

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: P381056

Luminaire Tested: **USSL-XL-PA3A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P381056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-XL-PA3A-730-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 750mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23180 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1.42' x L: 1.79' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G4

Input Watts (W): 172
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



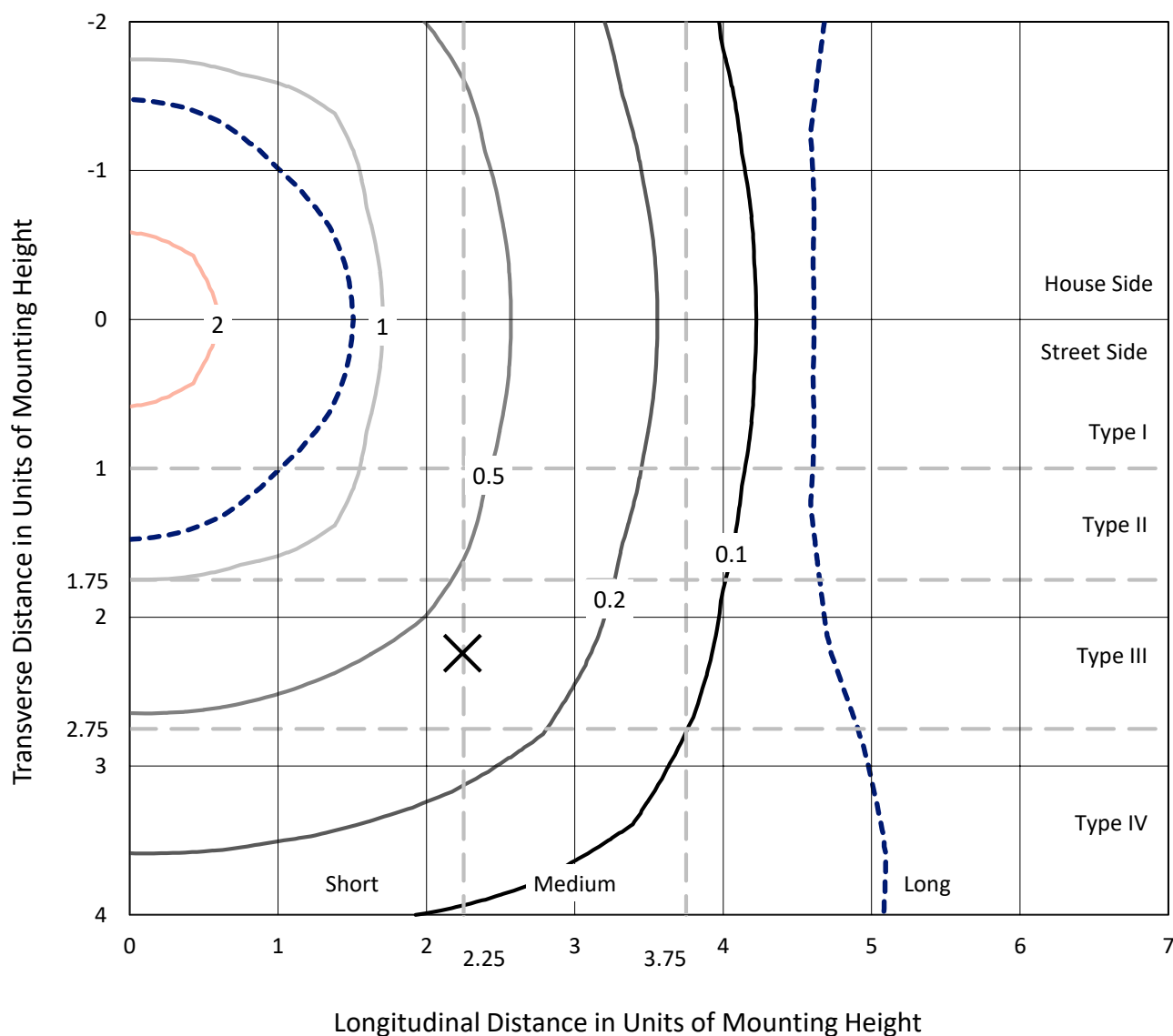
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

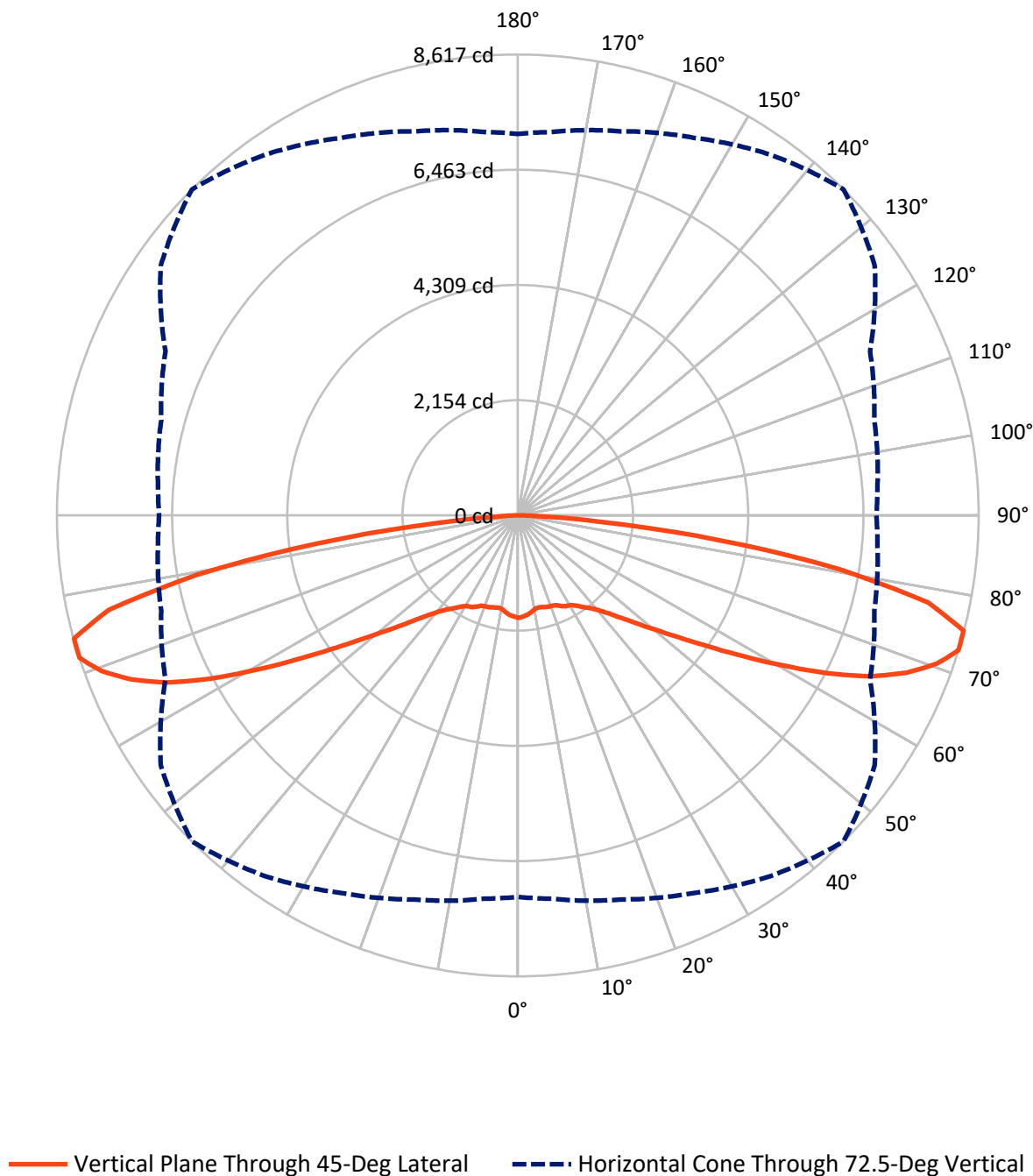


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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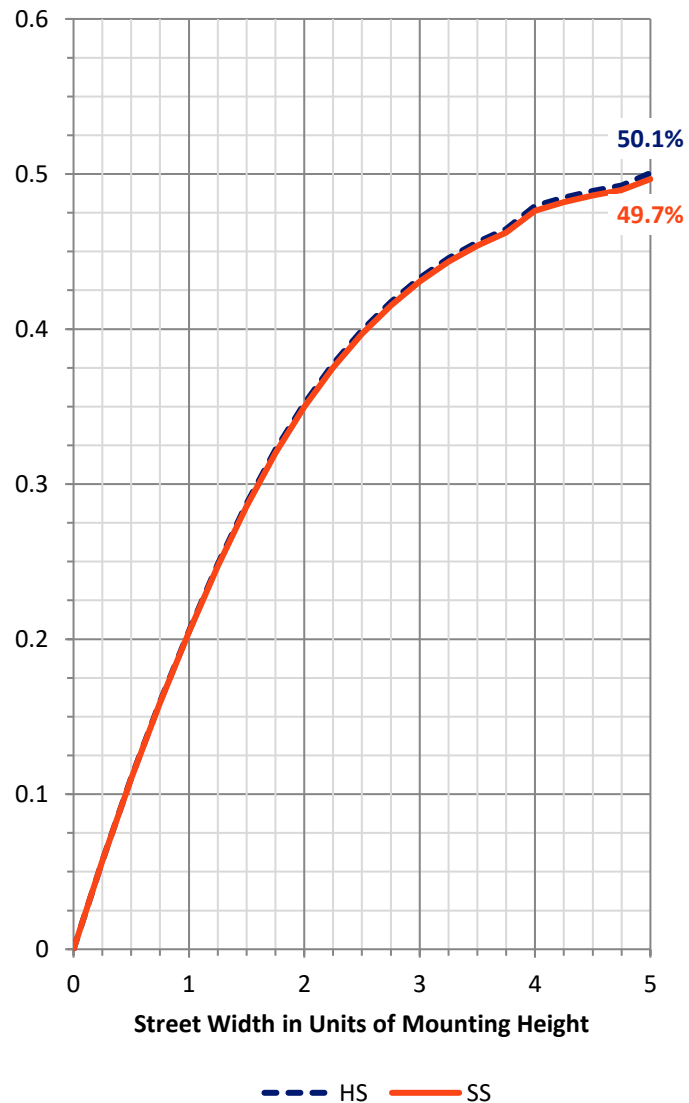
