

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: P367813

Luminaire Tested: **PMM-SA3B-730-U-SL2-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-17)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3B-730-U-SL2-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10972 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

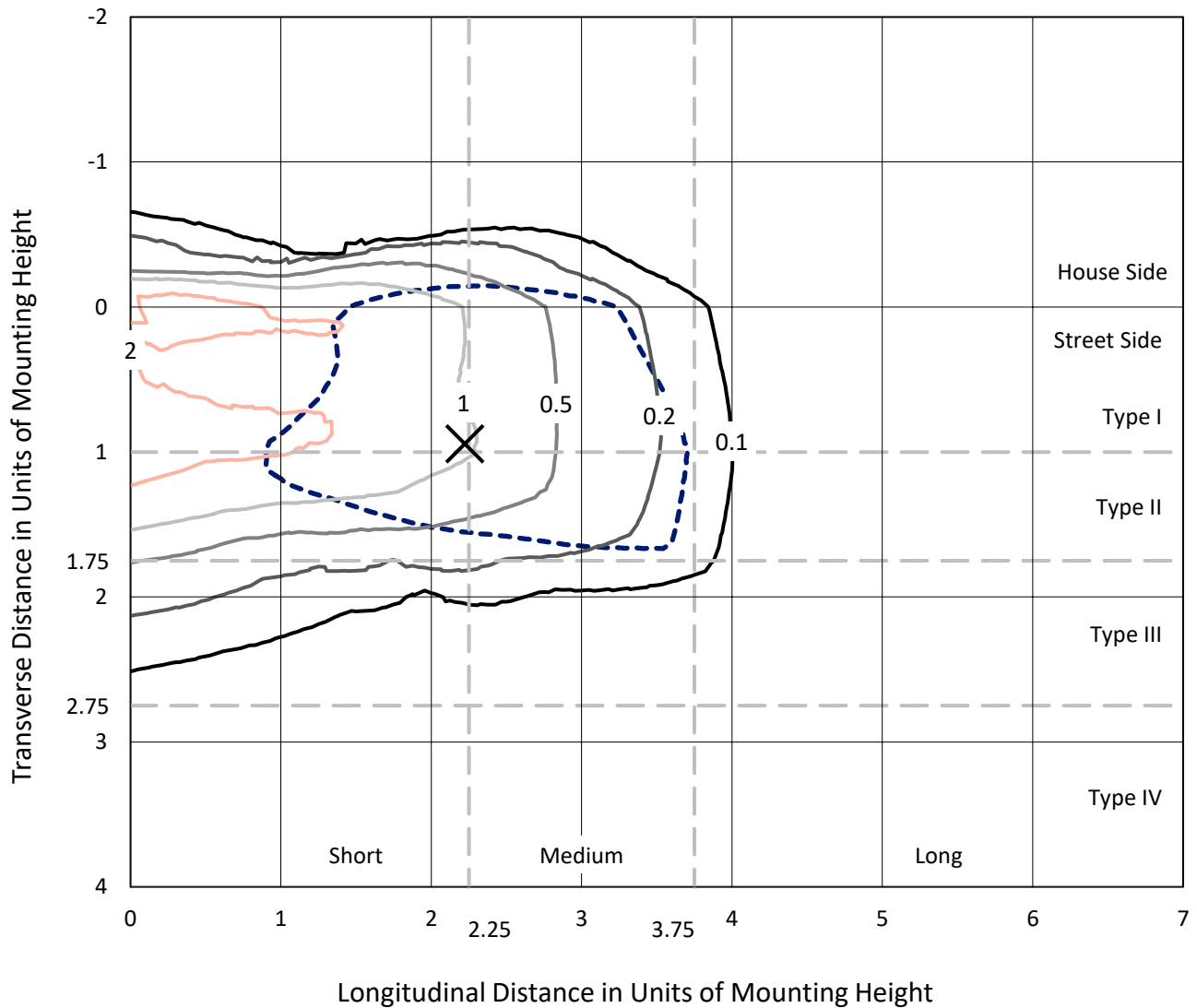
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

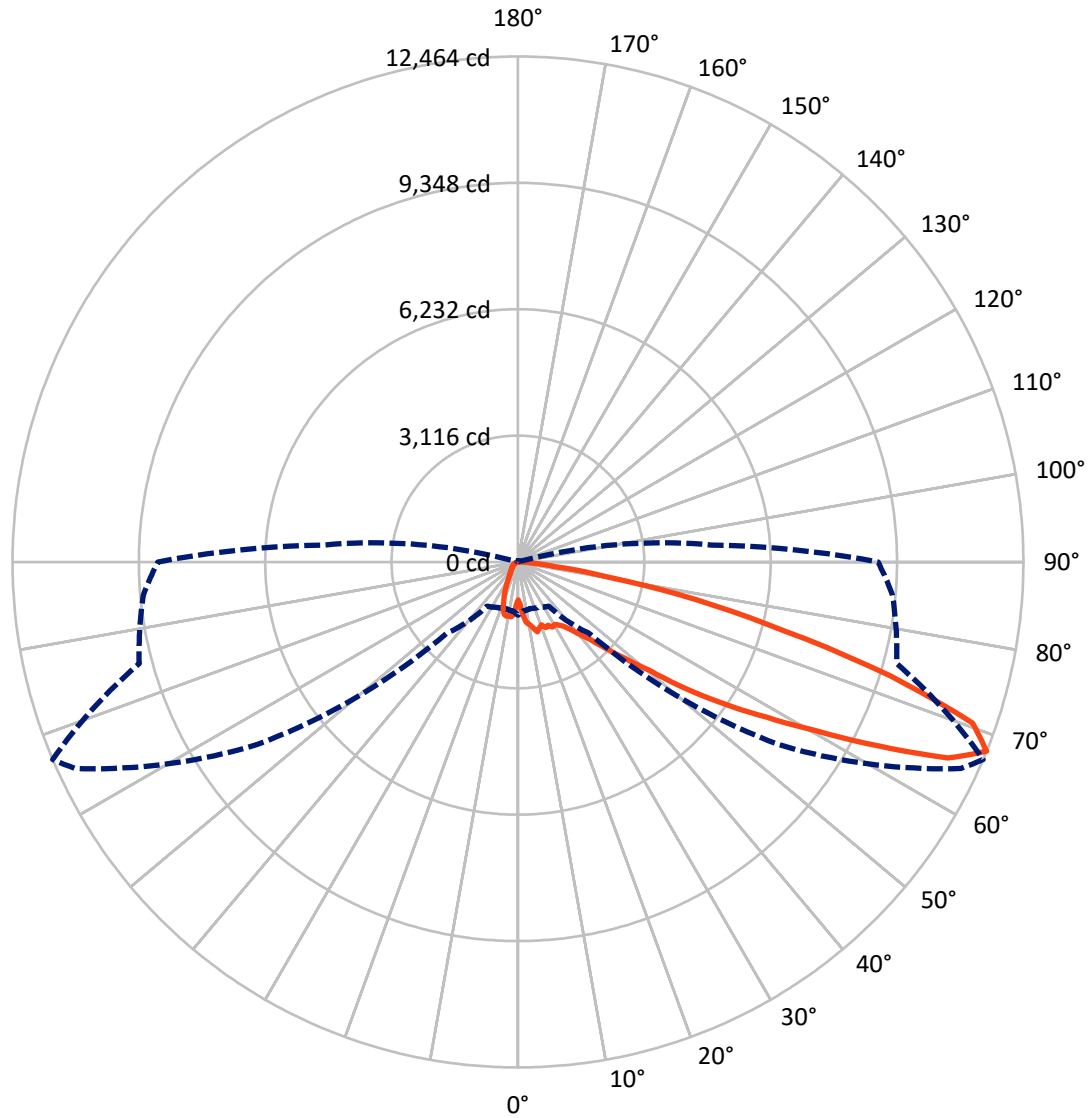
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1356.9	0.0	1356.9
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	9615.1	0.0	9615.1
	% Fixture	87.6	0.0	87.6
Total	Lumens	10972.0	0.0	10972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	1.1
10°-20°	347.1	3.2
20°-30°	543.9	5.0
30°-40°	877.1	8.0
40°-50°	1611.6	14.7
50°-60°	2721.8	24.8
60°-70°	3009.1	27.4
70°-80°	1574.9	14.4
80°-90°	169.1	1.5
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°	10972.0	100.0
0°-180°	10972.0	100.0

Coefficient of Utilization

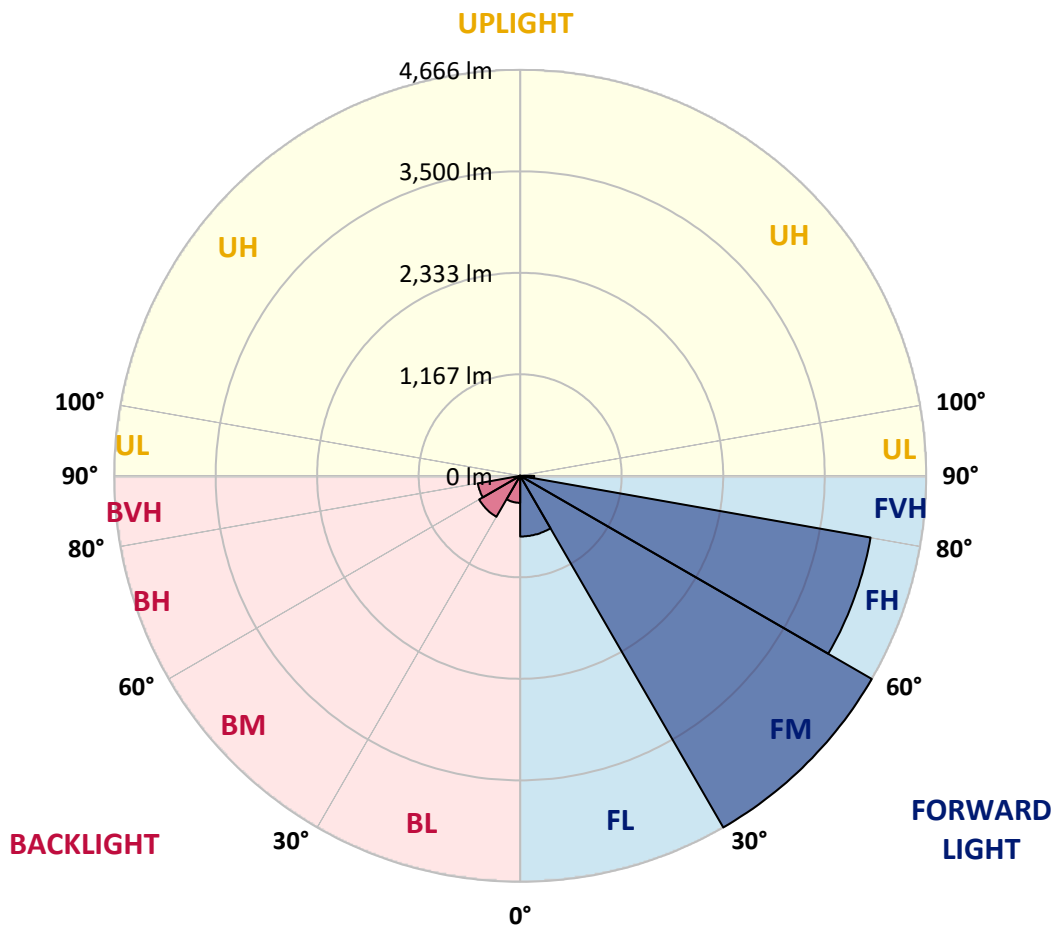


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.6	6.4			
FM (30°-60°)	4666.4	42.5			
FH (60°-80°)	4089.1	37.3			G2/5000
FVH (80°-90°)	161.9	1.5			G2/225
BL (0°-30°)	310.7	2.8	B1/500		
BM (30°-60°)	544.1	5.0	B1/1000		
BH (60°-80°)	494.9	4.5	B1/500		G1/500
