

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: P233528

Luminaire Tested: **VERD-C02H6-D-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233528
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-T3-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1250mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11293 lumens
Efficiency: N/A
Efficacy: 115.2 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

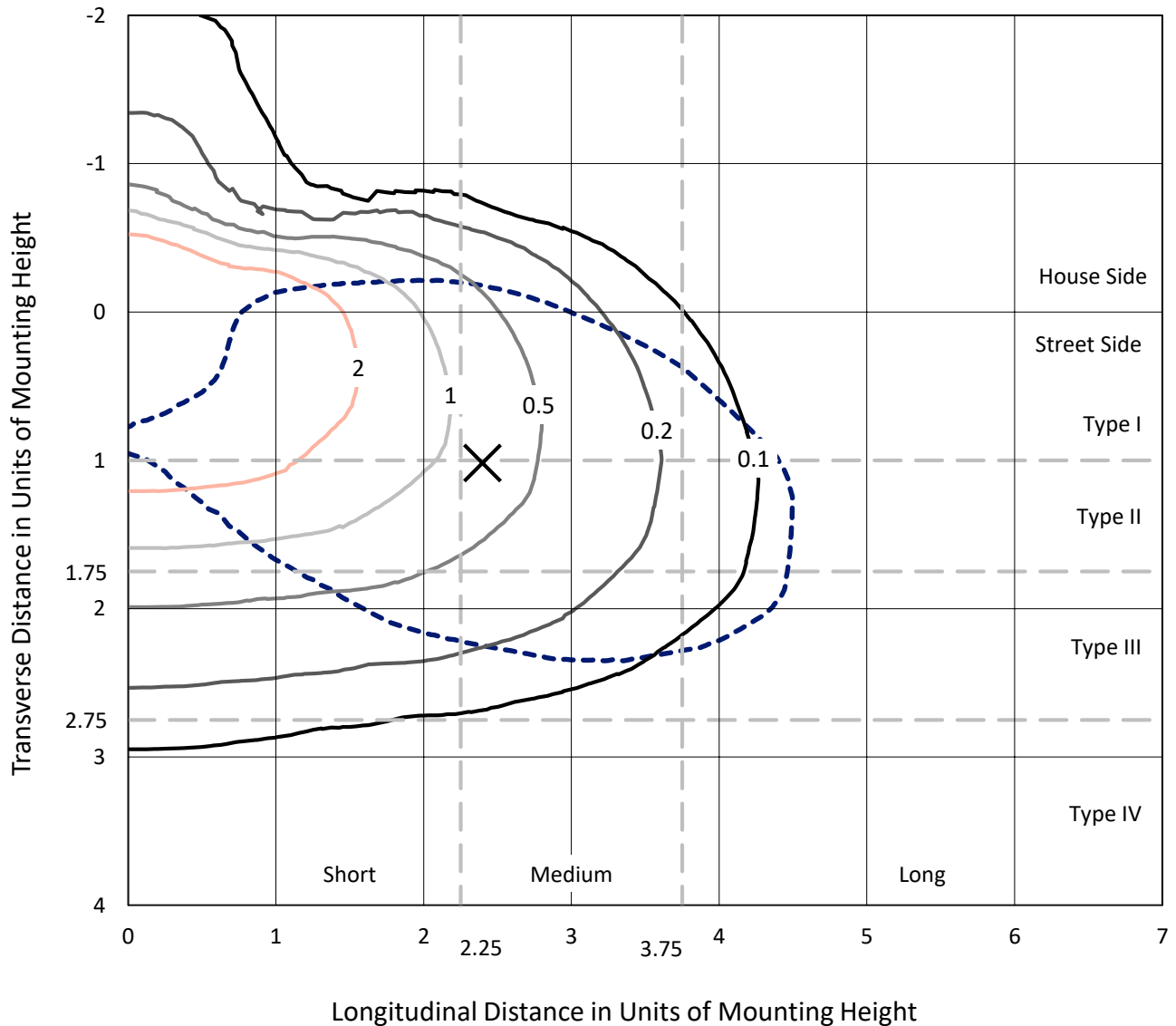
Input Watts (W): 98
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

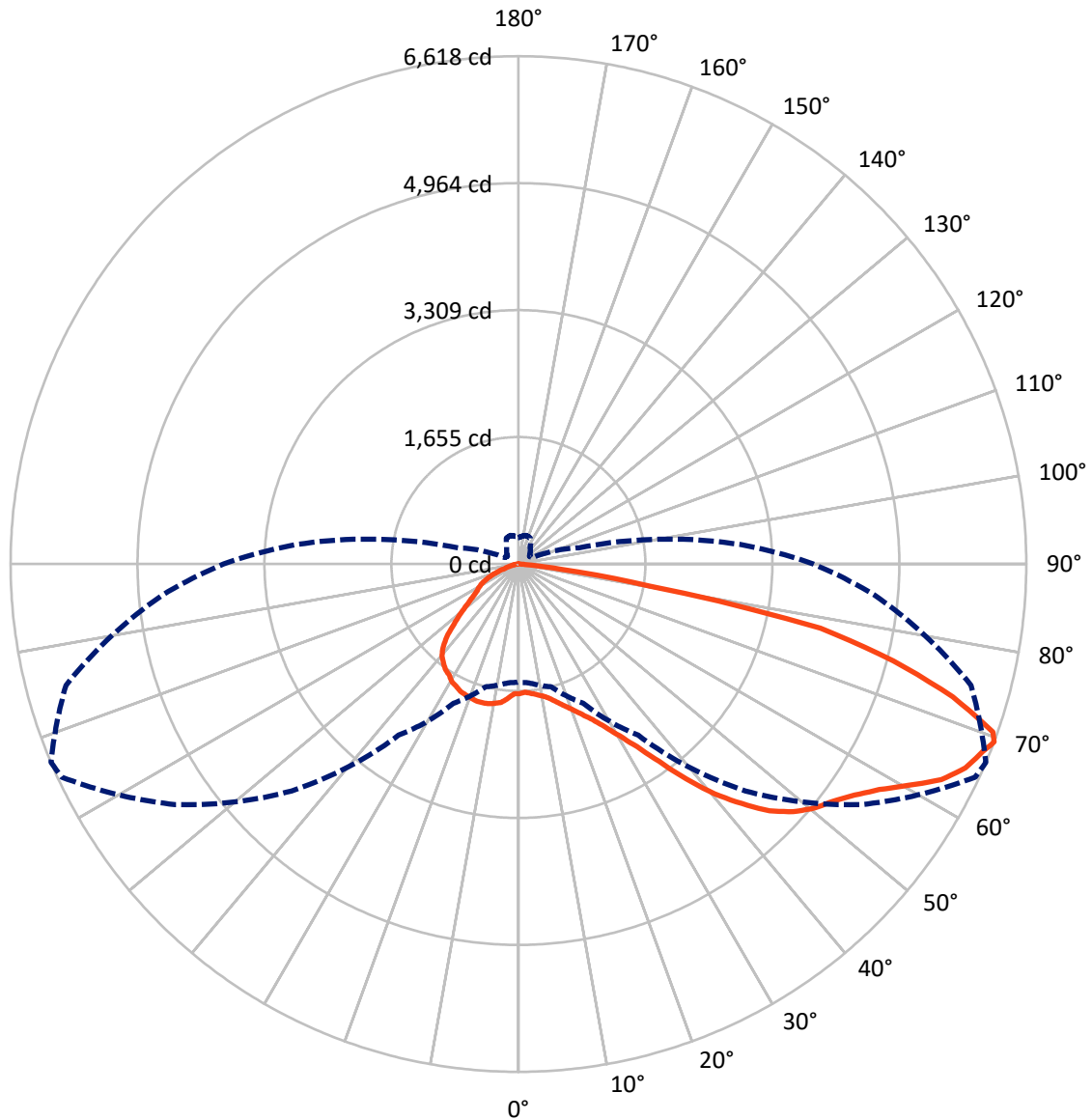


Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2543.1	0.0	2543.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	8749.9	0.0	8749.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	11293.0	0.0	11293.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	1.5
10°-20°	545.3	4.8
20°-30°	939.3	8.3
30°-40°	1397.1	12.4
40°-50°	1924.2	17.0
50°-60°	2300.2	20.4
60°-70°	2427.4	21.5
70°-80°	1454.6	12.9
80°-90°	133.8	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°	11293.0	100.0
0°-180°	11293.0	100.0



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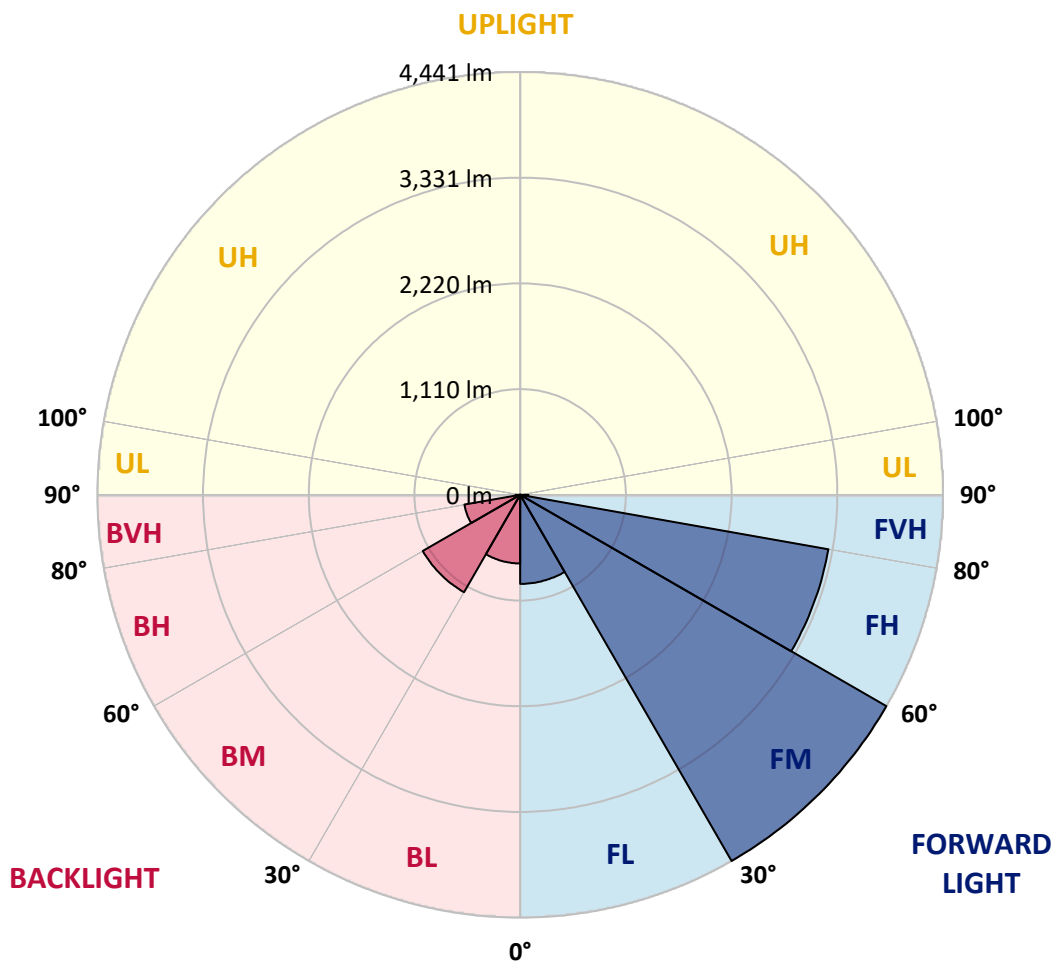
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	935.1	8.3			
FM	(30°-60°)	4440.9	39.3			
FH	(60°-80°)	3287.4	29.1			G2/5000
FVH	(80°-90°)	86.5	0.8			G1/100
BL	(0°-30°)	720.6	6.4	B2/1000		
BM	(30°-60°)	1180.6	10.5	B2/2500		
BH	(60°-80°)	594.6	5.3	B2/1000		G2/1000
