

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: P368467

Luminaire Tested: **PMM-SA4C-727-U-T4W-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-15)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA4C-727-U-T4W-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15171 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

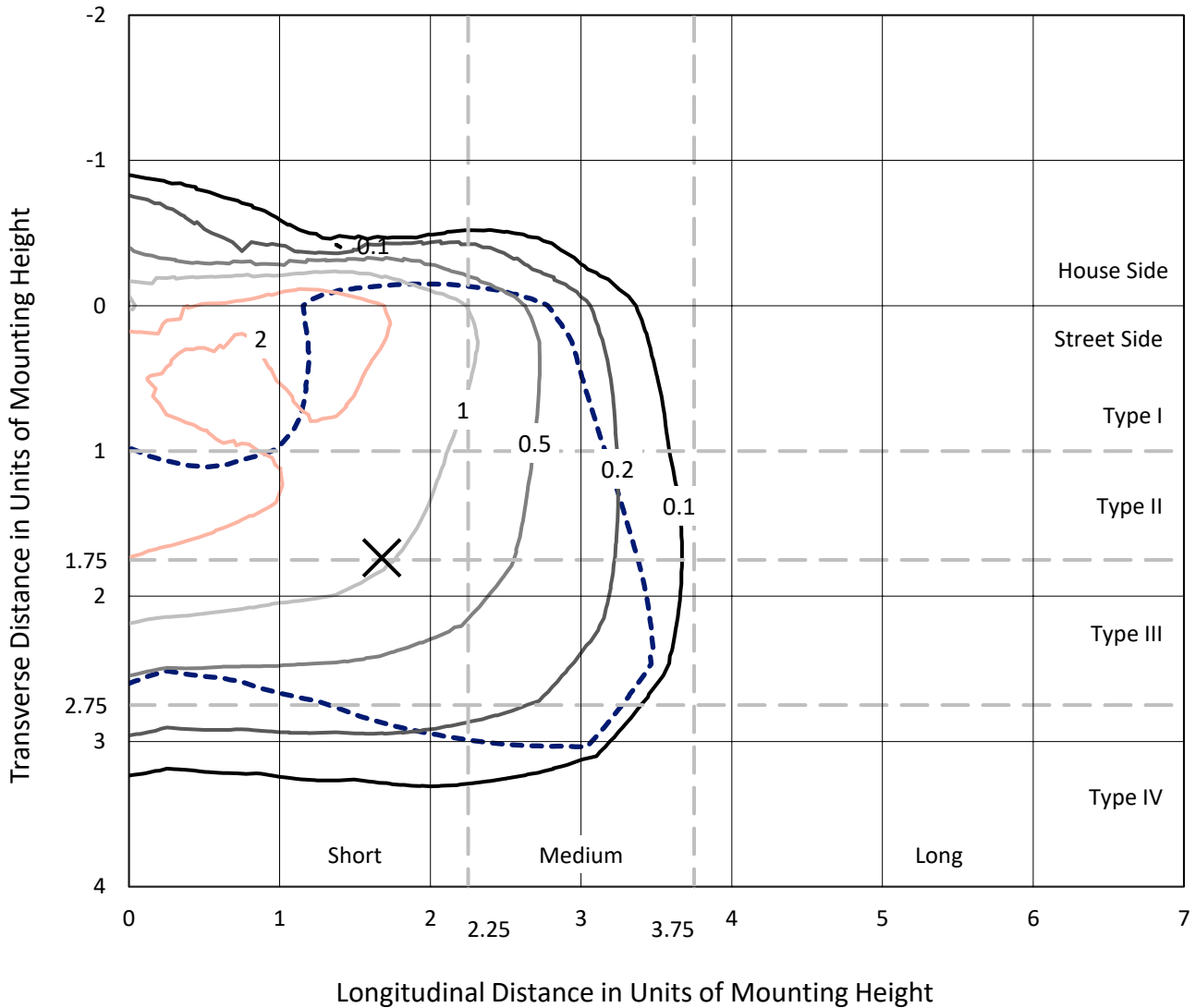
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

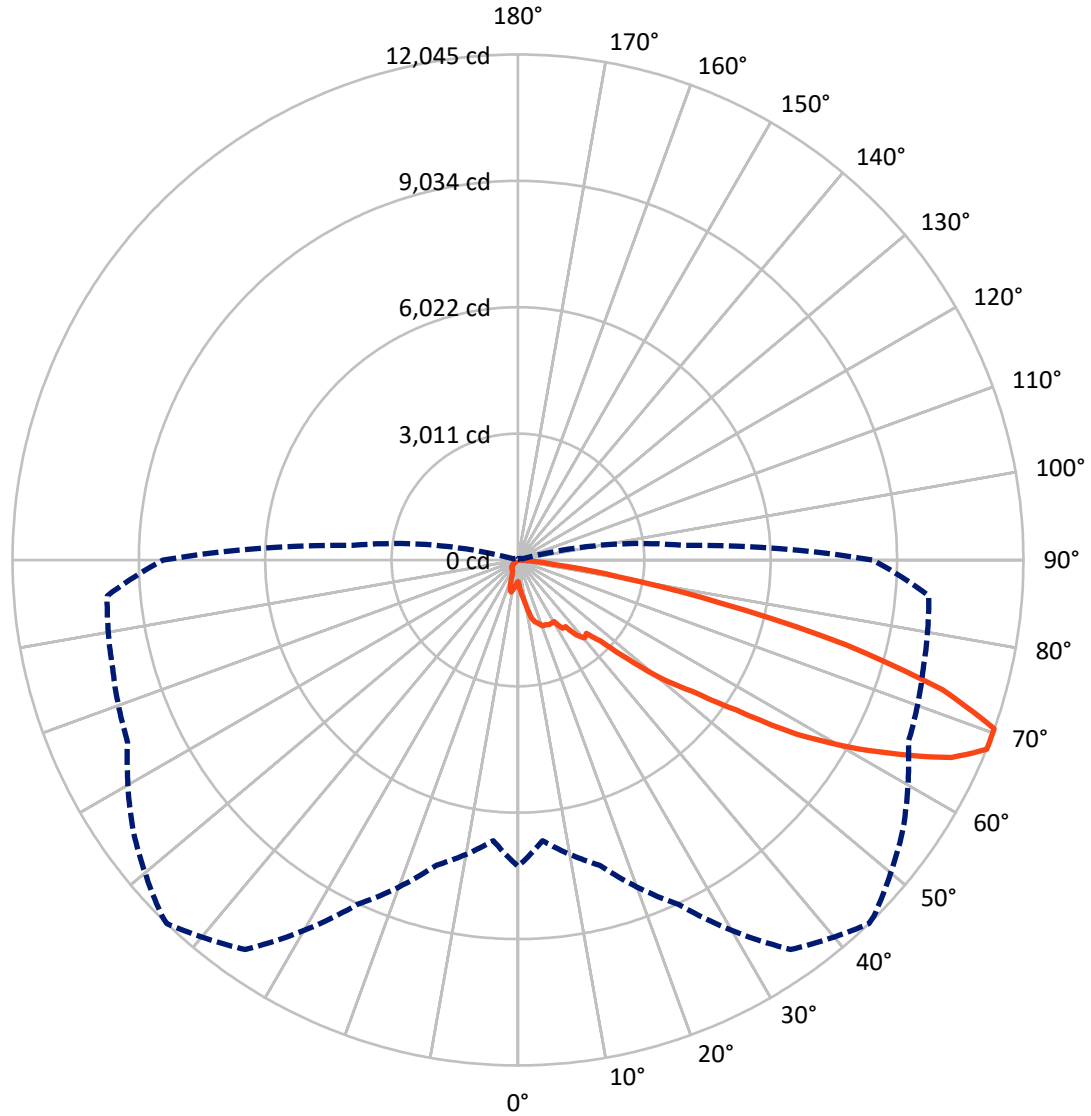
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1541.1	0.0	1541.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	13629.9	0.0	13629.9
	% Fixture	89.8	0.0	89.8
Total	Lumens	15171.0	0.0	15171.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	0.5
10°-20°	317.2	2.1
20°-30°	561.9	3.7
30°-40°	913.3	6.0
40°-50°	1827.5	12.0
50°-60°	3749.3	24.7
60°-70°	5150.4	33.9
70°-80°	2420.7	16.0
80°-90°	155.0	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°	15171.0	100.0
0°-180°	15171.0	100.0

Coefficient of Utilization

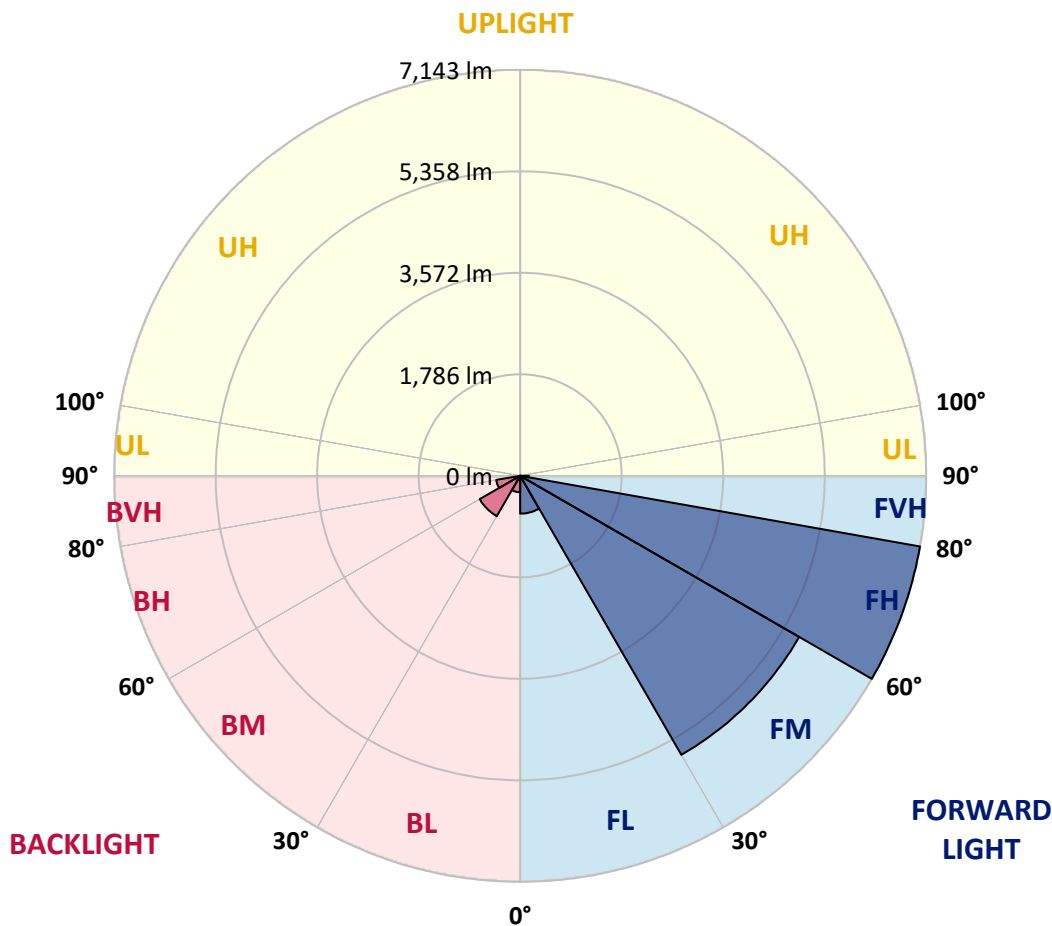


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.4	4.4			
FM (30°-60°)	5669.2	37.4			
FH (60°-80°)	7143.4	47.1			G3/7500
FVH (80°-90°)	151.9	1.0			G2/225
BL (0°-30°)	289.4	1.9	B1/500		
BM (30°-60°)	820.9	5.4	B1/1000		
BH (60°-80°)	427.6	2.8	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1
