

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: P148099

Luminaire Tested: **AVS-E03-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148099
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-5WQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8723.8 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 75.2
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

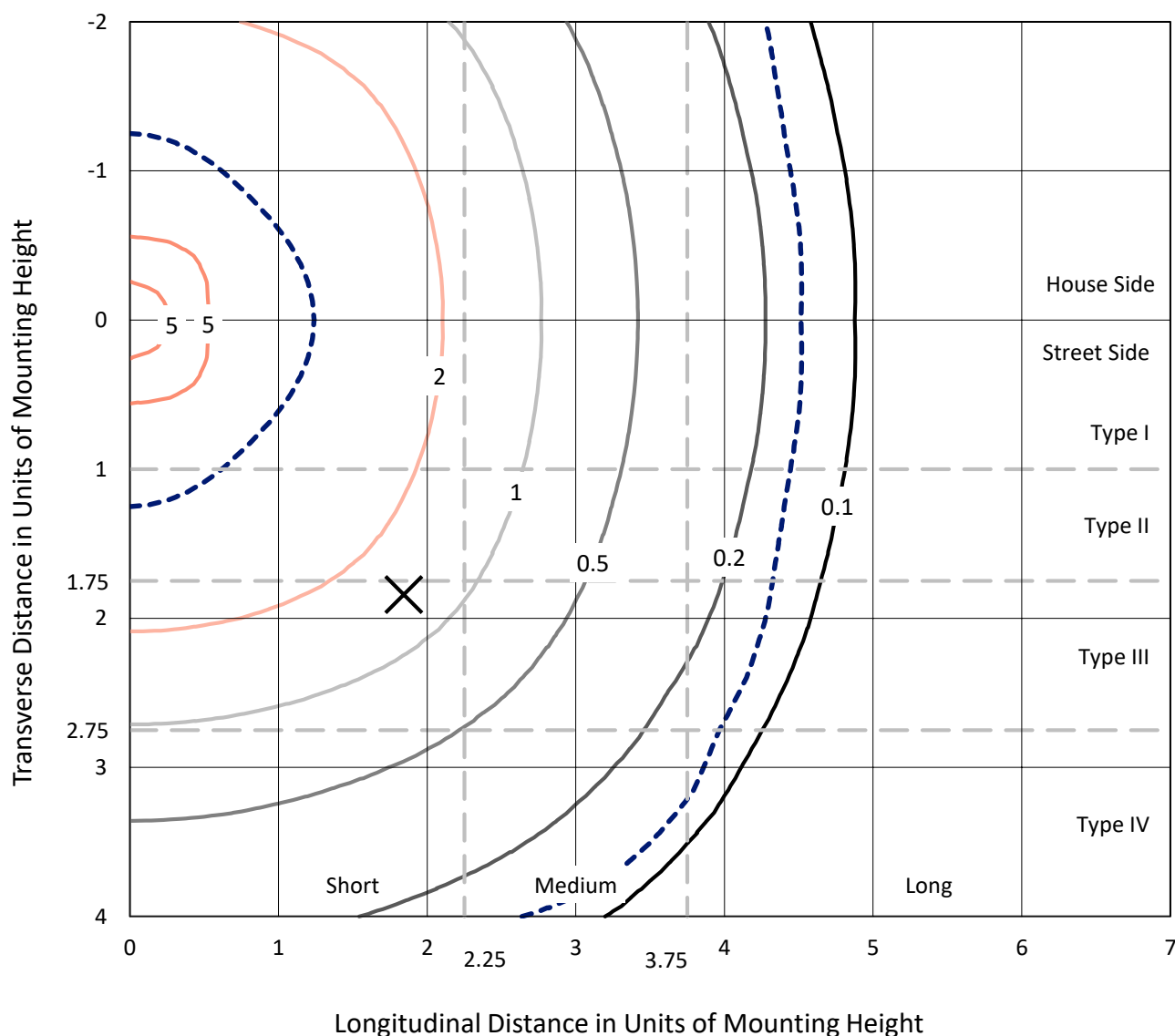


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

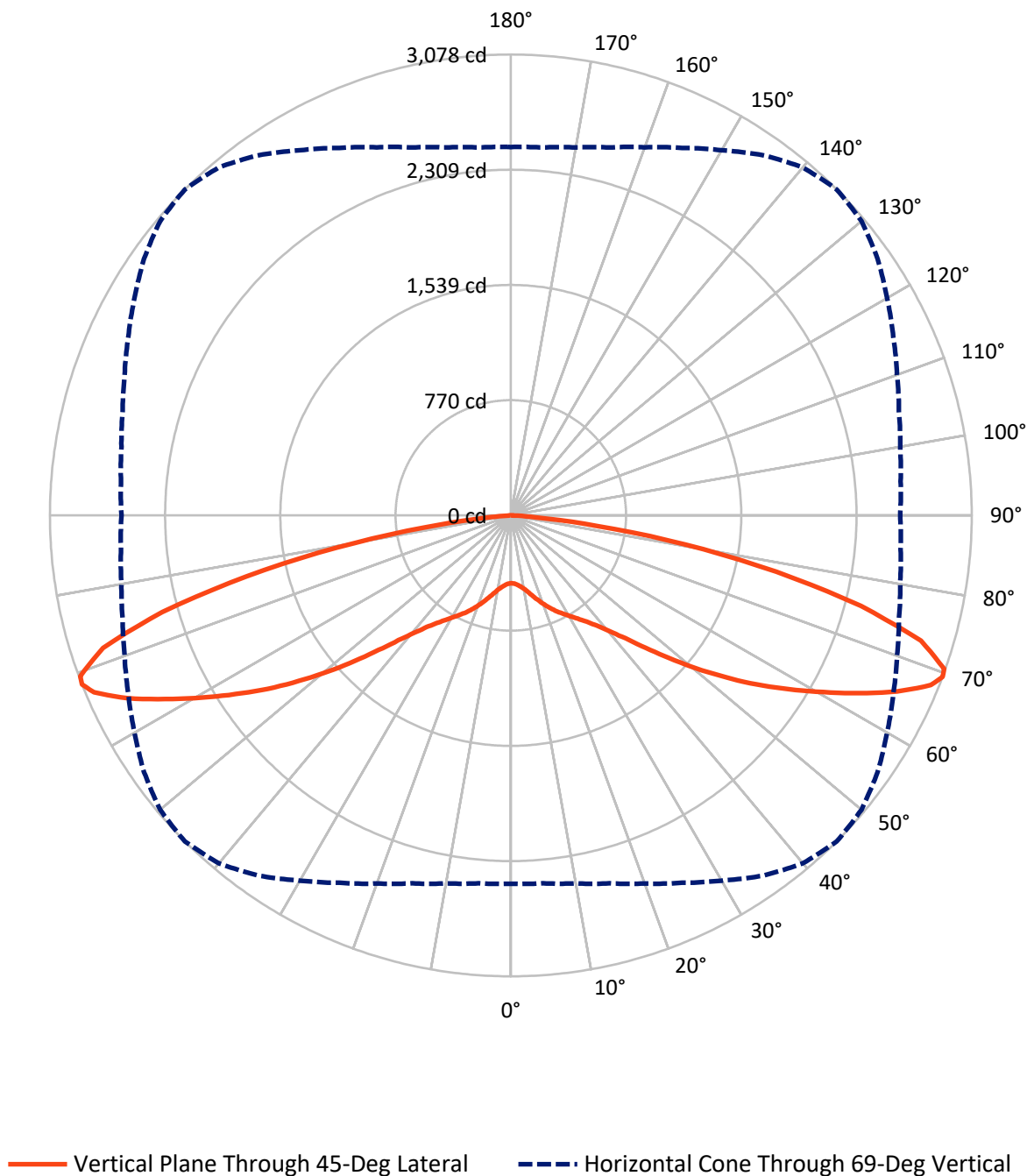


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4361.9	0.0	4361.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4361.9	0.0	4361.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8723.8	0.0	8723.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	0.5
10°-20°	160.6	1.8
20°-30°	325.3	3.7
30°-40°	545.3	6.3
40°-50°	961.9	11.0
50°-60°	1696.3	19.4
60°-70°	2589.7	29.7
70°-80°	2164.0	24.8
80°-90°	235.1	2.7
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°	8723.8	100.0
0°-180°	8723.8	100.0

Coefficient of Utilization



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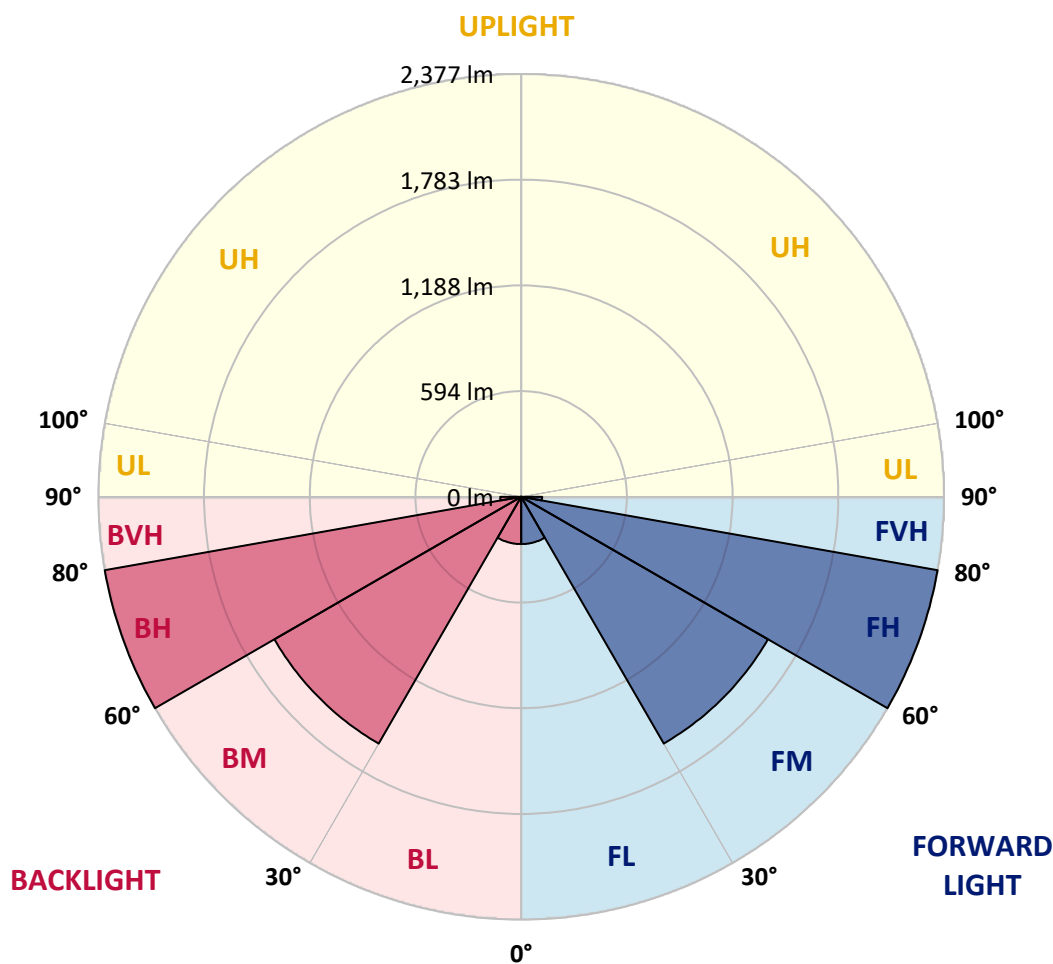
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.7	3.0			
FM	(30°-60°)	1601.7	18.4			
FH	(60°-80°)	2376.9	27.2			G2/5000
