

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: P148635

Luminaire Tested: **AVS-F04-LED-E-U-5XQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148635
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F04-LED-E-U-5XQ
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10501.9 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

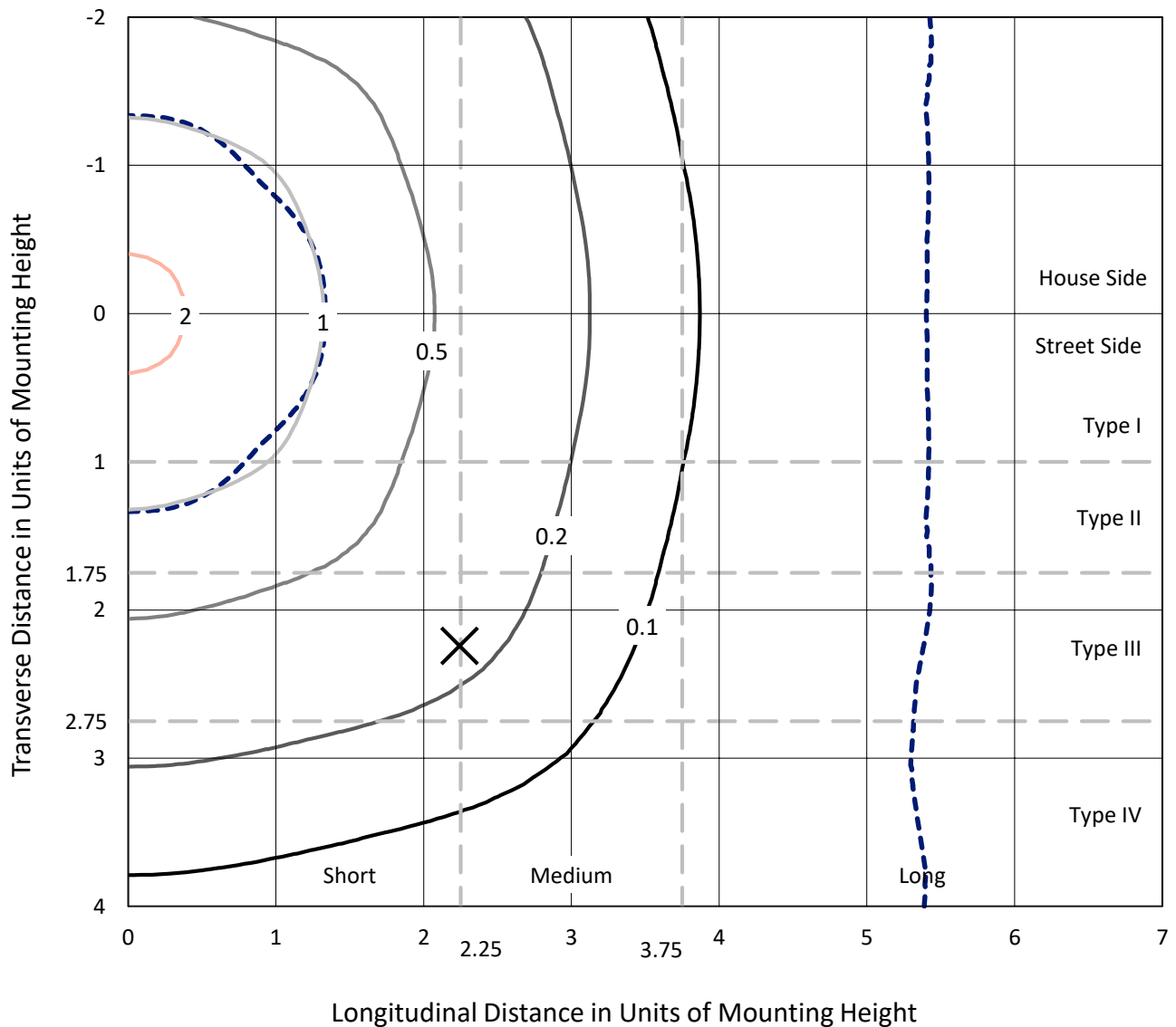
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

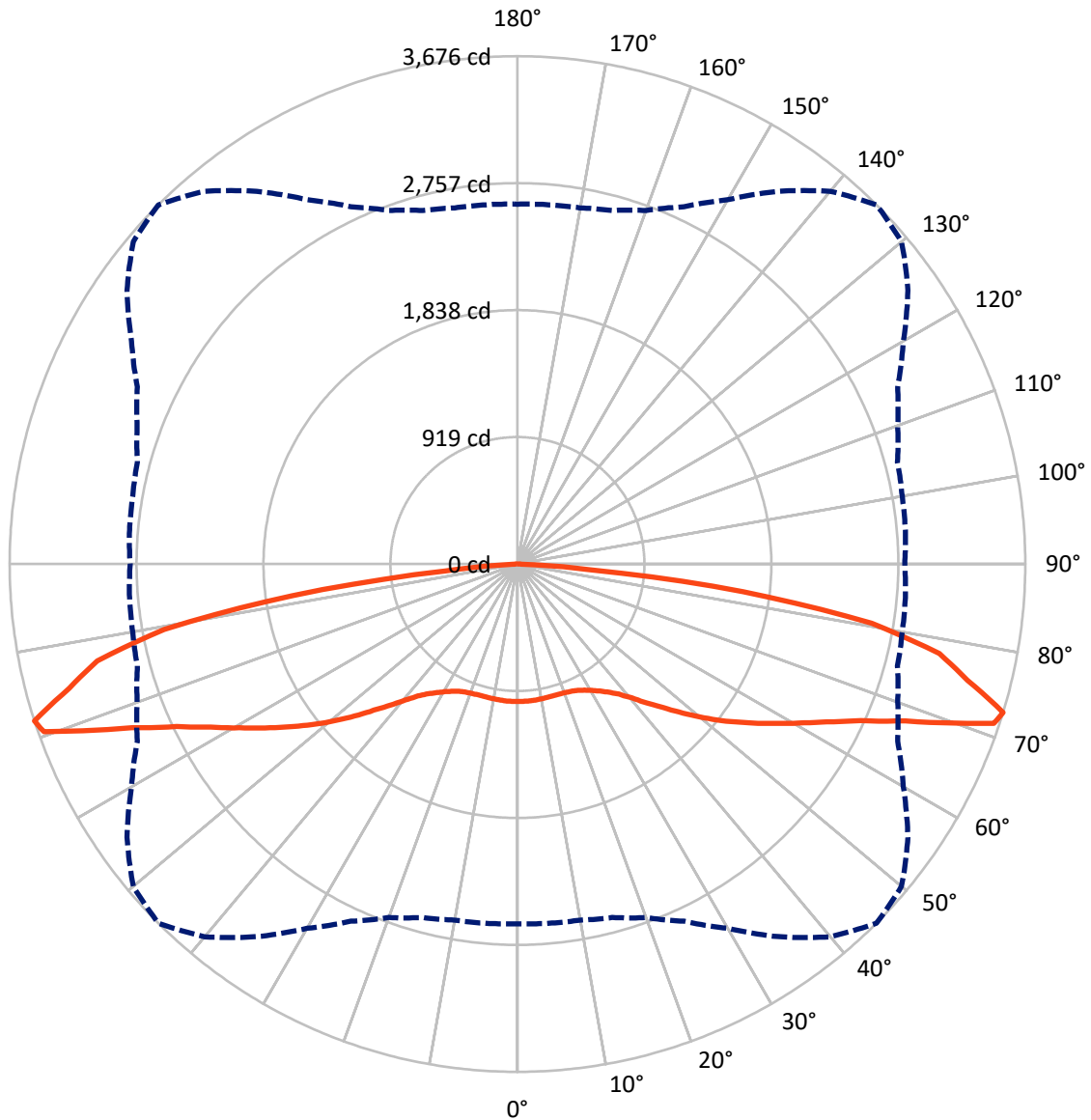


Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5251.0	0.0	5251.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5251.0	0.0	5251.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10501.9	0.0	10501.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	0.9
10°-20°	280.5	2.7
20°-30°	469.7	4.5
30°-40°	716.1	6.8
40°-50°	1143.5	10.9
50°-60°	1758.2	16.7
60°-70°	2559.9	24.4
70°-80°	2883.8	27.5
80°-90°	595.3	5.7
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°	10501.9	100.0
0°-180°	10501.9	100.0



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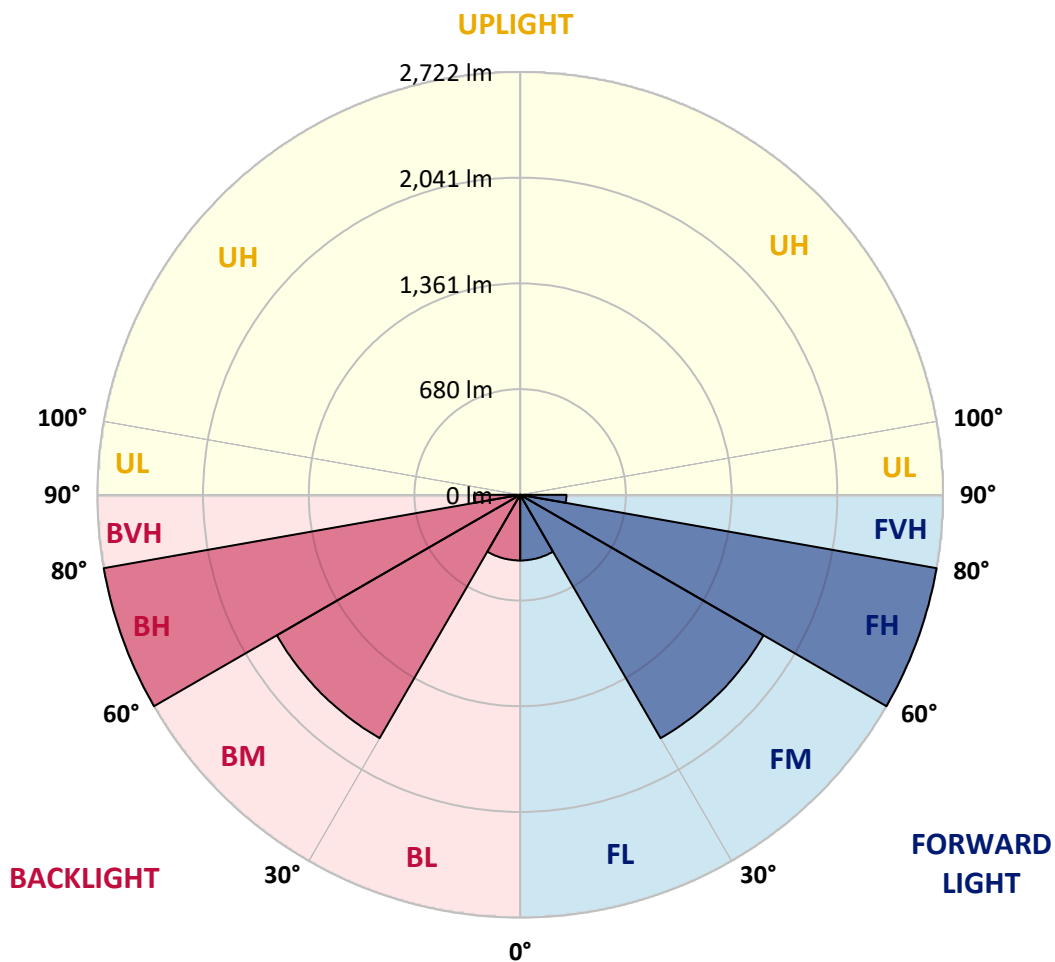
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.5	4.0			
FM (30°-60°)	1808.9	17.2			
FH (60°-80°)	2721.9	25.9			G2/5000
FVH (80°-90°)	297.7	2.8			G3/500
BL (0°-30°)	422.5	4.0	B1/500		
