

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: P509593

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

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-6)
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
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LEDS AND TYPE IV OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15798 lumens
Efficiency: N/A
Efficacy: 118.0 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

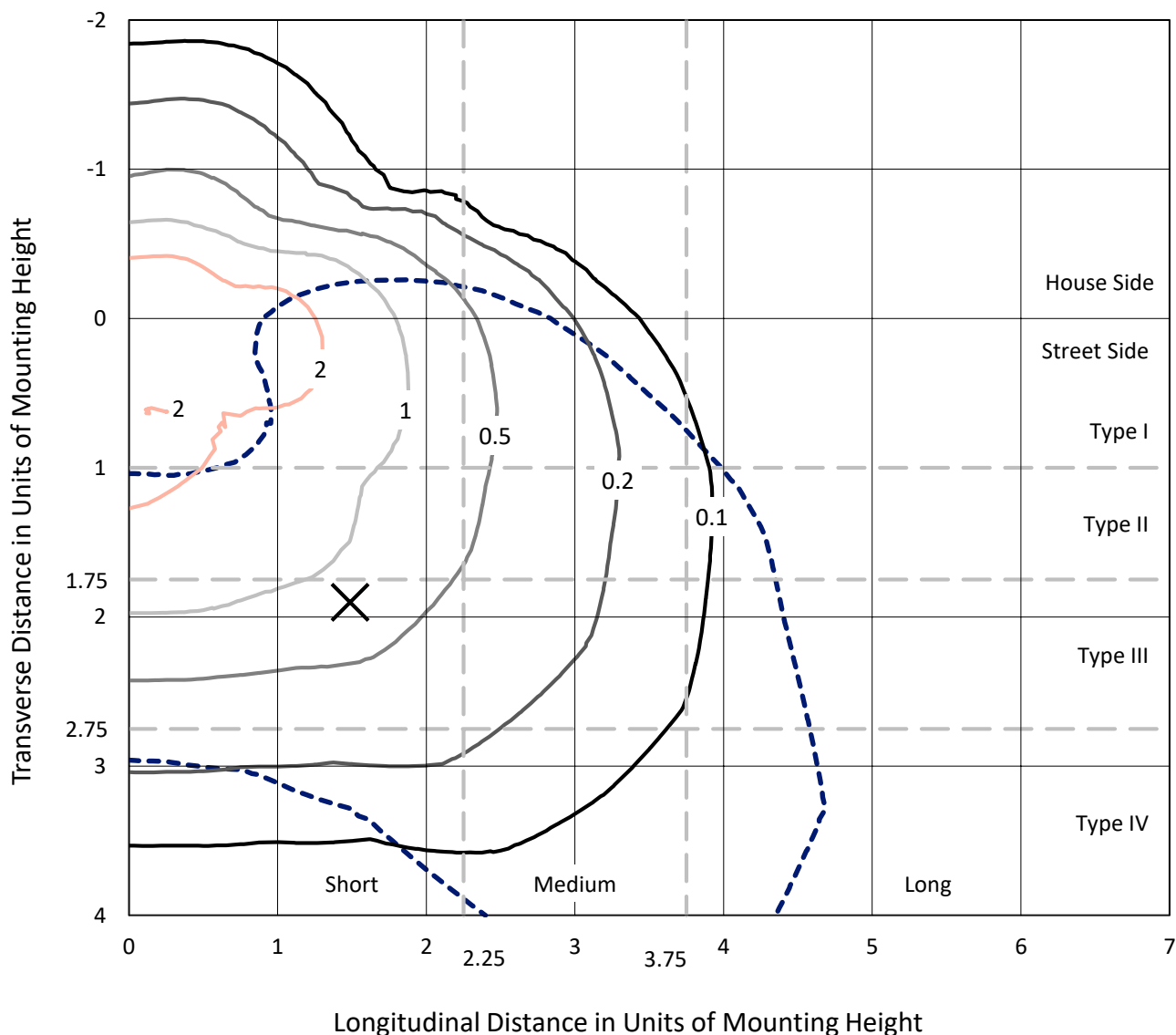
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509593
 CATALOG NUMBER: VERD-G-CA2-130-727-U-T4

