

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: P233476

Luminaire Tested: **VERD-C02H6-D-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233476
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-T2-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1250mA LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11310 lumens
Efficiency: N/A
Efficacy: 115.4 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

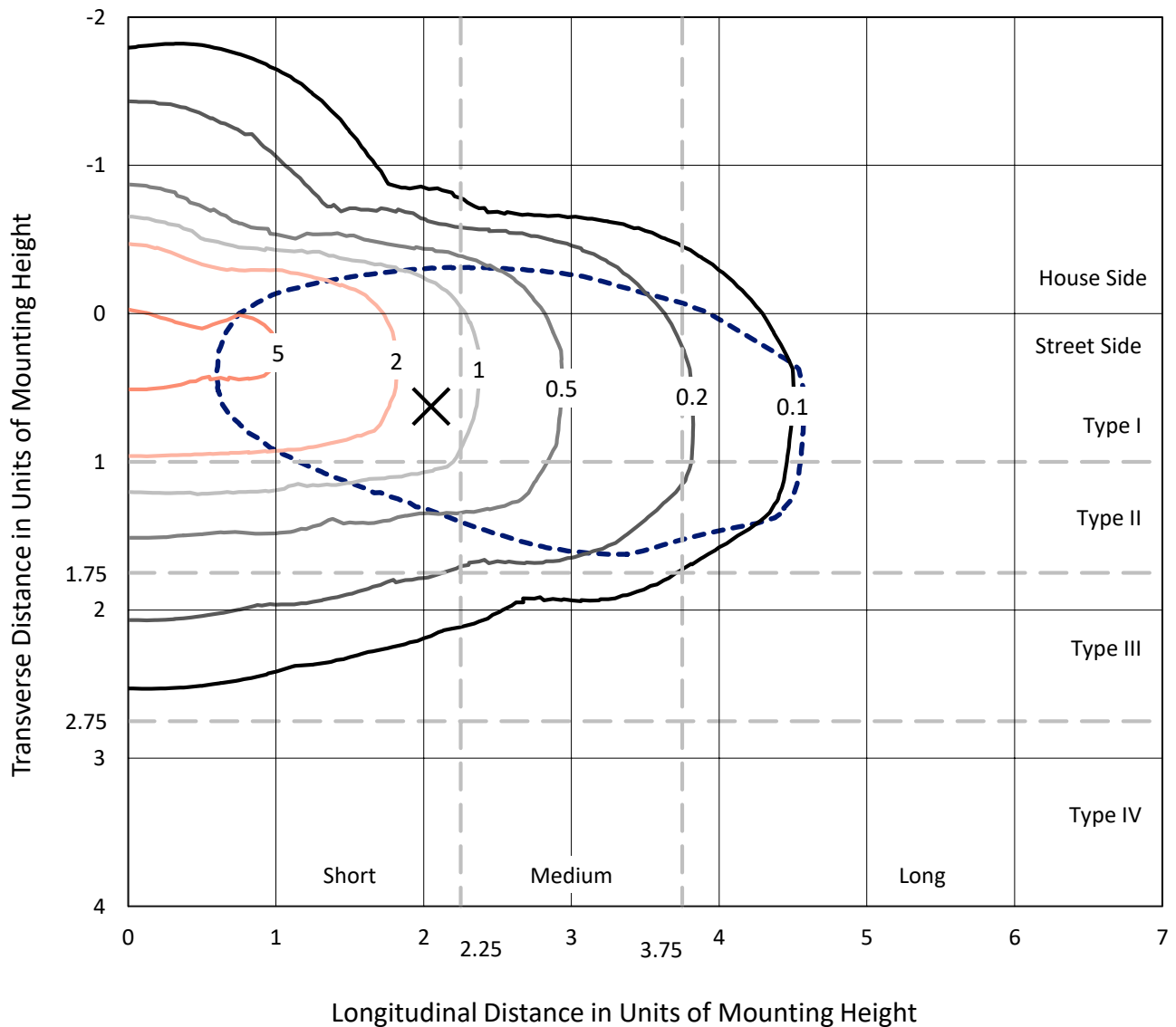
Input Watts (W): 98
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

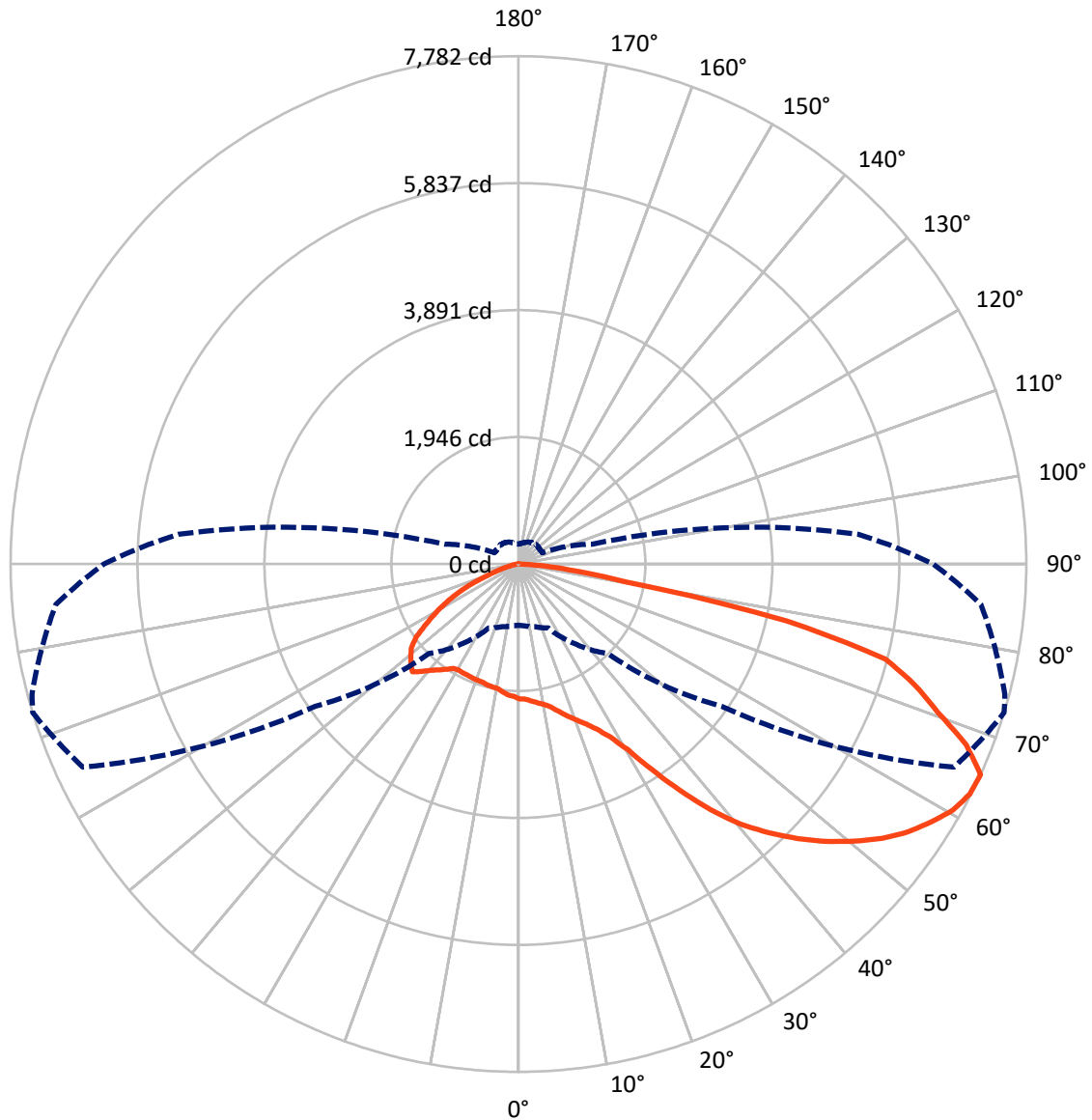


Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - Non-Cutoff

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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
House Side	Lumens	2899.3	0.0	2899.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	8410.7	0.0	8410.7
	% Fixture	74.4	0.0	74.4
Total	Lumens	11310.0	0.0	11310.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	1.7
10°-20°	596.7	5.3
20°-30°	1000.9	8.8
30°-40°	1467.8	13.0
40°-50°	1983.8	17.5
50°-60°	2298.1	20.3
60°-70°	2244.8	19.8
70°-80°	1348.0	11.9
80°-90°	172.6	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°	11310.0	100.0
0°-180°	11310.0	100.0



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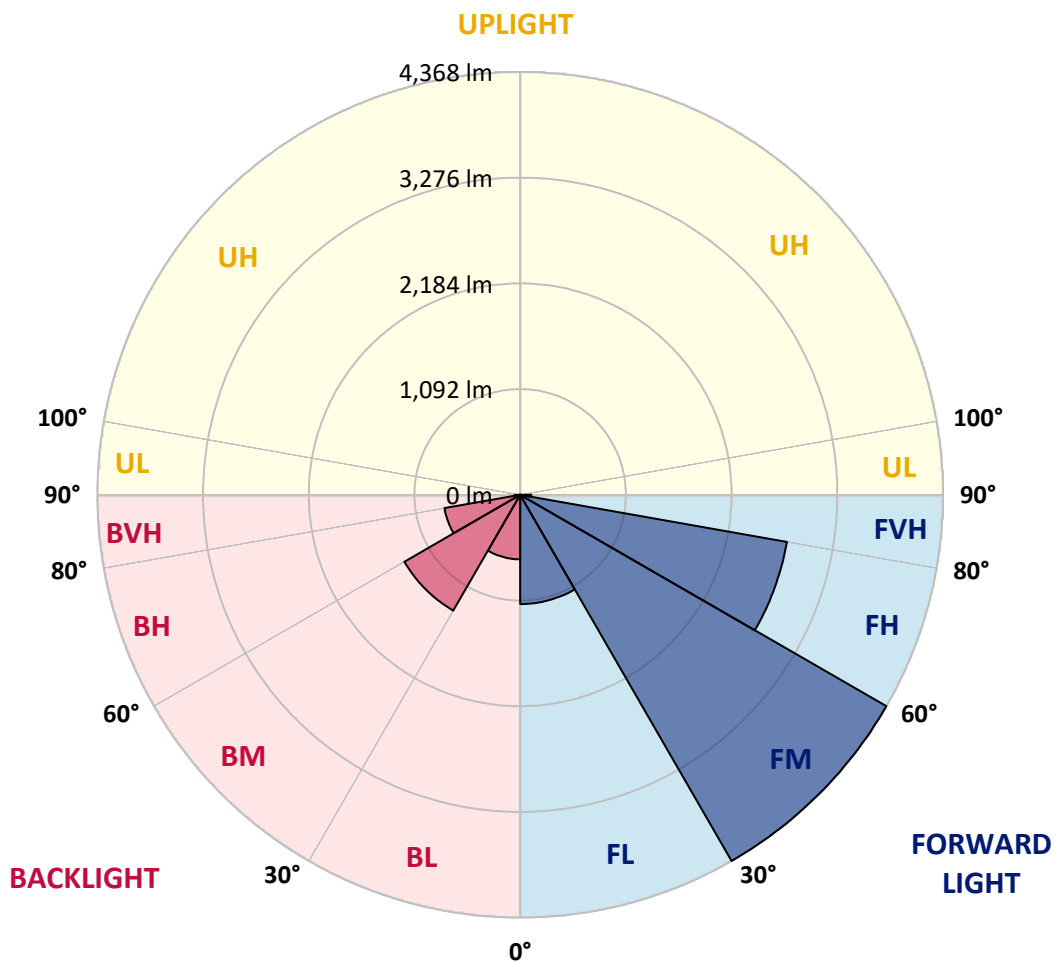
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1128.5	10.0			
FM (30°-60°)	4368.3	38.6			
FH (60°-80°)	2799.0	24.7			G2/5000
