

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: P148623

Luminaire Tested: **AVS-F03-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148623
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6647.6 lumens
Efficiency: N/A
Efficacy: 84.9 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



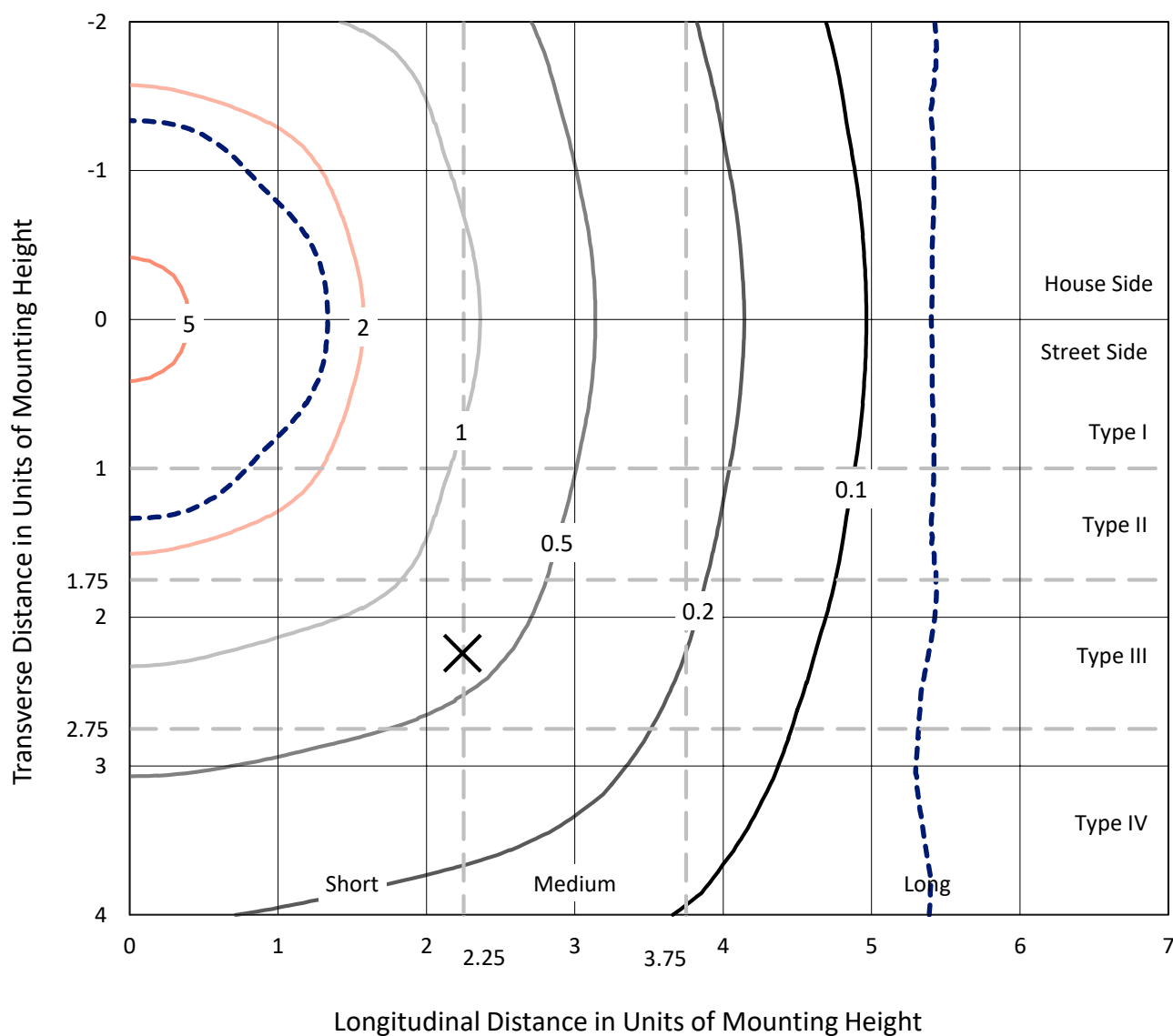
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

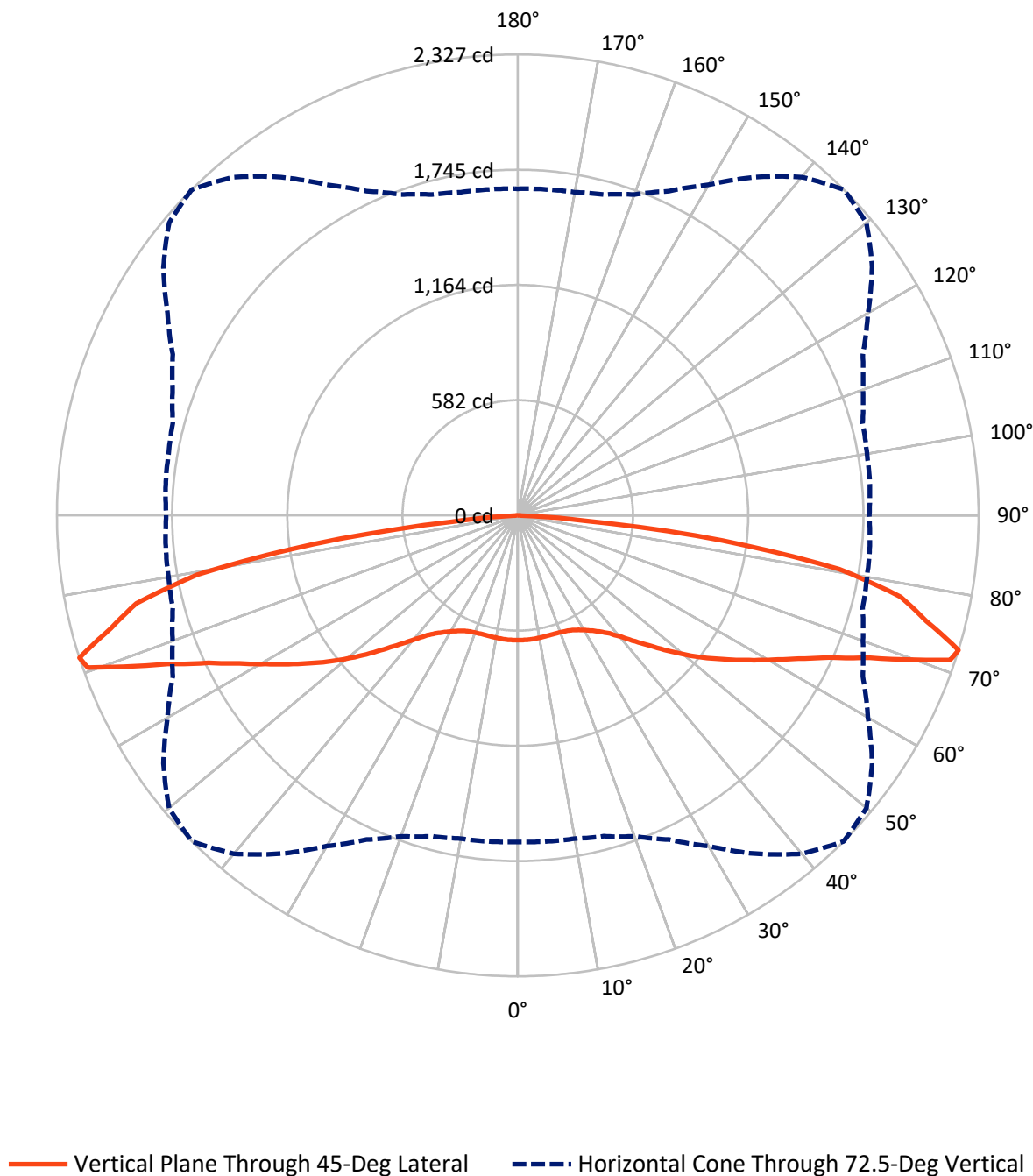


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3323.8	0.0	3323.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3323.8	0.0	3323.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6647.6	0.0	6647.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	0.9
10°-20°	177.6	2.7
20°-30°	297.3	4.5
30°-40°	453.3	6.8
40°-50°	723.8	10.9
50°-60°	1112.9	16.7
60°-70°	1620.4	24.4
70°-80°	1825.4	27.5
80°-90°	376.8	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°	6647.6	100.0
0°-180°	6647.6	100.0

Coefficient of Utilization



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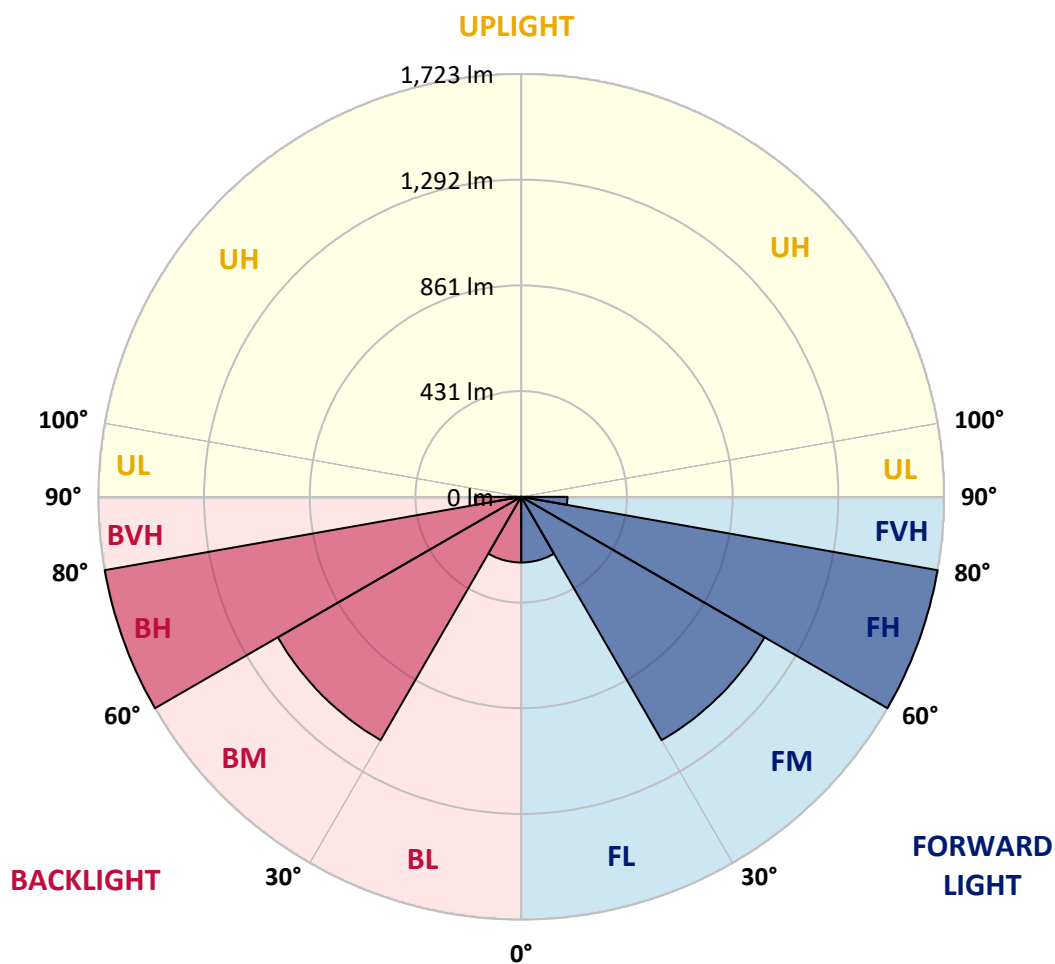
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.5	4.0			
FM	(30°-60°)	1145.0	17.2			
FH	(60°-80°)	1722.9	25.9			G1/1800
FVH	(80°-90°)	188.4	2.8			G2/225
BL	(0°-30°)	267.5	4.0	B1/500		
