

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: P147575

Luminaire Tested: **AVS-F02-LED-E-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147575
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F02-LED-E-U-5MQ
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5322.6 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

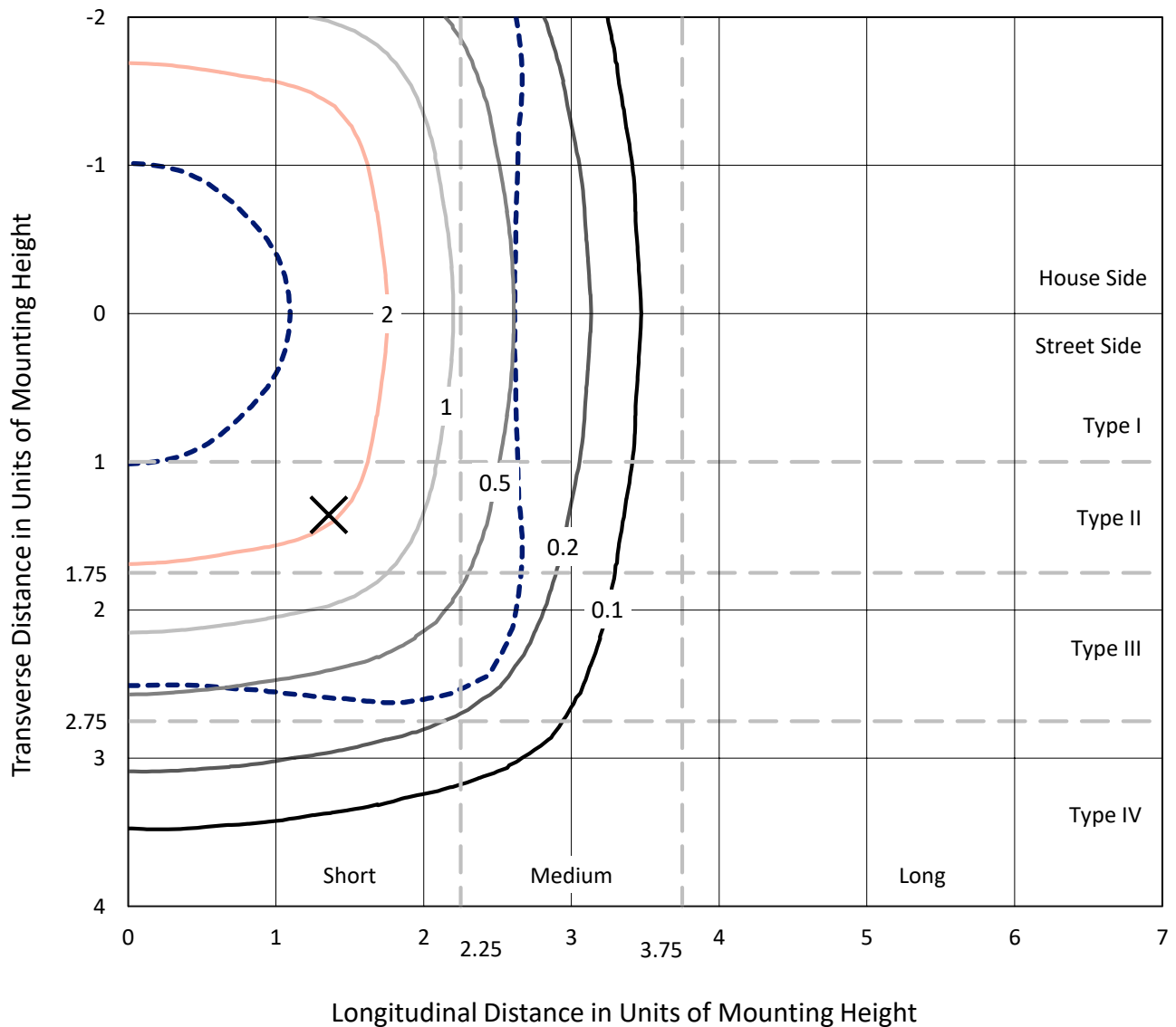
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P147575
 CATALOG NUMBER: AVS-F02-LED-E-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

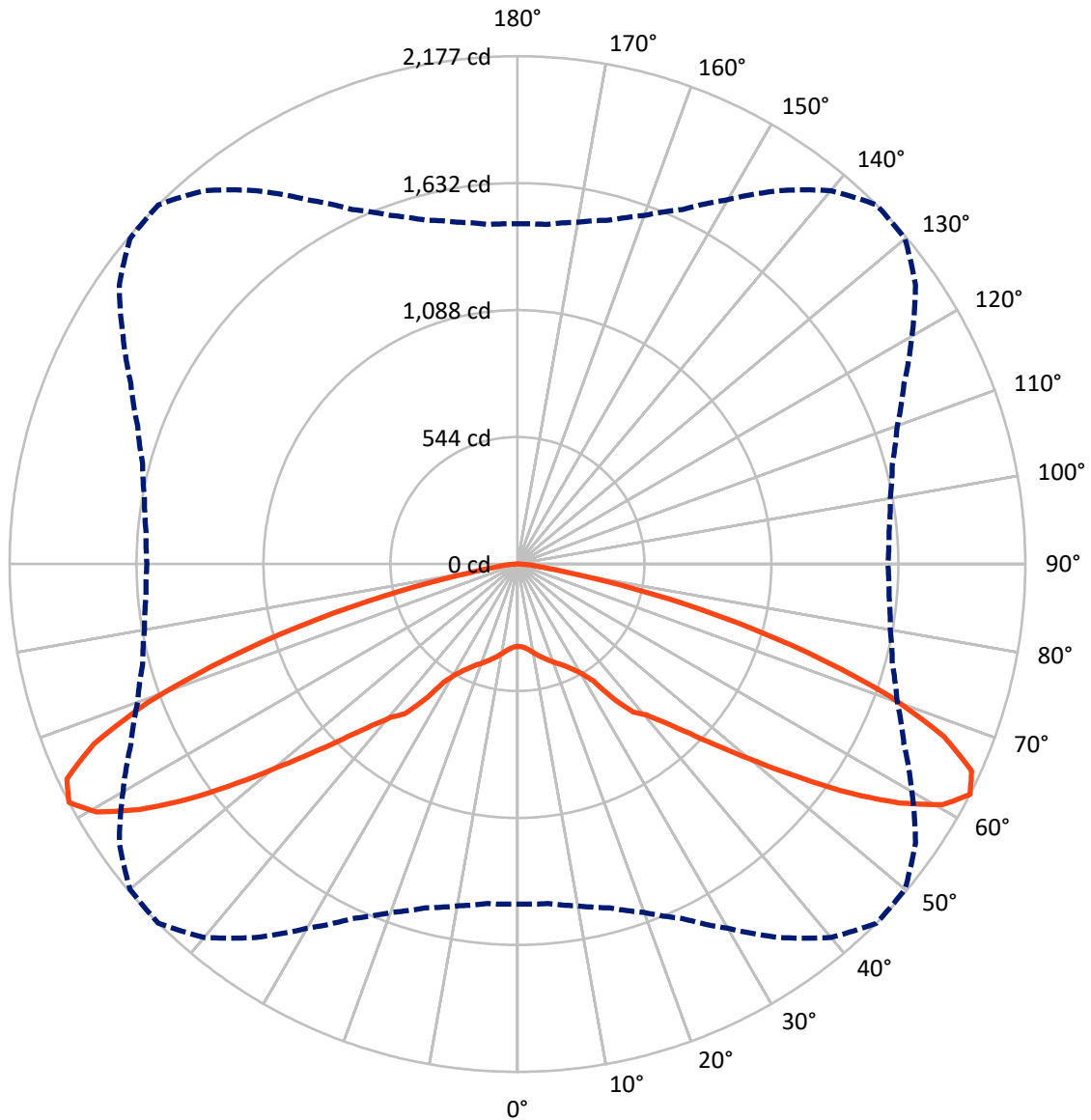
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P147575
CATALOG NUMBER: AVS-F02-LED-E-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P147575

CATALOG NUMBER: AVS-F02-LED-E-U-5MQ

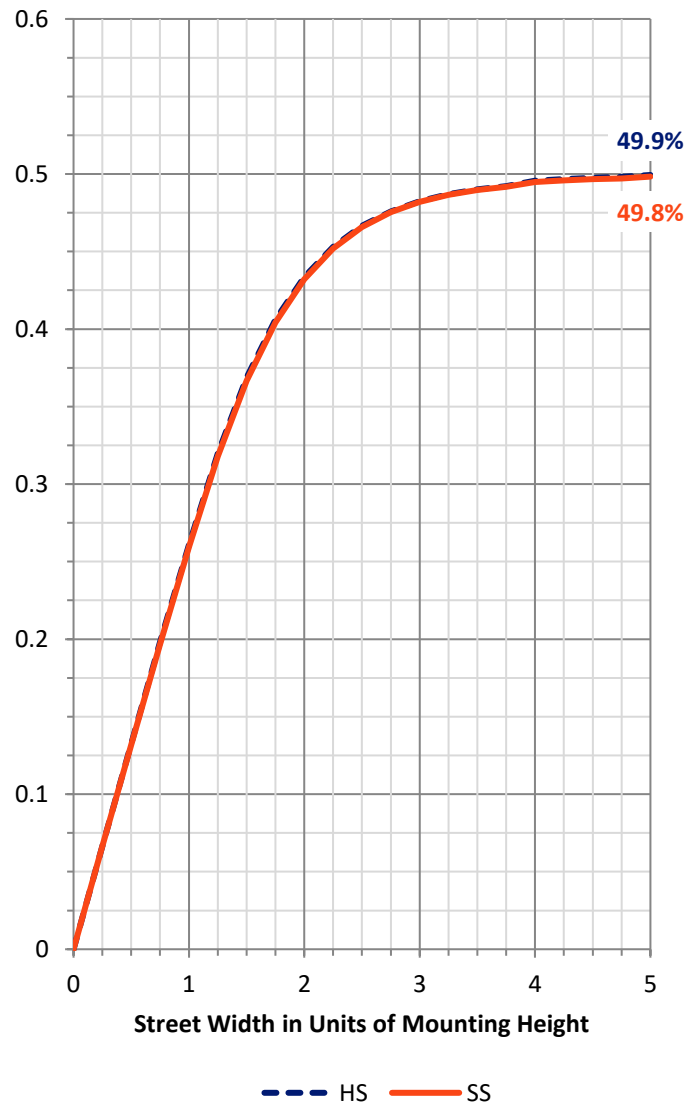
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2661.3	0.0	2661.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2661.3	0.0	2661.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5322.6	0.0	5322.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	0.7
10°-20°	119.7	2.2
20°-30°	231.4	4.3