BM (30°-60°)	1808.9	17.2	B2/2500		
BH (60°-80°)	2721.9	25.9	B4/5000		G2/5000
BVH (80°-90°)	297.7	2.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	996.7	997.2	996.9	996.4	996.7	996.5	995.9	995.6	993.7	994.7	996.5
5°	996.7	996.2	995.9	995.5	995.6	996.4	995.5	994.8	994.5	995.0	994.2
7.5°	996.1	995.0	994.5	994.2	994.5	994.7	993.9	992.8	993.7	992.8	991.7
10°	994.4	993.7	993.9	992.8	993.2	992.8	991.7	990.9	991.5	990.7	989.2
12.5°	995.0	993.7	993.4	992.8	992.5	992.3	990.9	989.5	989.8	989.2	987.9
15°	995.0	994.2	994.0	992.8	992.5	992.0	990.4	989.7	989.8	989.0	987.4
17.5°	995.6	995.0	995.0	993.7	993.2	992.8	990.9	990.1	990.9	989.2	988.2
20°	997.3	996.7	996.9	996.1	995.0	995.0	993.7	993.2	993.4	993.2	990.1
22.5°	1000.5	1000.5	1001.0	1000.8	1000.5	1000.8	999.7	999.7	1000.0	1000.0	997.5
25°	1009.9	1009.6	1010.2	1010.2	1010.5	1012.4	1011.6	1011.3	1012.6	1012.6	1010.2
27.5°	1027.6	1026.9	1027.6	1028.1	1029.4	1031.9	1031.3	1032.2	1034.4	1033.8	1031.7
30°	1047.9	1047.4	1048.7	1050.4	1051.4	1055.3	1053.7	1057.8	1059.7	1061.3	1059.7
32.5°	1077.6	1077.6	1080.1	1081.1	1083.6	1087.5	1088.1	1091.3	1093.9	1096.6	1094.7
35°	1117.2	1116.7	1118.5	1120.5	1123.5	1127.0	1128.5	1132.8	1136.7	1138.7	1135.1
37.5°	1177.8	1174.7	1178.2	1179.4	1181.9	1182.7	1186.6	1192.1	1196.2	1195.6	1193.2
