

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: P147554

Luminaire Tested: **AVM-F06-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147554
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F06-LED-E-U-5MQ-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14584.2 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

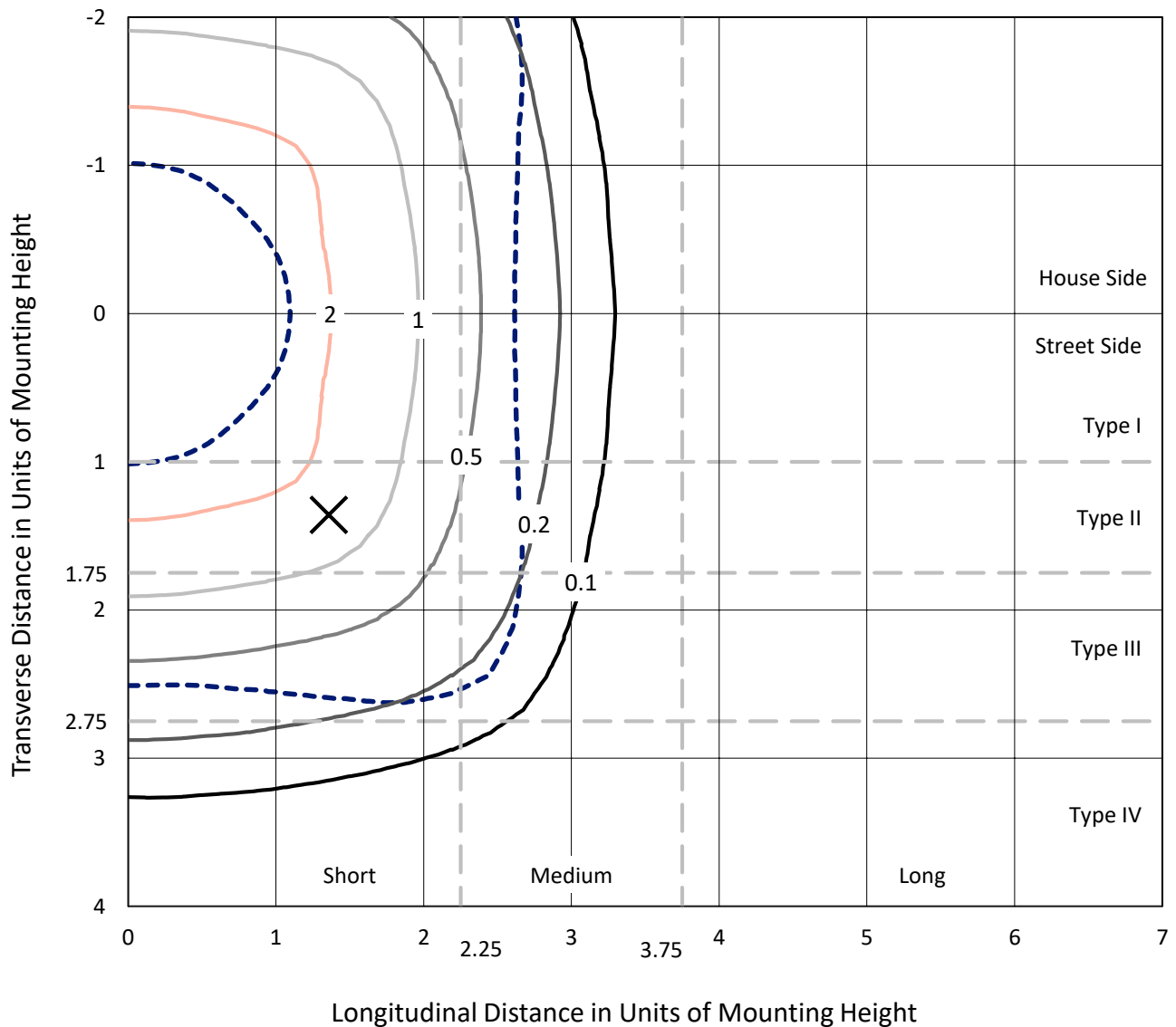
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

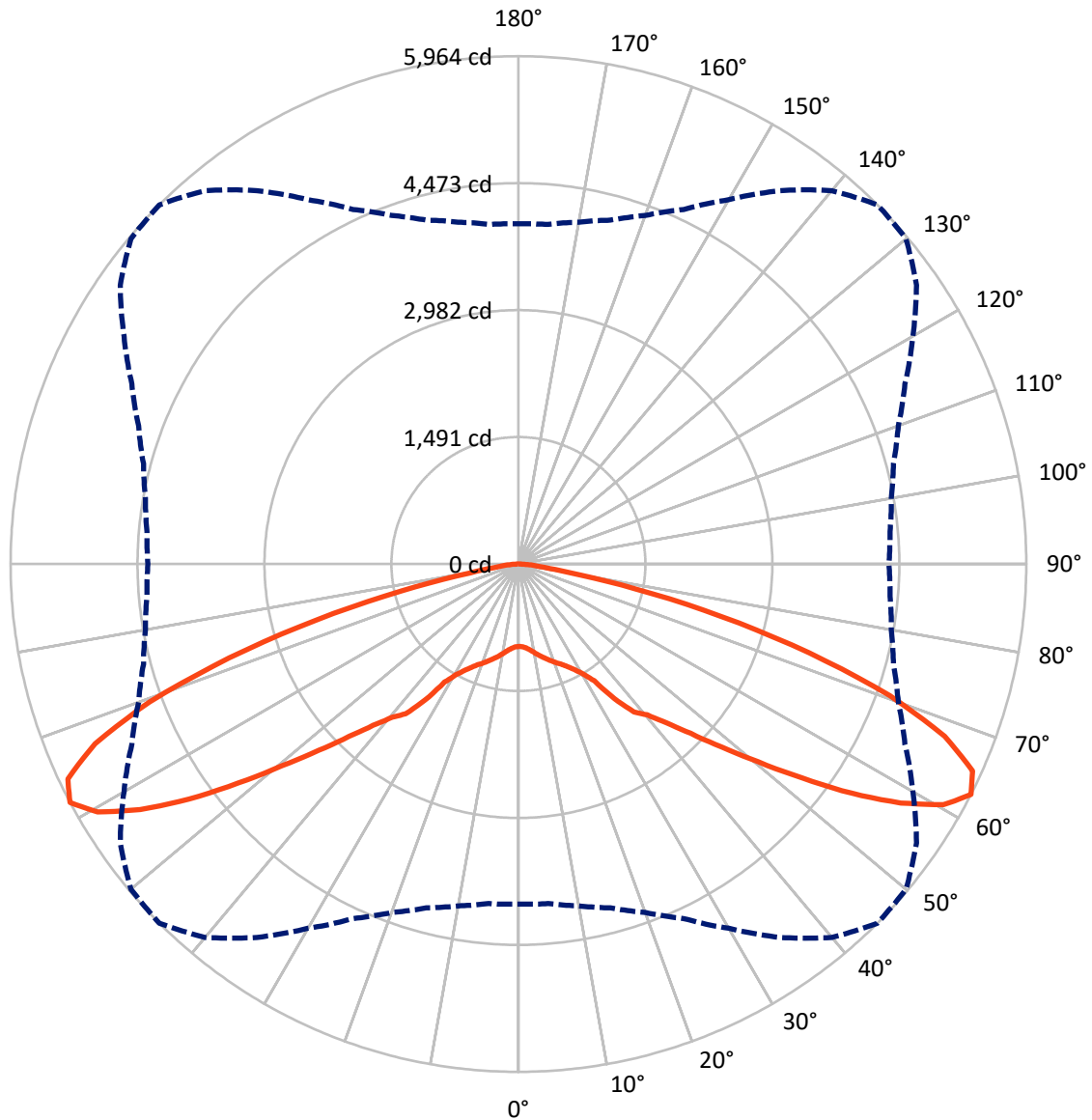
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7292.1	0.0	7292.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7292.1	0.0	7292.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14584.2	0.0	14584.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	0.7
10°-20°	328.0	2.2
20°-30°	634.1	4.3
30°-40°	1227.8	8.4
40°-50°	2216.8	15.2
50°-60°	3854.7	26.4
60°-70°	4376.1	30.0
70°-80°	1696.6	11.6
80°-90°	153.1	1.0
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°	14584.2	100.0
0°-180°	14584.2	100.0



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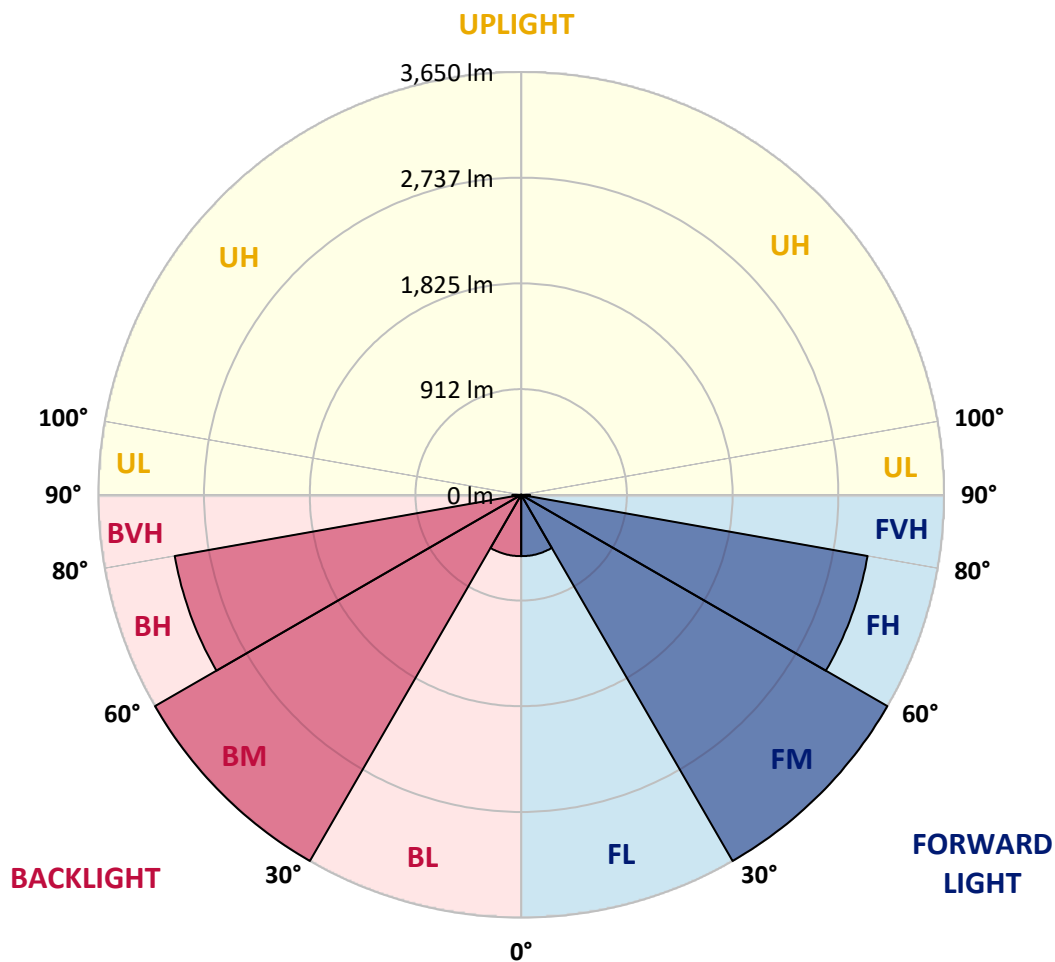
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.5	3.6			
FM	(30°-60°)	3649.7	25.0			
FH	(60°-80°)	3036.4	20.8			G2/5000
FVH	(80°-90°)	76.5	0.5			G1/100
BL	(0°-30°)	529.5	3.6	B2/1000		
BM	(30°-60°)	3649.7	25.0	B3/5000		