Iso-Footcandle Lines of Horizontal Illumination

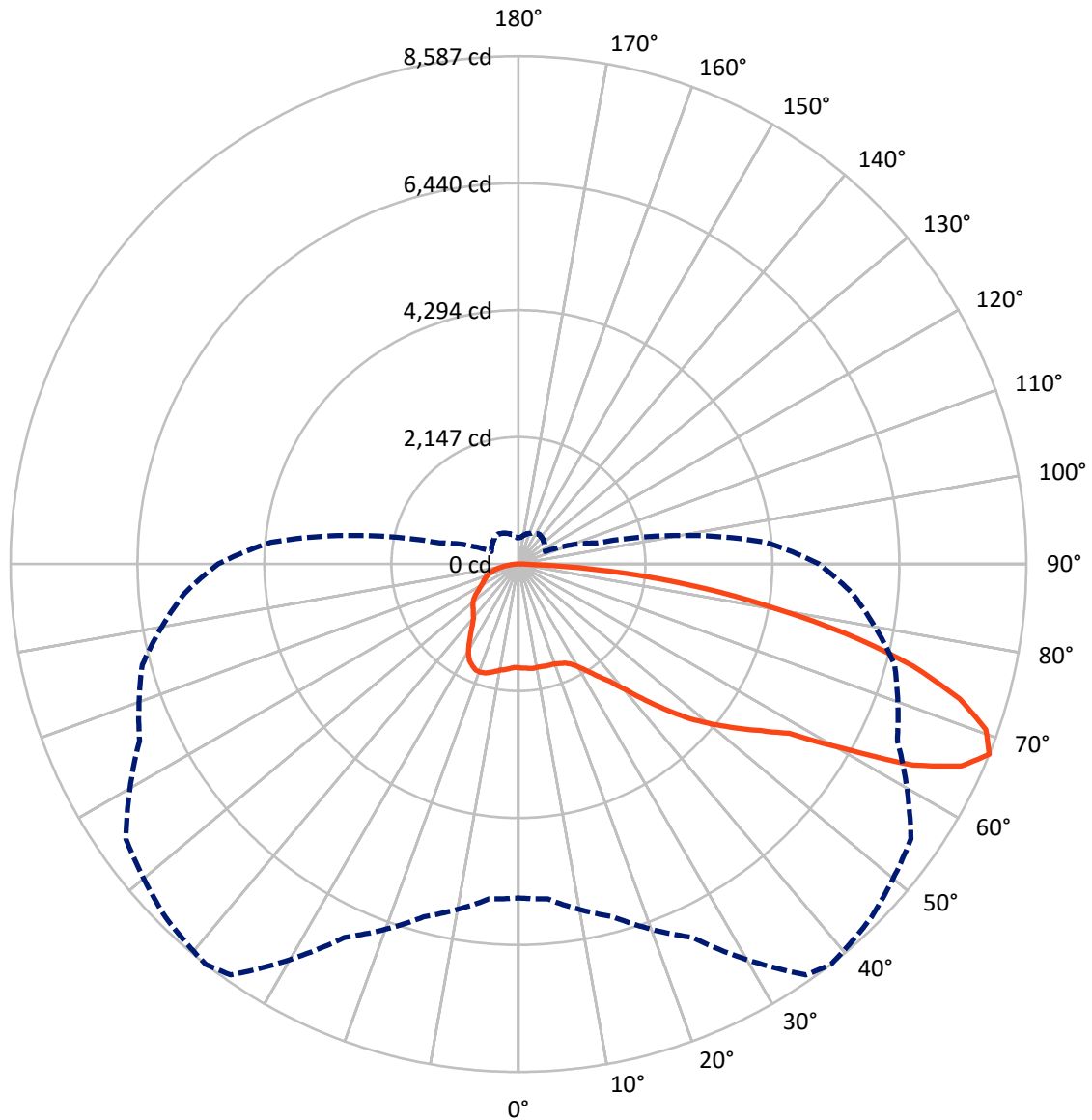
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

REPORT NUMBER: P509593
CATALOG NUMBER: VERD-G-CA2-130-727-U-T4

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P509593

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3665.6	0.0	3665.6
	% Fixture	23.2	0.0	23.2
Street Side	Lumens	12132.4	0.0	12132.4
	% Fixture	76.8	0.0	76.8
Total	Lumens	15798.0	0.0	15798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	1.1
10°-20°	525.2	3.3
20°-30°	890.1	5.6
30°-40°	1364.1	8.6
40°-50°	2247.7	14.2
50°-60°	3212.6	20.3
60°-70°	4002.0	25.3
70°-80°	2851.9	18.1
80°-90°	534.2	3.4
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°	15798.0	100.0
0°-180°	15798.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509593

