

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: P148104

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148104
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
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-5WQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7201.7 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

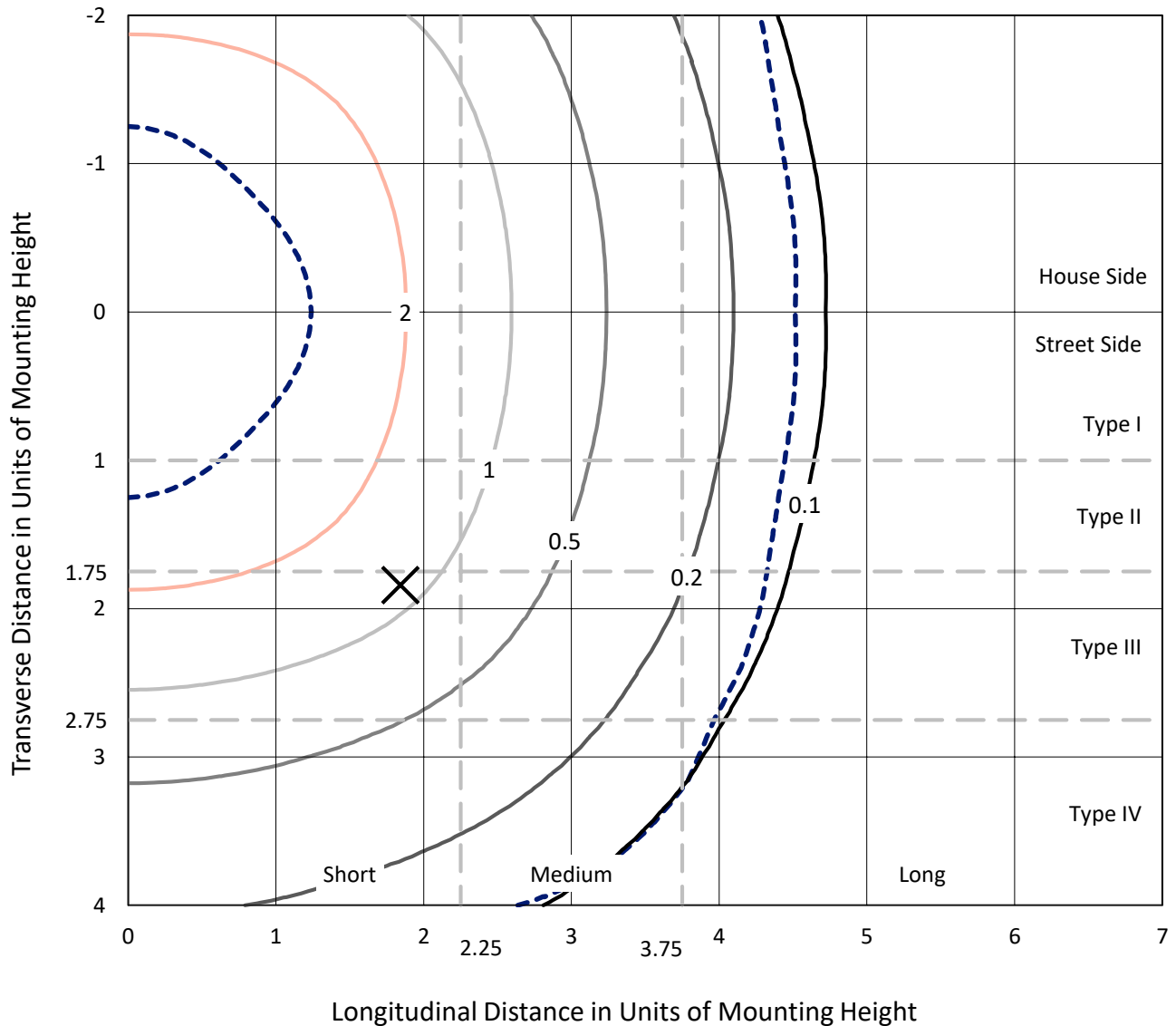
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P148104
 CATALOG NUMBER: AVS-F03-LED-E-U-5WQ-7030