BM	(30°-60°)	1145.0	17.2	B2/2500		
BH	(60°-80°)	1722.9	25.9	B3/2500		G1/1800
BVH	(80°-90°)	188.4	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°	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8
2.5°	630.9	631.3	631.1	630.7	630.9	630.7	630.4	630.2	629.0	629.6	630.7
5°	630.9	630.5	630.4	630.2	630.3	630.8	630.2	629.6	629.4	629.8	629.3
7.5°	630.6	629.8	629.5	629.3	629.5	629.6	629.1	628.4	629.0	628.5	627.8
10°	629.4	629.0	629.2	628.4	628.6	628.4	627.8	627.3	627.6	627.0	626.2
12.5°	629.8	629.0	628.8	628.4	628.3	628.1	627.2	626.3	626.5	626.2	625.3
15°	629.8	629.3	629.2	628.4	628.3	628.0	626.8	626.5	626.5	626.0	625.0
17.5°	630.3	629.8	629.8	629.0	628.6	628.5	627.3	626.7	627.3	626.1	625.5
20°	631.3	630.9	631.1	630.6	629.8	629.8	629.0	628.6	628.8	628.6	626.7
22.5°	633.4	633.4	633.7	633.6	633.4	633.5	632.7	632.7	633.0	633.0	631.4
25°	639.2	639.1	639.4	639.5	639.6	640.8	640.3	640.1	641.0	641.0	639.4
27.5°	650.5	650.1	650.4	650.8	651.6	653.2	652.8	653.4	654.7	654.4	653.1
30°	663.2	663.0	663.8	664.9	665.6	668.0	666.9	669.5	670.8	671.8	670.8
32.5°	682.1	682.1	683.7	684.4	685.9	688.4	688.7	690.8	692.4	694.1	693.0
35°	707.2	706.8	708.1	709.3	711.2	713.5	714.3	717.1	719.5	720.8	718.5
37.5°	745.5	743.6	745.9	746.5	748.1	748.6	751.1	754.6	757.2	756.8	755.2
