

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: P367662

Luminaire Tested: **PMM-SA3A-727-U-SL3**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-18)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3A-727-U-SL3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9626 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

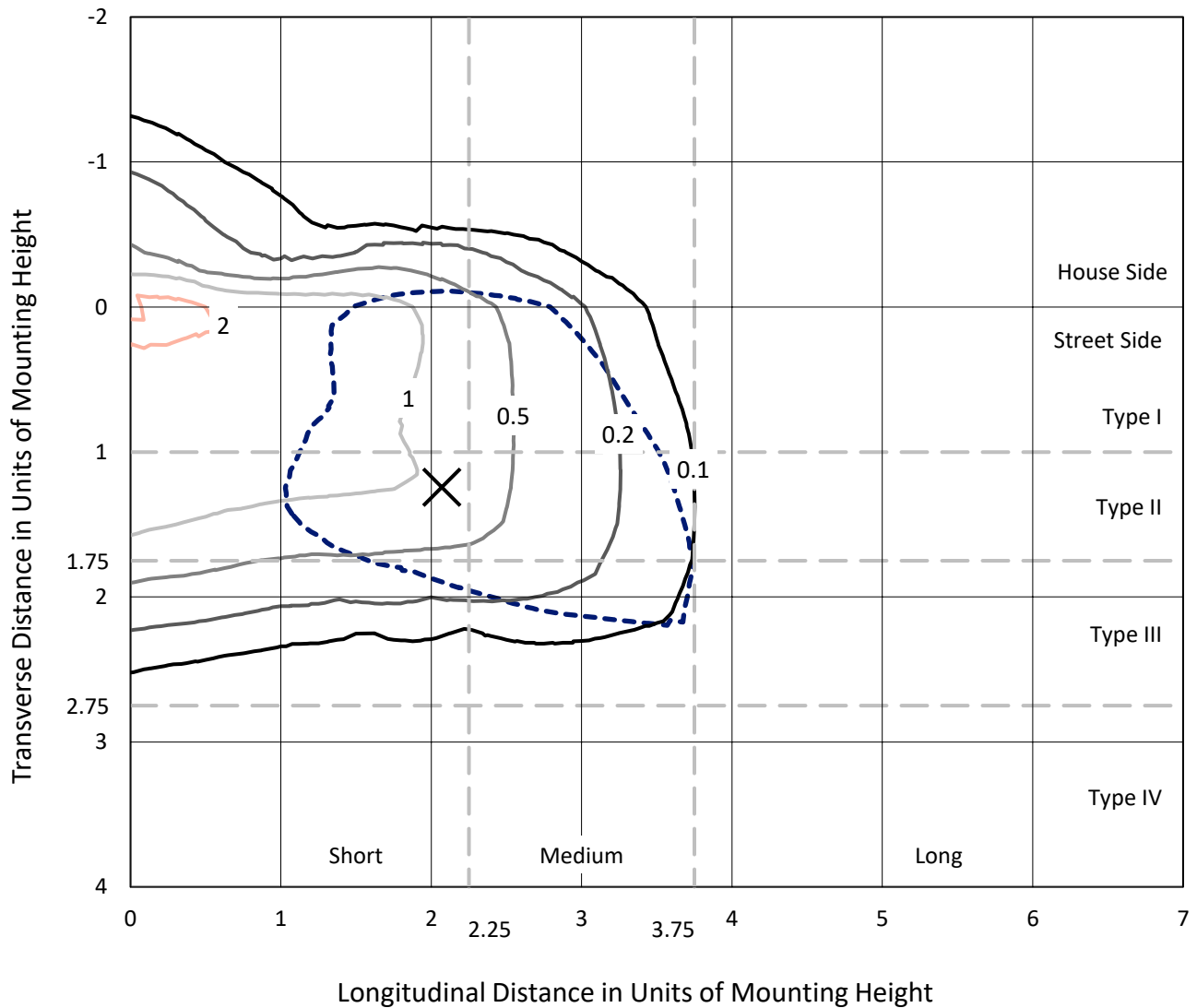
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

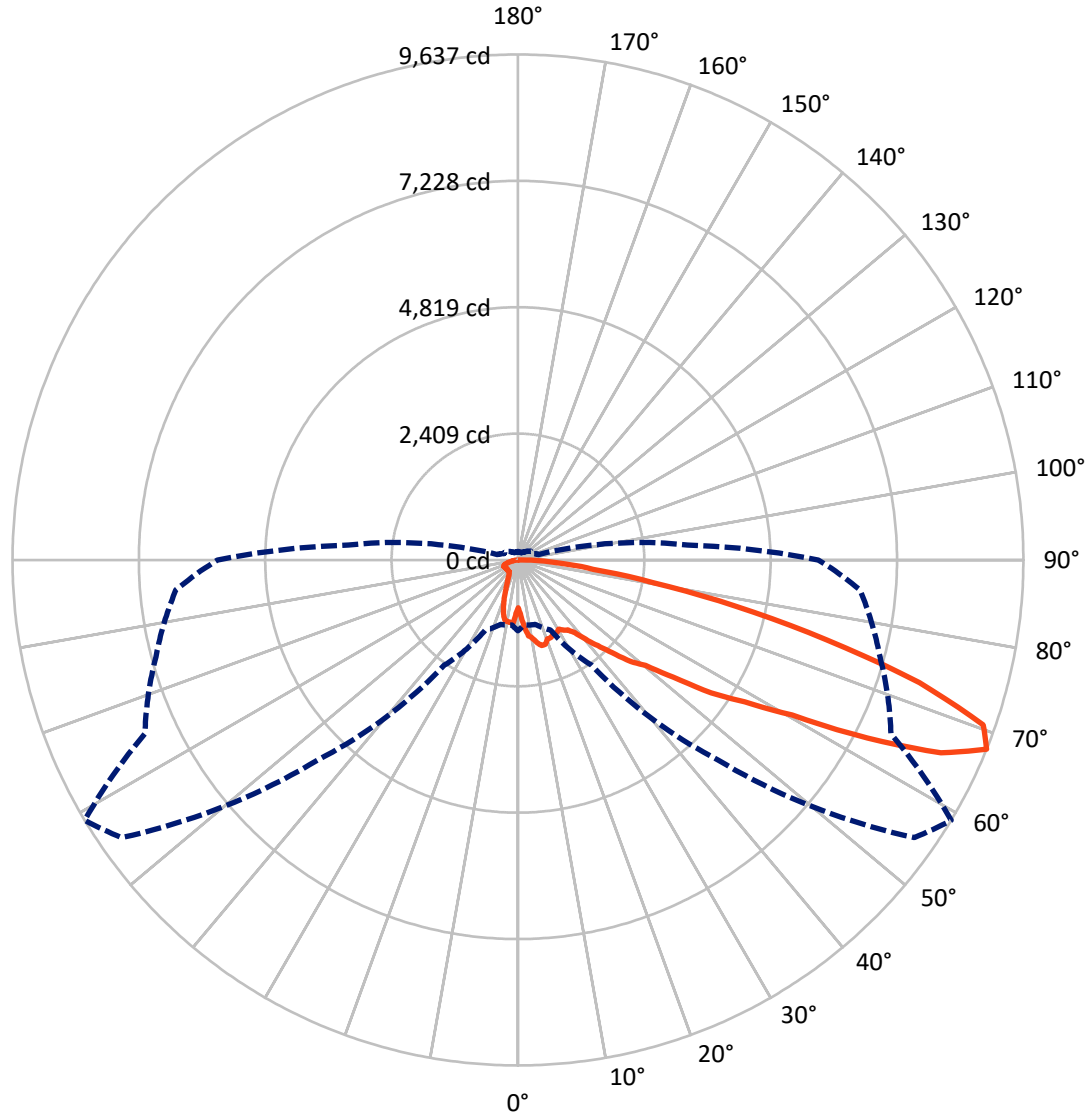
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1448.9	0.0	1448.9
	% Fixture	15.1	0.0	15.1
Street Side	Lumens	8177.1	0.0	8177.1
	% Fixture	84.9	0.0	84.9
Total	Lumens	9626.0	0.0	9626.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	1.2
10°-20°	352.0	3.7
20°-30°	502.7	5.2
30°-40°	740.8	7.7
40°-50°	1251.6	13.0
50°-60°	2178.1	22.6
60°-70°	2775.6	28.8
70°-80°	1469.7	15.3
80°-90°	236.4	2.5
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°	9626.0	100.0
0°-180°	9626.0	100.0

Coefficient of Utilization

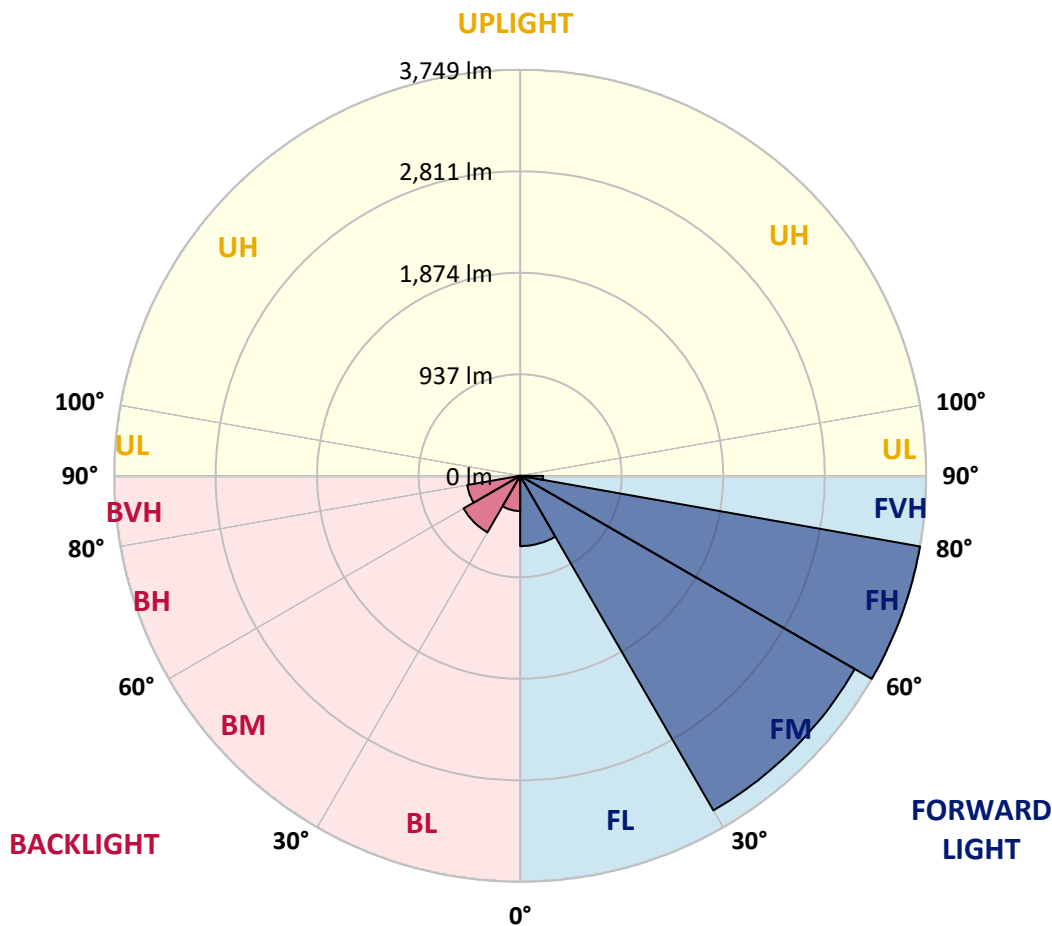


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.8	6.7			
FM (30°-60°)	3567.3	37.1			
FH (60°-80°)	3748.7	38.9			G2/5000
FVH (80°-90°)	212.4	2.2			G2/225
BL (0°-30°)	324.9	3.4	B1/500		
BM (30°-60°)	603.3	6.3	B1/1000		
BH (60°-80°)	496.6	5.2	B1/500		G1/500
BVH (80°-90°)	24.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9
