

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: P1461271

Luminaire Tested: USSL-110-8540-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461271
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-8540-U-5WQ
Description: USSL DISCRETE LED 1 SQUARE 110W 85CRI 4000k FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15350.9 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

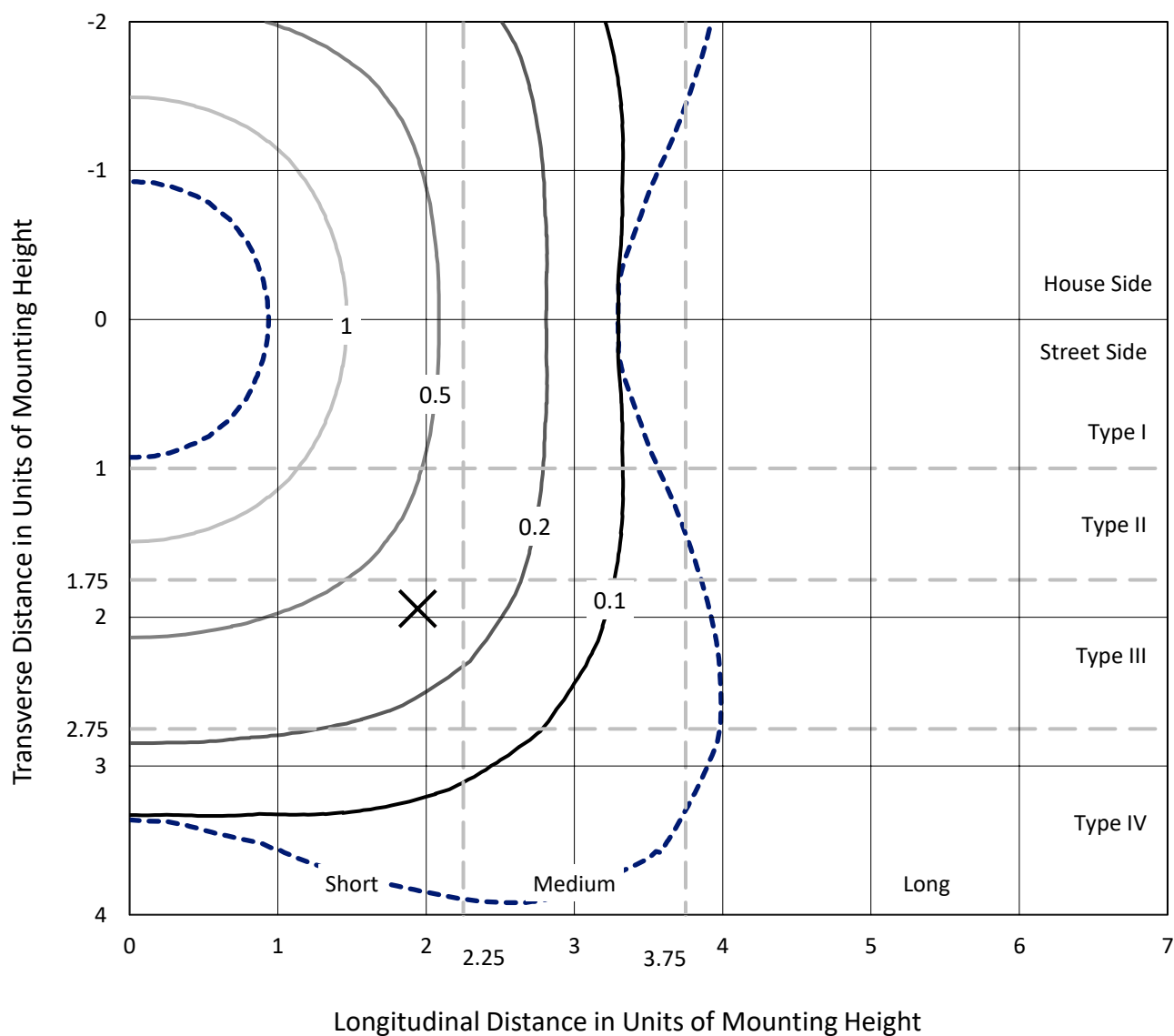
Input Watts (W): 111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.87%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