40°	797.4	797.1	796.2	795.1	797.6	798.4	798.4	803.1	807.4	806.6	806.4
42.5°	858.0	856.5	855.3	855.4	856.8	857.2	862.6	866.0	869.0	869.6	869.0
45°	923.1	921.7	922.0	921.2	921.8	924.0	927.3	933.7	939.2	939.4	936.4
47.5°	993.2	988.3	992.1	986.7	990.1	991.8	999.6	1009.0	1018.8	1020.5	1017.9
50°	1064.2	1063.7	1063.4	1062.4	1063.9	1067.8	1077.3	1092.1	1101.6	1107.8	1103.6
52.5°	1142.0	1139.4	1138.1	1136.4	1137.9	1145.5	1158.9	1171.7	1188.6	1195.8	1190.1
55°	1217.5	1216.7	1212.2	1212.0	1215.2	1226.9	1241.6	1257.4	1275.8	1283.7	1281.7
57.5°	1295.2	1290.2	1288.8	1286.6	1293.3	1304.2	1322.2	1350.8	1369.7	1378.9	1373.6
60°	1371.2	1367.4	1364.4	1363.6	1368.2	1383.5	1409.3	1443.6	1467.2	1479.0	1470.6
62.5°	1452.6	1450.3	1446.8	1442.7	1452.3	1472.0	1504.0	1542.1	1576.7	1591.4	1578.7
65°	1554.1	1549.0	1545.2	1540.1	1548.0	1572.7	1613.0	1666.4	1713.0	1729.9	1720.9
67.5°	1660.9	1656.4	1656.7	1653.5	1667.5	1701.8	1753.7	1826.3	1888.7	1917.7	1900.7
70°	1754.4	1757.0	1757.7	1770.4	1794.4	1846.7	1933.1	2046.8	2141.5	2185.8	2167.6
71°	1726.8	1732.6	1741.5	1754.7	1796.2	1858.0	1976.0	2113.7	2226.5	2301.9	2276.6
72.5°	1648.8	1652.3	1656.9	1677.0	1723.9	1805.8	1927.2	2084.7	2229.7	2327.0	2297.8
75°	1536.0	1539.3	1540.8	1554.9	1597.6	1669.0	1780.1	1919.8	2047.9	2130.8	2122.6