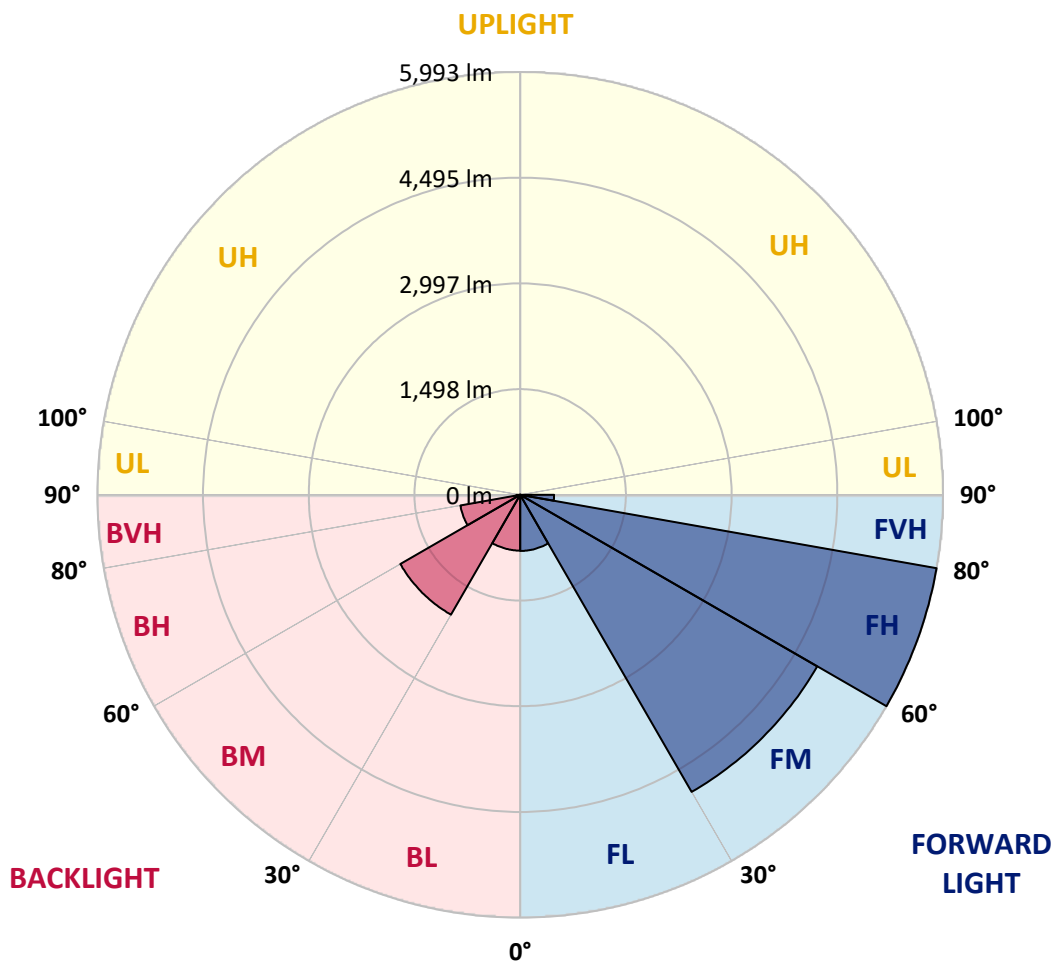
CATALOG NUMBER: VERD-G-CA2-130-727-U-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	795.2	5.0			
FM	(30°-60°)	4862.2	30.8			
FH	(60°-80°)	5993.4	37.9			G3/7500
FVH	(80°-90°)	481.6	3.0			G3/500
BL	(0°-30°)	790.4	5.0	B2/1000		
BM	(30°-60°)	1962.1	12.4	B2/2500		
BH	(60°-80°)	860.5	5.4	B2/1000		G2/1000
BVH	(80°-90°)	52.6	0.3			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: P509593