FVH (80°-90°)	115.0	1.0			G2/225
BL (0°-30°)	666.4	5.9	B2/1000		
BM (30°-60°)	1381.4	12.2	B2/2500		
BH (60°-80°)	793.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	57.7	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°	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0
2.5°	2195.4	2203.6	2194.3	2167.6	2154.3	2145.0	2117.3	2092.7	2073.2	2071.1	2052.6
5°	2279.6	2291.9	2276.5	2242.6	2229.2	2209.7	2178.9	2145.0	2110.1	2102.9	2066.0
7.5°	2386.3	2388.4	2380.2	2346.3	2318.6	2277.5	2224.1	2188.2	2148.1	2136.8	2078.3
10°	2476.7	2475.7	2465.4	2432.5	2404.8	2368.9	2293.9	2235.4	2188.2	2173.8	2092.7
12.5°	2563.0	2560.9	2550.6	2516.7	2481.8	2452.1	2395.6	2316.5	2252.9	2234.4	2133.7
15°	2669.7	2664.6	2648.2	2603.0	2575.3	2540.4	2499.3	2420.2	2347.3	2321.7	2193.3
17.5°	2751.9	2750.9	2738.5	2700.6	2667.7	2629.7	2591.7	2530.1	2451.0	2422.3	2251.8
20°	2799.1	2795.0	2791.9	2762.2	2753.9	2733.4	2679.0	2631.8	2552.7	2522.9	2317.5
22.5°	2849.4	2850.5	2851.5	2836.1	2859.7	2842.3	2802.2	2744.7	2664.6	2630.7	2410.0
25°	2860.7	2862.8	2883.3	2917.2	2946.0	2977.8	2949.0	2892.6	2806.3	2770.4	2536.3
27.5°	2828.9	2837.1	2898.7	2956.2	3057.9	3099.0	3093.8	3090.7	3002.4	2966.5	2709.8
30°	2857.7	2857.7	2899.8	2998.3	3126.7	3234.5	3258.1	3323.8	3297.1	3271.5	3001.4
32.5°	2771.4	2786.8	2861.8	2999.4	3202.7	3359.8	3466.6	3649.3	3755.1	3733.5	3414.2
35°	2609.2	2629.7	2739.6	2950.1	3240.7	3507.6	3698.6	4050.8	4255.2	4280.8	3911.2
