

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: P367940

Luminaire Tested: **PMM-SA3C-727-U-T4W**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA3C-727-U-T4W  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15437 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

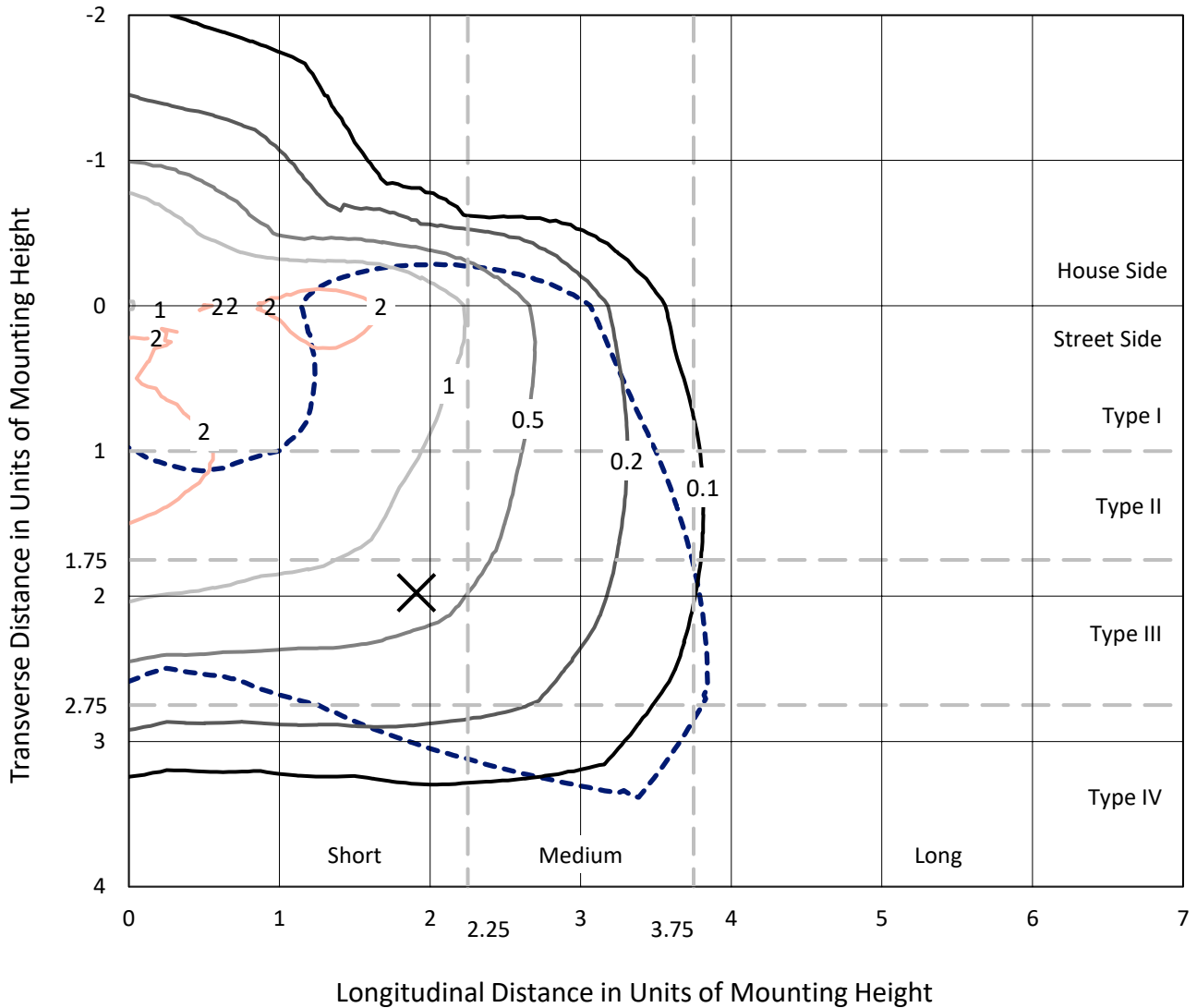
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

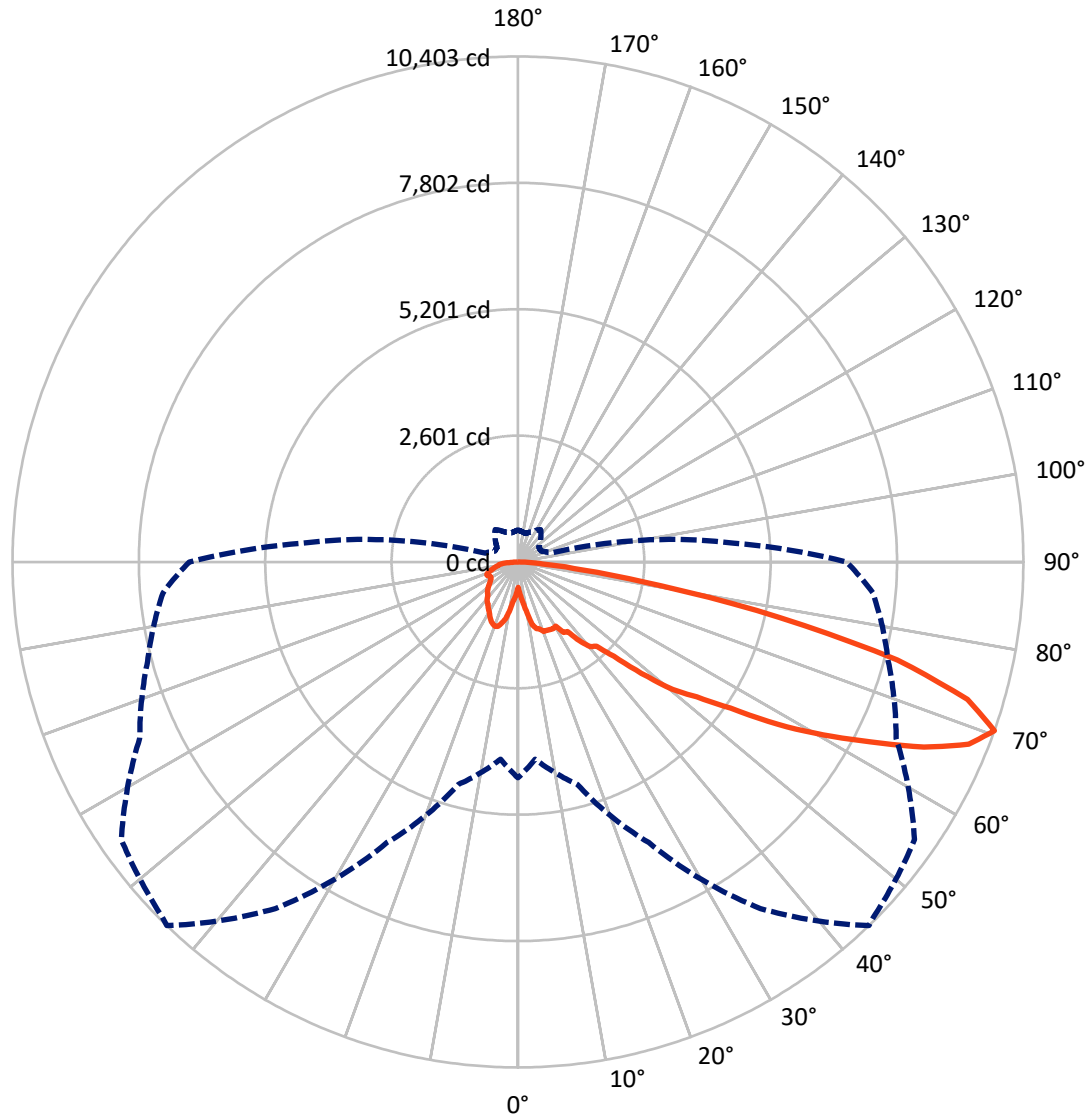
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3406.0	0.0	3406.0
	% Fixture	22.1	0.0	22.1
<b>Street Side</b>	Lumens	12031.0	0.0	12031.0
	% Fixture	77.9	0.0	77.9
<b>Total</b>	Lumens	15437.0	0.0	15437.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.3	0.5
10°-20°	378.9	2.5
20°-30°	708.0	4.6
30°-40°	1136.4	7.4
40°-50°	1918.1	12.4
50°-60°	3418.1	22.1
60°-70°	4675.5	30.3
70°-80°	2749.5	17.8
80°-90°	370.2	2.4
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°	15437.0	100.0
0°-180°	15437.0	100.0

**Coefficient of Utilization**

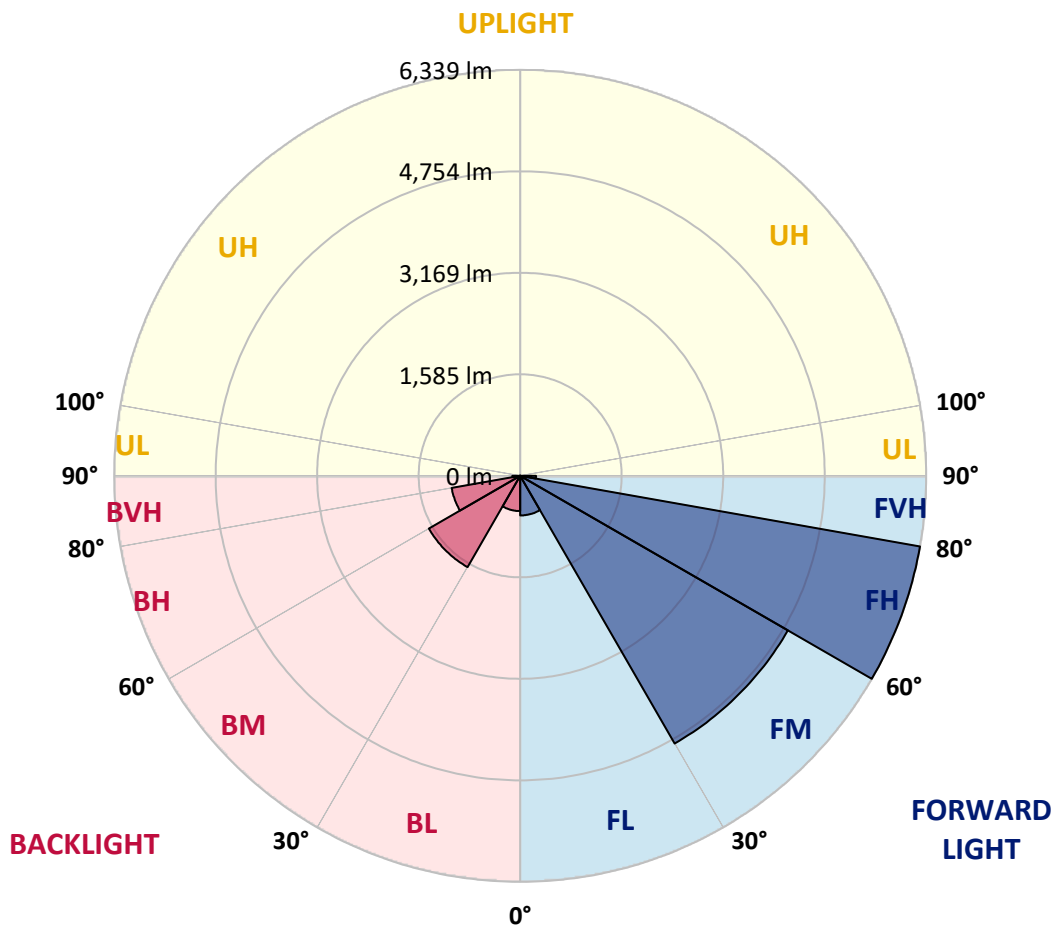


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.6	4.0			
FM (30°-60°)	4826.7	31.3			
FH (60°-80°)	6338.9	41.1			G3/7500
FVH (80°-90°)	246.7	1.6			G3/500
BL (0°-30°)	550.5	3.6	B2/1000		
BM (30°-60°)	1646.0	10.7	B2/2500		
BH (60°-80°)	1086.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	123.5	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7