BVH (80°-90°)	7.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	1103.2	1065.9	1002.4	1020.8	1057.5	1088.1	1073.7	1045.3	1045.8	1016.9	1121.0
5°	1283.5	1233.4	1196.7	1209.5	1207.8	1206.7	1275.1	1301.3	1312.4	1360.3	1431.0
7.5°	1335.2	1317.4	1279.0	1290.7	1252.3	1255.1	1375.3	1488.9	1506.7	1536.2	1662.0
10°	1315.2	1280.7	1294.6	1294.6	1295.2	1357.5	1438.2	1546.8	1568.5	1682.0	1695.4
12.5°	1293.5	1295.2	1350.3	1340.3	1416.0	1527.8	1555.1	1677.0	1666.4	1764.9	1911.3
15°	1374.2	1416.5	1380.9	1394.8	1402.0	1533.4	1577.4	1739.3	1786.1	1910.8	2005.9
17.5°	1512.8	1518.4	1444.3	1424.3	1476.6	1513.9	1602.4	1680.3	1711.5	2038.8	2173.5
20°	1537.8	1573.5	1498.3	1382.6	1493.3	1544.5	1606.3	1643.6	1657.0	2078.3	2268.1
22.5°	1688.7	1649.2	1528.9	1441.0	1472.7	1528.4	1566.8	1679.2	1759.4	2003.7	2358.8
25°	1766.0	1755.5	1640.8	1565.7	1533.4	1528.9	1616.9	1702.0	1727.6	2081.1	2381.1
27.5°	1951.4	1927.5	1705.4	1695.9	1589.6	1496.1	1618.5	1771.6	1819.5	2008.2	2464.6
30°	2203.5	2194.6	1899.1	1892.9	1723.7	1555.7	1708.7	1814.5	1785.5	2045.5	2520.2
32.5°	2457.3	2529.7	2227.5	2054.9	1928.0	1774.4	1683.1	1801.1	1852.9	2136.2	2622.6
35°	2764.0	2816.3	2508.5	2383.3	2101.1	1876.8	1852.9	1928.6	1950.8	2244.2	2739.0
37.5°	3300.6	3221.5	2959.4	2746.2	2598.1	2242.5	2124.5	2064.4	2116.1	2390.5	2976.6
40°	3696.8	3646.7	3323.9	3196.5	2855.8	2647.7	2339.3	2283.1	2341.0	2540.8	3141.9
