

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: P233489

Luminaire Tested: **VERD-C02H6-D-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233489  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-10)  
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-T2  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1250mA LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11622 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

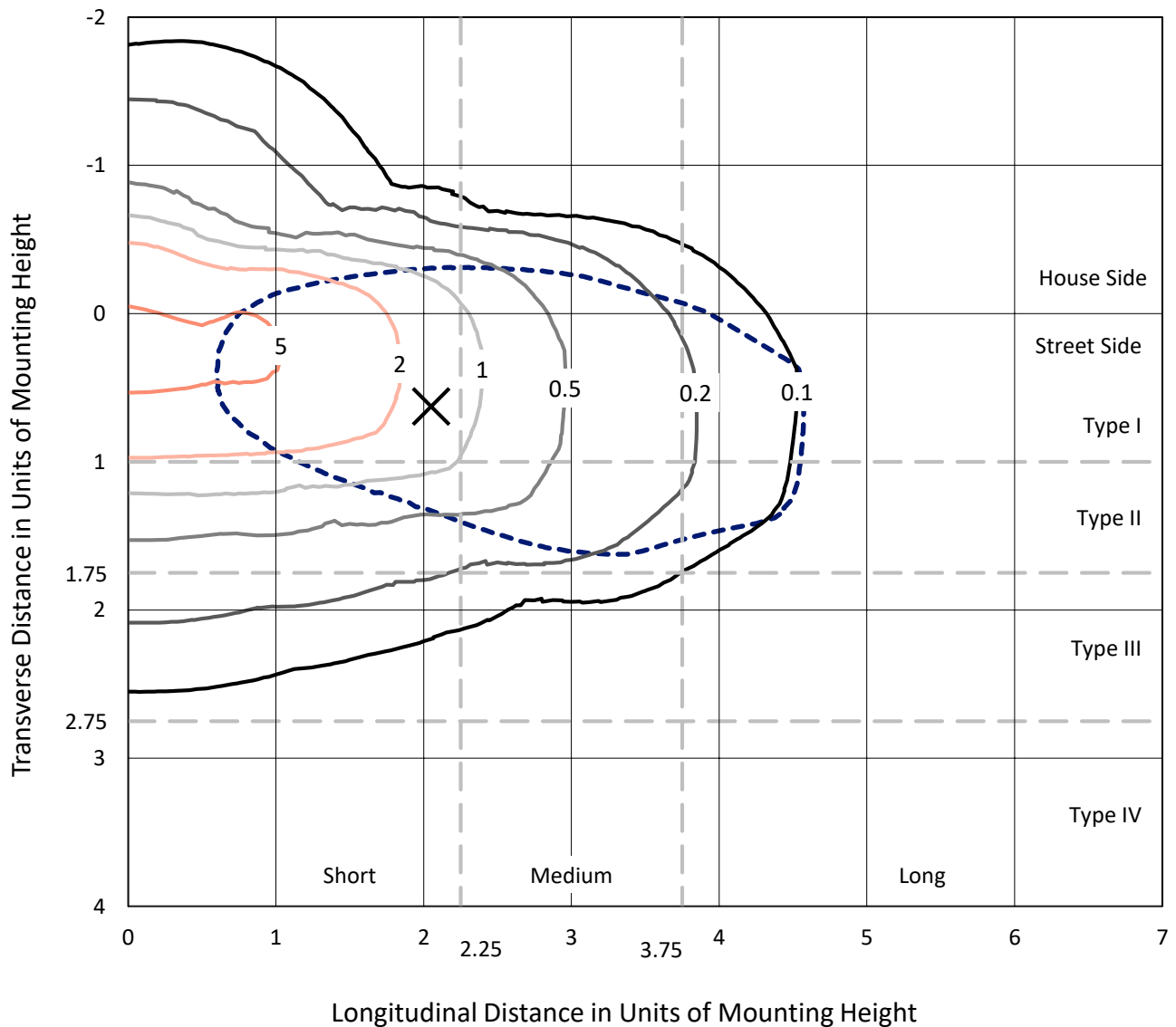
Input Watts (W): 98  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

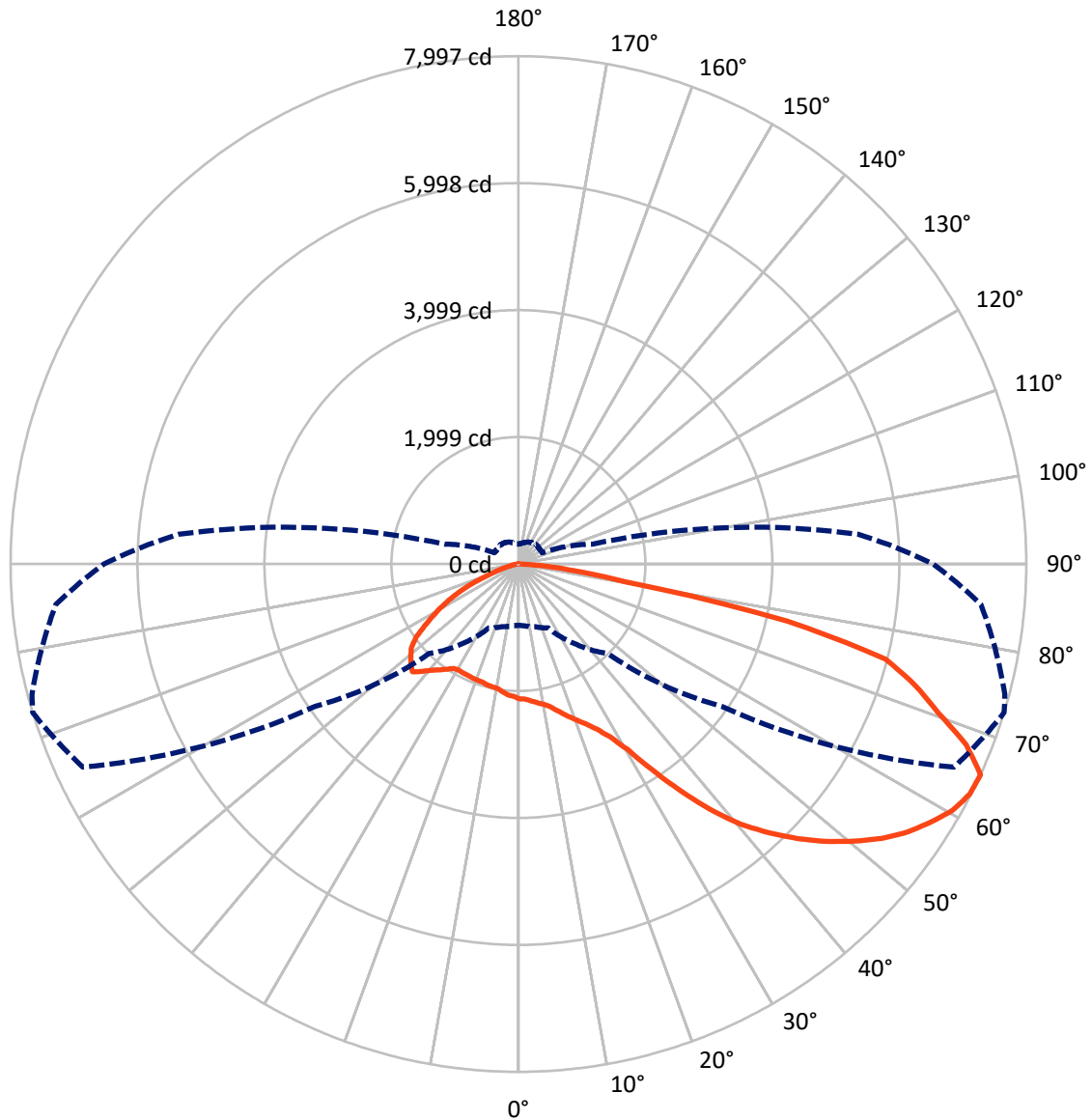


Based on 20 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2979.2	0.0	2979.2
	% Fixture	25.6	0.0	25.6
<b>Street Side</b>	Lumens	8642.8	0.0	8642.8
	% Fixture	74.4	0.0	74.4
<b>Total</b>	Lumens	11622.0	0.0	11622.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.8	1.7
10°-20°	613.2	5.3
20°-30°	1028.5	8.8
30°-40°	1508.3	13.0
40°-50°	2038.5	17.5
50°-60°	2361.5	20.3
60°-70°	2306.7	19.8
70°-80°	1385.2	11.9
80°-90°	177.4	1.5
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°	11622.0	100.0
0°-180°	11622.0	100.0



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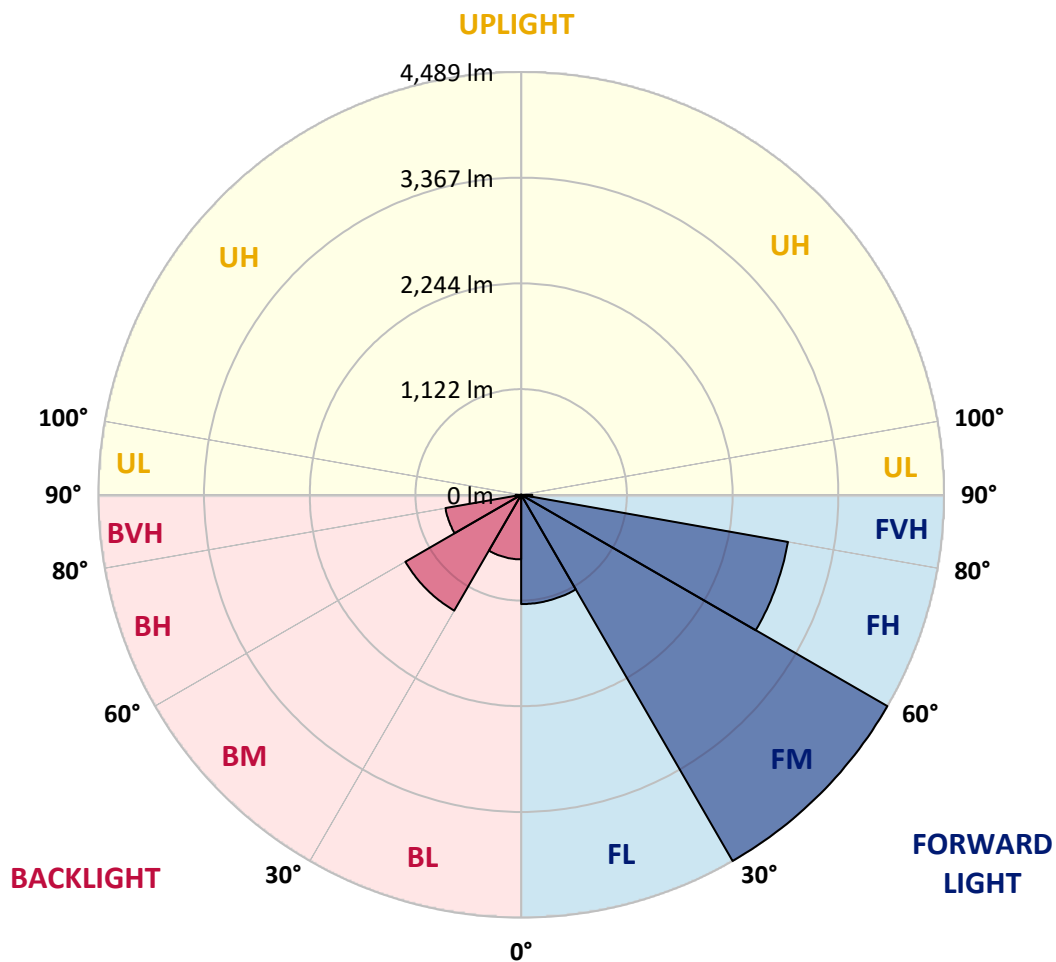
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1159.7	10.0			
FM	(30°-60°)	4488.8	38.6			
FH	(60°-80°)	2876.2	24.7			G2/5000
FVH	(80°-90°)	118.1	1.0			G2/225
BL	(0°-30°)	684.8	5.9	B2/1000		