BH	(60°-80°)	3036.4	20.8	B4/5000		G2/5000
BVH	(80°-90°)	76.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	968.1	968.1	968.1	968.1	968.1	968.1	968.1	968.1	968.1	968.1	968.1
2.5°	974.2	977.2	976.4	974.9	974.9	974.9	974.2	971.9	971.2	972.6	974.2
5°	996.8	996.8	996.8	996.8	995.3	995.3	993.8	992.2	993.0	991.5	990.7
7.5°	1031.5	1029.2	1029.2	1028.4	1028.4	1027.0	1024.7	1021.6	1022.4	1021.6	1021.0
10°	1072.2	1072.9	1070.6	1072.9	1069.2	1068.4	1065.4	1063.9	1063.2	1060.8	1060.8
12.5°	1121.2	1118.9	1118.9	1117.4	1115.9	1114.4	1109.8	1109.1	1106.1	1104.6	1102.4
15°	1167.2	1166.4	1163.4	1160.4	1159.6	1158.2	1152.8	1149.8	1149.1	1145.3	1142.3
17.5°	1213.2	1211.6	1207.9	1206.4	1203.4	1201.1	1196.6	1192.0	1189.8	1188.2	1184.5
20°	1262.2	1260.7	1256.9	1253.9	1250.2	1247.1	1240.4	1236.6	1234.3	1232.0	1229.0
22.5°	1323.2	1320.2	1314.2	1309.0	1300.6	1297.6	1288.6	1283.3	1279.6	1276.5	1275.0
25°	1389.6	1390.4	1382.1	1375.2	1365.4	1357.2	1345.9	1339.8	1336.1	1333.1	1332.3
27.5°	1472.6	1473.3	1465.8	1455.9	1440.9	1431.8	1416.8	1409.2	1406.9	1403.9	1403.2
30°	1603.8	1596.9	1584.2	1568.3	1554.7	1535.2	1513.3	1505.8	1498.2	1496.0	1495.9
32.5°	1845.0	1841.2	1830.7	1791.5	1773.4	1732.7	1694.2	1672.4	1647.4	1635.4	1627.9
35°	2014.0	2012.4	2004.1	1990.6	1979.2	1971.0	1948.3	1944.6	1940.0	1940.0	1946.0