30°-40°	448.1	8.4
40°-50°	809.1	15.2
50°-60°	1406.8	26.4
60°-70°	1597.1	30.0
70°-80°	619.2	11.6
80°-90°	55.9	1.0
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°	5322.6	100.0
0°-180°	5322.6	100.0



REPORT NUMBER: P147575

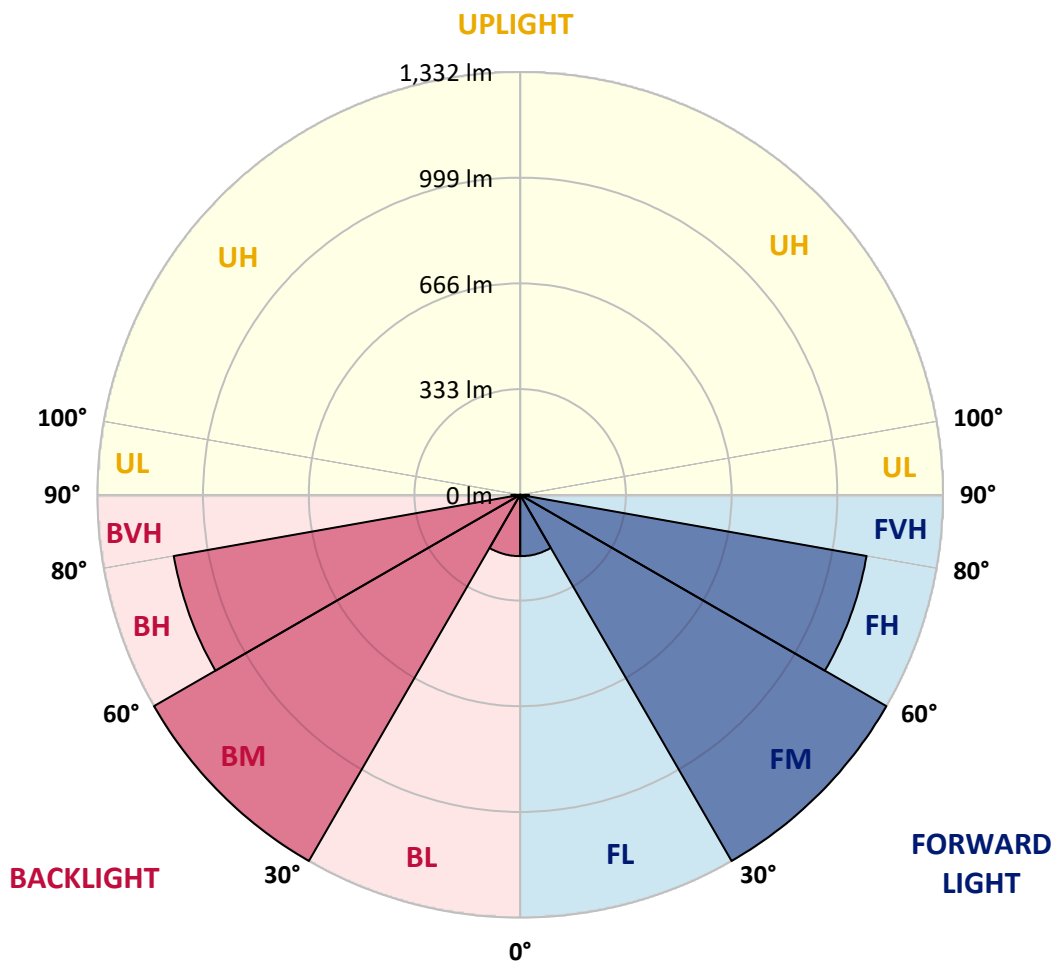
CATALOG NUMBER: AVS-F02-LED-E-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.3	3.6			
FM	(30°-60°)	1332.0	25.0			
FH	(60°-80°)	1108.1	20.8			G1/1800
FVH	(80°-90°)	27.9	0.5			G1/100
BL	(0°-30°)	193.3	3.6	B1/500		
BM	(30°-60°)	1332.0	25.0	B2/2500		
BH	(60°-80°)	1108.1	20.8	B3/2500		G1/1800
BVH	(80°-90°)	27.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P147575

CATALOG NUMBER: AVS-F02-LED-E-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	353.4	353.4	353.4	353.4	353.4	353.4	353.4	353.4	353.4	353.4	353.4
2.5°	355.5	356.7	356.3	355.9	355.9	355.9	355.5	354.7	354.4	355.0	355.4
5°	363.7	363.7	363.7	363.7	363.2	363.2	362.7	362.2	362.5	361.9	361.6
7.5°	376.4	375.5	375.6	375.3	375.3	374.7	373.9	372.8	373.1	372.8	372.6
10°	391.3	391.6	390.7	391.6	390.2	389.9	388.8	388.2	388.0	387.2	387.2