2.5°	636.8	624.1	593.7	603.8	616.5	621.6	620.3	619.0	599.4	592.5	627.3
5°	865.3	837.4	815.3	806.4	777.3	754.5	740.6	777.3	771.6	781.1	805.1
7.5°	1080.5	1062.7	1012.7	995.0	935.5	896.3	891.8	921.0	928.6	913.4	954.5
10°	1219.1	1188.7	1178.6	1136.2	1095.0	1088.7	1084.9	1071.6	1053.2	1052.0	1015.3
12.5°	1326.7	1342.5	1350.7	1302.0	1303.3	1326.1	1314.0	1260.2	1229.2	1174.8	1179.2
15°	1519.7	1542.5	1477.3	1446.3	1386.8	1421.0	1416.6	1371.6	1367.2	1331.7	1290.6
17.5°	1688.1	1698.2	1589.4	1518.5	1498.2	1448.8	1462.1	1463.4	1405.2	1468.5	1431.8
20°	1702.0	1738.1	1612.8	1471.6	1532.4	1526.1	1528.0	1515.3	1438.7	1543.2	1529.2
22.5°	1770.4	1715.3	1602.7	1499.5	1515.3	1524.8	1533.7	1518.5	1514.0	1572.3	1614.7
25°	1757.7	1740.0	1626.1	1538.7	1540.6	1542.5	1547.0	1592.5	1587.5	1666.6	1688.7
27.5°	1876.1	1848.9	1633.0	1611.5	1562.1	1551.4	1521.0	1615.9	1690.0	1688.1	1810.3
30°	2101.4	2073.6	1795.1	1732.4	1643.2	1533.0	1591.3	1717.9	1776.1	1795.7	1950.8
32.5°	2453.4	2498.9	2114.1	1861.5	1750.8	1726.7	1720.4	1707.7	1852.0	1948.9	2090.0
35°	2958.5	2922.4	2490.1	2138.1	1864.1	1760.9	1774.8	1852.0	2023.6	2086.2	2216.6
37.5°	3537.0	3462.3	2971.7	2451.5	2190.7	2061.6	2015.3	2090.0	2128.0	2177.4	2443.9
40°	4125.0	3942.7	3444.6	2863.5	2386.9	2289.4	2248.9	2157.1	2246.4	2346.4	2685.0
42.5°	4692.8	4551.6	3959.2	3355.3	2717.3	2369.8	2347.6	2257.8	2534.4	2640.1	3033.1
45°	5287.7	4960.5	4486.4	3910.4	3200.2	2764.1	2731.2	2569.8	2924.3	3144.5	3524.3
