

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: P233541

Luminaire Tested: **VERD-C02H6-D-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-14)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C02H6-D-U-T3
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1250mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11604 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B2 - U0 - G2

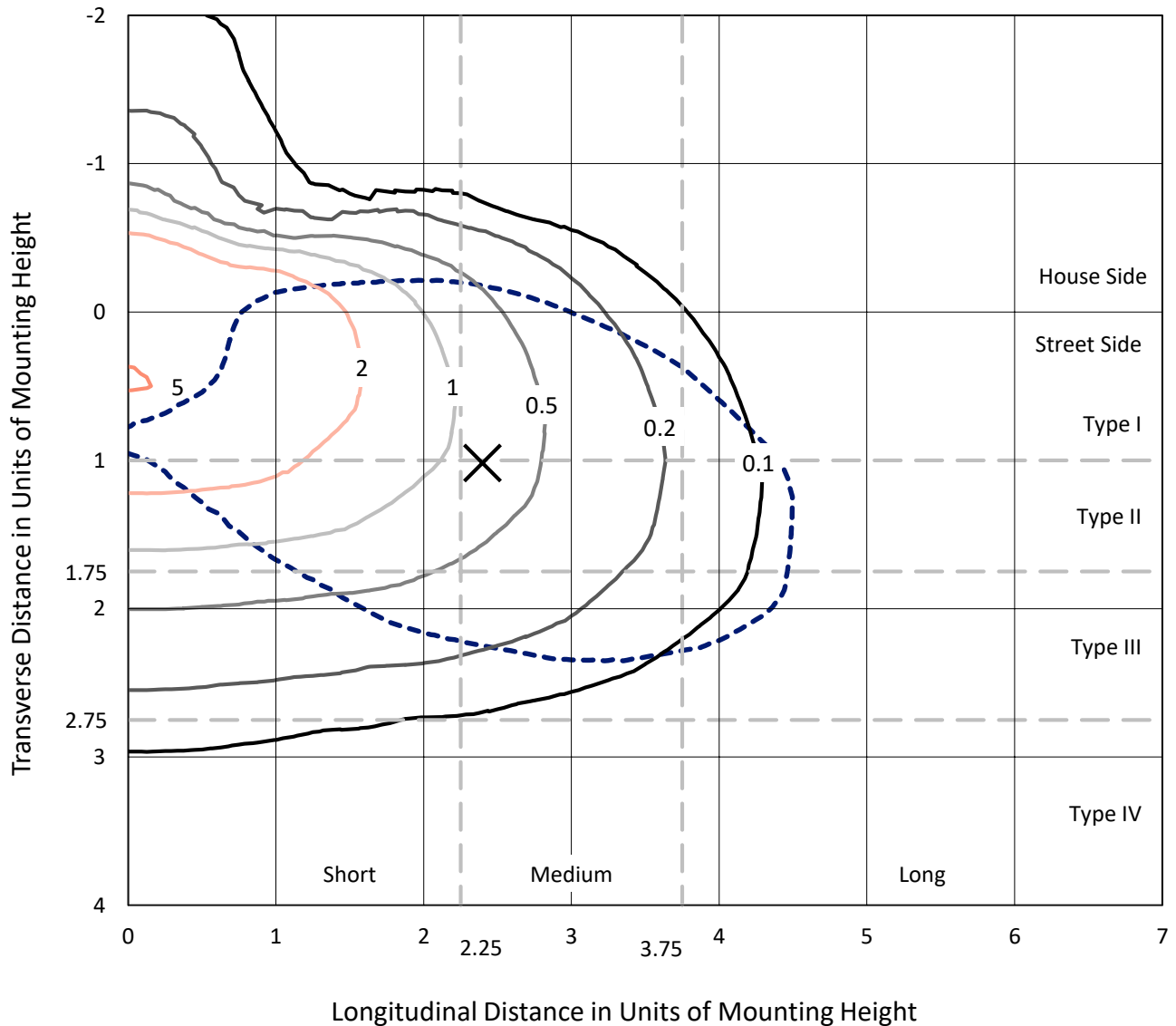
Input Watts (W): 98
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233541
 CATALOG NUMBER: VERD-C02H6-D-U-T3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

