

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: P509592

Luminaire Tested: **VERD-G-CA2-130-727-U-T4-HSS**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-727-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14139 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

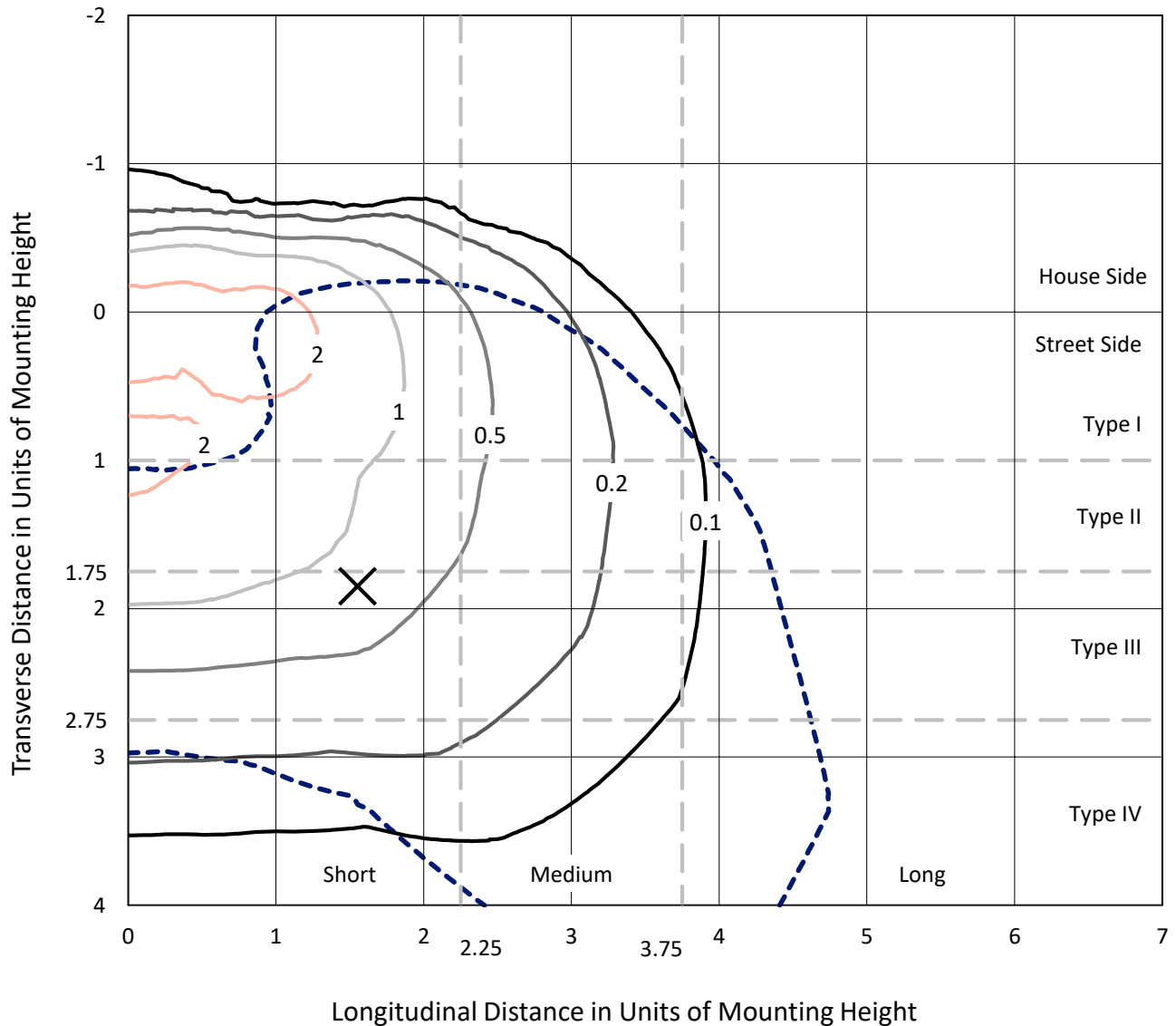
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509592
 CATALOG NUMBER: VERD-G-CA2-130-727-U-T4-HSS

Iso-Footcandle Lines of Horizontal Illumination

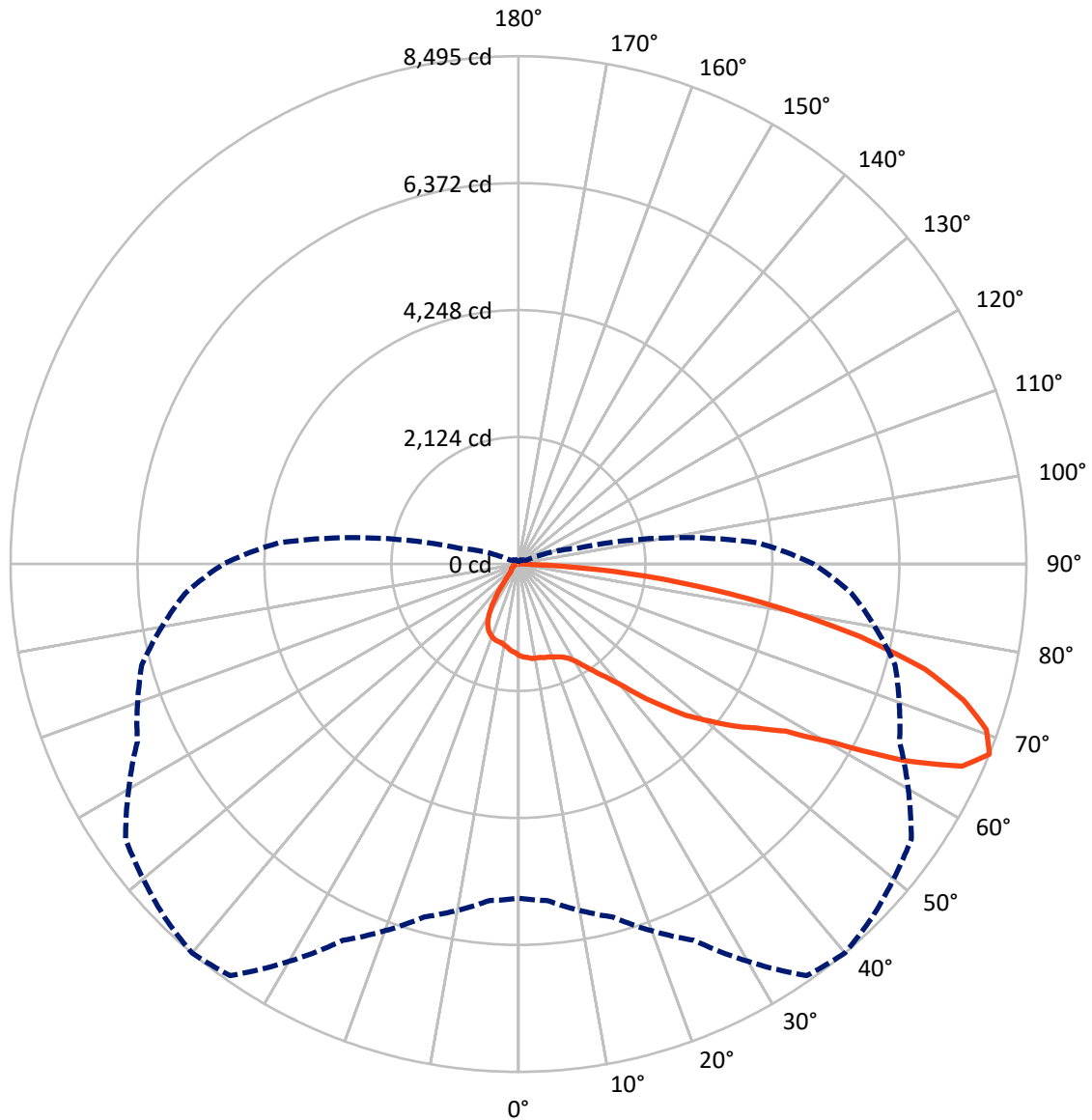
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P509592
CATALOG NUMBER: VERD-G-CA2-130-727-U-T4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P509592

CATALOG NUMBER: VERD-G-CA2-130-727-U-T4-HSS

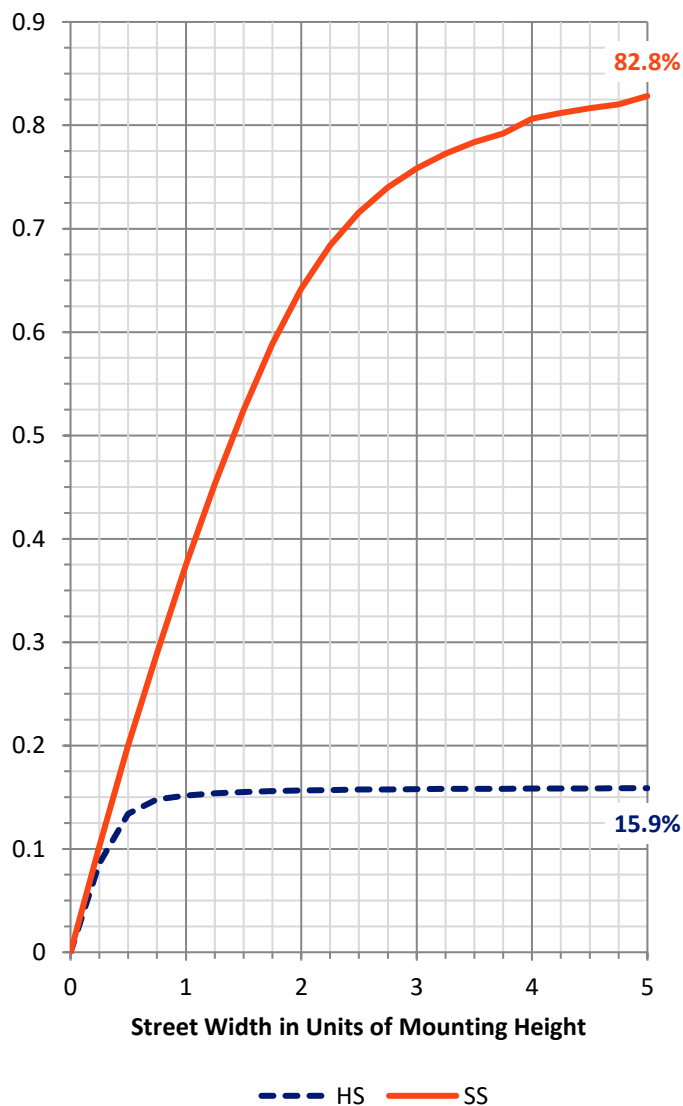
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2269.1	0.0	2269.1
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	11869.9	0.0	11869.9
	% Fixture	84.0	0.0	84.0
Total	Lumens	14139.0	0.0	14139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	1.0
10°-20°	429.6	3.0
20°-30°	714.7	5.1
30°-40°	1123.8	7.9
40°-50°	1945.8	13.8
50°-60°	2876.3	20.3
60°-70°	3739.4	26.4
70°-80°	2676.5	18.9
80°-90°	488.1	3.5
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°	14139.0	100.0
