

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: P507672

Luminaire Tested: **VERD-S-CA1-70-727-U-T2-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-70-727-U-T2-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 1330mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7725 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

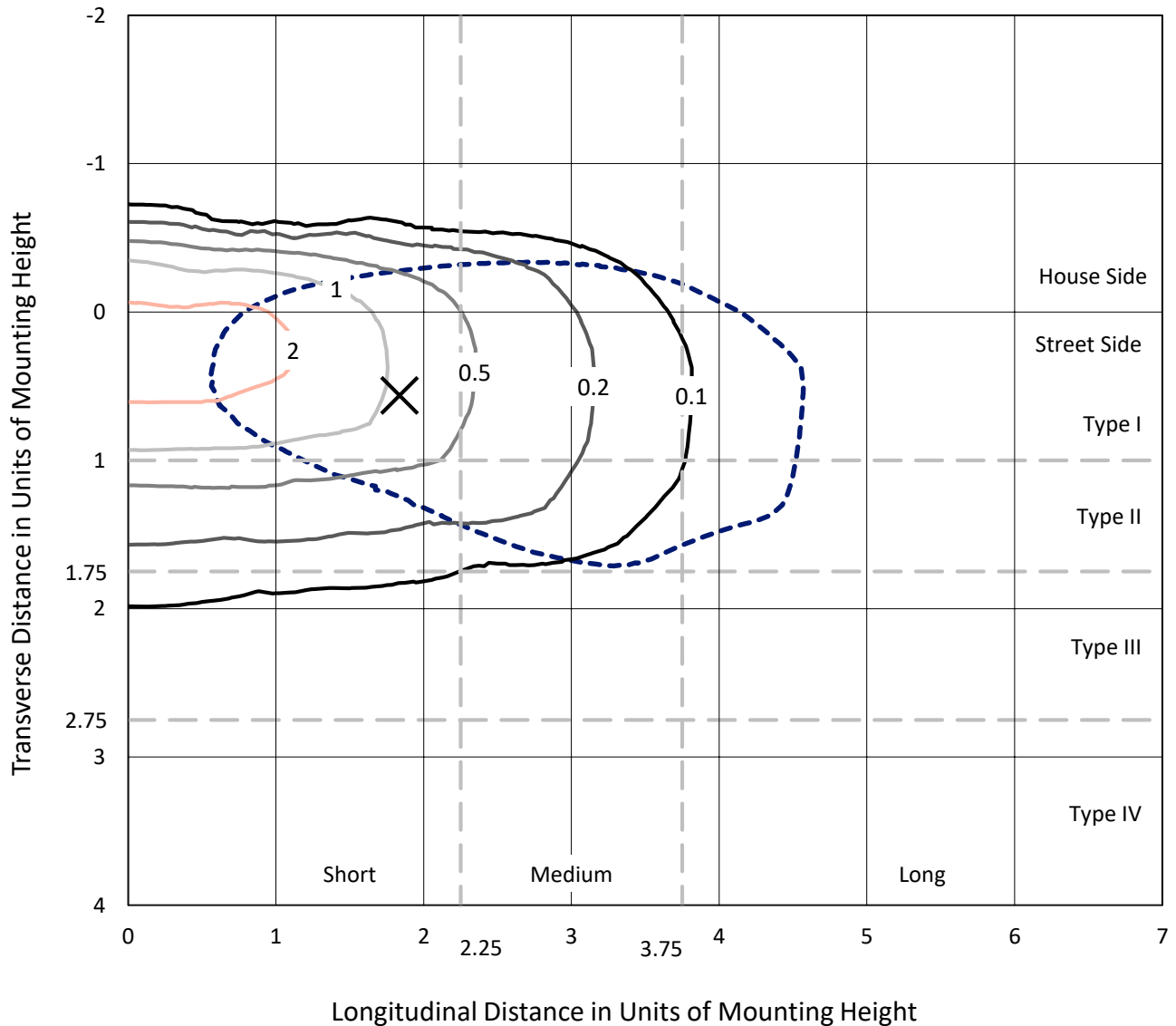
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507672
 CATALOG NUMBER: VERD-S-CA1-70-727-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

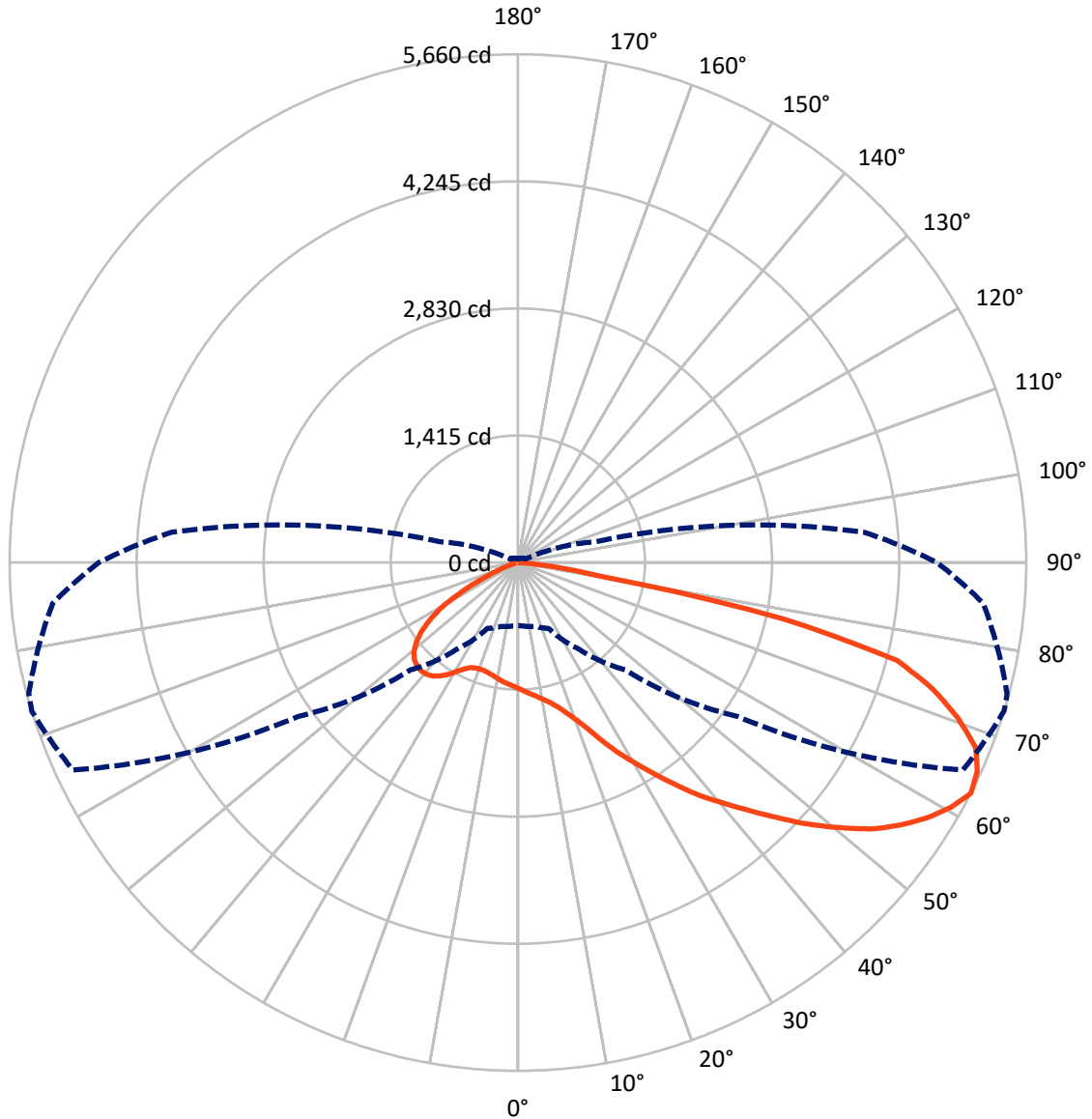
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

REPORT NUMBER: P507672
CATALOG NUMBER: VERD-S-CA1-70-727-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P507672

CATALOG NUMBER: VERD-S-CA1-70-727-U-T2-HSS

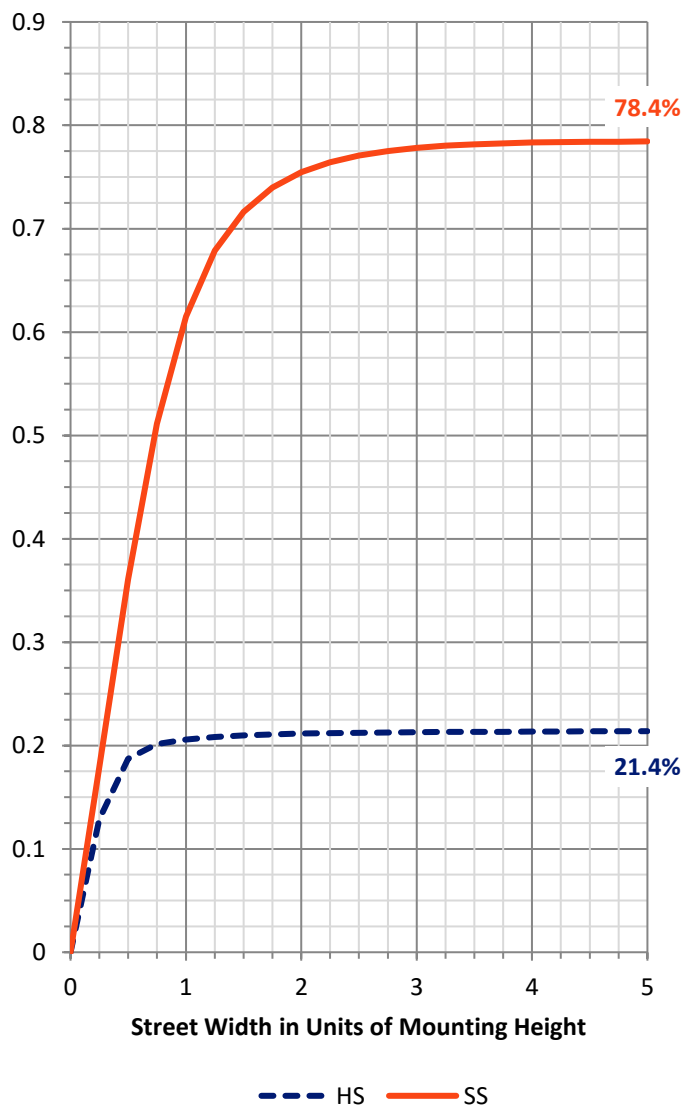
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1673.3	0.0	1673.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6051.7	0.0	6051.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	7725.0	0.0	7725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	1.7
10°-20°	404.0	5.2
20°-30°	698.8	9.0
30°-40°	1026.3	13.3
40°-50°	1334.1	17.3
50°-60°	1546.7	20.0
60°-70°	1556.6	20.2