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2
2.5°	1787.7	1795.1	1781.4	1779.3	1770.9	1760.4	1762.5	1754.1	1743.6	1747.8	1749.9
5°	1798.2	1798.2	1787.7	1777.2	1773.0	1770.9	1773.0	1763.6	1761.5	1768.8	1762.5
7.5°	1788.8	1795.1	1777.2	1777.2	1769.9	1782.5	1783.5	1772.0	1780.4	1780.4	1779.3
10°	1786.7	1788.8	1781.4	1766.7	1765.7	1773.0	1787.7	1791.9	1796.1	1795.1	1799.3
12.5°	1762.5	1760.4	1745.7	1749.9	1769.9	1777.2	1802.4	1814.0	1829.7	1833.9	1836.0
15°	1732.1	1740.5	1741.5	1754.1	1775.1	1786.7	1811.9	1835.0	1869.6	1878.0	1877.0
17.5°	1735.2	1738.4	1743.6	1751.0	1783.5	1788.8	1829.7	1854.9	1898.0	1927.3	1942.0
20°	1755.2	1748.9	1759.4	1778.3	1796.1	1800.3	1843.4	1882.2	1941.0	1979.8	1996.6
22.5°	1788.8	1789.8	1795.1	1795.1	1807.7	1826.6	1866.5	1896.9	1969.3	2023.9	2053.3
25°	1820.3	1822.4	1828.7	1826.6	1847.6	1856.0	1893.8	1939.9	2022.9	2086.9	2143.6
27.5°	1867.5	1873.8	1869.6	1870.7	1911.6	1920.0	1936.8	1998.7	2083.8	2169.8	2270.6
30°	1955.7	1955.7	1951.5	1955.7	1999.8	2020.8	2026.0	2086.9	2156.2	2260.1	2412.3
32.5°	2082.7	2083.8	2057.5	2078.5	2127.9	2164.6	2180.3	2276.9	2354.6	2405.0	2601.3
35°	2354.6	2343.1	2315.8	2254.9	2286.4	2331.5	2381.9	2504.7	2675.8	2863.7	3061.1
37.5°	2771.4	2770.3	2673.7	2552.0	2497.4	2520.5	2590.8	2774.5	3042.2	3511.4	3685.7
40°	3234.3	3245.8	3106.2	2954.0	2793.4	2795.5	2813.3	3043.2	3430.6	4108.7	4200.1
42.5°	3696.2	3677.3	3523.0	3377.1	3158.7	3145.1	3097.8	3315.1	3836.9	4586.4	4599.0
45°	4107.7	4098.2	3927.1	3779.1	3573.4	3520.9	3467.3	3605.9	4224.2	4972.7	4889.8
47.5°	4494.0	4506.6	4270.4	4137.1	3933.4	3907.2	3845.3	3933.4	4607.4	5276.1	5126.0
50°	4933.8	4939.1	4656.7	4491.9	4290.3	4256.8	4232.6	4344.9	5003.1	5565.8	5366.3
52.5°	5426.2	5323.3	5048.3	4821.5	4628.4	4603.2	4589.5	4707.1	5436.7	5819.8	5524.9
55°	6045.5	5908.0	5626.7	5250.9	4969.5	4973.7	4926.5	5064.0	5802.0	5995.1	5679.2
57.5°	6316.4	6347.9	6295.4	5953.2	5459.8	5398.9	5282.4	5388.4	6149.5	6200.9	5800.9
60°	6826.6	6948.3	6835.0	6643.9	6498.0	6338.4	5769.5	5809.3	6466.5	6428.7	5814.6
62.5°	6861.2	6903.2	7261.2	7291.6	7433.3	7486.9	7015.5	6287.0	6754.1	6543.1	5860.8
65°	6521.1	6568.3	6999.8	7378.7	8158.7	8232.2	8083.1	7161.4	6987.2	6605.1	5824.0
67.5°	5646.6	5685.5	6175.7	6967.2	8481.0	8587.0	8442.1	8102.0	7069.0	6584.1	5662.4
70°	4829.9	4852.0	5259.3	6366.8	8259.5	8384.4	8326.7	8137.7	7065.9	6460.2	5305.5
72.5°	3793.8	3857.8	4186.4	5280.3	7700.0	7804.9	7821.7	7918.3	6886.4	6052.9	4507.6
75°	2751.4	2786.0	3158.7	4102.4	6646.0	6896.9	7191.9	7556.1	6211.4	5138.5	3333.0
77.5°	1938.9	1972.5	2323.1	3110.4	5378.9	5664.5	6197.8	6411.9	5039.9	3851.6	1754.1
80°	1276.5	1272.3	1606.1	2302.1	4036.3	4236.8	4632.6	4346.0	2924.6	1674.4	191.1
82.5°	749.5	791.5	1028.8	1582.0	2820.7	2932.0	2921.5	2288.5	1161.0	173.2	97.6
85°	432.5	448.2	606.8	937.4	1554.7	1570.4	1406.7	888.1	287.6	77.7	57.7
87.5°	193.2	185.8	241.4	309.7	283.4	211.0	131.2	36.7	22.0	14.7	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: P509593