0°-180°	14139.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509592

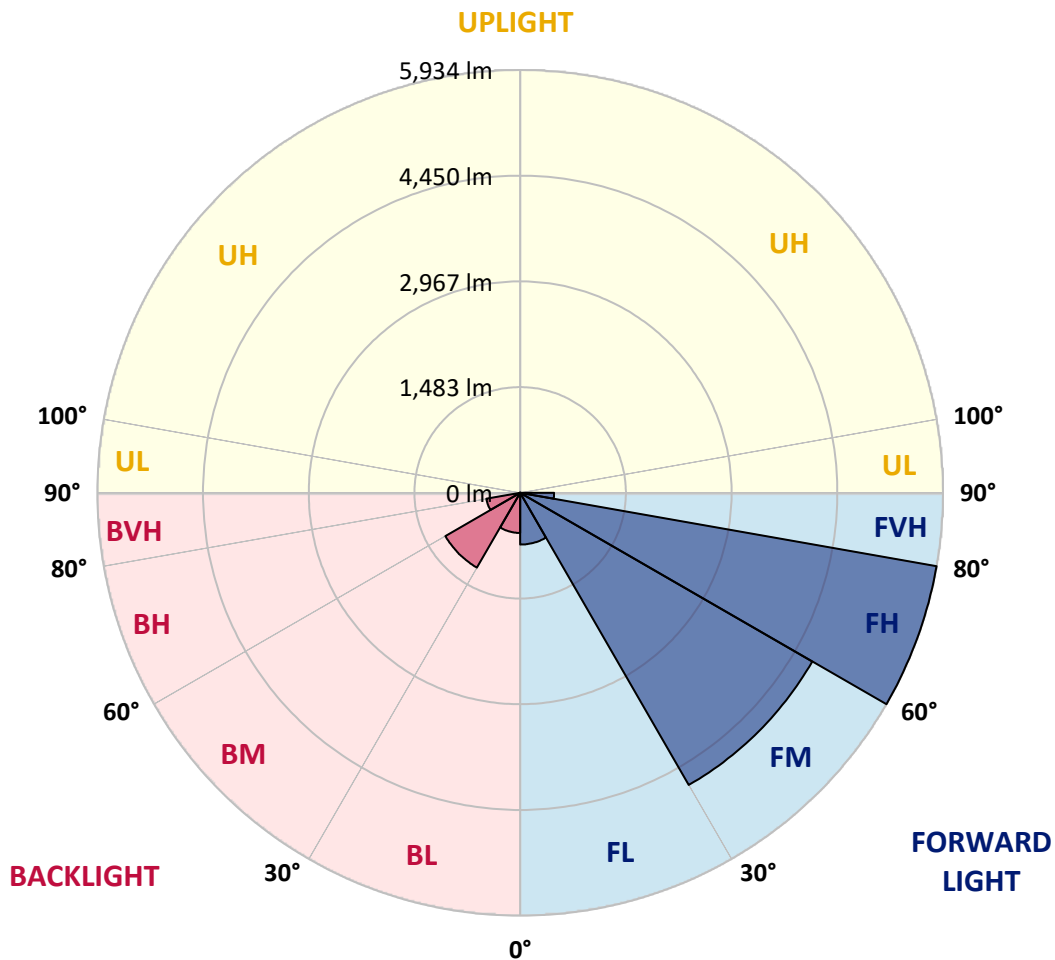
CATALOG NUMBER: VERD-G-CA2-130-727-U-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	726.2	5.1			
FM (30°-60°)	4733.8	33.5			
FH (60°-80°)	5933.8	42.0			G3/7500
FVH (80°-90°)	476.1	3.4			G3/500
BL (0°-30°)	562.9	4.0	B2/1000		
BM (30°-60°)	1212.1	8.6	B2/2500		
BH (60°-80°)	482.1	3.4	B1/500		G1/500
BVH (80°-90°)	12.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P509592

CATALOG NUMBER: VERD-G-CA2-130-727-U-T4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5
2.5°	1592.4	1591.4	1580.9	1575.6	1560.9	1555.7	1556.7	1550.4	1535.7	1537.8	1523.2
5°	1594.5	1601.9	1586.1	1581.9	1576.7	1570.4	1577.7	1569.3	1556.7	1560.9	1545.2
7.5°	1604.0	1607.1	1599.8	1595.6	1583.0	1595.6	1594.5	1587.2	1578.8	1571.4	1565.1
10°	1607.1	1604.0	1589.3	1586.1	1586.1	1598.7	1604.0	1607.1	1607.1	1595.6	1591.4
12.5°	1591.4	1589.3	1574.6	1580.9	1594.5	1602.9	1619.7	1630.2	1647.0	1634.4	1628.1
15°	1567.2	1572.5	1578.8	1580.9	1606.1	1625.0	1640.7	1659.6	1688.0	1688.0	1685.9
17.5°	1574.6	1585.1	1592.4	1602.9	1627.1	1633.4	1655.4	1685.9	1733.1	1736.2	1741.5
20°	1611.3	1611.3	1613.4	1620.8	1641.8	1660.7	1679.6	1718.4	1773.0	1790.8	1796.1