70°-80°	948.6	12.3
80°-90°	75.6	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°	7725.0	100.0
0°-180°	7725.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507672

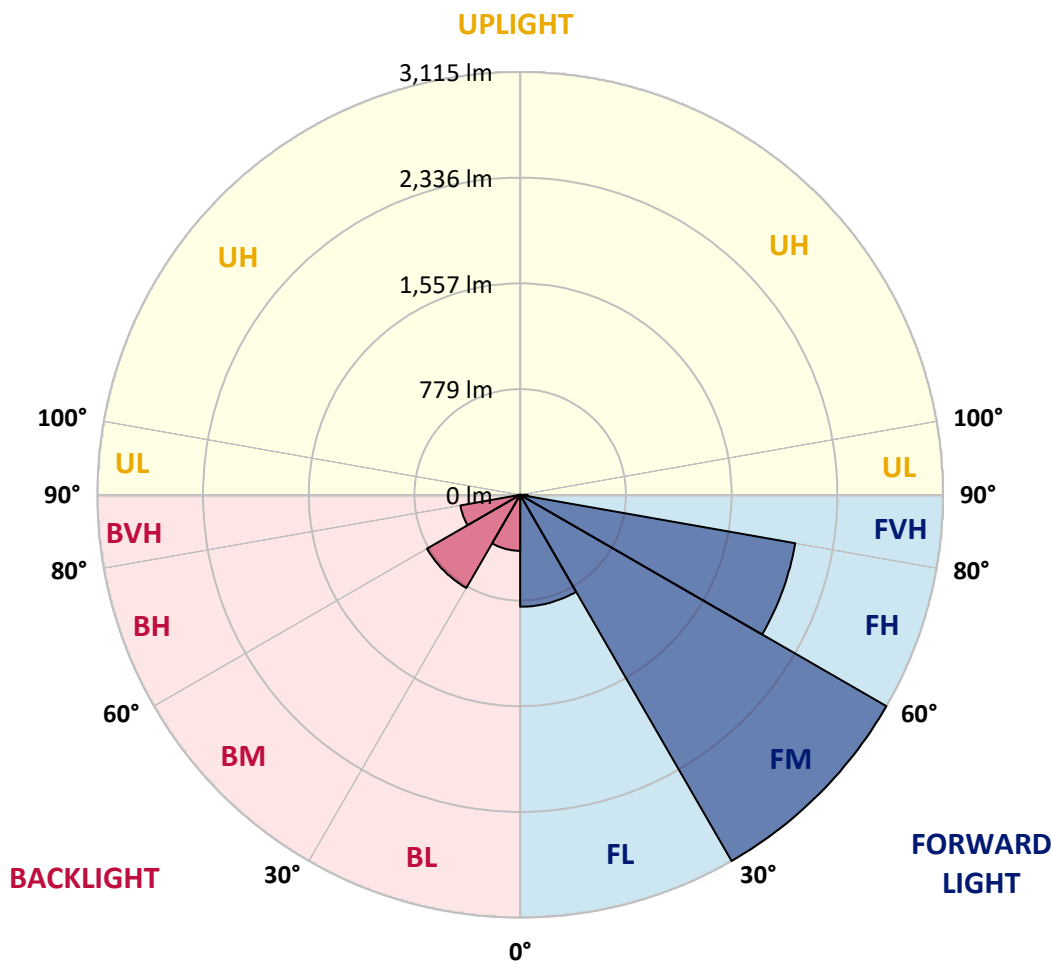
CATALOG NUMBER: VERD-S-CA1-70-727-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	824.6	10.7			
FM (30°-60°)	3114.5	40.3			
FH (60°-80°)	2057.8	26.6			G2/5000
FVH (80°-90°)	54.9	0.7			G1/100
BL (0°-30°)	412.5	5.3	B1/500		
BM (30°-60°)	792.6	10.3	B1/1000		
BH (60°-80°)	447.5	5.8	B1/500		G1/500
BVH (80°-90°)	20.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P507672

CATALOG NUMBER: VERD-S-CA1-70-727-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3
2.5°	1497.7	1497.7	1495.3	1492.9	1483.5	1474.1	1459.9	1448.1	1436.3	1431.6	1412.7
5°	1584.9	1584.9	1582.6	1573.1	1561.3	1544.8	1521.2	1490.6	1469.3	1467.0	1434.0
7.5°	1658.0	1655.7	1653.3	1648.6	1636.8	1615.6	1580.2	1540.1	1504.7	1495.3	1455.2
10°	1728.8	1731.1	1726.4	1714.6	1700.5	1674.5	1639.2	1592.0	1549.5	1535.4	1474.1
12.5°	1804.3	1801.9	1794.8	1780.7	1761.8	1740.6	1702.8	1655.7	1599.1	1584.9	1504.7
15°	1867.9	1870.3	1858.5	1849.1	1830.2	1806.6	1773.6	1726.4	1669.8	1653.3	1549.5