37.5°	2483.9	2501.3	2638.9	2873.1	3255.0	3646.3	3966.6	4502.6	4766.5	4753.2	4332.2
40°	2330.9	2361.7	2500.3	2781.7	3221.2	3764.3	4257.2	4917.5	5241.9	5180.3	4732.6
42.5°	2193.3	2220.0	2336.0	2635.9	3173.9	3831.1	4520.1	5344.6	5629.1	5579.8	5111.5
45°	2047.5	2071.1	2178.9	2461.3	3064.0	3863.9	4766.5	5753.3	6000.8	5945.3	5462.7
47.5°	1880.1	1911.9	2040.3	2297.0	2902.8	3843.4	4946.2	6108.6	6354.0	6312.9	5753.3
50°	1458.1	1491.0	1826.7	2143.0	2679.0	3758.2	5107.4	6463.9	6673.3	6634.3	6010.0
52.5°	1323.6	1338.0	1442.7	1966.4	2445.9	3589.8	5208.1	6756.5	6984.5	6945.4	6252.3
55°	1241.4	1251.7	1310.2	1606.0	2247.7	3318.7	5220.4	7060.4	7246.3	7195.0	6510.1
57.5°	1157.2	1168.5	1233.2	1385.2	2048.5	2894.6	5090.0	7318.2	7458.9	7403.4	6756.5
60°	1086.4	1092.5	1156.2	1260.9	1823.6	2473.6	4754.2	7493.8	7655.0	7583.1	6997.8
62.5°	1021.7	1029.9	1076.1	1171.6	1634.7	2158.4	4286.0	7494.8	7762.8	7718.6	7120.0
65°	937.5	949.8	995.0	1081.2	1481.7	1942.8	3801.3	7364.4	7782.3	7716.6	7113.8
67.5°	839.9	855.3	896.4	965.2	1278.4	1712.7	3125.7	7192.9	7401.4	7390.1	6820.2
70°	742.4	742.4	788.6	844.1	1060.7	1466.3	2469.5	6581.9	6820.2	6837.6	6293.4
72.5°	626.4	628.4	664.4	712.6	854.3	1203.4	1799.0	5627.0	6358.1	6146.6	5676.3
75°	525.7	523.7	560.6	600.7	695.2	947.8	1173.7	4134.0	5810.8	5858.0	4995.5
77.5°	279.3	269.0	316.3	348.1	407.6	526.8	651.0	2073.2	4207.9	4300.3	3999.5
80°	79.1	80.1	209.5	234.1	268.0	260.8	301.9	790.7	1664.5	1876.0	2331.9
82.5°	47.2	54.4	119.1	139.6	104.7	67.8	115.0	439.5	861.5	965.2	1157.2
