

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209253

Luminaire Tested: UPW-SA2-110-730-U-5NQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-730-U-5NQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13866 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

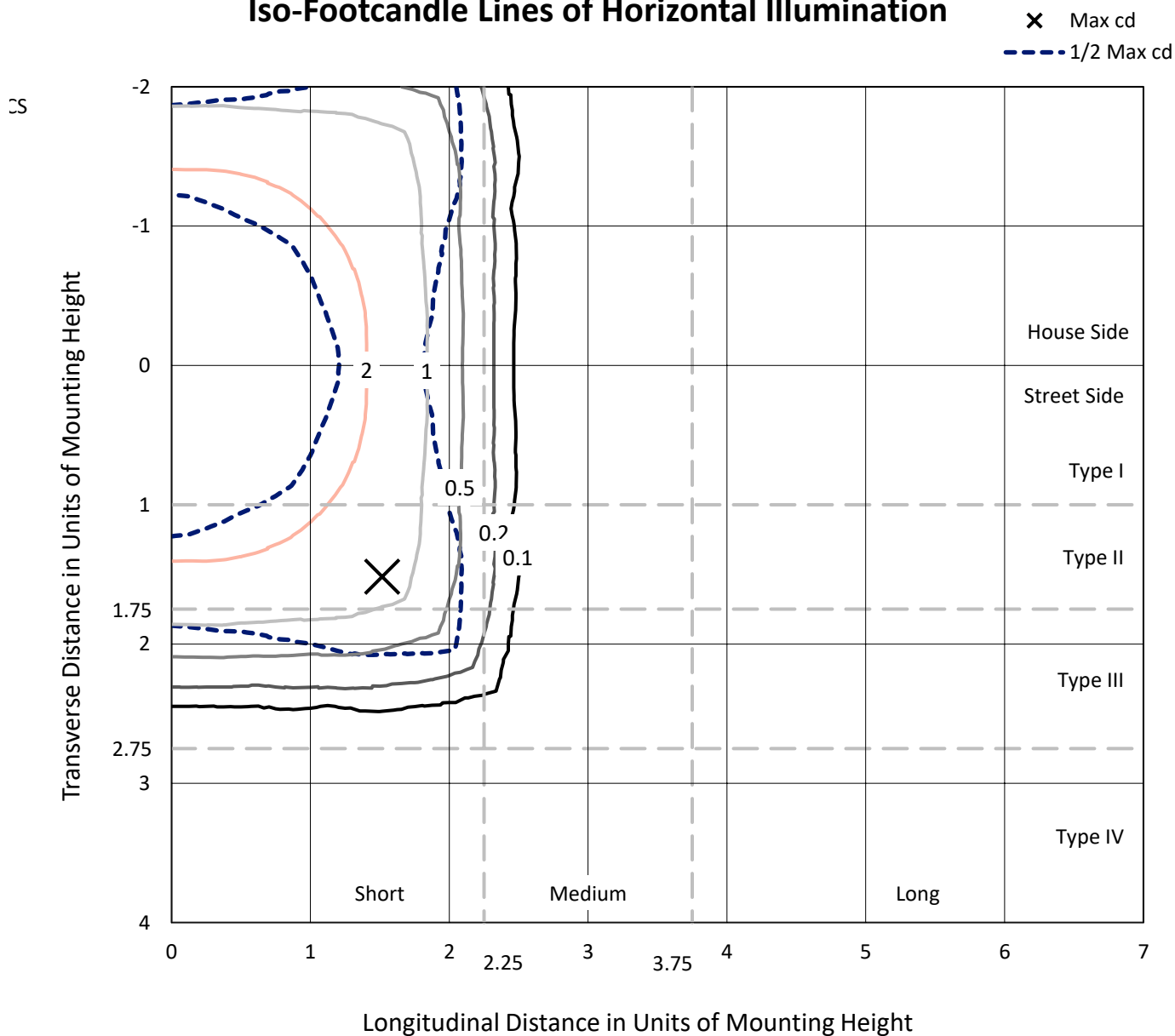
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209253