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11590.0	0.0	11590.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11590.0	0.0	11590.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23180.0	0.0	23180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	0.8
10°-20°	510.6	2.2
20°-30°	867.5	3.7
30°-40°	1323.2	5.7
40°-50°	2178.8	9.4
50°-60°	3804.9	16.4
60°-70°	6378.9	27.5
70°-80°	6826.8	29.5
80°-90°	1113.4	4.8
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°	23180.0	100.0
0°-180°	23180.0	100.0

Coefficient of Utilization



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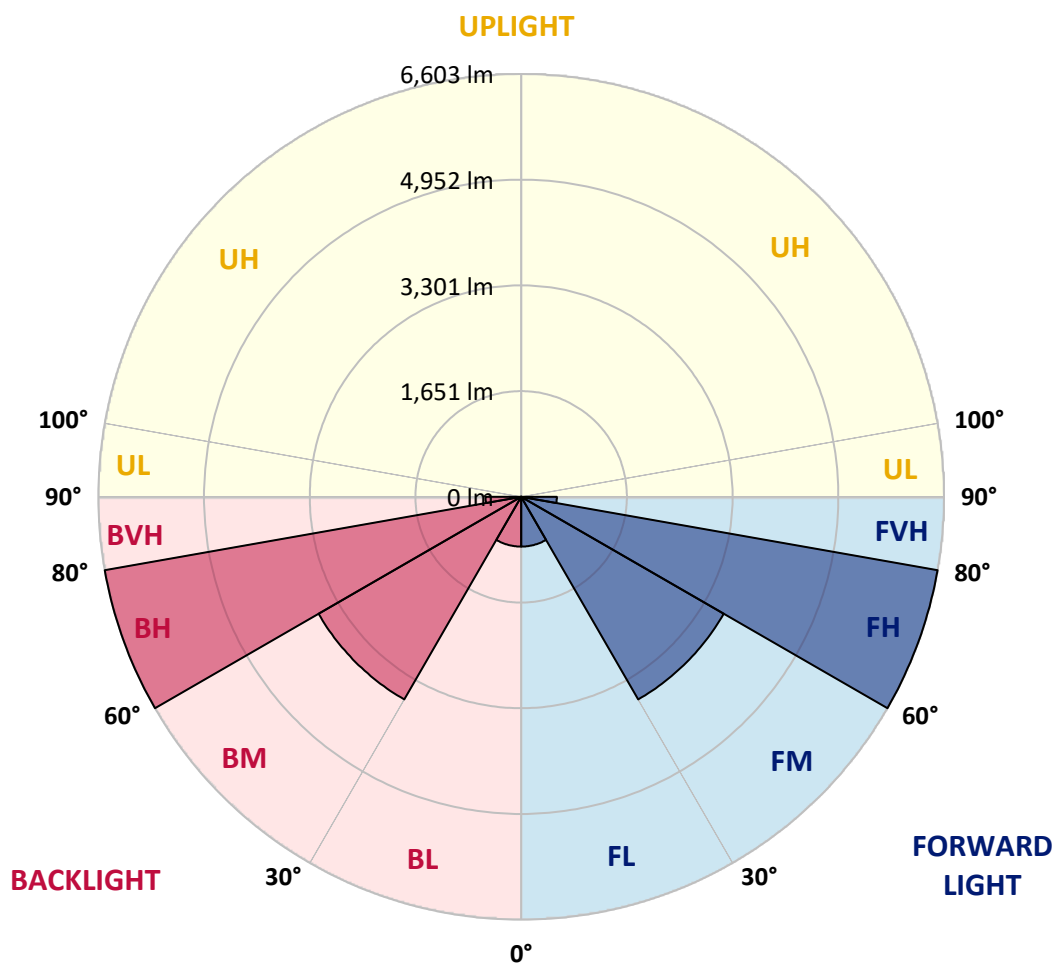
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	777.0	3.4			
FM	(30°-60°)	3653.4	15.8			
FH	(60°-80°)	6602.8	28.5			G3/7500
FVH	(80°-90°)	556.7	2.4			G4/750
BL	(0°-30°)	777.0	3.4	B2/1000		
BM	(30°-60°)	3653.4	15.8	B3/5000		
BH	(60°-80°)	6602.8	28.5	B5		G3/7500
BVH	(80°-90°)	556.7	2.4			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2	1918.2
2.5°	1906.3	1906.3	1906.3	1903.4	1897.4	1894.5	1888.6	1891.5	1891.5	1891.5	1891.5