22.5°	1651.2	1649.1	1658.6	1657.5	1674.3	1686.9	1711.1	1744.6	1812.9	1846.5	1860.1
25°	1683.8	1690.1	1698.5	1688.0	1720.5	1725.7	1744.6	1785.6	1858.0	1917.8	1947.2
27.5°	1739.4	1743.6	1741.5	1746.7	1779.3	1782.4	1800.3	1859.1	1926.2	2008.1	2072.2
30°	1834.9	1820.2	1822.3	1833.9	1881.1	1887.4	1906.3	1963.0	2016.5	2124.6	2225.4
32.5°	1966.1	1966.1	1943.0	1965.1	2019.7	2036.5	2064.8	2149.8	2202.3	2260.1	2425.9
35°	2217.0	2217.0	2200.2	2142.5	2169.8	2211.8	2264.3	2381.8	2543.5	2732.4	2908.8
37.5°	2632.7	2626.4	2560.3	2456.4	2397.6	2412.3	2463.7	2653.7	2916.1	3377.0	3512.4
40°	3129.2	3111.4	2987.5	2842.7	2692.5	2667.4	2691.5	2929.8	3303.5	3986.9	4038.3
42.5°	3570.1	3569.1	3387.5	3264.6	3072.5	3030.6	3002.2	3209.0	3691.9	4429.8	4447.7
45°	3991.1	3980.6	3804.2	3670.9	3495.6	3388.5	3381.2	3526.0	4100.2	4828.7	4753.2
47.5°	4365.8	4381.6	4184.2	4056.1	3861.9	3788.5	3729.7	3853.5	4476.0	5168.8	5012.4
50°	4797.2	4825.6	4530.6	4390.0	4193.7	4121.2	4153.8	4245.1	4850.8	5447.0	5243.4
52.5°	5342.1	5251.8	4958.9	4717.5	4534.8	4499.1	4506.5	4633.5	5284.3	5674.8	5404.0
55°	5983.4	5850.1	5556.2	5179.3	4881.2	4847.6	4844.5	4973.6	5685.3	5887.9	5527.9
57.5°	6224.9	6294.2	6178.7	5900.5	5373.5	5274.9	5198.2	5317.9	6045.4	6123.0	5658.0