85°	24.6	26.7	42.1	52.4	40.0	33.9	34.9	184.8	418.9	426.1	462.1
87.5°	11.3	11.3	15.4	16.4	10.3	6.2	4.1	3.1	3.1	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°	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0	2068.0
2.5°	2038.2	2048.5	2031.1	2017.7	2007.4	2001.3	1994.1	1976.6	1981.8	1989.0	1987.9
5°	2048.5	2053.7	2022.8	1980.7	1941.7	1914.0	1895.5	1867.8	1867.8	1879.1	1879.1
7.5°	2057.8	2050.6	1987.9	1917.1	1872.9	1850.3	1820.6	1790.8	1785.6	1793.9	1794.9
10°	2062.9	2032.1	1944.8	1879.1	1821.6	1775.4	1737.4	1703.5	1702.5	1713.8	1715.8
12.5°	2085.5	2025.9	1941.7	1851.4	1765.1	1715.8	1670.6	1632.7	1619.3	1620.3	1622.4
15°	2120.4	2050.6	1937.6	1813.4	1719.9	1654.2	1588.5	1540.2	1527.9	1544.3	1550.5
17.5°	2162.5	2090.6	1918.1	1778.5	1664.5	1585.4	1519.7	1476.6	1437.6	1420.1	1417.0
20°	2217.9	2124.5	1928.4	1727.1	1611.1	1505.3	1423.2	1370.8	1338.0	1335.9	1333.8
22.5°	2290.8	2162.5	1930.4	1693.2	1526.9	1417.0	1315.4	1285.6	1227.1	1205.5	1214.7
25°	2387.4	2220.0	1925.3	1657.3	1462.2	1314.3	1192.1	1137.7	1116.2	1091.5	1093.6
27.5°	2511.6	2311.4	1938.6	1610.1	1356.4	1189.1	1052.5	994.0	961.1	940.6	943.7
30°	2764.2	2450.0	1937.6	1564.9	1258.9	1059.7	905.7	866.6	833.8	815.3	824.5
32.5°	3123.6	2750.9	1980.7	1504.3	1148.0	886.2	782.4	738.3	710.6	690.0	695.2
35°	3568.2	3078.4	2091.6	1422.2	1021.7	753.7	682.8	628.4	594.5	586.3	583.2
37.5°	3981.0	3368.0	2196.4	1367.7	876.9	680.8	591.5	537.0	507.3	517.5	517.5