5°	1882.6	1882.6	1879.7	1876.7	1870.8	1867.8	1861.9	1867.8	1867.8	1867.8	1867.8
7.5°	1838.2	1841.2	1841.2	1838.2	1829.4	1826.4	1817.5	1820.5	1820.5	1823.4	1820.5
10°	1814.6	1814.6	1811.6	1796.8	1782.0	1776.1	1773.1	1782.0	1790.9	1799.8	1799.8
12.5°	1814.6	1814.6	1808.6	1785.0	1764.2	1764.2	1776.1	1776.1	1793.8	1811.6	1814.6
15°	1823.4	1823.4	1811.6	1785.0	1773.1	1776.1	1776.1	1787.9	1808.6	1832.3	1835.3
17.5°	1829.4	1829.4	1814.6	1787.9	1787.9	1796.8	1790.9	1799.8	1820.5	1847.1	1850.1
20°	1838.2	1838.2	1817.5	1796.8	1796.8	1805.7	1805.7	1814.6	1832.3	1859.0	1861.9
22.5°	1856.0	1853.0	1832.3	1814.6	1814.6	1820.5	1826.4	1838.2	1853.0	1876.7	1882.6
25°	1876.7	1876.7	1859.0	1856.0	1861.9	1876.7	1873.8	1870.8	1876.7	1897.4	1906.3
27.5°	1888.6	1888.6	1876.7	1885.6	1909.3	1921.1	1906.3	1894.5	1894.5	1915.2	1918.2
30°	1927.1	1924.1	1912.3	1918.2	1938.9	1944.8	1935.9	1921.1	1930.0	1953.7	1956.7