77.5°	1365.6	1366.1	1378.3	1400.1	1448.0	1529.7	1646.7	1791.7	1912.0	1976.5	1935.5
80°	980.7	974.1	986.5	1014.6	1073.8	1167.6	1287.4	1452.8	1586.5	1646.7	1583.3
82.5°	373.1	393.4	425.2	471.5	491.5	595.6	707.6	804.8	917.3	1043.0	1011.5
85°	40.0	45.1	56.6	70.3	88.7	122.6	169.4	231.3	285.2	335.1	297.5
87.5°	14.9	15.3	17.1	19.7	20.0	20.9	22.3	25.9	24.2	20.9	16.9
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°	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8
2.5°	629.8	630.1	629.8	630.1	630.1	629.3	629.5	629.2
5°	629.6	629.2	629.3	629.5	629.3	629.6	629.1	629.4
7.5°	628.8	627.8	628.1	628.1	627.8	628.3	628.0	627.8
10°	627.0	625.7	626.3	626.0	625.8	626.0	626.0	626.0
12.5°	625.5	624.7	624.9	624.7	624.5	625.0	624.8	625.0
15°	625.2	623.7	623.6	623.2	623.4	623.7	623.7	624.2
17.5°	624.8	623.0	622.9	622.6	622.7	623.4	623.6	623.2
20°	625.8	624.5	624.0	623.7	623.5	624.5	624.2	624.2
22.5°	630.7	629.0	628.8	627.4	626.8	627.4	627.0	627.0
25°	638.5	636.5	635.8	633.8	632.4	632.4	631.9	631.6
27.5°	652.6	649.5	648.9	647.3	645.4	645.7	644.7	644.6
30°	669.0	666.2	663.8	661.6	659.3	658.4	657.2	657.0
32.5°	690.5	687.4	684.4	681.6	678.4	677.2	675.1	674.1
35°	716.8	712.6	709.1	707.2	704.0	702.5	701.1	702.7
37.5°	753.5	748.5	746.7	744.5	742.4	739.9	740.5	739.9