BM	(30°-60°)	1419.5	12.2	B2/2500		
BH	(60°-80°)	815.7	7.0	B2/1000		G2/1000
BVH	(80°-90°)	59.3	0.5			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1
2.5°	2255.9	2264.4	2254.9	2227.4	2213.7	2204.2	2175.7	2150.4	2130.4	2128.2	2109.2
5°	2342.4	2355.1	2339.3	2304.5	2290.7	2270.7	2239.0	2204.2	2168.3	2160.9	2123.0
7.5°	2452.2	2454.3	2445.8	2411.0	2382.5	2340.3	2285.5	2248.5	2207.4	2195.8	2135.6
10°	2545.0	2544.0	2533.4	2499.7	2471.2	2434.2	2357.2	2297.1	2248.5	2233.8	2150.4
12.5°	2633.7	2631.5	2621.0	2586.2	2550.3	2519.7	2461.7	2380.4	2315.0	2296.0	2192.6
15°	2743.4	2738.1	2721.2	2674.8	2646.3	2610.4	2568.2	2487.0	2412.1	2385.7	2253.8
17.5°	2827.8	2826.8	2814.1	2775.0	2741.3	2702.2	2663.2	2599.9	2518.6	2489.1	2313.9
20°	2876.3	2872.1	2869.0	2838.4	2829.9	2808.8	2752.9	2704.4	2623.1	2592.5	2381.5
22.5°	2928.0	2929.1	2930.2	2914.3	2938.6	2920.7	2879.5	2820.4	2738.1	2703.3	2476.4
25°	2939.7	2941.8	2962.9	2997.7	3027.2	3059.9	3030.4	2972.4	2883.7	2846.8	2606.2
27.5°	2906.9	2915.4	2978.7	3037.8	3142.2	3184.4	3179.2	3176.0	3085.3	3048.3	2784.5
30°	2936.5	2936.5	2979.7	3081.0	3212.9	3323.7	3348.0	3415.5	3388.1	3361.7	3084.2
32.5°	2847.9	2863.7	2940.7	3082.1	3291.0	3452.5	3562.2	3750.0	3858.7	3836.5	3508.4
35°	2681.1	2702.2	2815.1	3031.4	3330.1	3604.4	3800.7	4162.6	4372.5	4398.9	4019.1
37.5°	2552.4	2570.3	2711.7	2952.3	3344.8	3746.8	4076.0	4626.8	4898.0	4884.3	4451.7
40°	2395.2	2426.8	2569.3	2858.4	3310.0	3868.2	4374.7	5053.1	5386.5	5323.2	4863.2