60°	6782.3	6856.8	6771.8	6593.3	6414.9	6071.6	5735.7	5724.2	6381.3	6347.7	5712.6
62.5°	6844.2	6820.1	7198.0	7260.9	7367.0	7233.7	6984.9	6262.7	6684.7	6462.1	5755.6
65°	6497.8	6500.9	7008.0	7354.4	8087.1	8155.3	8001.0	7119.2	6912.4	6507.2	5725.2
67.5°	5590.8	5652.8	6114.6	6945.0	8406.2	8495.4	8365.3	8023.0	7035.3	6523.0	5592.9
70°	4804.6	4806.7	5243.4	6256.4	8238.2	8305.4	8245.6	8081.8	6988.0	6398.1	5233.9
72.5°	3781.1	3769.6	4152.7	5176.2	7645.1	7787.9	7755.4	7867.7	6814.8	5946.7	4452.9
75°	2730.3	2753.4	3141.8	3986.9	6576.5	7019.5	7177.0	7519.2	6197.6	5050.2	3264.6
77.5°	1911.5	1934.6	2307.3	3028.5	5307.4	5841.7	6094.7	6394.9	5022.9	3743.3	1673.3
80°	1250.2	1271.2	1591.4	2274.8	3956.4	4412.0	4602.0	4422.5	2949.7	1572.5	183.7
82.5°	726.4	767.3	1010.9	1560.9	2772.3	2988.6	2999.1	2327.2	1102.2	140.7	86.1
85°	353.8	380.0	604.6	925.9	1516.9	1594.5	1479.1	866.0	257.2	67.2	49.3
87.5°	52.5	69.3	238.3	349.6	257.2	211.0	127.0	29.4	16.8	8.4	6.3
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: P509592
 CATALOG NUMBER: VERD-G-CA2-130-727-U-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5	1530.5
2.5°	1514.8	1513.7	1516.9	1503.2	1504.3	1487.5	1481.2	1478.0	1492.7	1490.6	1501.1
5°	1533.6	1523.2	1522.1	1488.5	1485.4	1464.4	1451.8	1432.9	1447.6	1444.4	1444.4