2.5°	650.0	629.1	599.0	605.7	609.0	618.2	619.1	607.3	573.9	564.7	605.7
5°	911.0	860.0	850.8	831.5	793.1	772.1	767.1	788.0	761.3	752.9	763.8
7.5°	1163.7	1120.2	1072.5	1046.5	966.2	916.9	914.4	922.7	927.7	898.5	913.5
10°	1331.8	1284.1	1274.1	1213.0	1143.6	1131.9	1126.9	1095.1	1069.1	1047.4	974.6
12.5°	1484.1	1483.2	1501.6	1413.8	1402.9	1414.6	1410.4	1296.7	1270.7	1179.6	1158.6
15°	1686.5	1736.7	1657.2	1583.6	1489.9	1530.1	1519.2	1446.4	1428.9	1366.9	1277.4
17.5°	1896.5	1909.9	1776.9	1663.9	1639.7	1587.0	1597.8	1571.9	1483.2	1532.6	1443.9
20°	1901.5	1930.8	1788.6	1602.0	1676.5	1674.0	1674.8	1649.7	1532.6	1648.0	1566.9
22.5°	1971.8	1899.8	1767.7	1648.9	1662.3	1674.8	1688.2	1657.2	1632.1	1660.6	1675.6
25°	1943.3	1914.9	1787.7	1709.1	1696.6	1706.6	1709.9	1749.3	1733.4	1802.0	1764.3
27.5°	2017.0	1976.0	1748.4	1762.6	1718.3	1706.6	1686.5	1817.9	1864.7	1810.3	1910.7
30°	2143.3	2137.4	1816.2	1837.1	1802.8	1699.9	1753.4	1924.9	1983.5	1950.0	2072.2
32.5°	2340.7	2360.8	2014.4	1878.9	1896.5	1942.5	1922.4	1924.9	2073.0	2147.5	2244.5
35°	2621.0	2610.1	2207.7	2037.9	1945.8	1953.4	1981.8	2118.2	2309.8	2304.7	2407.6
37.5°	3171.4	3052.6	2549.8	2200.2	2227.8	2265.4	2244.5	2427.7	2446.1	2452.8	2698.8
40°	3982.9	3824.8	3089.4	2542.3	2276.3	2442.8	2432.7	2477.9	2600.9	2646.9	3005.8
42.5°	5052.0	4839.5	4038.9	3171.4	2510.5	2395.9	2457.8	2543.2	2956.4	3087.8	3480.9