17.5°	1924.5	1924.5	1922.2	1917.5	1903.3	1886.8	1853.8	1820.8	1761.8	1735.9	1617.9
20°	1967.0	1969.4	1974.1	1983.5	1985.9	1971.7	1955.2	1931.6	1875.0	1849.1	1702.8
22.5°	2004.7	2009.4	2028.3	2056.6	2080.2	2080.2	2077.8	2075.5	2018.9	2002.4	1827.8
25°	2014.2	2021.2	2063.7	2125.0	2162.7	2193.4	2235.9	2252.4	2209.9	2181.6	1990.6
27.5°	2028.3	2035.4	2082.6	2155.7	2250.0	2318.4	2393.9	2436.3	2405.7	2377.4	2176.9
30°	2016.5	2026.0	2077.8	2181.6	2306.6	2450.5	2544.8	2608.5	2599.1	2582.6	2370.3
32.5°	1985.9	1995.3	2056.6	2184.0	2375.0	2584.9	2691.1	2790.1	2816.1	2801.9	2573.1
35°	1924.5	1934.0	2009.4	2165.1	2408.0	2686.3	2837.3	2983.5	3042.5	3033.0	2794.8
37.5°	1846.7	1846.7	1936.3	2108.5	2419.8	2764.2	2967.0	3176.9	3292.5	3278.3	3018.9
40°	1717.0	1740.6	1851.4	2047.2	2401.0	2820.8	3092.0	3377.4	3521.2	3514.2	3261.8
42.5°	1587.3	1606.1	1712.3	1941.0	2356.1	2853.8	3195.8	3587.3	3773.6	3768.9	3495.3
45°	1471.7	1485.9	1573.1	1794.8	2261.8	2863.2	3294.8	3811.3	4051.9	4042.5	3733.5
47.5°	1323.1	1351.4	1462.3	1658.0	2132.1	2834.9	3386.8	4092.0	4353.8	4344.4	3990.6
50°	1002.4	1021.2	1252.4	1547.2	1964.6	2764.2	3462.3	4368.0	4639.2	4620.3	4224.1
52.5°	910.4	922.2	995.3	1410.4	1809.0	2636.8	3509.5	4698.1	4929.3	4898.6	4464.6