12.5°	409.2	408.3	408.4	407.9	407.3	406.7	405.1	404.8	403.6	403.1	402.3
15°	425.9	425.7	424.7	423.5	423.2	422.6	420.7	419.7	419.3	418.0	416.9
17.5°	442.7	442.3	440.8	440.2	439.2	438.3	436.7	435.0	434.2	433.7	432.3
20°	460.7	460.1	458.8	457.6	456.2	455.1	452.6	451.2	450.5	449.6	448.5
22.5°	482.9	481.9	479.6	477.7	474.7	473.6	470.3	468.4	466.9	465.9	465.3
25°	507.2	507.5	504.5	502.0	498.3	495.3	491.2	489.0	487.7	486.5	486.2
27.5°	537.4	537.7	534.9	531.4	525.8	522.5	517.1	514.3	513.5	512.3	512.1
30°	585.3	582.8	578.1	572.4	567.5	560.2	552.3	549.5	546.7	545.9	545.9
32.5°	673.4	671.9	668.1	653.9	647.3	632.3	618.3	610.4	601.2	596.9	594.1
35°	735.0	734.5	731.4	726.4	722.3	719.4	711.1	709.6	708.0	708.0	710.3
37.5°	780.3	777.1	776.5	777.4	776.3	776.8	783.4	792.5	800.2	804.0	803.5
40°	847.5	842.9	845.7	843.7	841.2	840.6	842.8	846.4	850.1	849.9	849.2
42.5°	935.3	937.5	938.7	930.7	925.4	924.0	929.2	928.1	931.8	930.4	926.8
45°	1065.7	1064.4	1062.4	1052.8	1044.6	1037.9	1039.4	1037.4	1037.7	1035.4	1032.7
47.5°	1197.3	1202.0	1194.0	1189.3	1179.9	1175.3	1179.1	1175.9	1182.2	1170.6	1165.2