45°	6233.2	5803.2	4985.9	4068.2	3097.8	2742.3	2789.1	2948.1	3521.1	3738.6	4172.8
47.5°	6998.7	6620.6	5923.7	4862.9	3710.2	3523.6	3527.8	3562.1	4184.5	4587.7	5170.0
50°	7663.8	7261.4	6614.7	5693.7	4793.5	4440.5	4360.2	4202.1	5029.4	5580.7	6226.5
52.5°	8602.4	8132.2	7305.7	6668.3	6029.1	5197.6	5169.1	5222.7	6025.8	6605.5	7309.9
55°	9449.0	8877.6	8088.7	7687.2	7437.9	6310.2	6334.5	6424.0	7304.9	7611.9	8273.6
57.5°	9822.9	9203.9	8798.1	8617.5	8484.4	7830.2	7748.3	7694.7	8313.8	8430.9	9283.4
60°	10068.1	9479.1	9295.1	9336.9	9740.1	9045.8	8971.3	8660.1	9148.7	9244.9	10188.5
62.5°	9913.3	9376.2	9415.5	9764.4	10659.5	10202.7	9987.7	9467.4	9831.3	9909.1	10838.5
65°	8938.7	8379.0	8884.3	9728.4	11360.5	11349.7	11250.1	10212.8	10209.4	10309.0	10888.7
67.5°	7301.5	6714.3	7531.6	9054.1	11331.3	12044.9	11998.0	11201.6	10263.8	9997.8	9826.3
70°	5076.3	4566.8	5493.7	7477.2	10321.5	12039.8	11964.5	11865.8	9833.8	8605.7	7618.6
72.5°	2637.7	2357.4	3220.8	5152.4	8227.6	10578.4	10826.8	10664.5	8396.6	6252.5	4486.5
75°	896.0	803.9	1328.5	2734.7	5469.5	8077.9	8369.0	8204.2	5702.9	3354.6	1774.4
77.5°	347.2	322.9	476.0	1110.1	2743.9	4922.3	5238.6	5070.4	3058.5	1228.9	417.4
80°	197.4	190.7	262.7	500.3	1209.7	2448.6	2671.2	2422.7	1102.6	414.1	108.8
82.5°	83.7	86.2	146.4	270.2	608.2	864.2	963.7	879.2	461.8	283.6	40.2