40°	1259.8	1259.2	1257.8	1256.2	1260.0	1261.3	1261.5	1268.8	1275.4	1274.3	1274.1
42.5°	1355.4	1353.1	1351.4	1351.4	1353.6	1354.1	1362.7	1368.2	1372.8	1374.0	1372.8
45°	1458.4	1456.0	1456.5	1455.4	1456.3	1459.8	1464.8	1474.9	1483.7	1484.0	1479.4
47.5°	1569.0	1561.3	1567.4	1558.9	1564.0	1566.8	1579.2	1594.1	1609.5	1612.2	1608.1
50°	1681.2	1680.5	1680.0	1678.3	1680.8	1686.8	1702.0	1725.4	1740.2	1750.1	1743.5
52.5°	1804.0	1799.9	1798.0	1795.2	1797.7	1809.5	1830.8	1851.1	1877.8	1889.1	1880.0
55°	1923.5	1922.1	1915.0	1914.7	1919.9	1938.3	1961.5	1986.5	2015.3	2028.0	2024.7
57.5°	2046.2	2038.2	2036.1	2032.7	2043.2	2060.5	2088.9	2134.0	2163.9	2178.2	2169.9
60°	2166.2	2160.1	2155.4	2154.4	2161.5	2185.7	2226.4	2280.6	2317.8	2336.6	2323.3
62.5°	2294.9	2291.1	2285.6	2279.3	2294.4	2325.5	2376.2	2436.1	2490.9	2514.0	2493.9
65°	2455.1	2447.2	2441.0	2433.2	2445.5	2484.6	2548.1	2632.6	2706.1	2733.1	2718.8
67.5°	2624.0	2616.6	2617.2	2612.2	2634.2	2688.5	2770.5	2885.2	2983.7	3029.6	3002.7
70°	2771.6	2775.8	2776.8	2796.9	2834.8	2917.4	3053.9	3233.6	3383.0	3453.2	3424.2
71°	2728.1	2737.2	2751.2	2772.1	2837.6	2935.3	3121.7	3339.3	3517.5	3636.5	3596.5
72.5°	2604.8	2610.4	2617.5	2649.3	2723.4	2852.7	3044.6	3293.3	3522.5	3676.4	3630.1
75°	2426.5	2431.7	2434.2	2456.5	2523.9	2636.7	2812.3	3033.0	3235.2	3366.2	3353.3