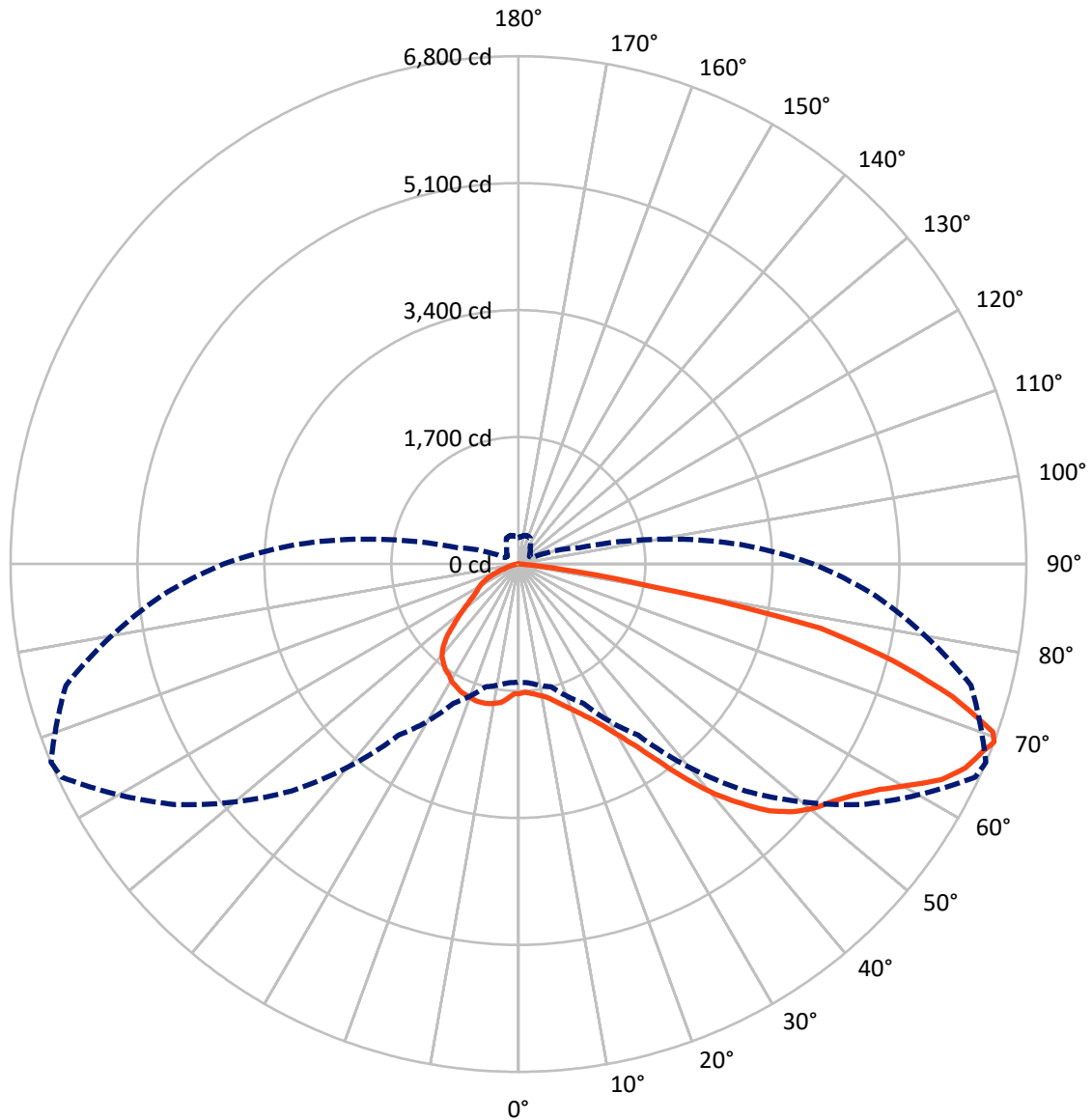


Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - Semi-Cutoff

REPORT NUMBER: P233541

CATALOG NUMBER: VERD-C02H6-D-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



REPORT NUMBER: P233541

CATALOG NUMBER: VERD-C02H6-D-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2613.1	0.0	2613.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	8990.9	0.0	8990.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	11604.0	0.0	11604.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	1.5
10°-20°	560.3	4.8
20°-30°	965.2	8.3
30°-40°	1435.6	12.4
40°-50°	1977.2	17.0
50°-60°	2363.6	20.4
60°-70°	2494.2	21.5
70°-80°	1494.7	12.9
80°-90°	137.5	1.2
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°	11604.0	100.0
0°-180°	11604.0	100.0