85°	18.4	22.6	69.4	150.6	255.2	246.8	258.5	286.9	283.6	208.3	17.6
87.5°	0.0	0.0	21.8	41.0	61.1	40.2	31.8	56.0	87.0	83.7	7.5
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°	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1
2.5°	613.2	604.8	552.1	548.8	552.1	542.9	542.1	522.9	524.5	568.0	571.4
5°	763.8	722.0	676.8	662.6	649.2	619.1	635.8	635.8	635.8	663.4	671.8
7.5°	900.1	844.1	780.5	727.0	675.1	637.5	663.4	681.8	692.7	728.6	745.4
10°	962.0	906.8	849.9	773.8	733.7	719.4	689.3	673.4	692.7	685.1	694.3
12.5°	1094.2	1044.0	946.2	867.5	837.4	788.9	700.2	638.3	597.3	590.6	588.9
15°	1223.1	1192.1	1060.8	955.4	850.8	738.7	587.3	505.3	461.8	454.3	455.1
17.5°	1386.2	1341.8	1148.6	997.2	819.8	618.2	453.4	383.1	379.8	398.2	399.9
20°	1494.9	1422.2	1192.9	962.9	717.8	467.6	354.7	338.0	364.7	398.2	394.9
22.5°	1598.7	1520.0	1251.5	932.8	556.3	354.7	326.3	327.9	350.5	386.5	395.7
25°	1667.3	1638.8	1323.4	862.5	424.1	307.0	312.0	324.6	343.8	378.1	378.1
27.5°	1873.9	1740.9	1315.1	726.1	326.3	286.1	297.8	313.7	323.8	364.7	368.9
30°	1999.4	1955.9	1358.6	587.3	286.1	259.3	281.9	296.1	302.8	349.7	351.4
32.5°	2153.3	2057.1	1411.3	433.3	266.0	257.7	252.6	263.5	282.8	323.8	326.3
35°	2340.7	2312.3	1336.0	340.5	259.3	240.9	230.9	236.7	249.3	276.9	282.8
37.5°	2723.0	2554.0	1290.8	292.0	259.3	235.1	224.2	209.1	210.8	230.1	240.9