77.5°	2157.3	2158.1	2177.4	2211.8	2287.5	2416.6	2601.5	2830.5	3020.6	3122.4	3057.7
80°	1549.3	1538.8	1558.7	1602.9	1696.5	1844.5	2033.8	2295.2	2506.3	2601.5	2501.3
82.5°	589.4	621.3	671.7	744.9	776.6	941.0	1117.7	1271.3	1449.1	1647.8	1597.9
85°	63.3	71.3	89.4	110.9	140.1	193.8	267.7	365.4	450.5	529.4	470.1
87.5°	23.6	24.2	26.9	31.1	31.6	33.1	35.2	41.0	38.2	33.0	26.7
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°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	995.0	995.3	995.0	995.3	995.3	994.2	994.5	994.0
5°	994.7	994.0	994.2	994.5	994.2	994.7	994.0	994.5
7.5°	993.4	991.7	992.3	992.3	991.7	992.5	992.0	991.7
10°	990.7	988.4	989.5	989.0	988.7	989.0	989.0	989.0
12.5°	988.2	986.7	987.0	986.7	986.5	987.4	987.0	987.4
15°	987.6	985.4	985.1	984.6	984.9	985.4	985.4	986.2
17.5°	987.0	984.2	984.0	983.4	983.7	984.9	985.1	984.7
20°	988.7	986.5	985.9	985.4	985.1	986.5	986.2	986.2
22.5°	996.5	993.6	993.4	991.2	990.4	991.2	990.7	990.7
25°	1008.8	1005.5	1004.4	1001.3	999.2	999.2	998.3	997.7
27.5°	1031.1	1026.1	1025.1	1022.6	1019.5	1020.1	1018.4	1018.1
30°	1057.0	1052.5	1048.7	1045.1	1041.6	1040.2	1038.2	1037.9
32.5°	1090.8	1085.8	1081.1	1076.8	1071.8	1069.8	1066.5	1064.9
35°	1132.3	1125.8	1120.2	1117.2	1112.2	1109.7	1107.6	1110.1
37.5°	1190.4	1182.4	1179.7	1176.1	1172.7	1168.9	1169.7	1168.9