47.5°	5687.8	5384.6	4969.4	4361.1	3604.7	3423.7	3361.0	3085.0	3406.6	3692.7	4283.2
50°	6066.3	5754.2	5318.1	4854.2	4337.0	4128.8	3995.2	3535.7	4007.3	4473.1	5256.1
52.5°	6608.1	6329.0	5723.2	5351.0	5123.8	4611.7	4512.4	4259.8	4709.9	5338.4	6319.5
55°	7187.3	6806.9	6258.1	6051.7	5960.0	5304.2	5223.2	5062.4	5645.4	6223.9	7353.1
57.5°	7443.0	7046.1	6743.6	6620.1	6612.5	6310.6	6217.6	6105.5	6601.8	6983.4	8326.0
60°	7646.2	7220.2	7099.3	7168.3	7418.9	7220.2	7099.3	7000.5	7380.3	7734.1	9119.7
62.5°	7608.8	7181.6	7243.6	7453.7	8093.7	8151.9	8058.8	7819.6	8151.9	8349.4	9574.8
65°	7006.2	6611.3	6972.7	7471.5	8720.9	9186.2	9181.1	8555.1	8670.3	8670.3	9526.7
67.5°	5950.5	5541.6	6133.4	7315.1	9154.5	10005.8	10007.1	9334.9	8717.8	8638.0	8782.3
70°	4443.4	4073.1	4738.3	6370.7	8707.0	10402.7	10345.1	9964.1	8587.4	7890.5	7336.0
72.5°	2654.0	2414.7	3026.8	4637.7	7427.2	9672.9	9826.1	9239.3	7861.4	6561.9	5244.1
75°	1205.2	1101.4	1422.3	2664.1	5302.3	8068.3	8234.8	7797.4	6244.2	4719.4	3030.6
77.5°	515.9	488.0	620.9	1181.7	2923.6	5517.5	5858.7	5572.6	4230.7	2742.6	1340.6
80°	331.7	313.9	381.7	568.4	1357.7	2981.2	3274.9	3168.0	2155.2	1066.5	472.2
82.5°	198.1	192.4	255.1	357.0	740.6	1312.1	1478.6	1517.8	895.0	478.5	270.3
85°	108.2	109.5	139.9	216.5	444.3	510.8	546.9	595.0	421.6	277.2	131.0
87.5°	36.1	41.8	56.3	88.0	158.2	144.3	144.9	168.4	177.9	115.2	41.8