FVH	(80°-90°)	117.6	1.3			G2/225
BL	(0°-30°)	265.7	3.0	B1/500		
BM	(30°-60°)	1601.7	18.4	B2/2500		
BH	(60°-80°)	2376.9	27.2	B3/2500		G2/5000
BVH	(80°-90°)	117.6	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1
2.5°	456.7	457.6	456.7	456.7	456.7	456.7	456.7	455.8	455.8	455.8	456.7
5°	465.8	466.7	465.8	466.7	466.7	466.7	466.7	465.8	465.8	465.8	465.8
7.5°	480.4	480.4	480.4	481.3	480.4	480.4	481.3	480.4	480.4	480.4	480.4
10°	501.5	500.5	500.5	500.5	500.5	500.5	501.5	501.5	501.5	500.5	500.5
12.5°	527.0	526.1	527.0	527.0	527.9	527.9	527.9	527.9	527.9	527.9	527.0
15°	558.0	558.0	558.0	559.0	560.8	560.8	559.9	560.8	560.8	560.8	560.8
17.5°	592.7	594.6	592.7	593.7	594.6	593.7	595.5	596.4	597.3	596.4	593.7
20°	628.4	629.3	629.3	629.3	629.3	631.1	632.0	632.0	634.8	633.9	633.0
22.5°	662.2	664.0	664.0	664.9	664.9	667.7	667.7	667.7	669.5	671.3	669.5
25°	697.8	696.9	696.9	698.8	699.6	703.3	703.3	705.1	707.9	708.8	706.9
27.5°	729.7	728.8	728.8	731.6	732.5	737.1	737.1	740.7	742.6	743.4	741.7
30°	763.5	763.5	762.7	765.4	768.1	771.8	773.6	777.3	780.0	780.9	779.1
32.5°	803.7	802.0	802.8	804.7	806.5	810.2	812.8	817.4	821.1	822.0	820.2
35°	849.4	846.6	847.6	849.4	852.1	857.6	862.2	865.0	870.5	872.2	868.6
37.5°	899.7	900.5	899.7	904.2	908.8	915.1	920.6	924.4	929.7	932.5	929.7