Iso-Footcandle Lines of Horizontal Illumination

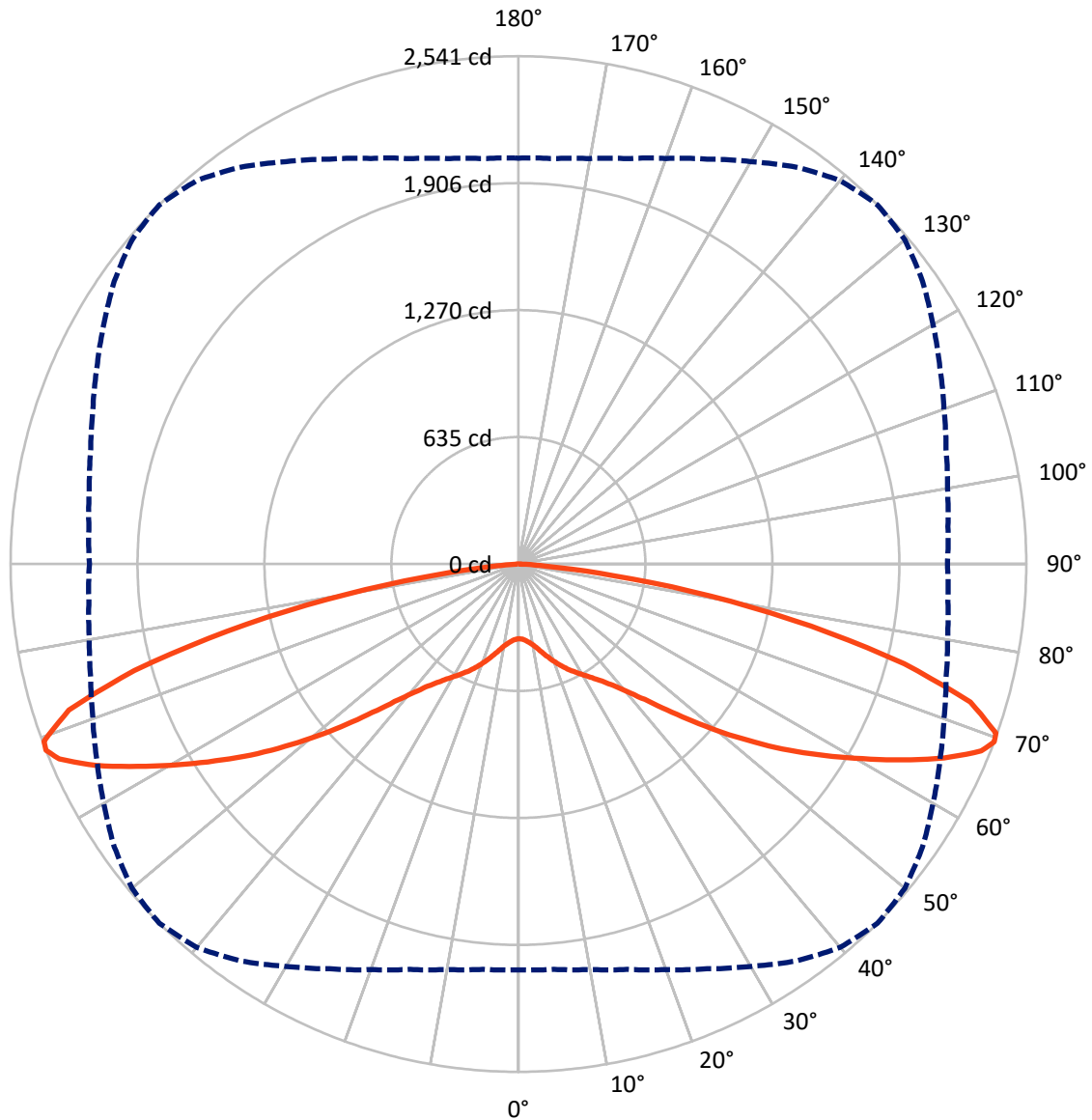
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P148104
CATALOG NUMBER: AVS-F03-LED-E-U-5WQ-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P148104