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2	1755.2
2.5°	1741.5	1736.3	1762.5	1747.8	1760.4	1753.1	1746.8	1755.2	1770.9	1784.6	1776.2
5°	1755.2	1758.3	1779.3	1761.5	1778.3	1775.1	1766.7	1776.2	1801.4	1814.0	1812.9
7.5°	1770.9	1773.0	1795.1	1787.7	1795.1	1788.8	1802.4	1796.1	1818.2	1826.6	1821.3
10°	1789.8	1793.0	1812.9	1814.0	1817.1	1812.9	1819.2	1822.4	1835.0	1851.8	1841.3
12.5°	1830.8	1838.1	1852.8	1868.6	1866.5	1849.7	1854.9	1838.1	1849.7	1854.9	1863.3
15°	1887.5	1905.3	1913.7	1935.7	1915.8	1906.4	1886.4	1852.8	1842.3	1837.1	1828.7
17.5°	1948.3	1965.1	1980.9	2009.2	1976.7	1951.5	1916.9	1853.9	1806.6	1789.8	1782.5
20°	2016.6	2032.3	2060.7	2079.6	2031.3	1976.7	1921.1	1828.7	1735.2	1671.2	1678.6
22.5°	2093.2	2127.9	2146.7	2141.5	2073.3	1998.7	1903.2	1762.5	1642.9	1547.3	1541.0
25°	2199.2	2219.2	2226.5	2178.2	2096.4	1983.0	1843.4	1683.8	1516.9	1409.8	1394.1
27.5°	2310.5	2331.5	2292.7	2202.4	2089.0	1946.2	1776.2	1549.4	1371.0	1268.1	1256.6
30°	2453.3	2448.0	2337.8	2195.0	2047.0	1858.1	1653.4	1411.9	1247.1	1151.6	1146.3
32.5°	2608.6	2569.8	2374.5	2159.3	1967.2	1742.6	1497.0	1281.8	1154.7	1059.2	1055.0
35°	2976.1	2797.6	2428.1	2114.2	1849.7	1583.0	1352.1	1184.1	1081.2	973.1	952.1
37.5°	3515.6	3228.0	2538.3	2068.0	1715.3	1425.6	1231.4	1111.7	1014.1	898.6	878.6
40°	4018.5	3665.7	2731.5	2033.4	1594.6	1298.5	1148.4	1061.3	966.8	851.4	826.2
42.5°	4375.4	4005.9	2963.5	1976.7	1473.9	1197.8	1113.8	1042.4	954.2	847.2	827.2
45°	4663.0	4299.8	3193.4	1912.7	1332.1	1111.7	1078.1	1026.7	938.5	834.6	811.5
47.5°	4865.6	4484.6	3352.9	1840.2	1196.7	1059.2	1047.7	1001.5	914.3	816.7	802.0
50°	5074.5	4691.4	3462.1	1765.7	1074.9	1019.3	1005.7	944.8	865.0	777.9	762.1
52.5°	5211.0	4792.1	3525.1	1751.0	971.0	964.7	947.9	890.2	814.6	720.1	701.2
55°	5314.9	4881.4	3515.6	1664.9	877.6	893.3	882.8	839.8	773.7	681.3	668.7
57.5°	5340.1	4895.0	3429.5	1398.3	789.4	797.8	803.1	811.5	747.4	670.8	649.8
60°	5412.5	4831.0	3277.3	1005.7	685.5	706.5	748.5	755.8	711.7	624.6	612.0
62.5°	5366.3	4787.9	2946.7	708.6	612.0	655.0	694.9	694.9	634.1	553.2	544.8
65°	5285.5	4617.9	2305.3	558.5	573.2	617.3	654.0	628.8	576.3	500.7	495.5
67.5°	5079.8	4203.2	1376.2	502.8	545.9	587.9	614.1	576.3	527.0	452.4	444.0
70°	4488.8	3349.8	523.8	476.6	518.6	548.0	564.8	525.9	477.6	403.1	395.8
72.5°	3563.9	2095.3	332.8	444.0	483.9	510.2	520.7	475.5	398.9	313.9	305.5
75°	2144.6	598.4	288.7	384.2	426.2	471.3	453.5	394.7	337.0	263.5	258.2
77.5°	542.7	181.6	257.2	309.7	346.4	400.0	398.9	355.9	293.9	215.2	206.8
80°	130.2	127.0	208.9	228.8	261.4	306.5	302.3	296.0	233.0	149.1	122.8
82.5°	82.9	88.2	141.7	128.1	149.1	178.5	202.6	191.1	174.3	91.3	81.9
85°	55.6	70.3	69.3	48.3	67.2	100.8	131.2	119.7	98.7	56.7	50.4
87.5°	8.4	9.4	12.6	18.9	29.4	49.3	65.1	64.0	48.3	35.7	33.6
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)