40°	970.9	968.2	970.9	975.4	982.8	991.0	1002.0	1004.7	1010.2	1015.6	1009.2
42.5°	1063.1	1061.3	1067.7	1071.4	1079.6	1088.7	1102.4	1109.7	1117.9	1121.6	1116.2
45°	1183.7	1183.7	1191.0	1191.9	1204.7	1216.6	1235.8	1244.9	1260.4	1260.4	1260.4
47.5°	1317.1	1322.5	1327.0	1336.3	1345.4	1367.3	1386.4	1406.5	1421.1	1423.0	1420.3
50°	1454.9	1460.4	1474.2	1486.9	1507.0	1534.4	1555.4	1582.0	1594.7	1605.7	1602.0
52.5°	1607.5	1608.4	1624.9	1641.2	1670.5	1700.6	1734.4	1761.9	1784.7	1794.7	1786.5
55°	1774.6	1776.5	1791.1	1808.4	1841.3	1876.1	1918.0	1946.3	1975.5	1993.9	1980.1
57.5°	1955.4	1956.4	1971.0	1992.0	2031.3	2066.0	2106.2	2146.4	2173.8	2190.3	2181.0
60°	2155.5	2160.1	2171.0	2197.5	2234.9	2271.5	2311.7	2347.4	2379.3	2396.6	2387.5
62.5°	2369.2	2373.8	2389.3	2410.4	2443.2	2483.4	2521.8	2567.5	2593.9	2613.1	2599.4
65°	2512.6	2520.8	2545.5	2573.8	2622.3	2674.3	2719.1	2781.1	2813.2	2836.0	2823.2
67.5°	2521.8	2526.3	2556.5	2599.4	2664.2	2742.8	2834.1	2931.0	2994.0	3024.1	3002.2
69°	2459.7	2466.0	2495.2	2543.7	2615.9	2707.2	2815.9	2936.4	3033.3	3078.0	3057.0
70°	2389.3	2403.0	2435.0	2488.0	2558.3	2654.2	2766.5	2895.3	3008.6	3069.7	3054.2
72.5°	2241.3	2245.0	2266.0	2308.1	2362.0	2441.3	2547.4	2668.8	2776.6	2864.2	2877.1