BVH	(80°-90°)	47.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2
2.5°	1716.9	1715.9	1710.8	1692.3	1690.2	1688.2	1675.9	1676.9	1673.8	1676.9	1677.9
5°	1764.2	1760.1	1754.9	1735.4	1728.2	1719.0	1700.5	1699.5	1692.3	1694.3	1696.4
7.5°	1822.7	1818.6	1814.5	1791.9	1784.7	1768.3	1739.5	1725.1	1719.0	1721.0	1724.1
10°	1901.8	1894.6	1888.4	1855.6	1844.3	1816.5	1781.6	1757.0	1748.8	1751.8	1760.1
12.5°	1992.1	1982.9	1972.6	1938.7	1923.3	1880.2	1839.1	1807.3	1795.0	1802.2	1808.3
15°	2085.6	2080.4	2076.3	2036.3	2014.7	1967.5	1916.1	1876.1	1864.8	1871.0	1874.0
17.5°	2208.8	2205.7	2198.5	2157.5	2116.4	2062.0	1995.2	1953.1	1941.8	1944.9	1937.7
20°	2343.3	2335.1	2331.0	2284.8	2241.7	2166.7	2089.7	2030.1	2027.0	2028.1	2005.5
22.5°	2494.3	2485.0	2476.8	2434.7	2381.3	2294.0	2193.4	2126.6	2128.7	2130.8	2080.4
25°	2648.3	2641.1	2633.9	2593.9	2540.5	2445.0	2323.8	2248.8	2247.8	2248.8	2179.0
27.5°	2809.5	2801.3	2800.3	2767.4	2714.0	2616.5	2476.8	2400.8	2400.8	2396.7	2290.9
30°	2953.3	2961.5	2961.5	2943.0	2892.7	2795.1	2663.7	2587.7	2598.0	2589.8	2455.2
32.5°	3110.4	3108.3	3122.7	3108.3	3067.3	2976.9	2867.0	2818.8	2836.2	2862.9	2728.4
35°	3201.8	3216.2	3252.1	3272.6	3253.1	3179.2	3099.1	3136.1	3159.7	3279.8	3118.6
37.5°	3307.5	3319.9	3369.2	3419.5	3427.7	3387.6	3387.6	3508.8	3555.0	3712.1	3524.2
40°	3380.5	3392.8	3446.2	3504.7	3584.8	3612.5	3684.4	3872.3	3938.0	4043.8	3826.1
42.5°	3337.3	3343.5	3458.5	3601.2	3719.3	3852.8	3966.8	4205.0	4267.7	4341.6	4074.6