7.5°	1545.2	1534.7	1528.4	1488.5	1461.2	1424.5	1403.5	1388.8	1387.7	1384.6	1385.6
10°	1564.1	1558.8	1525.3	1481.2	1444.4	1397.2	1357.3	1334.2	1323.7	1324.8	1317.4
12.5°	1606.1	1595.6	1550.4	1498.0	1439.2	1374.1	1322.7	1281.7	1260.7	1256.5	1245.0
15°	1665.9	1654.4	1597.7	1537.8	1452.8	1376.2	1299.6	1227.1	1191.4	1176.7	1166.2
17.5°	1736.2	1718.4	1653.3	1585.1	1481.2	1374.1	1277.5	1179.9	1111.7	1072.8	1069.7
20°	1791.9	1783.5	1709.0	1635.5	1499.0	1360.4	1240.8	1111.7	1009.8	938.5	923.8
22.5°	1865.4	1866.4	1783.5	1673.3	1513.7	1337.3	1183.0	1016.1	877.6	782.0	765.2
25°	1971.4	1955.6	1862.2	1703.7	1516.9	1311.1	1104.3	896.5	715.9	608.8	589.9
27.5°	2098.4	2075.3	1926.2	1719.4	1503.2	1258.6	999.3	740.1	529.1	436.7	422.0
30°	2232.8	2178.2	1978.7	1725.7	1461.2	1173.6	850.3	540.6	374.8	309.7	303.4
32.5°	2404.9	2325.1	2023.9	1704.8	1397.2	1044.5	659.2	370.6	259.3	224.6	226.7
35°	2757.6	2562.4	2094.2	1681.7	1306.9	882.8	460.8	245.6	200.5	196.3	197.3
37.5°	3290.9	2981.2	2218.1	1648.1	1172.5	675.0	296.0	190.0	191.0	191.0	191.0
40°	3806.3	3438.9	2408.1	1581.9	1007.7	472.4	195.2	179.5	184.8	183.7	184.8
42.5°	4173.7	3779.0	2607.5	1501.1	817.7	299.2	175.3	169.0	172.2	171.1	174.3