75°	1989.3	2001.1	2016.7	2045.0	2072.4	2129.9	2201.1	2284.2	2347.4	2414.9	2417.6
77.5°	1503.4	1539.0	1550.9	1557.3	1569.1	1614.8	1676.9	1749.0	1801.1	1812.1	1810.3
80°	674.9	722.5	733.5	785.5	817.4	893.3	988.3	1098.8	1172.7	1180.9	1160.8
82.5°	132.4	141.6	165.3	206.4	281.3	326.1	388.2	465.8	537.1	578.1	553.5
85°	43.8	46.6	53.9	59.4	68.5	77.6	94.1	116.9	145.2	160.7	143.4
87.5°	17.3	17.3	20.1	22.0	23.7	23.7	23.7	22.0	21.0	17.3	15.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1
2.5°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
5°	465.8	464.9	464.9	463.9	463.9	463.9	463.9	463.9
7.5°	479.5	478.5	477.7	478.5	477.7	477.7	477.7	477.7
10°	500.5	498.7	497.8	496.9	496.9	496.9	496.0	496.0
12.5°	525.2	525.2	524.2	523.3	521.6	522.5	521.6	519.7
15°	559.0	557.1	556.3	555.3	553.5	553.5	553.5	552.5
17.5°	592.7	591.0	591.0	588.2	587.3	587.3	587.3	588.2
20°	630.3	627.5	625.6	623.8	622.0	622.9	621.0	622.9
22.5°	667.7	664.0	662.2	659.5	656.7	656.7	655.8	654.0
25°	704.1	699.6	697.8	695.0	691.4	691.4	689.5	687.8
27.5°	738.9	734.3	732.5	727.0	723.4	722.5	720.6	719.7
30°	777.3	771.8	769.0	763.5	758.0	757.2	754.4	754.4
32.5°	817.4	811.9	810.2	802.0	797.3	797.3	795.5	793.7
35°	867.7	859.5	857.6	849.4	843.0	843.0	841.2	842.1
37.5°	927.0	920.6	914.3	907.9	900.5	899.7	897.8	896.0