42.5°	2253.8	2281.2	2400.5	2708.6	3261.5	3936.8	4644.8	5492.1	5784.3	5733.7	5252.5
45°	2104.0	2128.2	2239.0	2529.2	3148.6	3970.5	4898.0	5912.0	6166.3	6109.3	5613.4
47.5°	1932.0	1964.7	2096.6	2360.4	2982.9	3949.4	5082.7	6277.1	6529.3	6487.1	5912.0
50°	1498.3	1532.1	1877.1	2202.1	2752.9	3861.9	5248.3	6642.2	6857.4	6817.3	6175.8
52.5°	1360.1	1374.9	1482.5	2020.6	2513.4	3688.8	5351.7	6942.9	7177.1	7137.0	6424.8
55°	1275.7	1286.2	1346.4	1650.3	2309.7	3410.2	5364.4	7255.2	7446.2	7393.4	6689.7
57.5°	1189.2	1200.8	1267.2	1423.4	2105.0	2974.5	5230.4	7520.1	7664.6	7607.6	6942.9
60°	1116.4	1122.7	1188.1	1295.7	1873.9	2541.9	4885.4	7700.5	7866.2	7792.3	7190.9
62.5°	1049.9	1058.3	1105.8	1203.9	1679.8	2217.9	4404.2	7701.5	7976.9	7931.6	7316.4
65°	963.4	976.0	1022.4	1111.1	1522.6	1996.3	3906.2	7567.5	7997.0	7929.5	7310.1
67.5°	863.1	878.9	921.1	991.8	1313.7	1760.0	3211.9	7391.3	7605.5	7593.9	7008.3
70°	762.9	762.9	810.4	867.3	1090.0	1506.8	2537.6	6763.5	7008.3	7026.3	6467.0
72.5°	643.6	645.8	682.7	732.3	877.9	1236.6	1848.6	5782.2	6533.5	6316.1	5832.9
75°	540.2	538.1	576.1	617.3	714.3	973.9	1206.0	4248.0	5971.1	6019.6	5133.3
77.5°	287.0	276.4	325.0	357.7	418.9	541.3	669.0	2130.4	4324.0	4419.0	4109.8
80°	81.2	82.3	215.3	240.6	275.4	268.0	310.2	812.5	1710.4	1927.8	2396.2
82.5°	48.5	55.9	122.4	143.5	107.6	69.6	118.2	451.6	885.3	991.8	1189.2
85°	25.3	27.4	43.3	53.8	41.2	34.8	35.9	189.9	430.5	437.9	474.8