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°	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7
2.5°	633.0	621.6	592.5	594.3	605.1	607.6	610.8	592.5	588.7	623.5	626.6
5°	808.9	771.6	754.5	748.8	732.3	726.6	757.0	770.9	784.9	812.1	825.4
7.5°	950.1	908.3	877.3	848.8	824.7	810.8	862.1	901.3	925.4	981.1	1006.4
10°	1014.6	978.6	967.2	944.4	962.7	1004.5	1014.0	1015.3	1068.4	1067.2	1077.9
12.5°	1143.1	1119.7	1082.4	1090.6	1138.7	1181.7	1169.7	1188.1	1207.1	1252.6	1231.7
15°	1260.2	1253.9	1219.1	1224.8	1234.3	1288.1	1295.0	1313.4	1342.5	1378.6	1353.9
17.5°	1404.5	1402.0	1317.2	1309.6	1331.7	1384.3	1367.8	1335.5	1431.8	1470.4	1460.2
20°	1502.6	1483.7	1374.8	1342.5	1398.8	1405.8	1386.8	1335.5	1419.1	1503.3	1526.1
22.5°	1584.3	1562.1	1450.1	1386.8	1375.4	1378.6	1378.6	1369.1	1410.2	1479.2	1478.6
25°	1650.1	1671.0	1528.6	1467.8	1407.1	1331.1	1321.6	1329.8	1353.3	1486.2	1481.8
27.5°	1815.3	1757.7	1555.2	1509.6	1384.9	1265.3	1291.2	1303.9	1311.5	1457.1	1481.1
30°	1922.9	1940.7	1650.1	1534.3	1352.6	1191.9	1200.7	1237.4	1281.7	1453.9	1460.9
32.5°	2067.9	2029.9	1798.2	1493.2	1266.6	1147.6	1131.1	1180.5	1246.3	1402.6	1421.6
35°	2202.7	2247.6	1860.9	1485.6	1206.4	1081.1	1098.8	1115.9	1184.3	1345.7	1367.8
37.5°	2519.2	2416.6	2036.9	1448.8	1156.4	1047.5	1028.6	1054.5	1112.7	1237.4	1288.7
40°	2759.7	2766.0	2074.8	1402.6	1060.8	999.4	958.9	984.9	1009.6	1108.9	1131.1
42.5°	3211.0	3073.0	2167.9	1301.4	1000.7	927.3	904.5	915.9	919.7	961.5	998.2