37.5°	2138.4	2129.3	2127.8	2130.0	2127.0	2128.6	2146.6	2171.5	2192.6	2203.2	2201.6
40°	2322.3	2309.5	2317.0	2311.8	2305.0	2303.4	2309.5	2319.3	2329.0	2329.1	2326.8
42.5°	2562.8	2568.8	2571.9	2550.0	2535.7	2532.0	2546.2	2543.2	2553.0	2549.2	2539.4
45°	2920.2	2916.4	2911.2	2884.8	2862.2	2844.0	2847.8	2842.6	2843.3	2837.2	2829.8
47.5°	3280.6	3293.4	3271.6	3258.8	3233.1	3220.3	3230.9	3221.8	3239.2	3207.5	3192.4
50°	3630.5	3639.5	3632.0	3613.8	3613.9	3632.0	3644.8	3661.4	3685.5	3649.3	3595.0
52.5°	3917.0	3924.5	3935.8	3950.9	3987.8	4026.4	4080.6	4138.7	4184.7	4177.9	4116.0
55°	4092.0	4101.0	4119.8	4171.8	4238.2	4339.2	4462.2	4597.1	4702.6	4753.9	4708.7
57.5°	4150.8	4157.5	4208.8	4271.4	4374.7	4524.8	4730.6	4963.6	5166.4	5295.3	5274.9
60°	4137.2	4137.2	4189.2	4275.2	4419.9	4619.0	4910.0	5232.8	5543.4	5736.4	5707.7
62.5°	3994.6	4002.2	4076.8	4180.2	4355.0	4593.3	4940.2	5352.6	5724.3	5964.0	5940.7
65°	3682.5	3687.8	3768.5	3891.4	4086.6	4368.6	4747.9	5204.8	5630.8	5861.6	5817.8
67.5°	3178.1	3183.4	3249.0	3387.7	3594.3	3889.1	4298.5	4801.5	5218.4	5400.8	5269.6
70°	2528.2	2543.2	2585.4	2732.4	2889.3	3178.1	3555.0	4058.0	4451.5	4624.2	4479.5
72.5°	1722.9	1761.3	1812.6	1943.0	2093.1	2332.8	2633.0	3056.7	3372.6	3572.4	3443.5
75°	970.4	1024.7	1040.6	1139.3	1263.0	1452.2	1671.6	1975.4	2294.4	2456.5	2301.2