87.5°	11.6	11.6	15.8	16.9	10.6	6.3	4.2	3.2	3.2	2.1	2.1
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°	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1	2125.1
2.5°	2094.5	2105.0	2087.1	2073.4	2062.8	2056.5	2049.1	2031.2	2036.4	2043.8	2042.8
5°	2105.0	2110.3	2078.6	2035.4	1995.3	1966.8	1947.8	1919.3	1919.3	1930.9	1930.9
7.5°	2114.5	2107.1	2042.8	1970.0	1924.6	1901.4	1870.8	1840.2	1834.9	1843.3	1844.4
10°	2119.8	2088.1	1998.5	1930.9	1871.8	1824.4	1785.3	1750.5	1749.4	1761.0	1763.2
12.5°	2143.0	2081.8	1995.3	1902.4	1813.8	1763.2	1716.7	1677.7	1664.0	1665.0	1667.1
15°	2178.9	2107.1	1991.1	1863.4	1767.4	1699.8	1632.3	1582.7	1570.1	1586.9	1593.3
17.5°	2222.1	2148.3	1971.0	1827.5	1710.4	1629.2	1561.6	1517.3	1477.2	1459.3	1456.1
20°	2279.1	2183.1	1981.6	1774.8	1655.5	1546.9	1462.4	1408.6	1374.9	1372.8	1370.6
22.5°	2354.0	2222.1	1983.7	1739.9	1569.0	1456.1	1351.6	1321.0	1260.9	1238.7	1248.2
25°	2453.2	2281.2	1978.4	1703.0	1502.5	1350.6	1225.0	1169.1	1146.9	1121.6	1123.7
27.5°	2580.9	2375.1	1992.1	1654.5	1393.9	1221.9	1081.5	1021.4	987.6	966.5	969.7
30°	2840.5	2517.6	1991.1	1608.1	1293.6	1088.9	930.6	890.5	856.8	837.8	847.3
32.5°	3209.8	2826.8	2035.4	1545.8	1179.7	910.6	804.0	758.7	730.2	709.1	714.3
35°	3666.7	3163.3	2149.3	1461.4	1049.9	774.5	701.7	645.8	610.9	602.5	599.3
37.5°	4090.8	3460.9	2257.0	1405.5	901.1	699.6	607.8	551.8	521.2	531.8	531.8
40°	4469.6	3855.5	2378.3	1315.8	766.0	614.1	503.3	478.0	462.2	480.1	486.4