55°	851.4	860.9	903.3	1129.7	1672.2	2422.2	3523.6	5009.5	5162.8	5132.1	4686.3
57.5°	799.5	804.3	846.7	962.3	1509.4	2151.0	3474.1	5240.6	5368.0	5334.9	4877.4
60°	745.3	752.4	792.5	877.4	1313.7	1901.0	3320.8	5424.6	5537.8	5509.5	5044.8
62.5°	700.5	709.9	735.9	809.0	1172.2	1688.7	2985.9	5467.0	5660.4	5639.2	5200.5
65°	646.2	653.3	686.3	747.6	1025.9	1556.6	2646.2	5342.0	5620.3	5646.3	5287.8
67.5°	582.6	589.6	617.9	665.1	860.9	1417.5	2349.1	5165.1	5497.7	5533.1	5224.1
70°	504.7	509.4	537.7	582.6	714.6	1235.9	2037.7	4905.7	5200.5	5226.4	4971.7
72.5°	419.8	419.8	441.0	492.9	587.3	1023.6	1634.4	4358.5	4837.3	4901.0	4544.8
75°	176.9	186.3	224.1	271.2	375.0	747.6	1117.9	3356.2	4363.2	4417.5	4014.2
77.5°	35.4	37.7	42.5	63.7	99.1	325.5	346.7	1464.6	3028.3	3063.7	2931.6
80°	28.3	28.3	30.7	47.2	66.0	150.9	113.2	478.8	943.4	1214.6	1566.0
82.5°	9.4	11.8	16.5	25.9	33.0	33.0	37.7	240.6	467.0	502.4	632.1
85°	4.7	4.7	7.1	9.4	9.4	9.4	9.4	42.5	80.2	96.7	134.4
87.5°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.1	7.1	9.4
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: P507672

CATALOG NUMBER: VERD-S-CA1-70-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3
2.5°	1403.3	1396.2	1379.7	1367.9	1351.4	1337.3	1320.8	1311.3	1306.6	1304.3	1299.5
