360.0	1332.8	1322.7
82.5°	1091.8	853.3	693.8	616.5	573.7	472.4	423.9	401.0
85°	254.3	180.6	124.6	81.8	58.9	46.7	36.1	31.7
87.5°	17.1	13.5	12.0	9.7	7.4	7.3	4.5	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)