40°	4349.6	3752.0	2314.5	1280.5	745.5	597.6	489.8	465.2	449.7	467.2	473.4
42.5°	4627.9	4120.6	2474.6	1165.4	638.7	499.0	418.9	436.4	442.6	454.9	451.8
45°	4972.9	4331.1	2632.8	1058.7	545.2	415.9	404.6	440.5	454.9	466.2	461.0
47.5°	5290.2	4494.4	2600.9	861.5	459.0	402.5	411.8	440.5	465.2	483.6	480.6
50°	5563.3	4698.8	2540.4	669.5	440.5	414.8	418.9	429.2	466.2	478.5	478.5
52.5°	5733.8	4901.0	2465.4	541.1	453.9	430.2	423.1	422.0	446.7	455.9	447.7
55°	5939.2	5110.5	2271.3	502.1	459.0	440.5	434.3	425.1	432.3	425.1	429.2
57.5°	6167.1	5316.9	1973.6	490.8	455.9	437.4	470.3	421.0	416.9	391.2	385.1
60°	6367.3	5398.0	1712.7	465.2	439.5	429.2	437.4	415.9	395.3	361.4	348.1
62.5°	6442.3	5390.8	1447.8	438.5	414.8	416.9	415.9	400.5	382.0	348.1	339.9
65°	6351.9	5226.5	1173.7	406.6	395.3	403.5	393.3	370.7	339.9	312.2	305.0
67.5°	6045.9	4807.6	871.8	364.5	363.5	378.9	371.7	340.9	307.0	285.5	285.5
70°	5460.7	4292.1	564.8	302.9	325.5	352.2	352.2	319.3	275.2	256.7	261.8
72.5°	4819.9	3693.5	365.5	224.9	256.7	319.3	317.3	294.7	253.6	230.0	231.0
75°	4175.1	2930.6	236.2	155.1	166.3	272.1	281.4	240.3	197.2	168.4	163.3
77.5°	3173.9	2204.6	149.9	90.4	105.8	166.3	213.6	200.2	201.3	245.4	243.4
80°	1952.0	1328.7	108.8	44.2	52.4	108.8	172.5	191.0	268.0	176.6	162.2
82.5°	977.5	621.2	57.5	26.7	29.8	48.3	102.7	229.0	195.1	117.1	110.9
85°	365.5	167.4	17.5	13.3	16.4	24.6	42.1	209.5	124.2	93.4	91.4
87.5°	2.1	3.1	3.1	4.1	6.2	7.2	15.4	99.6	62.6	45.2	43.1
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)