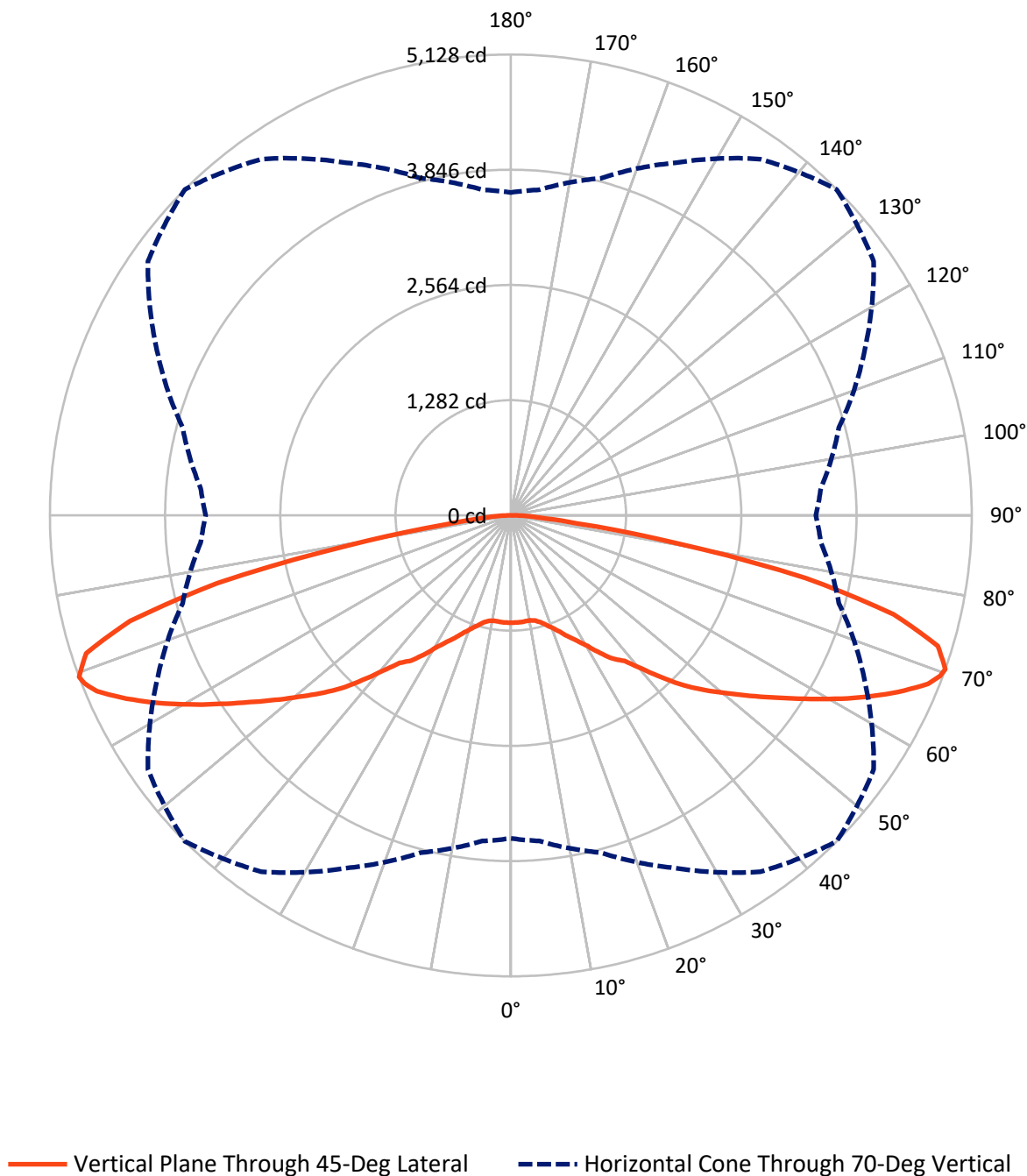


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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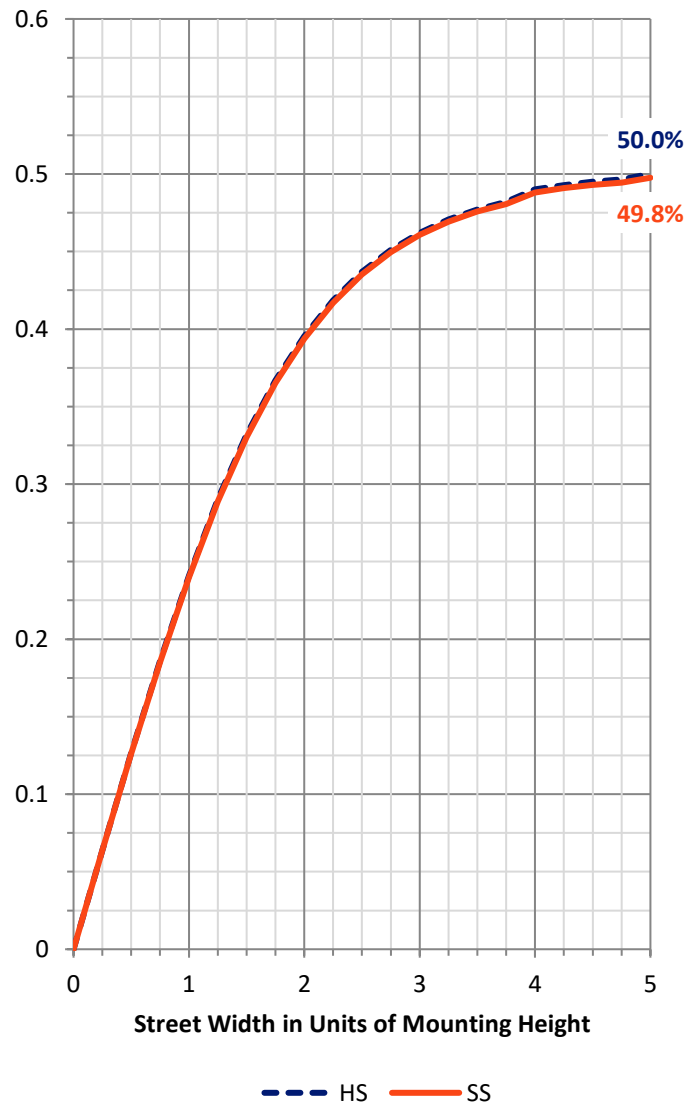
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7675.5	0.0	7675.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7675.5	0.0	7675.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15350.9	0.0	15350.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	0.7
10°-20°	353.4	2.3
20°-30°	688.3	4.5
30°-40°	1220.7	8.0
40°-50°	2106.2	13.7
50°-60°	3180.4	20.7
60°-70°	4234.7	27.6
70°-80°	3071.5	20.0
80°-90°	382.7	2.5
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°	15350.9	100.0
0°-180°	15350.9	100.0