50°	1325.0	1328.3	1325.6	1319.0	1319.0	1325.5	1330.2	1336.3	1345.1	1331.8	1312.0
52.5°	1429.5	1432.3	1436.5	1441.9	1455.3	1469.5	1489.3	1510.5	1527.3	1524.8	1502.2
55°	1493.4	1496.7	1503.5	1522.5	1546.7	1583.6	1628.5	1677.7	1716.3	1734.9	1718.4
57.5°	1514.8	1517.3	1536.0	1558.9	1596.5	1651.4	1726.4	1811.5	1885.5	1932.5	1925.2
60°	1509.9	1509.8	1528.9	1560.2	1613.1	1685.7	1791.9	1909.7	2023.0	2093.5	2083.1
62.5°	1457.9	1460.6	1487.9	1525.6	1589.4	1676.4	1802.9	1953.5	2089.1	2176.6	2168.1
65°	1343.9	1345.9	1375.3	1420.1	1491.4	1594.4	1732.8	1899.5	2055.0	2139.3	2123.3
67.5°	1159.8	1161.8	1185.7	1236.4	1311.7	1419.3	1568.7	1752.3	1904.5	1971.1	1923.2
70°	922.7	928.1	943.6	997.2	1054.5	1159.9	1297.4	1481.0	1624.7	1687.7	1634.8
72.5°	628.8	642.8	661.6	709.2	763.9	851.4	960.9	1115.5	1230.9	1303.8	1256.8
75°	354.2	373.9	379.8	415.8	460.9	529.9	610.1	721.0	837.3	896.6	839.8
77.5°	153.0	169.2	176.4	193.2	228.4	257.3	305.9	380.9	470.9	512.3	444.4
80°	75.4	79.2	82.3	87.5	97.4	106.7	129.9	162.7	199.6	208.9	166.2
82.5°	58.3	61.1	66.3	70.5	73.0	75.4	77.6	82.0	85.6	87.5	82.5
85°	41.0	44.6	50.4	55.1	57.8	59.7	61.6	63.0	59.7	54.5	57.2