5°	1415.1	1396.2	1363.2	1327.8	1297.2	1273.6	1240.6	1224.1	1214.6	1209.9	1207.6
7.5°	1429.3	1405.7	1349.1	1294.8	1240.6	1200.5	1160.4	1134.4	1122.6	1120.3	1117.9
10°	1438.7	1401.0	1325.5	1266.5	1195.8	1132.1	1084.9	1054.3	1037.7	1035.4	1033.0
12.5°	1457.6	1408.0	1306.6	1221.7	1148.6	1066.0	1016.5	981.1	964.6	950.5	950.5
15°	1488.2	1424.5	1297.2	1184.0	1087.3	1007.1	943.4	905.7	893.9	875.0	870.3
17.5°	1540.1	1455.2	1290.1	1146.2	1030.7	950.5	875.0	834.9	827.8	811.3	801.9
20°	1603.8	1500.0	1294.8	1110.9	971.7	879.7	804.3	764.2	740.6	726.4	721.7
22.5°	1705.2	1566.0	1311.3	1084.9	919.8	816.0	735.9	672.2	620.3	601.4	601.4
25°	1849.1	1679.3	1339.6	1063.7	867.9	754.7	655.7	547.2	478.8	452.8	445.8
27.5°	2011.8	1823.1	1405.7	1044.8	825.5	686.3	540.1	419.8	346.7	323.1	323.1
30°	2198.1	1974.1	1485.9	1033.0	773.6	582.6	408.0	306.6	247.6	221.7	219.3
32.5°	2382.1	2129.7	1580.2	1023.6	719.3	455.2	294.8	224.1	174.5	155.7	158.0
35°	2566.1	2283.0	1660.4	1023.6	629.7	327.8	209.9	155.7	125.0	115.6	115.6
37.5°	2773.6	2455.2	1724.1	1009.4	495.3	233.5	143.9	113.2	103.8	99.1	99.1
40°	2988.2	2615.6	1766.5	978.8	353.8	160.4	101.4	99.1	94.3	87.3	84.9
42.5°	3188.7	2799.5	1792.5	919.8	231.1	106.1	89.6	92.0	89.6	77.8	75.5