32.5°	1992.2	1992.2	1974.4	1974.4	1989.2	2012.9	1983.3	1974.4	1986.3	2012.9	2015.9
35°	2092.8	2092.8	2069.1	2057.3	2069.1	2101.7	2057.3	2054.3	2075.1	2104.7	2107.6
37.5°	2220.1	2220.1	2205.3	2175.7	2178.7	2199.4	2160.9	2157.9	2196.4	2229.0	2229.0
40°	2380.0	2388.8	2374.0	2338.5	2326.7	2329.6	2300.0	2303.0	2347.4	2385.9	2385.9
42.5°	2578.3	2584.2	2560.5	2533.9	2519.1	2510.2	2480.6	2486.5	2539.8	2590.1	2590.1
45°	2818.1	2821.0	2797.3	2764.8	2747.0	2741.1	2711.5	2726.3	2785.5	2838.8	2835.8
47.5°	3087.4	3090.4	3066.7	3034.1	3022.3	3031.2	3001.6	3001.6	3054.9	3099.3	3093.3
50°	3392.3	3398.2	3371.6	3356.8	3347.9	3371.6	3336.1	3303.5	3339.0	3383.4	3377.5
52.5°	3729.8	3744.6	3726.8	3732.7	3765.3	3794.9	3735.7	3664.7	3682.4	3712.0	3703.1
55°	4138.3	4156.0	4162.0	4182.7	4268.5	4318.8	4221.2	4102.8	4093.9	4096.8	4082.0
57.5°	4597.1	4608.9	4647.4	4694.8	4872.4	4952.3	4798.4	4594.1	4529.0	4490.5	4481.7
60°	5058.9	5079.6	5174.3	5272.0	5544.3	5689.4	5452.6	5109.2	4970.1	4899.0	4884.2