2.5°	1137.3	1084.2	1027.9	1043.9	1076.1	1090.8	1074.9	1059.4	1039.4	1015.7	1096.5
5°	1379.2	1300.4	1289.0	1288.6	1277.2	1231.5	1290.2	1286.2	1309.8	1334.3	1397.1
7.5°	1448.1	1418.7	1386.9	1402.0	1344.5	1342.0	1433.4	1459.5	1505.2	1490.1	1574.6
10°	1412.6	1379.6	1396.3	1390.2	1395.5	1455.8	1511.7	1513.4	1562.3	1610.4	1556.2
12.5°	1350.2	1352.6	1419.1	1416.7	1502.3	1614.5	1631.3	1618.2	1698.1	1665.5	1712.0
15°	1394.7	1424.4	1407.7	1422.0	1455.8	1598.6	1645.1	1692.4	1768.3	1797.7	1751.2
17.5°	1465.6	1481.5	1406.5	1398.7	1468.5	1536.2	1651.6	1692.0	1703.9	1913.1	1847.4
20°	1435.5	1467.7	1394.3	1300.0	1415.9	1505.6	1619.4	1607.2	1664.7	1922.1	1867.4
22.5°	1521.1	1467.7	1374.3	1307.4	1348.2	1430.6	1527.2	1607.6	1675.7	1869.5	1896.4
25°	1537.4	1512.1	1424.8	1358.4	1344.5	1373.9	1511.7	1564.4	1679.4	1941.3	1880.9
27.5°	1637.0	1599.0	1421.2	1423.2	1354.3	1302.5	1462.8	1573.3	1721.0	1896.8	1918.8
30°	1760.6	1731.6	1508.5	1516.6	1421.2	1325.7	1496.2	1529.7	1745.1	1966.1	1966.6
32.5°	1853.2	1904.1	1680.2	1569.2	1535.4	1464.0	1444.8	1595.4	1716.9	2091.8	2048.1
35°	2020.0	2059.6	1812.4	1723.4	1608.8	1528.5	1584.3	1638.6	1834.0	2257.0	2169.3
37.5°	2328.8	2283.1	2057.9	1918.0	1875.2	1759.3	1790.3	1752.4	1961.3	2442.6	2406.7
40°	2507.5	2467.9	2230.9	2153.4	1983.7	1998.4	1959.6	1987.4	2131.4	2640.0	2628.6
42.5°	2683.7	2630.6	2430.4	2376.5	2207.2	2135.4	2142.4	2232.1	2393.6	2959.0	2921.1