CATALOG NUMBER: UPW-SA2-110-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

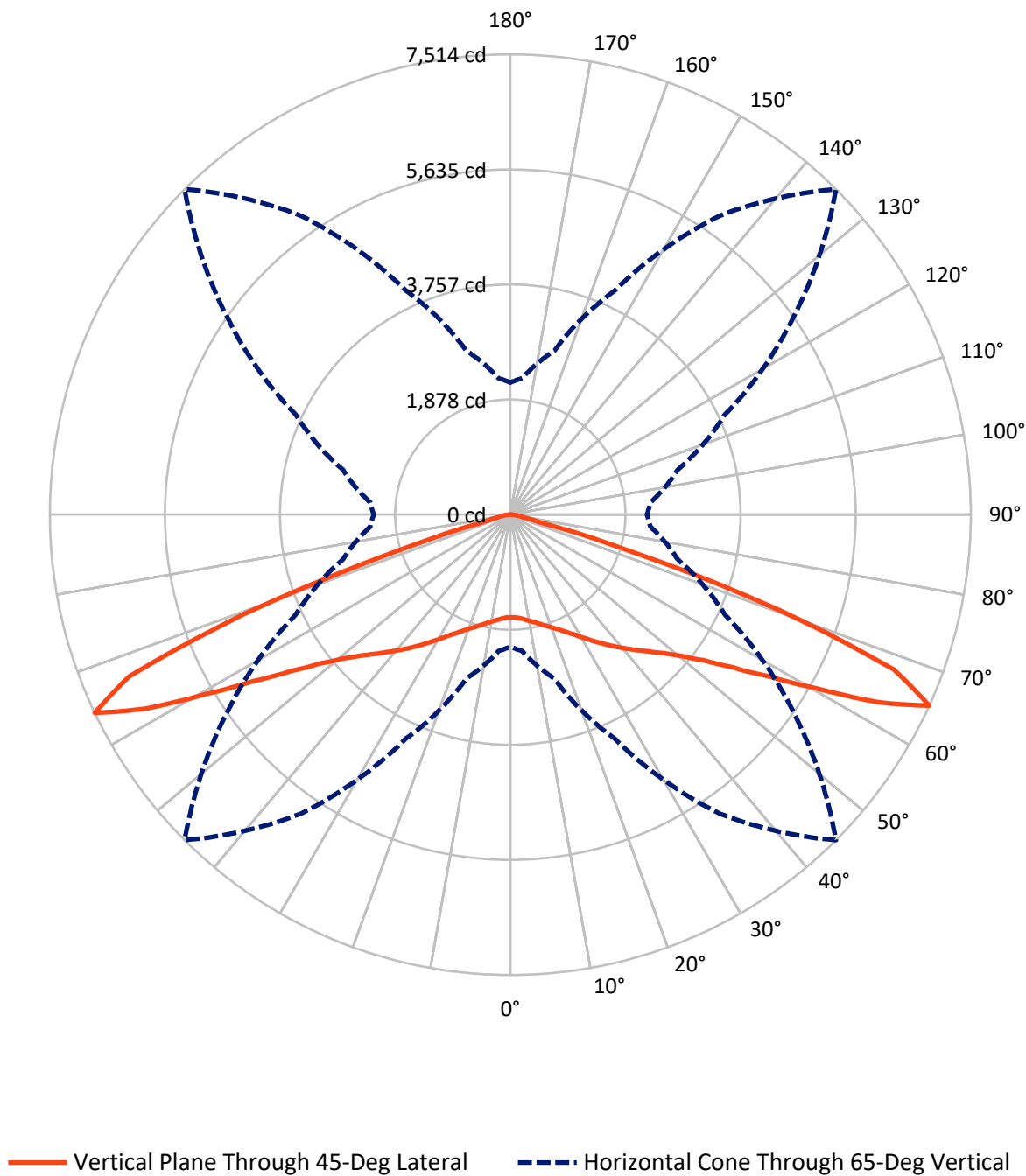


Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P1209253

CATALOG NUMBER: UPW-SA2-110-730-U-5NQ

Luminous Intensity Polar Plot



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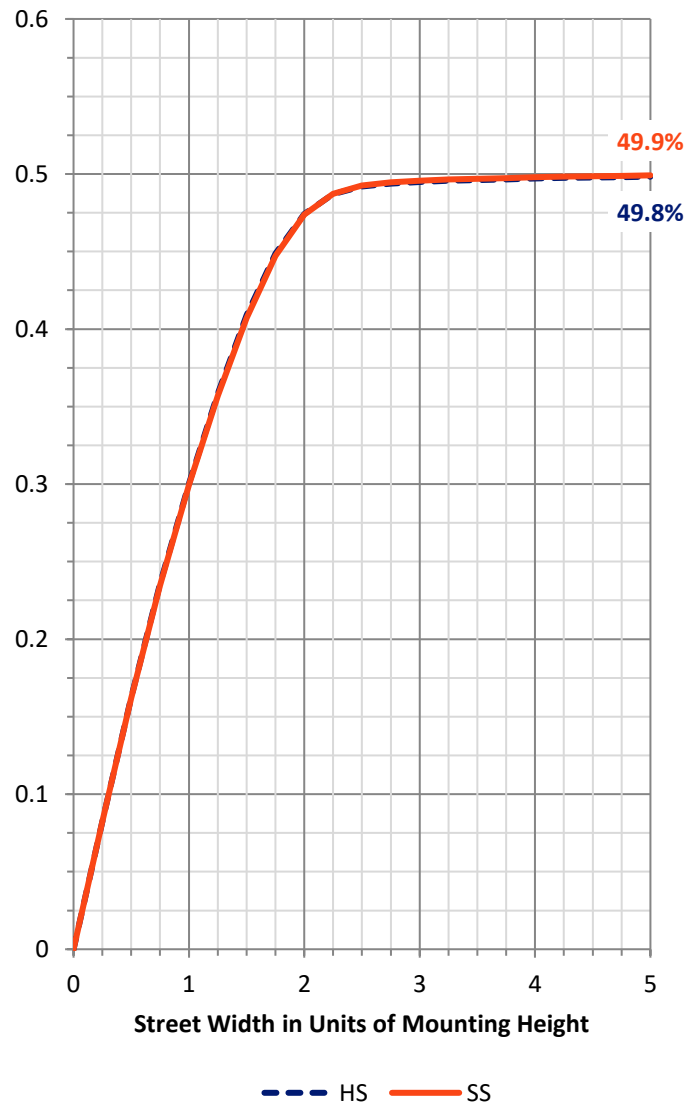
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6933.0	0.0	6933.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6933.0	0.0	6933.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13866.0	0.0	13866.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.3	1.2
10°-20°	528.1	3.8
20°-30°	990.8	7.1
30°-40°	1638.5	11.8
40°-50°	2537.9	18.3
50°-60°	3892.4	28.1
60°-70°	3632.0	26.2
70°-80°	422.7	3.0
80°-90°	59.4	0.4
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°	13866.0	100.0
0°-180°	13866.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209253