62.5°	5523.6	5565.1	5719.0	5884.8	6281.4	6497.5	6133.4	5636.1	5434.8	5346.0	5322.3
65°	6062.4	6112.7	6299.2	6509.3	6950.4	7255.3	6814.2	6180.8	5964.7	5846.3	5816.7
67.5°	6692.9	6746.2	6897.1	7131.0	7548.4	7847.3	7456.6	6737.3	6456.1	6305.1	6281.4
70°	7210.9	7258.3	7421.1	7657.9	7968.7	8309.1	7936.1	7181.3	6926.7	6820.2	6805.4
72.5°	7131.0	7193.1	7432.9	7788.1	8232.1	8617.0	8146.3	7267.1	6900.1	6752.1	6704.7
75°	6228.1	6296.2	6580.4	7222.7	8033.8	8608.1	7841.4	6695.8	6263.7	6139.3	6115.6
77.5°	4123.5	4188.6	4668.1	5680.5	7015.5	7844.4	6920.8	5609.5	4913.8	4614.9	4597.1
80°	1666.6	1749.4	2208.3	3282.8	4973.0	6097.9	5132.9	3590.6	2421.4	1953.7	1859.0
82.5°	387.8	461.8	672.0	1210.7	2545.7	3797.9	2767.7	1340.9	778.5	553.5	497.3
85°	162.8	165.8	287.1	393.7	796.3	1533.4	905.8	488.4	396.7	290.1	284.2
87.5°	62.2	65.1	139.1	165.8	254.6	290.1	307.9	251.6	233.9	145.0	139.1
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)