42.5°	4174.9	4070.9	3767.0	3680.7	3330.0	2928.8	2616.0	2635.4	2599.3	2837.5	3431.9
45°	4607.4	4372.5	4203.3	4222.8	4035.8	3493.7	3077.4	3067.9	3037.8	3267.2	3736.9
47.5°	4898.5	4693.1	4528.4	4474.4	4452.1	4487.2	3744.1	3576.1	3553.8	3718.5	4217.2
50°	5054.9	4830.0	4626.3	4637.5	5089.4	5429.5	4432.1	4193.3	4201.7	4373.6	4874.0
52.5°	4949.7	4695.4	4480.5	4689.2	5583.7	6057.9	5570.9	4999.8	5193.5	5149.5	5755.1
55°	4463.8	4242.8	4090.3	4463.8	5637.7	6734.1	6972.9	6213.7	6170.3	6070.1	6653.4
57.5°	3646.2	3455.8	3361.8	3755.8	5047.1	7279.0	8381.1	7585.7	7215.6	6795.9	7399.2
60°	2716.7	2576.4	2478.5	2686.6	3976.8	6749.7	9303.3	8878.6	8450.1	7495.5	8069.4
62.5°	2012.1	1898.0	1793.9	1812.8	2738.4	5805.2	9657.3	10248.4	10002.4	8234.1	8701.7
65°	1605.7	1501.7	1428.8	1387.0	1695.9	4367.5	9164.7	11371.0	11654.9	8929.9	9158.1
67.5°	1311.3	1223.4	1187.2	1235.1	1330.2	2489.6	7849.0	12052.3	12464.2	9667.9	9270.5
70°	1067.0	994.6	990.7	1119.8	1225.0	1517.8	5773.5	11582.0	11892.0	9793.7	8596.5
72.5°	743.6	711.9	762.5	945.6	1213.9	1264.0	3315.6	9584.4	9595.5	8649.9	7070.9
75°	420.8	415.8	495.9	754.2	1182.2	1251.2	1848.4	6773.1	6778.1	6542.1	4898.5
77.5°	231.5	216.5	288.9	509.8	1015.2	1222.3	1192.2	4624.7	4506.1	3640.6	2237.5
80°	106.9	100.7	156.4	326.7	742.5	1156.0	955.7	2541.9	2292.0	1186.1	546.0