40°	1006.5	999.2	991.9	982.8	976.4	974.5	971.8	970.9
42.5°	1112.4	1105.2	1090.6	1083.2	1076.9	1071.4	1070.5	1069.5
45°	1247.7	1238.5	1228.5	1214.7	1206.5	1194.6	1192.8	1188.3
47.5°	1410.3	1392.8	1375.5	1363.6	1350.9	1337.1	1334.4	1327.0
50°	1582.8	1569.1	1539.9	1520.7	1500.6	1486.9	1477.8	1475.0
52.5°	1768.3	1742.7	1713.5	1687.9	1658.7	1640.4	1623.9	1619.4
55°	1961.9	1925.4	1888.8	1858.7	1829.4	1807.6	1792.0	1784.7
57.5°	2155.5	2115.3	2075.1	2042.3	2017.6	1989.3	1973.8	1970.1
60°	2357.3	2319.0	2277.9	2245.0	2214.9	2190.3	2181.0	2163.7
62.5°	2571.1	2530.9	2492.5	2460.5	2422.2	2404.9	2389.3	2379.3
65°	2781.1	2734.6	2686.1	2652.3	2614.0	2589.3	2570.2	2556.5
67.5°	2943.7	2873.4	2808.6	2751.9	2699.9	2661.6	2636.9	2624.0
69°	2989.4	2901.8	2818.5	2744.7	2683.4	2640.5	2613.1	2600.3
70°	2983.9	2887.2	2795.8	2714.5	2647.8	2602.2	2575.6	2551.9
72.5°	2814.9	2726.3	2625.0	2536.4	2476.1	2432.2	2405.8	2393.0
75°	2402.1	2342.7	2269.6	2201.1	2157.3	2131.7	2098.9	2099.8
77.5°	1749.0	1750.9	1701.6	1631.3	1582.0	1572.7	1558.1	1543.5
80°	1085.1	998.3	941.7	865.9	810.2	761.8	740.7	695.0
82.5°	500.5	390.9	303.2	229.2	176.3	137.9	120.5	98.7
85°	111.4	85.0	70.4	56.6	48.4	44.8	36.6	33.8
87.5°	15.5	13.7	12.7	11.9	10.1	7.4	5.5	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)