45°	2857.8	2722.0	2634.3	2648.6	2567.0	2419.7	2429.9	2514.4	2680.0	3323.7	3236.4
47.5°	2991.2	2879.1	2810.5	2793.0	2752.6	2949.6	2861.5	2895.8	2968.8	3648.4	3615.3
50°	3243.7	3112.8	3023.5	2998.2	3135.2	3409.4	3229.9	3156.0	3311.5	4068.1	4051.0
52.5°	3648.0	3484.8	3335.9	3334.3	3532.5	3710.4	3836.8	3709.6	3766.7	4498.1	4547.0
55°	4000.8	3812.0	3678.2	3752.0	4034.3	4143.2	4572.7	4473.2	4425.1	4932.1	5072.0
57.5°	4132.6	3911.9	3824.6	3933.5	4349.6	4909.3	5363.3	5101.4	5054.5	5423.2	5716.5
60°	3843.4	3610.0	3615.3	3820.5	4541.3	5471.8	6227.6	6005.3	5730.4	6034.7	6321.0
62.5°	3019.4	2808.5	2946.0	3258.0	4380.6	6018.4	7386.1	7479.9	6502.6	6541.7	6656.4
65°	2052.2	1906.2	2030.2	2335.7	3552.9	6316.6	8489.5	8865.6	7205.8	6873.8	6801.2
67.5°	1350.6	1247.4	1271.5	1474.6	2445.9	5384.9	9227.4	9637.4	7848.7	7146.3	6545.8
70°	1045.9	962.7	952.1	1058.5	1450.5	3741.0	8790.2	9413.4	8240.3	6890.9	5705.5
72.5°	820.7	757.5	763.2	865.6	1123.4	2075.5	6802.0	8004.9	7650.4	5942.9	4383.5
75°	640.0	588.2	617.2	734.2	1039.0	1289.8	4693.1	6075.5	5914.8	4400.6	2500.1
77.5°	464.6	431.2	472.4	625.3	976.5	1106.7	2921.5	4238.6	3789.1	2259.4	857.8
80°	304.7	285.9	319.8	509.9	885.6	1065.1	1805.4	2597.2	1872.3	634.7	324.7
82.5°	179.5	171.3	199.5	345.1	711.8	998.2	1204.2	1443.2	766.1	268.4	172.5
85°	94.2	88.1	118.3	198.2	490.7	911.3	948.0	864.0	370.0	116.7	82.4