82.5°	44.0	41.7	71.8	209.8	469.2	931.2	805.4	1127.6	905.0	225.4	168.6
85°	7.8	8.3	29.5	126.9	262.7	429.1	652.9	535.4	393.5	62.3	92.4
87.5°	0.0	0.0	6.1	30.6	63.5	117.4	264.9	149.7	103.0	18.4	27.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	1141.6	1132.1	1036.4	1040.8	1047.5	1041.4	1040.3	1013.5	989.1	1069.8	1068.6
5°	1443.8	1376.4	1310.2	1284.6	1229.5	1157.1	1157.7	1134.9	1111.5	1144.3	1144.3
7.5°	1659.2	1566.2	1482.2	1332.5	1186.6	1054.7	1043.0	1011.9	976.3	1019.1	1027.5
10°	1709.3	1628.6	1520.0	1300.2	1162.1	1033.6	892.2	775.9	721.9	696.8	692.4
12.5°	1863.4	1803.3	1560.7	1317.4	1118.7	901.1	669.6	531.5	437.5	430.2	420.2
15°	1966.4	1924.1	1600.7	1274.6	935.1	647.9	420.8	322.8	285.0	281.6	276.6
17.5°	2126.2	2052.7	1562.3	1138.2	731.4	427.5	282.7	254.9	259.4	269.4	261.6
20°	2191.3	2047.7	1478.8	940.6	513.7	286.6	245.5	230.4	242.1	251.6	247.1
22.5°	2258.1	2062.1	1404.8	775.3	335.6	237.1	218.7	210.9	212.1	221.5	222.1
25°	2257.5	2102.2	1319.1	603.9	249.9	210.9	197.6	187.6	183.7	190.4	188.7
27.5°	2367.2	2056.0	1162.7	448.1	219.9	188.7	175.9	163.6	149.7	156.4	156.4
30°	2367.7	2131.2	1053.6	321.7	201.5	168.1	157.0	138.0	121.9	127.5	128.0
32.5°	2430.6	2066.0	952.9	246.0	187.0	155.8	131.4	114.1	104.6	108.0	108.0
35°	2502.4	2121.7	798.1	217.1	172.5	138.6	112.4	98.5	91.3	94.1	94.1
37.5°	2739.5	2110.0	690.7	202.0	163.1	125.2	102.4	86.8	83.5	85.2	87.4