CATALOG NUMBER: AVS-F03-LED-E-U-5WQ-7030

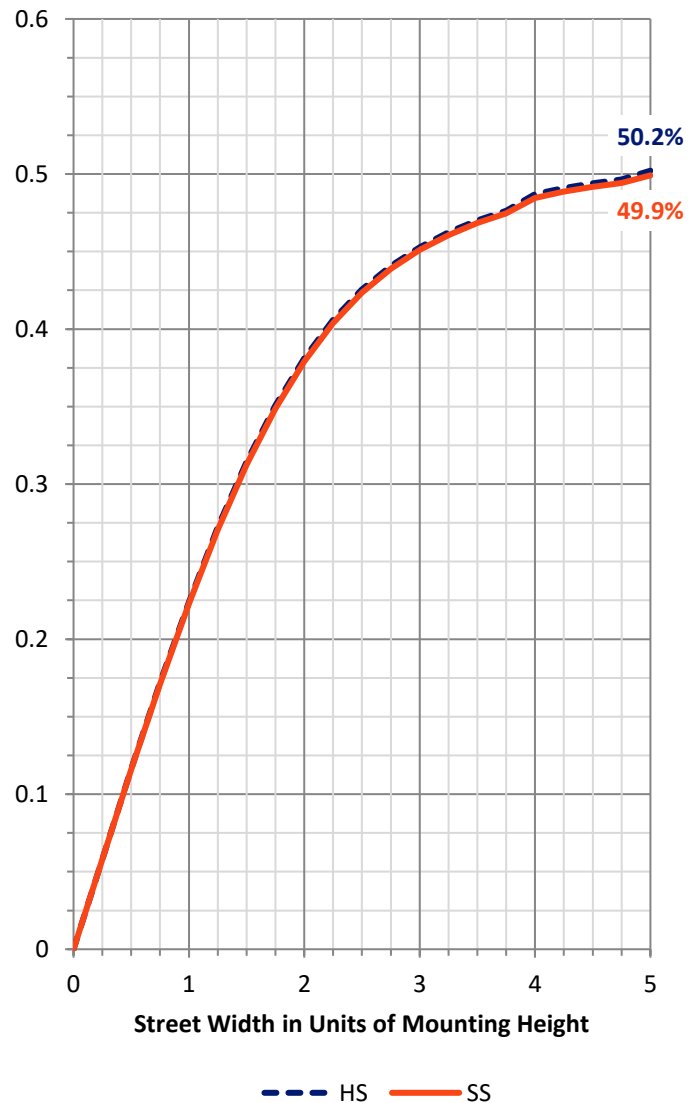
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3600.8	0.0	3600.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3600.8	0.0	3600.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7201.7	0.0	7201.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	0.5
10°-20°	132.6	1.8
20°-30°	268.5	3.7
30°-40°	450.2	6.3
40°-50°	794.1	11.0
50°-60°	1400.3	19.4
60°-70°	2137.9	29.7
70°-80°	1786.4	24.8
80°-90°	194.1	2.7
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°	7201.7	100.0
0°-180°	7201.7	100.0