87.5°	31.4	30.6	50.2	76.7	185.6	483.8	505.8	410.4	152.6	33.9	17.9
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°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9
2.5°	1107.5	1091.2	997.4	1010.4	1022.6	1016.5	1012.9	970.4	966.3	1026.7	1021.8
5°	1395.5	1327.8	1247.8	1244.1	1191.5	1137.7	1148.3	1131.1	1136.0	1160.9	1163.4
7.5°	1547.6	1463.2	1386.9	1262.9	1157.7	1072.4	1085.9	1081.8	1070.8	1127.1	1142.2
10°	1544.8	1469.7	1383.6	1233.5	1162.6	1093.2	1010.0	931.3	908.0	880.3	882.7
12.5°	1646.8	1580.3	1392.6	1239.7	1143.4	1023.9	868.0	782.0	699.6	697.9	677.1
15°	1678.6	1629.6	1411.8	1204.6	1009.2	837.9	676.7	583.3	523.8	511.9	494.4
17.5°	1758.9	1682.2	1353.5	1091.2	853.4	655.1	508.7	443.4	438.5	446.7	437.7
20°	1764.2	1639.8	1248.2	923.5	685.7	496.4	414.8	382.2	399.8	419.7	418.9
22.5°	1759.7	1586.4	1157.3	780.7	515.2	398.9	363.5	356.1	372.4	402.2	405.9
25°	1714.1	1568.8	1043.4	641.2	418.1	341.8	332.0	336.5	356.9	392.0	392.0
27.5°	1761.8	1497.5	900.7	521.7	351.6	304.3	311.2	322.7	337.8	377.7	385.1
30°	1746.3	1521.1	785.6	420.2	310.0	278.2	293.7	305.1	322.3	363.9	367.5
32.5°	1787.9	1457.9	689.0	353.3	282.7	268.0	271.7	287.2	309.6	342.2	348.8
35°	1851.5	1481.1	578.0	317.8	269.2	256.2	263.1	275.3	297.8	329.6	334.9
37.5°	2054.7	1479.9	501.3	298.2	266.8	253.7	257.0	265.6	291.7	320.6	332.9
40°	2185.2	1564.8	431.6	293.7	263.9	252.5	249.6	259.0	279.8	314.1	322.7