45°	3785.1	3461.7	2204.6	1165.3	921.6	897.5	851.3	845.6	824.7	830.4	862.7
47.5°	4579.5	4068.0	2178.0	1020.3	851.3	858.9	792.5	766.5	737.4	744.4	774.7
50°	5606.8	4842.8	2176.1	897.5	803.2	808.3	753.9	707.0	677.9	692.5	719.0
52.5°	6759.4	5620.1	2185.0	813.4	750.7	748.2	728.5	671.6	648.2	663.3	693.7
55°	7862.0	6288.5	2250.8	760.2	696.3	700.7	708.3	660.2	634.2	648.2	679.8
57.5°	8821.6	6816.3	2226.1	703.9	645.6	665.9	686.1	644.4	624.7	645.0	676.6
60°	9492.5	7061.3	2031.2	650.1	608.3	636.1	675.4	642.5	639.9	683.6	721.6
62.5°	9737.5	6970.8	1651.4	607.6	586.1	632.3	700.1	684.2	686.8	740.6	793.1
65°	9379.8	6494.8	1231.7	580.4	569.0	650.7	757.0	708.9	674.1	718.4	766.5
67.5°	8362.7	5648.5	900.1	557.0	549.4	679.8	809.6	706.4	641.8	686.8	726.0
70°	6765.7	4458.6	696.9	527.3	523.5	660.2	814.6	687.4	607.0	636.1	658.3
72.5°	4635.8	3052.8	577.3	498.8	478.5	584.9	773.5	645.0	565.2	582.3	600.7
75°	2590.7	1713.4	485.5	463.3	419.0	520.9	725.4	619.7	534.2	539.3	564.6
77.5°	1162.7	741.2	412.1	416.5	365.2	460.8	662.7	579.2	486.7	475.4	500.7
80°	439.9	361.4	334.2	351.9	307.0	399.4	597.5	542.4	436.7	422.2	436.7
82.5°	255.1	219.0	248.1	270.9	243.7	367.1	570.3	508.9	384.8	348.1	360.8
85°	118.4	113.3	148.7	176.0	170.3	286.1	488.0	382.9	274.1	231.7	256.3
87.5°	31.0	34.8	52.5	62.0	63.3	98.1	188.0	142.4	107.0	81.0	77.9
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)