REPORT NUMBER: P148104

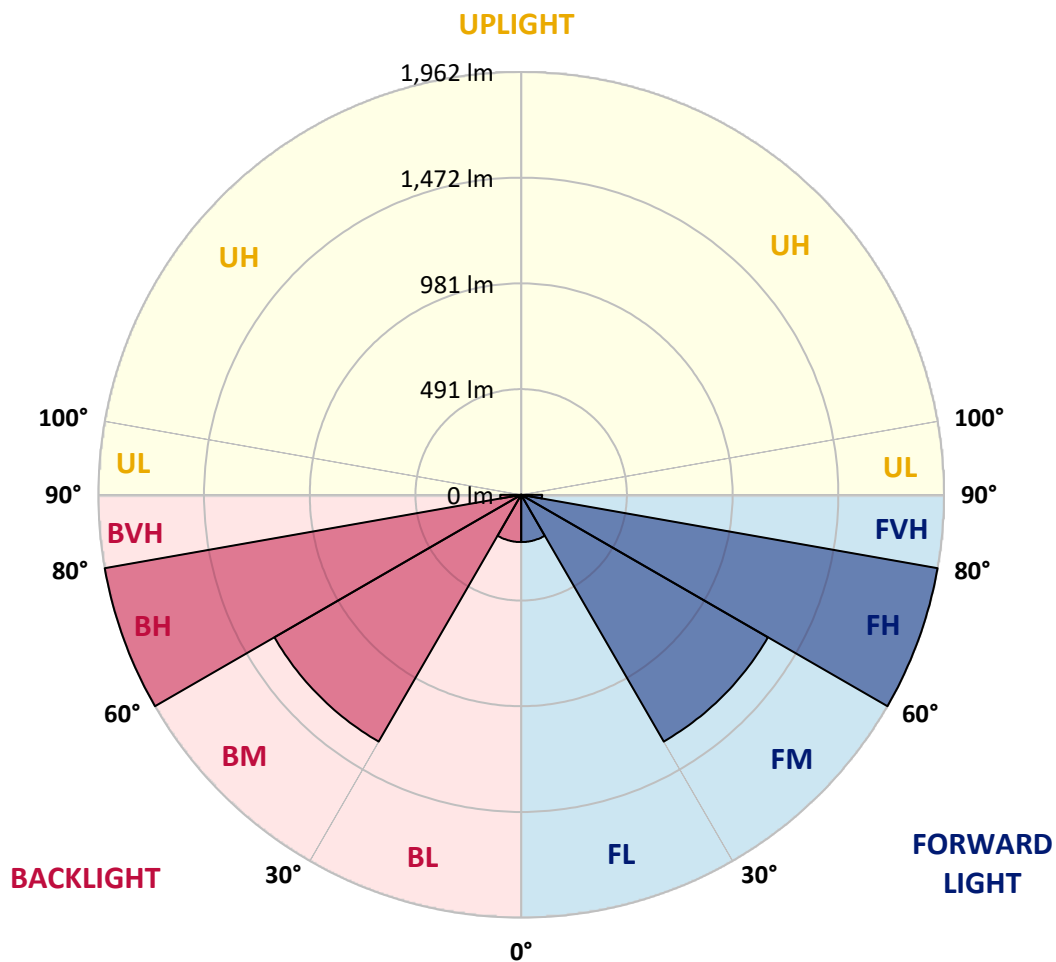
CATALOG NUMBER: AVS-F03-LED-E-U-5WQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.3	3.0			
FM (30°-60°)	1322.3	18.4			
FH (60°-80°)	1962.2	27.2			G2/5000
FVH (80°-90°)	97.1	1.3			G1/100
BL (0°-30°)	219.3	3.0	B1/500		
BM (30°-60°)	1322.3	18.4	B2/2500		
BH (60°-80°)	1962.2	27.2	B3/2500		G2/5000
BVH (80°-90°)	97.1	1.3			G1/100
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