45°	3261.3	3272.6	3400.0	3630.0	3833.3	4098.2	4242.0	4518.2	4590.1	4582.9	4265.6
47.5°	3177.1	3194.6	3336.3	3593.0	3930.9	4310.8	4493.6	4781.1	4822.2	4770.8	4398.1
50°	3083.7	3113.5	3264.4	3556.0	4001.7	4496.7	4680.5	4978.3	4999.8	4895.1	4514.1
52.5°	2976.9	2996.4	3163.8	3485.2	4051.0	4619.9	4829.4	5125.1	5134.3	5049.1	4636.3
55°	2829.0	2846.5	3032.3	3390.7	4058.2	4692.8	4924.9	5282.2	5313.0	5229.8	4747.2
57.5°	2669.9	2691.4	2882.4	3254.1	3992.5	4722.6	5039.9	5484.5	5544.1	5425.0	4836.6
60°	2485.0	2512.7	2705.8	3087.8	3863.1	4768.8	5254.5	5779.2	5853.2	5645.7	4921.8
62.5°	2293.0	2308.4	2486.1	2857.8	3661.8	4792.4	5449.6	6116.0	6186.9	5854.2	4961.8
65°	2022.9	2047.6	2205.7	2581.5	3378.4	4690.7	5541.0	6351.2	6402.5	6023.6	4922.8
67.5°	1736.4	1736.4	1871.0	2250.9	3000.5	4421.7	5504.0	6464.1	6525.8	6142.7	4799.6
69°	1538.3	1553.7	1656.3	2002.4	2723.3	4182.4	5464.0	6567.9	6618.2	6104.7	4657.9
70°	1386.3	1399.6	1503.3	1821.7	2516.9	3993.5	5377.7	6521.6	6558.6	5987.7	4509.0
72.5°	1019.7	1031.0	1102.9	1269.2	1892.5	3222.3	4848.9	5896.3	5918.9	5384.9	3978.1
75°	695.2	701.4	755.8	857.4	1103.9	2253.0	3961.7	4980.3	5047.1	4670.2	3257.2
77.5°	240.3	258.8	291.6	394.3	472.4	885.2	2685.3	3924.7	4024.3	3616.6	2278.6
80°	82.1	81.1	156.1	202.3	248.5	406.6	849.2	1645.0	1738.5	1491.0	820.5
82.5°	61.6	63.7	103.7	111.9	76.0	149.9	330.7	503.2	551.4	481.6	339.9
85°	39.0	38.0	46.2	48.3	34.9	63.7	80.1	81.1	84.2	72.9	73.9