40°	1270.8	1263.6	1260.8	1254.5	1253.7	1249.3	1252.0	1249.3
42.5°	1370.2	1356.9	1355.0	1350.1	1348.4	1345.9	1346.9	1345.1
45°	1478.2	1466.4	1464.2	1456.3	1456.5	1450.8	1453.0	1453.0
47.5°	1599.9	1587.5	1577.3	1571.5	1569.3	1565.7	1567.7	1567.5
50°	1725.4	1708.6	1697.3	1686.0	1681.0	1682.5	1678.5	1685.2
52.5°	1860.2	1835.1	1819.2	1808.5	1799.1	1801.0	1801.6	1803.5
55°	1999.7	1967.8	1944.7	1930.6	1922.1	1922.7	1925.2	1927.4
57.5°	2140.1	2100.1	2068.8	2047.9	2042.4	2044.9	2044.8	2044.6
60°	2285.6	2237.7	2197.3	2173.6	2168.6	2167.3	2178.0	2174.5
62.5°	2441.9	2384.4	2342.6	2312.3	2305.1	2310.1	2319.7	2317.5
65°	2649.1	2569.5	2515.6	2485.6	2473.6	2478.5	2491.4	2491.0
67.5°	2916.3	2805.2	2733.8	2695.3	2686.5	2692.5	2699.7	2706.6
70°	3315.9	3157.1	3055.3	2971.9	2936.2	2929.2	2936.4	2936.7
71°	3456.5	3274.0	3111.9	3010.2	2951.5	2926.7	2928.7	2916.3
72.5°	3450.7	3225.9	3036.3	2929.7	2848.3	2828.5	2818.9	2804.0
75°	3218.2	3015.6	2851.1	2734.9	2656.6	2633.2	2616.1	2615.2
77.5°	2918.5	2769.1	2587.8	2464.8	2369.2	2330.5	2313.2	2312.5
80°	2346.1	2122.4	1989.7	1915.8	1800.4	1767.2	1731.9	1718.8
82.5°	1418.8	1108.7	901.5	801.0	745.5	613.9	550.9	521.2
85°	330.5	234.7	161.8	106.2	76.5	60.8	46.8	41.2
87.5°	22.3	17.6	15.6	12.6	9.6	9.3	5.8	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)