REPORT NUMBER: P148104

CATALOG NUMBER: AVS-F03-LED-E-U-5WQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0
2.5°	377.0	377.7	377.0	377.0	377.0	377.0	377.0	376.3	376.3	376.3	377.0
5°	384.6	385.3	384.6	385.3	385.3	385.3	385.3	384.6	384.6	384.6	384.6
7.5°	396.6	396.6	396.6	397.3	396.6	396.6	397.3	396.6	396.6	396.6	396.6
10°	414.0	413.2	413.2	413.2	413.2	413.2	414.0	414.0	414.0	413.2	413.2
12.5°	435.0	434.3	435.0	435.0	435.9	435.9	435.9	435.9	435.9	435.9	435.0
15°	460.7	460.7	460.7	461.5	462.9	462.9	462.2	462.9	462.9	462.9	462.9
17.5°	489.3	490.9	489.3	490.1	490.9	490.1	491.6	492.3	493.2	492.3	490.1
20°	518.8	519.5	519.5	519.5	519.5	521.0	521.8	521.8	524.0	523.3	522.5
22.5°	546.6	548.2	548.2	548.9	548.9	551.2	551.2	551.2	552.6	554.2	552.6
25°	576.1	575.3	575.3	576.8	577.5	580.6	580.6	582.1	584.4	585.1	583.6
27.5°	602.5	601.7	601.7	603.9	604.7	608.5	608.5	611.5	613.0	613.8	612.2
30°	630.4	630.4	629.5	631.8	634.1	637.1	638.7	641.7	643.9	644.7	643.1
32.5°	663.5	662.0	662.8	664.2	665.8	668.8	671.1	674.8	677.8	678.5	677.1
35°	701.2	699.0	699.7	701.2	703.5	708.0	711.8	714.0	718.5	720.1	717.1
37.5°	742.7	743.4	742.7	746.4	750.3	755.5	760.0	763.0	767.6	769.8	767.6
40°	801.5	799.3	801.5	805.3	811.3	818.1	827.2	829.4	833.9	838.4	833.2
42.5°	877.6	876.2	881.5	884.5	891.2	898.8	910.1	916.1	922.9	925.9	921.3
45°	977.2	977.2	983.2	983.9	994.5	1004.4	1020.1	1027.7	1040.5	1040.5	1040.5
47.5°	1087.3	1091.8	1095.5	1103.1	1110.7	1128.7	1144.6	1161.1	1173.3	1174.7	1172.4
50°	1201.1	1205.6	1217.0	1227.5	1244.0	1266.7	1284.0	1305.9	1316.5	1325.5	1322.5
52.5°	1327.0	1327.8	1341.3	1354.9	1379.1	1403.9	1431.8	1454.4	1473.3	1481.6	1474.8
55°	1465.0	1466.5	1478.5	1493.0	1520.0	1548.7	1583.4	1606.7	1630.9	1646.0	1634.6
57.5°	1614.3	1615.0	1627.2	1644.5	1676.9	1705.5	1738.8	1771.9	1794.5	1808.1	1800.5
60°	1779.4	1783.2	1792.2	1814.1	1845.0	1875.2	1908.4	1937.7	1964.1	1978.4	1971.0
62.5°	1955.9	1959.6	1972.4	1989.7	2016.9	2050.2	2081.8	2119.5	2141.3	2157.2	2145.9
65°	2074.2	2081.0	2101.3	2124.8	2164.8	2207.7	2244.7	2296.0	2322.3	2341.1	2330.6
67.5°	2081.8	2085.6	2110.5	2145.9	2199.4	2264.2	2339.7	2419.6	2471.6	2496.5	2478.3
69°	2030.5	2035.8	2059.9	2099.9	2159.5	2234.8	2324.6	2424.0	2504.0	2540.9	2523.6
70°	1972.4	1983.7	2010.2	2053.9	2111.9	2191.1	2283.8	2390.2	2483.6	2534.2	2521.3
72.5°	1850.3	1853.3	1870.7	1905.4	1949.8	2015.4	2102.9	2203.2	2292.1	2364.6	2375.1
75°	1642.2	1652.0	1664.8	1688.2	1710.8	1758.3	1817.1	1885.7	1937.7	1993.6	1995.9
77.5°	1241.0	1270.5	1280.3	1285.6	1295.3	1333.1	1384.4	1443.9	1486.8	1496.0	1494.4
80°	557.2	596.4	605.5	648.4	674.8	737.4	815.9	907.0	968.1	974.9	958.3
82.5°	109.3	116.9	136.5	170.4	232.2	269.2	320.4	384.6	443.3	477.3	456.9
85°	36.2	38.4	44.5	49.0	56.6	64.0	77.6	96.5	119.9	132.7	118.3
87.5°	14.3	14.3	16.6	18.1	19.6	19.6	19.6	18.1	17.3	14.3	12.8
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: P148104