40°	3045.1	2993.2	1164.5	283.6	247.6	226.7	199.9	181.5	169.0	174.8	179.0
42.5°	3636.5	3396.5	1001.4	279.4	236.7	205.0	169.8	150.6	131.3	133.0	139.7
45°	4354.3	3836.5	855.8	275.2	229.2	183.2	143.1	120.5	100.4	101.2	107.9
47.5°	5313.0	4478.1	679.3	262.7	215.8	163.1	115.4	92.0	80.3	82.8	88.7
50°	6402.2	5041.1	537.1	243.4	199.9	143.9	93.7	74.5	70.3	72.8	79.5
52.5°	7375.2	5456.1	443.4	225.9	177.4	117.1	78.6	66.1	64.4	66.1	71.1
55°	8240.2	5697.0	370.6	205.8	152.3	94.5	71.1	61.1	60.2	59.4	62.7
57.5°	9051.6	5766.4	289.5	174.0	123.8	82.0	66.1	56.9	55.2	52.7	55.2
60°	9643.1	5647.6	212.5	139.7	101.2	74.5	61.9	51.0	48.5	44.3	46.0
62.5°	9928.3	5322.2	160.6	112.1	86.2	67.8	55.2	44.3	41.0	36.0	36.8
65°	9657.3	4786.0	126.3	94.5	73.6	56.9	46.8	37.6	33.5	28.4	28.4
67.5°	8456.8	3970.3	107.1	82.0	61.9	48.5	38.5	34.3	27.6	23.4	22.6
70°	6207.3	2856.0	92.0	71.9	53.5	41.8	32.6	31.0	26.8	22.6	20.9
72.5°	3503.5	1616.2	78.6	63.6	45.2	35.1	27.6	28.4	25.9	20.9	19.2
75°	1336.8	544.6	65.3	52.7	36.8	26.8	23.4	23.4	23.4	17.6	15.1
77.5°	331.3	138.9	51.9	42.7	29.3	17.6	19.2	20.1	20.1	15.1	10.9
80°	91.2	46.8	31.0	31.0	20.9	10.0	13.4	13.4	10.9	5.0	0.0
82.5°	33.5	17.6	10.9	13.4	9.2	3.3	5.0	3.3	2.5	0.0	0.0
85°	14.2	9.2	6.7	7.5	4.2	0.0	0.8	1.7	0.0	0.0	0.0
87.5°	5.9	4.2	3.3	3.3	1.7	0.0	0.0	0.0	0.0	0.0	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)