77.5°	419.2	463.7	483.4	529.3	625.8	705.0	838.4	1043.5	1290.0	1404.0	1217.7
80°	206.6	217.2	225.4	239.8	266.9	292.6	355.9	445.6	546.6	572.2	455.4
82.5°	159.8	167.4	181.7	193.0	199.8	206.6	212.6	224.7	234.5	239.8	226.2
85°	112.4	122.2	138.0	150.8	158.4	163.6	168.9	172.6	163.6	149.3	156.8
87.5°	29.4	38.4	53.6	58.0	65.6	69.4	67.8	70.1	63.3	46.0	51.3
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°	968.1	968.1	968.1	968.1	968.1	968.1	968.1	968.1
2.5°	973.4	972.6	973.4	973.4	973.4	972.6	972.6	972.7
5°	990.8	990.8	991.5	990.0	990.0	990.8	990.0	989.2
7.5°	1020.2	1019.4	1019.4	1018.6	1019.4	1018.6	1018.6	1017.9
10°	1059.4	1057.8	1058.6	1056.4	1056.4	1055.6	1055.6	1055.6
12.5°	1101.6	1099.3	1100.0	1097.8	1094.1	1094.8	1095.6	1094.8
15°	1142.3	1140.0	1137.8	1136.3	1134.0	1134.8	1134.8	1134.0
17.5°	1183.8	1179.2	1178.5	1176.2	1175.4	1175.5	1175.5	1176.2
20°	1226.8	1223.8	1223.0	1220.7	1220.0	1222.2	1223.0	1221.5
22.5°	1272.8	1271.2	1272.8	1271.2	1273.5	1275.0	1275.8	1274.2
25°	1330.8	1329.3	1331.6	1336.8	1339.8	1341.4	1345.2	1343.6
27.5°	1405.4	1403.9	1409.2	1416.8	1421.3	1428.8	1432.6	1434.1
30°	1501.9	1508.7	1511.8	1526.9	1529.9	1542.0	1541.9	1547.2
32.5°	1642.2	1655.0	1677.6	1701.0	1733.4	1756.8	1756.8	1768.9
35°	1949.8	1955.1	1972.4	1976.2	1983.0	1990.6	1983.0	1989.0