40°	2825.2	2192.9	544.9	193.1	147.5	113.0	90.2	78.5	74.0	75.1	75.7
42.5°	3043.4	2211.3	435.2	185.9	133.6	98.0	80.1	71.8	66.2	66.2	67.9
45°	3284.4	2257.5	346.2	179.8	121.9	87.9	72.4	65.7	57.3	56.2	58.4
47.5°	3633.4	2434.5	282.2	167.5	108.0	81.8	66.8	56.8	50.1	47.9	50.1
50°	4217.2	2735.1	249.4	152.5	98.0	76.8	59.0	48.4	43.4	40.6	42.3
52.5°	5041.0	3254.4	232.1	138.6	89.1	69.0	52.9	42.3	37.3	35.1	36.2
55°	5956.0	3849.9	223.7	124.7	81.3	60.7	46.2	37.3	32.8	30.1	30.6
57.5°	6802.0	4409.8	215.4	111.3	73.5	54.0	40.6	32.8	28.4	25.6	26.2
60°	7635.8	4856.8	195.4	95.7	66.2	48.4	35.6	28.4	25.6	22.3	22.3
62.5°	8373.3	5123.9	166.4	82.9	59.6	42.9	31.7	25.6	23.4	20.0	20.0
65°	8875.3	5136.2	134.1	71.2	52.3	36.7	27.8	23.9	21.7	17.8	17.3
67.5°	8882.5	4802.2	107.4	63.5	46.2	32.3	25.0	22.8	20.0	16.7	15.6
70°	7950.3	3967.3	89.6	55.7	40.1	28.4	21.7	21.7	19.5	16.1	14.5
72.5°	6359.5	3031.7	75.1	48.4	35.6	24.5	20.0	20.6	18.9	16.1	14.5
75°	4274.6	1738.8	62.3	41.2	31.2	20.6	19.5	20.0	19.5	16.1	13.9
77.5°	1968.6	553.8	48.4	34.0	26.7	17.3	18.9	18.9	17.8	14.5	12.2
80°	443.6	136.4	35.1	25.0	21.7	12.8	17.3	15.6	13.9	10.0	7.2
82.5°	161.4	41.7	21.2	15.6	13.4	5.0	11.1	11.1	10.0	7.2	4.5
85°	92.4	21.7	11.7	10.0	7.2	2.2	6.1	6.7	5.6	5.0	2.2
87.5°	30.1	5.0	5.6	6.1	5.6	1.1	2.2	2.2	1.7	1.1	0.0
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)