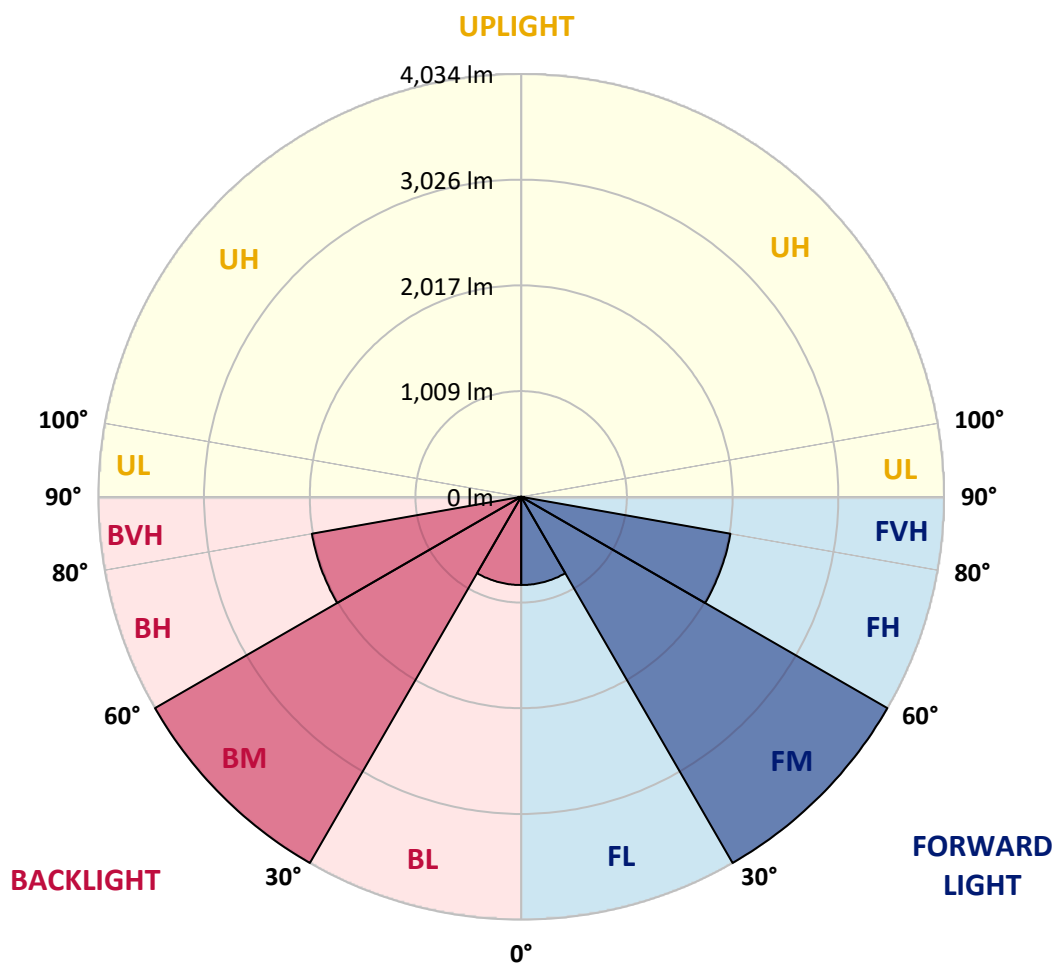
CATALOG NUMBER: UPW-SA2-110-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	841.6	6.1			
FM	(30°-60°)	4034.4	29.1			
FH	(60°-80°)	2027.4	14.6			G2/5000
FVH	(80°-90°)	29.7	0.2			G1/100
BL	(0°-30°)	841.6	6.1	B2/1000		
BM	(30°-60°)	4034.4	29.1	B3/5000		
BH	(60°-80°)	2027.4	14.6	B3/2500		G2/5000
BVH	(80°-90°)	29.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5
2.5°	1680.0	1679.1	1680.0	1680.5	1677.7	1679.1	1678.6	1680.9	1681.9	1680.9	1680.9
5°	1699.4	1698.0	1699.8	1702.1	1698.4	1699.4	1698.0	1700.7	1701.7	1699.8	1701.2
7.5°	1726.0	1726.5	1728.3	1732.5	1730.2	1732.0	1729.3	1729.7	1729.3	1726.5	1727.0
10°	1755.0	1755.5	1758.7	1764.2	1765.2	1765.2	1763.3	1761.9	1760.1	1758.3	1758.7
12.5°	1790.0	1792.3	1794.6	1801.5	1801.5	1805.2	1804.3	1800.6	1797.4	1794.6	1794.6
15°	1837.4	1837.0	1839.7	1846.6	1849.9	1855.8	1855.8	1850.8	1846.6	1843.9	1843.0
17.5°	1887.1	1888.5	1890.4	1898.7	1903.7	1910.6	1911.5	1907.4	1904.6	1901.0	1898.7
20°	1945.1	1947.4	1954.8	1958.0	1962.6	1969.1	1971.4	1970.5	1967.7	1965.9	1966.3
22.5°	2012.8	2018.8	2023.4	2028.0	2033.5	2038.1	2040.4	2043.6	2040.9	2039.5	2038.6
25°	2094.7	2098.9	2108.1	2116.4	2120.0	2121.4	2124.2	2128.8	2128.3	2125.1	2125.1
27.5°	2187.7	2195.5	2207.0	2219.0	2219.0	2214.4	2223.6	2231.4	2228.7	2224.5	2219.0
30°	2300.5	2307.8	2321.2	2337.8	2329.5	2326.3	2338.7	2352.9	2348.8	2341.9	2341.0
32.5°	2422.0	2428.9	2446.4	2464.3	2453.7	2449.1	2462.5	2483.2	2475.8	2462.0	2453.7
35°	2553.6	2560.5	2585.4	2607.0	2589.1	2581.2	2592.3	2614.8	2602.0	2576.2	2569.7
37.5°	2696.8	2700.5	2732.7	2754.8	2742.3	2721.6	2735.4	2752.0	2741.0	2709.7	2697.2