Coefficient of Utilization



REPORT NUMBER: P233541

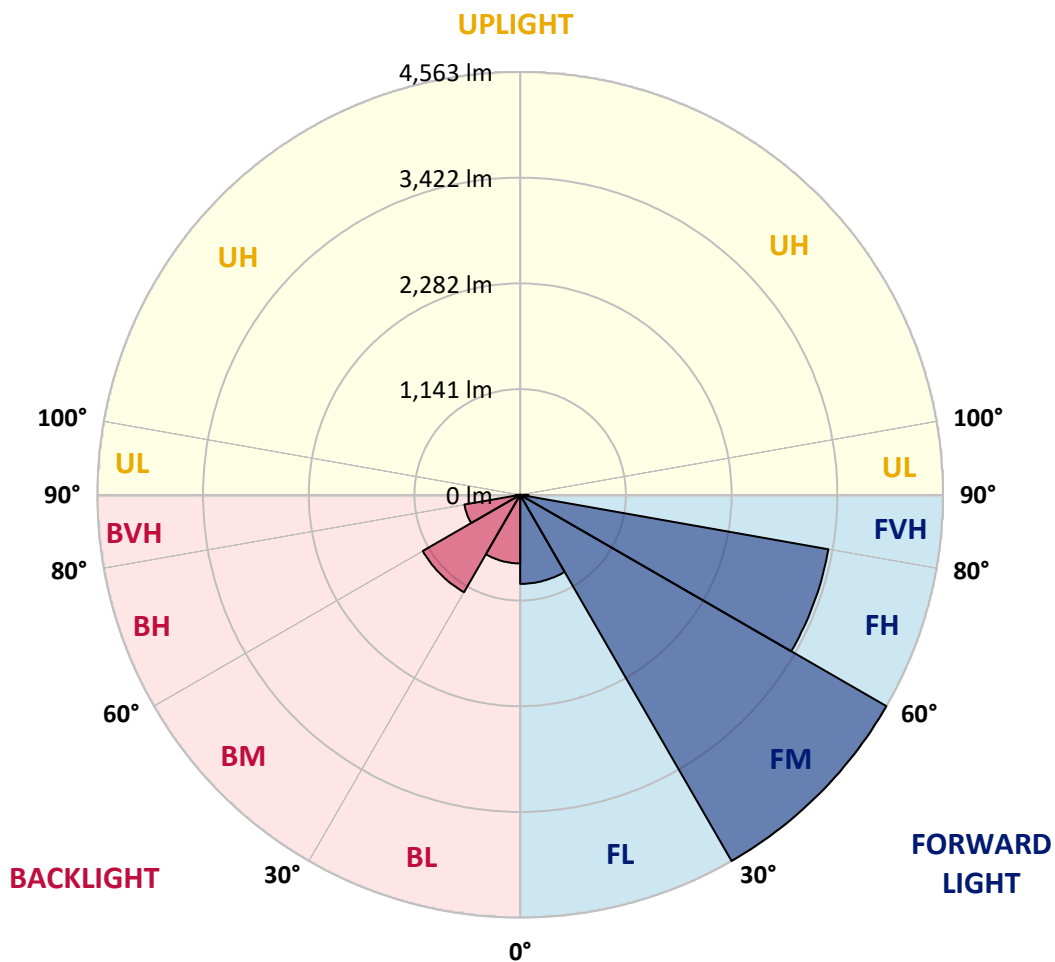
CATALOG NUMBER: VERD-C02H6-D-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	960.9	8.3			
FM	(30°-60°)	4563.2	39.3			
FH	(60°-80°)	3377.9	29.1			G2/5000
FVH	(80°-90°)	88.9	0.8			G1/100
BL	(0°-30°)	740.4	6.4	B2/1000		
BM	(30°-60°)	1213.1	10.5	B2/2500		
BH	(60°-80°)	611.0	5.3	B2/1000		G2/1000
BVH	(80°-90°)	48.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P233541