45°	4471.8	4070.8	2789.1	1386.7	612.0	195.2	172.2	160.6	157.5	156.4	159.6
47.5°	4692.3	4262.9	2919.3	1243.9	408.3	168.0	164.8	148.0	143.8	143.8	144.9
50°	4906.4	4447.7	2958.1	1081.2	251.9	163.8	155.4	137.5	131.2	129.1	131.2
52.5°	5055.5	4510.7	2966.5	897.5	169.0	159.6	143.8	124.9	117.6	116.5	117.6
55°	5182.5	4639.8	2898.3	668.7	151.2	150.1	133.3	112.3	103.9	108.1	110.2
57.5°	5214.0	4652.4	2761.8	441.9	150.1	137.5	121.8	100.8	94.5	98.7	99.7
60°	5293.8	4600.9	2591.8	271.9	147.0	122.8	108.1	89.2	85.0	86.1	88.2
62.5°	5225.5	4572.6	2301.0	190.0	135.4	112.3	100.8	81.9	74.5	73.5	73.5
65°	5156.3	4405.7	1759.3	157.5	120.7	105.0	91.3	72.4	64.0	59.8	59.8
67.5°	4935.8	4032.0	1004.6	145.9	109.2	96.6	82.9	66.1	55.6	50.4	48.3
70°	4380.5	3230.0	309.7	133.3	110.2	90.3	76.6	57.7	48.3	40.9	39.9
72.5°	3430.5	2019.7	144.9	117.6	113.4	84.0	71.4	53.5	43.0	34.6	33.6
75°	2018.6	483.9	118.6	87.1	96.6	89.2	70.3	51.4	37.8	28.3	27.3
77.5°	438.8	117.6	106.0	58.8	72.4	86.1	67.2	45.1	33.6	22.0	21.0
80°	106.0	92.4	96.6	45.1	48.3	59.8	54.6	38.8	30.4	17.8	16.8
82.5°	71.4	69.3	85.0	28.3	24.1	22.0	23.1	24.1	25.2	13.6	12.6
85°	47.2	59.8	45.1	15.7	13.6	11.5	11.5	10.5	14.7	8.4	8.4
87.5°	7.3	6.3	7.3	6.3	6.3	5.2	4.2	4.2	3.1	4.2	4.2
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)