40°	804.4	799.9	798.1	794.1	793.6	790.8	792.5	790.8
42.5°	867.3	859.0	857.6	854.5	853.5	851.9	852.6	851.4
45°	935.8	928.3	926.8	921.8	922.0	918.2	919.7	919.7
47.5°	1012.6	1004.9	998.3	994.8	993.4	991.1	992.3	992.1
50°	1092.1	1081.6	1074.4	1067.3	1064.0	1065.0	1062.5	1066.7
52.5°	1177.5	1161.7	1151.5	1144.7	1138.8	1140.1	1140.4	1141.6
55°	1265.8	1245.6	1231.0	1222.1	1216.7	1217.0	1218.5	1220.0
57.5°	1354.6	1329.3	1309.5	1296.3	1292.8	1294.3	1294.3	1294.2
60°	1446.7	1416.5	1390.9	1375.9	1372.7	1371.9	1378.7	1376.4
62.5°	1545.7	1509.3	1482.8	1463.6	1459.2	1462.3	1468.4	1466.9
65°	1676.9	1626.5	1592.4	1573.4	1565.7	1568.9	1577.1	1576.8
67.5°	1846.0	1775.6	1730.6	1706.1	1700.5	1704.4	1708.9	1713.4
70°	2099.0	1998.3	1934.0	1881.1	1858.5	1854.2	1858.8	1858.9
71°	2188.0	2072.4	1969.8	1905.4	1868.3	1852.6	1853.9	1846.0
72.5°	2184.2	2042.0	1922.0	1854.5	1803.0	1790.5	1784.4	1774.9
75°	2037.1	1908.8	1804.8	1731.2	1681.6	1666.7	1656.0	1655.4
77.5°	1847.4	1752.8	1638.0	1560.2	1499.7	1475.1	1464.1	1463.8
80°	1485.1	1343.4	1259.5	1212.6	1139.7	1118.7	1096.4	1088.0
82.5°	898.0	701.8	570.6	507.0	471.9	388.6	348.7	329.9
85°	209.2	148.6	102.4	67.3	48.4	38.5	29.6	26.1
87.5°	14.1	11.2	9.9	8.0	6.1	5.9	3.6	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)