45°	3401.0	2948.1	1806.6	801.9	153.3	87.3	80.2	84.9	87.3	77.8	75.5
47.5°	3613.2	3110.9	1816.0	625.0	101.4	84.9	75.5	82.5	84.9	75.5	73.1
50°	3837.3	3259.5	1801.9	400.9	89.6	80.2	73.1	75.5	80.2	75.5	73.1
52.5°	4033.0	3393.9	1735.9	224.1	87.3	77.8	68.4	70.8	77.8	73.1	73.1
55°	4233.5	3526.0	1613.2	132.1	84.9	73.1	68.4	70.8	73.1	68.4	70.8
57.5°	4415.1	3653.3	1429.3	108.5	84.9	70.8	70.8	66.0	66.0	61.3	61.3
60°	4554.3	3768.9	1209.9	101.4	80.2	73.1	66.0	61.3	56.6	51.9	51.9
62.5°	4665.1	3867.9	898.6	94.3	77.8	70.8	61.3	54.2	47.2	42.5	42.5
65°	4726.4	3889.2	634.4	84.9	73.1	68.4	56.6	47.2	37.7	35.4	35.4
67.5°	4655.7	3778.3	386.8	80.2	68.4	66.0	54.2	42.5	33.0	30.7	30.7
70°	4384.5	3481.2	217.0	73.1	61.3	59.0	49.5	37.7	30.7	25.9	25.9
72.5°	3936.3	3044.8	108.5	61.3	51.9	51.9	44.8	33.0	28.3	23.6	23.6
75°	3325.5	2497.7	77.8	44.8	42.5	42.5	37.7	30.7	25.9	21.2	21.2
77.5°	2436.3	1646.2	63.7	37.7	30.7	30.7	33.0	28.3	23.6	18.9	18.9
80°	1261.8	816.0	54.2	28.3	25.9	23.6	23.6	23.6	18.9	16.5	16.5
82.5°	559.0	313.7	35.4	21.2	21.2	18.9	18.9	18.9	16.5	14.2	14.2
85°	108.5	59.0	18.9	16.5	14.2	14.2	14.2	11.8	11.8	11.8	11.8
87.5°	9.4	9.4	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)