42.5°	4755.6	4234.3	2542.9	1197.6	656.3	512.8	430.5	448.4	454.8	467.4	464.3
45°	5110.1	4450.6	2705.4	1087.9	560.3	427.3	415.7	452.7	467.4	479.0	473.8
47.5°	5436.1	4618.4	2672.7	885.3	471.7	413.6	423.1	452.7	478.0	497.0	493.8
50°	5716.8	4828.4	2610.4	688.0	452.7	426.3	430.5	441.1	479.0	491.7	491.7
52.5°	5892.0	5036.2	2533.4	556.1	466.4	442.1	434.7	433.7	459.0	468.5	460.0
55°	6103.0	5251.5	2334.0	516.0	471.7	452.7	446.3	436.8	444.2	436.8	441.1
57.5°	6337.2	5463.6	2028.0	504.4	468.5	449.5	483.3	432.6	428.4	402.0	395.7
60°	6543.0	5546.9	1760.0	478.0	451.6	441.1	449.5	427.3	406.2	371.4	357.7
62.5°	6620.0	5539.5	1487.8	450.5	426.3	428.4	427.3	411.5	392.5	357.7	349.3
65°	6527.2	5370.7	1206.0	417.8	406.2	414.7	404.1	380.9	349.3	320.8	313.4
67.5°	6212.7	4940.2	895.8	374.6	373.5	389.4	382.0	350.3	315.5	293.3	293.3
70°	5611.3	4410.5	580.3	311.3	334.5	361.9	361.9	328.2	282.8	263.8	269.1
72.5°	4952.9	3795.4	375.6	231.1	263.8	328.2	326.0	302.8	260.6	236.4	237.4
75°	4290.2	3011.4	242.7	159.3	170.9	279.6	289.1	246.9	202.6	173.0	167.8
77.5°	3261.5	2265.4	154.1	92.9	108.7	170.9	219.5	205.8	206.8	252.2	250.1
80°	2005.8	1365.4	111.8	45.4	53.8	111.8	177.3	196.3	275.4	181.5	166.7
82.5°	1004.5	638.4	59.1	27.4	30.6	49.6	105.5	235.3	200.5	120.3	114.0
85°	375.6	172.0	17.9	13.7	16.9	25.3	43.3	215.3	127.7	96.0	93.9
87.5°	2.1	3.2	3.2	4.2	6.3	7.4	15.8	102.3	64.4	46.4	44.3
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)