CATALOG NUMBER: AVS-F03-LED-E-U-5WQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0
2.5°	376.3	376.3	376.3	376.3	376.3	376.3	376.3	376.3
5°	384.6	383.8	383.8	383.0	383.0	383.0	383.0	383.0
7.5°	395.9	395.1	394.3	395.1	394.3	394.3	394.3	394.3
10°	413.2	411.7	410.9	410.2	410.2	410.2	409.4	409.4
12.5°	433.6	433.6	432.7	432.0	430.6	431.3	430.6	429.0
15°	461.5	459.9	459.2	458.4	456.9	456.9	456.9	456.2
17.5°	489.3	487.9	487.9	485.6	484.8	484.8	484.8	485.6
20°	520.2	518.0	516.5	515.0	513.5	514.2	512.7	514.2
22.5°	551.2	548.2	546.6	544.4	542.1	542.1	541.3	539.9
25°	581.3	577.5	576.1	573.8	570.8	570.8	569.2	567.8
27.5°	609.9	606.2	604.7	600.2	597.2	596.4	594.9	594.2
30°	641.7	637.1	634.8	630.4	625.8	625.1	622.8	622.8
32.5°	674.8	670.3	668.8	662.0	658.2	658.2	656.7	655.2
35°	716.3	709.5	708.0	701.2	696.0	696.0	694.4	695.2
37.5°	765.3	760.0	754.7	749.4	743.4	742.7	741.1	739.7
40°	830.9	824.9	818.9	811.3	806.0	804.6	802.3	801.5
42.5°	918.3	912.3	900.3	894.2	888.9	884.5	883.7	882.9
45°	1029.9	1022.4	1014.1	1002.8	996.1	986.2	984.8	980.9
47.5°	1164.1	1149.8	1135.5	1125.7	1115.1	1103.8	1101.6	1095.5
50°	1306.6	1295.3	1271.2	1255.4	1238.9	1227.5	1220.0	1217.7
52.5°	1459.7	1438.7	1414.5	1393.4	1369.2	1354.2	1340.6	1336.8
55°	1619.6	1589.4	1559.3	1534.4	1510.3	1492.1	1479.4	1473.3
57.5°	1779.4	1746.2	1713.1	1685.9	1665.6	1642.2	1629.4	1626.3
60°	1946.0	1914.4	1880.4	1853.3	1828.4	1808.1	1800.5	1786.2
62.5°	2122.5	2089.3	2057.6	2031.3	1999.6	1985.3	1972.4	1964.1
65°	2296.0	2257.4	2217.5	2189.6	2157.9	2137.6	2121.8	2110.5
67.5°	2430.2	2372.0	2318.5	2271.8	2228.8	2197.1	2176.8	2166.2
69°	2467.8	2395.4	2326.8	2265.7	2215.2	2179.8	2157.2	2146.6
70°	2463.3	2383.4	2308.0	2240.8	2185.8	2148.1	2126.2	2106.6
72.5°	2323.8	2250.7	2166.9	2093.9	2044.0	2007.9	1986.0	1975.4
75°	1983.0	1934.0	1873.7	1817.1	1780.9	1759.8	1732.6	1733.5
77.5°	1443.9	1445.4	1404.7	1346.6	1305.9	1298.3	1286.3	1274.3
80°	895.8	824.1	777.4	714.8	668.8	628.8	611.5	573.8
82.5°	413.2	322.7	250.4	189.2	145.5	113.9	99.5	81.5
85°	92.0	70.2	58.0	46.7	40.0	37.0	30.2	27.9
87.5°	12.8	11.3	10.6	9.8	8.3	6.0	4.6	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)