87.5°	10.8	14.1	19.5	21.1	24.0	25.3	24.8	25.6	23.1	16.8	18.7
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: P147575

CATALOG NUMBER: AVS-F02-LED-E-U-5MQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	353.4	353.4	353.4	353.4	353.4	353.4	353.4	353.4
2.5°	355.2	354.9	355.2	355.2	355.2	355.0	354.9	355.0
5°	361.6	361.6	361.9	361.2	361.3	361.7	361.2	361.0
7.5°	372.2	372.0	372.0	371.8	372.0	371.8	371.8	371.5
10°	386.5	386.1	386.3	385.5	385.5	385.3	385.3	385.3
12.5°	402.1	401.2	401.5	400.6	399.3	399.6	399.8	399.6
15°	416.9	416.1	415.3	414.7	413.8	414.2	414.1	413.9
17.5°	432.0	430.4	430.1	429.2	429.0	429.0	429.0	429.2
20°	447.7	446.6	446.3	445.5	445.2	446.0	446.3	445.8
22.5°	464.5	463.9	464.5	463.9	464.8	465.3	465.6	465.1
25°	485.7	485.2	486.0	487.9	488.9	489.5	491.0	490.4
27.5°	513.0	512.3	514.3	517.1	518.8	521.5	522.8	523.4
30°	548.2	550.7	551.7	557.3	558.3	562.7	562.7	564.7
32.5°	599.4	603.9	612.2	620.8	632.5	641.1	641.1	645.6
35°	711.6	713.6	719.8	721.2	723.7	726.4	723.6	725.9
37.5°	797.7	789.2	783.2	774.6	769.3	769.3	769.9	769.4
40°	841.8	838.4	835.6	828.6	827.5	827.2	827.2	828.3