42.5°	2430.4	1616.6	401.4	292.1	263.5	245.6	242.7	253.7	274.1	305.9	319.0
45°	2689.4	1690.4	377.3	291.3	262.3	244.3	235.8	249.6	266.8	297.4	312.5
47.5°	2994.1	1846.6	363.9	288.4	259.8	246.0	233.3	240.3	259.4	290.0	305.1
50°	3393.0	2053.4	366.7	284.3	263.5	246.4	229.7	232.9	250.5	280.2	295.7
52.5°	3878.0	2373.7	385.1	285.9	266.0	244.3	228.0	226.4	241.5	267.6	283.1
55°	4462.6	2828.1	440.1	293.7	266.0	243.9	225.6	218.2	229.7	250.9	266.0
57.5°	5167.9	3354.3	547.8	297.4	263.9	241.5	220.3	207.2	214.2	231.7	246.0
60°	5773.6	3778.9	658.8	299.8	268.0	235.8	209.7	193.4	197.8	211.3	223.9
62.5°	6082.4	3898.0	692.2	297.8	279.0	232.1	197.0	178.7	179.1	190.5	201.9
65°	6140.3	3739.4	558.0	295.7	293.3	231.7	188.0	166.0	163.2	171.3	181.1
67.5°	5727.5	3245.8	402.6	291.3	294.9	229.2	181.9	155.8	148.5	154.2	162.4
70°	4863.2	2613.9	338.2	282.3	275.3	217.0	171.3	145.2	135.4	139.5	145.6
72.5°	3625.5	1933.9	294.9	263.1	239.9	185.6	155.0	133.4	123.2	126.0	130.5
75°	2014.3	1031.6	246.8	228.8	195.8	150.1	132.2	118.3	109.3	110.5	115.4
77.5°	669.0	380.6	181.1	181.5	148.1	115.8	108.9	101.2	94.2	94.6	98.7
80°	303.1	210.5	129.7	130.5	103.2	84.0	83.6	81.2	76.7	75.5	78.3
82.5°	175.8	127.7	88.9	84.8	66.5	54.7	60.8	59.6	58.3	53.8	54.7
85°	86.5	68.5	46.5	44.1	36.7	27.3	32.6	33.9	32.6	27.7	27.3
87.5°	21.2	22.4	11.4	10.6	6.1	2.9	4.9	4.9	6.1	4.1	2.0
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)