37.5°	2185.8	2162.5	2145.9	2122.4	2108.2	2108.2	2109.6	2108.2
40°	2306.4	2297.4	2289.9	2270.3	2267.2	2266.5	2266.5	2269.5
42.5°	2522.2	2500.2	2488.2	2471.6	2466.4	2464.8	2464.1	2465.6
45°	2802.6	2767.2	2734.8	2718.1	2703.8	2690.2	2694.8	2694.8
47.5°	3129.0	3074.0	3021.2	2992.6	2967.7	2956.4	2948.8	2946.6
50°	3526.4	3449.5	3381.6	3328.2	3291.9	3291.2	3295.0	3270.8
52.5°	4013.6	3892.1	3807.7	3735.2	3701.4	3697.6	3685.5	3671.9
55°	4553.4	4409.4	4269.8	4192.2	4147.7	4123.6	4109.3	4086.6
57.5°	5109.8	4916.0	4715.5	4591.0	4512.6	4458.4	4429.7	4416.9
60°	5538.8	5274.2	5009.5	4809.7	4679.3	4598.6	4548.8	4528.5
62.5°	5707.7	5348.8	5009.5	4747.1	4558.6	4447.1	4380.0	4350.5
65°	5506.4	5081.2	4695.2	4405.6	4195.2	4070.8	3997.6	3966.0
67.5°	4944.0	4568.4	4148.5	3860.4	3644.0	3521.2	3442.0	3418.6
70°	4144.7	3760.9	3359.8	3102.7	2909.6	2809.4	2727.2	2717.4
72.5°	3114.8	2783.8	2439.9	2227.3	2072.0	1906.1	1863.8	1885.0
75°	1996.6	1686.7	1380.6	1189.1	1047.3	889.0	827.9	843.0
77.5°	945.5	732.2	528.6	408.6	343.0	293.3	280.4	272.9
80°	350.6	284.2	251.1	238.2	229.2	220.9	214.9	208.1
82.5°	227.0	221.6	214.9	212.6	205.8	195.3	175.6	167.4
85°	169.6	169.6	160.6	161.4	156.1	142.5	124.4	114.6
87.5°	49.8	44.5	40.7	37.7	37.0	33.2	24.1	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)