CATALOG NUMBER: VERD-C02H6-D-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7
2.5°	1764.2	1763.2	1757.9	1738.9	1736.8	1734.7	1722.0	1723.1	1719.9	1723.1	1724.1
5°	1812.7	1808.5	1803.2	1783.2	1775.8	1766.3	1747.3	1746.3	1738.9	1741.0	1743.1
7.5°	1872.9	1868.7	1864.4	1841.2	1833.8	1817.0	1787.4	1772.6	1766.3	1768.4	1771.6
10°	1954.1	1946.7	1940.4	1906.7	1895.0	1866.6	1830.7	1805.4	1796.9	1800.1	1808.5
12.5°	2047.0	2037.5	2026.9	1992.1	1976.3	1932.0	1889.8	1857.1	1844.4	1851.8	1858.1
15°	2143.0	2137.7	2133.5	2092.4	2070.2	2021.7	1968.9	1927.8	1916.1	1922.5	1925.6
17.5°	2269.6	2266.5	2259.1	2216.9	2174.7	2118.7	2050.2	2006.9	1995.3	1998.5	1991.1
20°	2407.8	2399.4	2395.2	2347.7	2303.4	2226.4	2147.2	2086.0	2082.9	2083.9	2060.7
22.5°	2563.0	2553.5	2545.0	2501.8	2446.9	2357.2	2253.8	2185.2	2187.3	2189.4	2137.7
25°	2721.2	2713.8	2706.5	2665.3	2610.4	2512.3	2387.8	2310.8	2309.7	2310.8	2239.0
27.5°	2886.9	2878.4	2877.4	2843.6	2788.8	2688.5	2545.0	2466.9	2466.9	2462.7	2354.0
30°	3034.6	3043.0	3043.0	3024.1	2972.4	2872.1	2737.1	2659.0	2669.5	2661.1	2522.9
32.5°	3196.0	3193.9	3208.7	3193.9	3151.7	3058.9	2946.0	2896.4	2914.3	2941.8	2803.5
35°	3290.0	3304.7	3341.7	3362.8	3342.7	3266.7	3184.4	3222.4	3246.7	3370.1	3204.5
37.5°	3398.6	3411.3	3461.9	3513.6	3522.1	3480.9	3480.9	3605.4	3652.9	3814.4	3621.3
40°	3473.5	3486.2	3541.1	3601.2	3683.5	3712.0	3785.9	3979.0	4046.5	4155.2	3931.5
42.5°	3429.2	3435.6	3553.7	3700.4	3821.7	3958.9	4076.0	4320.8	4385.2	4461.2	4186.8
45°	3351.2	3362.8	3493.6	3729.9	3938.9	4211.1	4358.8	4642.7	4716.5	4709.1	4383.1
47.5°	3264.6	3282.6	3428.2	3692.0	4039.1	4429.5	4617.3	4912.8	4955.0	4902.2	4519.2
50°	3168.6	3199.2	3354.3	3654.0	4111.9	4620.5	4809.4	5115.4	5137.5	5029.9	4638.4
52.5°	3058.9	3078.9	3250.9	3581.2	4162.6	4747.1	4962.4	5266.2	5275.7	5188.2	4764.0
55°	2906.9	2924.9	3115.9	3484.1	4169.9	4822.0	5060.5	5427.7	5459.3	5373.9	4878.0
57.5°	2743.4	2765.5	2961.8	3343.8	4102.4	4852.6	5178.7	5635.5	5696.7	5574.3	4969.7
60°	2553.5	2581.9	2780.3	3172.8	3969.5	4900.1	5399.2	5938.4	6014.3	5801.2	5057.3
62.5°	2356.1	2372.0	2554.5	2936.5	3762.7	4924.4	5599.7	6284.5	6357.3	6015.4	5098.5
65°	2078.6	2104.0	2266.5	2652.6	3471.4	4819.9	5693.6	6526.1	6578.9	6189.5	5058.4
67.5°	1784.3	1784.3	1922.5	2312.9	3083.1	4543.5	5655.6	6642.2	6705.5	6311.9	4931.8
69°	1580.6	1596.4	1702.0	2057.5	2798.3	4297.6	5614.4	6748.7	6800.4	6272.9	4786.2
70°	1424.5	1438.2	1544.7	1871.8	2586.2	4103.5	5525.8	6701.2	6739.2	6152.6	4633.2
72.5°	1047.8	1059.4	1133.2	1304.2	1944.6	3311.1	4982.4	6058.7	6081.9	5533.2	4087.6
75°	714.3	720.7	776.6	881.0	1134.3	2315.0	4070.8	5117.5	5186.1	4798.8	3346.9
77.5°	246.9	265.9	299.7	405.2	485.4	909.5	2759.2	4032.8	4135.1	3716.2	2341.4
80°	84.4	83.4	160.4	207.9	255.3	417.8	872.6	1690.3	1786.4	1532.1	843.1
82.5°	63.3	65.4	106.6	115.0	78.1	154.1	339.8	517.0	566.6	494.9	349.3
85°	40.1	39.0	47.5	49.6	35.9	65.4	82.3	83.4	86.5	74.9	76.0
87.5°	22.2	22.2	21.1	17.9	9.5	8.4	7.4	7.4	6.3	6.3	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: P233541