40°	2845.4	2858.8	2896.1	2921.9	2900.2	2867.5	2890.6	2913.6	2897.0	2857.0	2835.8
42.5°	3019.0	3029.1	3078.8	3101.8	3066.8	3020.8	3052.1	3083.4	3066.8	3028.2	3009.8
45°	3199.4	3215.0	3274.4	3297.4	3246.8	3188.4	3226.6	3281.3	3279.9	3224.3	3204.9
47.5°	3395.9	3411.6	3482.5	3512.8	3458.1	3379.8	3433.7	3511.0	3505.5	3444.3	3428.6
50°	3622.9	3639.4	3727.8	3766.0	3714.9	3623.8	3704.8	3772.9	3762.8	3687.3	3688.7
52.5°	3907.8	3906.8	4016.9	4083.1	4030.7	3950.1	4024.7	4091.0	4049.1	3944.6	3941.4
55°	4157.2	4172.4	4308.7	4434.3	4431.1	4400.3	4430.2	4432.9	4313.3	4174.3	4157.2
57.5°	4321.1	4350.1	4542.0	4769.4	4939.7	4980.7	4922.7	4746.9	4466.5	4244.2	4217.1
60°	4220.3	4264.5	4566.0	5029.5	5531.2	5771.9	5444.6	4899.2	4347.3	4037.6	4000.7
62.5°	3540.0	3614.6	4056.0	4903.8	6040.2	6744.0	5823.0	4654.8	3873.2	3446.6	3383.5
65°	2155.9	2234.7	2766.7	4036.2	5957.9	7513.6	5650.4	3863.6	2827.0	2296.3	2228.2
67.5°	718.5	741.5	1055.0	2231.0	4682.4	6750.9	4690.2	2312.9	1230.3	815.6	791.7
70°	281.2	283.5	334.6	646.7	2211.2	4636.9	2439.9	658.2	349.8	276.6	282.6
72.5°	206.7	207.6	221.9	270.2	576.3	2042.7	597.0	271.6	215.9	193.8	193.8
75°	166.2	166.2	176.3	197.0	258.2	468.6	261.9	194.7	168.9	154.7	152.8
77.5°	131.2	133.9	141.8	155.1	174.9	225.5	181.3	154.2	136.2	122.9	120.1
80°	97.6	100.3	113.2	119.7	125.7	156.5	133.9	120.6	107.7	92.1	89.3
82.5°	64.0	66.7	82.9	86.5	85.2	102.2	90.2	88.8	79.2	59.4	56.6
85°	41.9	42.8	55.2	57.5	52.9	46.5	57.5	60.8	55.2	38.7	37.3
87.5°	19.8	19.8	28.1	26.2	23.9	19.3	26.2	30.8	31.3	18.9	18.4
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)