87.5°	21.6	21.6	20.5	17.5	9.2	8.2	7.2	7.2	6.2	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2	1689.2
2.5°	1672.8	1687.1	1690.2	1694.3	1704.6	1718.0	1736.4	1736.4	1743.6	1765.2	1772.4
5°	1696.4	1713.8	1736.4	1760.1	1787.8	1817.6	1847.3	1857.6	1872.0	1900.7	1906.9
7.5°	1732.3	1751.8	1790.9	1822.7	1846.3	1876.1	1900.7	1904.8	1923.3	1950.0	1955.2
10°	1769.3	1786.8	1825.8	1842.2	1874.0	1906.9	1919.2	1925.4	1940.8	1961.3	1958.2
12.5°	1819.6	1824.7	1852.5	1863.8	1879.2	1899.7	1905.9	1905.9	1915.1	1948.0	1949.0
15°	1868.9	1868.9	1873.0	1866.8	1868.9	1879.2	1880.2	1866.8	1877.1	1893.5	1887.4
17.5°	1921.3	1906.9	1888.4	1861.7	1838.1	1837.1	1815.5	1783.7	1774.4	1798.0	1797.0
20°	1970.6	1945.9	1901.8	1841.2	1808.3	1764.2	1709.7	1691.3	1690.2	1694.3	1691.3
22.5°	2035.3	1984.9	1904.8	1821.7	1731.3	1661.5	1616.3	1553.7	1551.6	1542.4	1528.0
25°	2112.3	2040.4	1918.2	1800.1	1668.7	1578.3	1469.5	1402.7	1364.7	1372.9	1348.3
27.5°	2211.9	2124.6	1923.3	1752.9	1582.4	1429.4	1298.0	1211.7	1178.8	1164.5	1148.0
30°	2348.5	2213.9	1960.3	1712.8	1475.6	1273.3	1112.1	986.8	939.6	951.9	954.0
32.5°	2567.2	2383.4	1979.8	1633.7	1352.4	1102.9	893.4	757.8	730.1	765.0	774.3
35°	2948.1	2646.2	2026.0	1586.5	1211.7	903.6	664.4	608.9	615.1	644.9	646.9
37.5°	3322.9	2978.9	2168.7	1483.8	1043.3	669.5	515.5	485.7	515.5	553.5	558.6
40°	3585.8	3238.7	2295.1	1382.2	807.1	484.7	393.3	357.4	400.5	461.1	472.4
42.5°	3818.9	3445.1	2384.4	1241.5	552.5	346.1	282.4	291.6	355.3	399.5	409.7