CATALOG NUMBER: VERD-C02H6-D-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7	1735.7
2.5°	1718.8	1733.6	1736.8	1741.0	1751.5	1765.3	1784.3	1784.3	1791.6	1813.8	1821.2
5°	1743.1	1761.0	1784.3	1808.5	1837.0	1867.6	1898.2	1908.8	1923.5	1953.1	1959.4
7.5°	1780.0	1800.1	1840.2	1872.9	1897.2	1927.8	1953.1	1957.3	1976.3	2003.7	2009.0
10°	1818.0	1836.0	1876.1	1892.9	1925.6	1959.4	1972.1	1978.4	1994.2	2015.3	2012.2
12.5°	1869.7	1875.0	1903.5	1915.1	1930.9	1952.0	1958.4	1958.4	1967.9	2001.6	2002.7
15°	1920.4	1920.4	1924.6	1918.3	1920.4	1930.9	1932.0	1918.3	1928.8	1945.7	1939.4
17.5°	1974.2	1959.4	1940.4	1913.0	1888.7	1887.7	1865.5	1832.8	1823.3	1847.6	1846.5
20°	2024.8	1999.5	1954.1	1891.9	1858.1	1812.7	1756.8	1737.8	1736.8	1741.0	1737.8
22.5°	2091.3	2039.6	1957.3	1871.8	1779.0	1707.2	1660.8	1596.4	1594.3	1584.8	1570.1
25°	2170.4	2096.6	1971.0	1849.7	1714.6	1621.8	1509.9	1441.3	1402.3	1410.7	1385.4
27.5°	2272.8	2183.1	1976.3	1801.1	1626.0	1468.8	1333.7	1245.1	1211.3	1196.5	1179.7
30°	2413.1	2274.9	2014.3	1760.0	1516.2	1308.4	1142.7	1014.0	965.5	978.1	980.2
32.5°	2637.9	2449.0	2034.3	1678.7	1389.6	1133.2	918.0	778.7	750.2	786.1	795.6
35°	3029.3	2719.1	2081.8	1630.2	1245.1	928.5	682.7	625.7	632.0	662.6	664.7
37.5°	3414.5	3061.0	2228.5	1524.7	1072.0	688.0	529.7	499.1	529.7	568.7	574.0
40°	3684.6	3327.9	2358.3	1420.2	829.3	498.0	404.1	367.2	411.5	473.8	485.4
42.5°	3924.1	3540.0	2450.1	1275.7	567.7	355.6	290.2	299.7	365.1	410.5	421.0
45°	4096.1	3685.6	2513.4	1087.9	361.9	269.1	259.6	290.2	352.4	388.3	391.5
47.5°	4204.8	3771.1	2466.9	856.8	272.2	254.3	255.3	294.4	356.6	396.7	395.7
50°	4302.9	3816.5	2316.1	679.5	258.5	243.7	260.6	306.0	370.4	407.3	405.2
52.5°	4407.4	3860.8	2132.5	532.8	248.0	238.5	267.0	313.4	370.4	393.6	390.4
55°	4497.0	3899.8	1994.2	428.4	240.6	237.4	273.3	325.0	368.2	377.7	371.4
57.5°	4543.5	3833.4	1844.4	359.8	233.2	237.4	277.5	322.9	380.9	411.5	405.2
60°	4518.1	3771.1	1723.1	334.5	222.6	236.4	279.6	346.1	467.4	495.9	493.8
62.5°	4471.7	3702.5	1553.2	300.7	211.0	238.5	278.6	367.2	538.1	528.6	502.3
65°	4376.8	3565.3	1321.0	261.7	199.4	242.7	278.6	413.6	469.5	459.0	447.4
67.5°	4174.2	3268.9	1057.3	224.7	186.8	230.0	274.3	393.6	404.1	376.7	363.0
69°	3947.3	2986.1	836.7	204.7	179.4	223.7	273.3	379.9	397.8	368.2	352.4
70°	3770.0	2765.5	676.4	189.9	172.0	221.6	272.2	370.4	394.6	361.9	345.0
72.5°	3140.1	2234.8	354.5	153.0	146.7	201.5	262.7	361.9	395.7	347.1	322.9
75°	2466.9	1590.1	235.3	117.1	112.9	176.2	240.6	348.2	372.5	312.3	275.4
77.5°	1521.5	696.4	162.5	81.2	82.3	137.2	206.8	311.3	375.6	315.5	268.0
80°	442.1	269.1	103.4	54.9	50.6	81.2	162.5	268.0	356.6	323.9	292.3
82.5°	255.3	175.2	69.6	34.8	30.6	36.9	102.3	207.9	314.4	296.5	302.8
85°	58.0	48.5	25.3	16.9	16.9	21.1	34.8	120.3	217.4	254.3	287.0
87.5°	6.3	6.3	6.3	6.3	6.3	5.3	6.3	32.7	95.0	135.1	157.2
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)