42.5°	920.4	912.5	908.1	902.0	900.1	899.6	899.3	899.8
45°	1022.8	1009.9	998.1	991.9	986.7	981.8	983.4	983.5
47.5°	1142.0	1121.9	1102.6	1092.2	1083.1	1079.0	1076.2	1075.3
50°	1287.0	1258.9	1234.1	1214.6	1201.5	1201.1	1202.5	1193.7
52.5°	1464.7	1420.5	1389.6	1363.2	1350.9	1349.4	1345.0	1340.1
55°	1661.8	1609.2	1558.3	1529.9	1513.8	1504.9	1499.7	1491.4
57.5°	1864.9	1794.1	1720.9	1675.5	1646.9	1627.2	1616.6	1612.0
60°	2021.5	1924.9	1828.2	1755.3	1707.8	1678.3	1660.1	1652.7
62.5°	2083.1	1952.1	1828.2	1732.4	1663.6	1623.0	1598.5	1587.8
65°	2009.6	1854.4	1713.6	1607.9	1531.0	1485.7	1459.0	1447.5
67.5°	1804.4	1667.4	1514.0	1408.9	1329.9	1285.1	1256.2	1247.7
70°	1512.6	1372.6	1226.1	1132.3	1061.9	1025.3	995.2	991.7
72.5°	1136.7	1016.0	890.5	812.8	756.2	695.6	680.2	688.0
75°	728.7	615.5	503.8	434.0	382.2	324.5	302.2	307.7
77.5°	345.1	267.2	192.8	149.1	125.2	107.0	102.4	99.6
80°	128.0	103.8	91.6	86.9	83.7	80.6	78.3	76.0
82.5°	82.8	80.9	78.4	77.5	75.1	71.3	64.1	61.1
85°	62.0	62.0	58.7	58.9	57.0	52.0	45.4	41.9
87.5°	18.1	16.2	14.9	13.8	13.5	12.0	8.8	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)