45°	3986.3	3586.9	2446.0	1058.7	352.2	261.9	252.6	282.4	343.0	377.9	381.0
47.5°	4092.1	3670.0	2400.8	833.8	264.9	247.5	248.5	286.5	347.1	386.1	385.1
50°	4187.6	3714.2	2254.0	661.3	251.6	237.2	253.6	297.8	360.4	396.4	394.3
52.5°	4289.2	3757.3	2075.3	518.6	241.3	232.1	259.8	305.0	360.4	383.0	379.9
55°	4376.5	3795.3	1940.8	416.9	234.1	231.0	266.0	316.3	358.4	367.6	361.5
57.5°	4421.7	3730.6	1795.0	350.2	226.9	231.0	270.1	314.2	370.7	400.5	394.3
60°	4397.1	3670.0	1676.9	325.5	216.7	230.0	272.1	336.8	454.9	482.6	480.6
62.5°	4351.9	3603.3	1511.6	292.7	205.4	232.1	271.1	357.4	523.7	514.5	488.8
65°	4259.5	3469.8	1285.6	254.7	194.1	236.2	271.1	402.5	457.0	446.7	435.4
67.5°	4062.3	3181.2	1028.9	218.7	181.8	223.9	267.0	383.0	393.3	366.6	353.2
69°	3841.5	2906.0	814.3	199.2	174.6	217.7	266.0	369.7	387.1	358.4	343.0
70°	3669.0	2691.4	658.2	184.8	167.4	215.6	264.9	360.4	384.0	352.2	335.8
72.5°	3056.0	2174.9	345.0	148.9	142.7	196.1	255.7	352.2	385.1	337.8	314.2
75°	2400.8	1547.5	229.0	114.0	109.9	171.5	234.1	338.9	362.5	304.0	268.0
77.5°	1480.7	677.7	158.1	79.1	80.1	133.5	201.3	302.9	365.6	307.0	260.8
80°	430.3	261.9	100.6	53.4	49.3	79.1	158.1	260.8	347.1	315.2	284.4
82.5°	248.5	170.5	67.8	33.9	29.8	35.9	99.6	202.3	306.0	288.6	294.7
85°	56.5	47.2	24.6	16.4	16.4	20.5	33.9	117.1	211.5	247.5	279.3
87.5°	6.2	6.2	6.2	6.2	6.2	5.1	6.2	31.8	92.4	131.4	153.0
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)