Coefficient of Utilization



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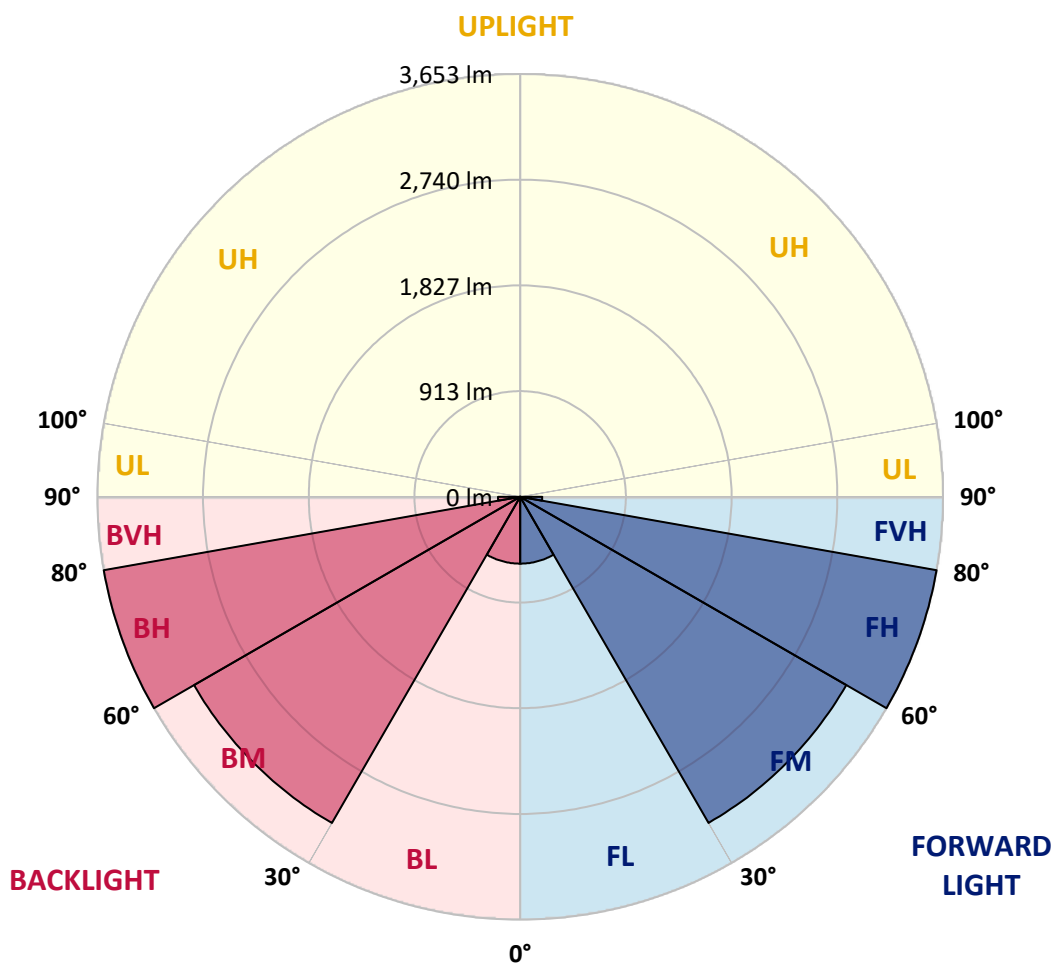
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	577.4	3.8			
FM	(30°-60°)	3253.7	21.2			
FH	(60°-80°)	3653.1	23.8			G2/5000
FVH	(80°-90°)	191.3	1.2			G2/225
BL	(0°-30°)	577.4	3.8	B2/1000		
BM	(30°-60°)	3253.7	21.2	B3/5000		
BH	(60°-80°)	3653.1	23.8	B4/5000		G2/5000
BVH	(80°-90°)	191.3	1.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5	1193.5
2.5°	1194.1	1194.1	1194.1	1194.1	1193.5	1192.8	1192.1	1192.1	1192.1	1191.4	1191.4
5°	1196.9	1196.2	1196.2	1195.5	1195.5	1192.8	1190.0	1187.9	1185.8	1183.7	1184.4
7.5°	1185.8	1187.2	1186.5	1187.9	1189.3	1187.9	1182.3	1176.0	1170.5	1165.6	1165.6
10°	1187.2	1186.5	1185.8	1186.5	1187.9	1187.2	1181.6	1173.2	1165.6	1160.0	1159.3
12.5°	1206.7	1206.7	1203.2	1200.4	1201.8	1200.4	1196.2	1186.5	1180.2	1174.6	1175.3
15°	1245.0	1243.6	1238.7	1234.6	1232.5	1231.8	1229.0	1222.0	1214.4	1208.1	1210.2
17.5°	1291.7	1291.7	1281.9	1279.8	1277.8	1283.3	1277.1	1267.3	1261.0	1257.5	1257.5
20°	1348.1	1349.5	1341.2	1337.0	1337.7	1338.4	1335.6	1325.1	1317.5	1314.0	1315.4
22.5°	1411.5	1408.7	1406.6	1404.6	1408.7	1409.4	1403.9	1391.3	1386.4	1379.5	1381.6
25°	1467.3	1467.3	1468.0	1479.1	1486.1	1496.5	1488.2	1468.6	1450.5	1443.6	1442.9
27.5°	1527.9	1526.5	1534.8	1550.9	1573.2	1582.9	1572.5	1548.1	1527.2	1516.7	1511.8
30°	1627.5	1626.8	1628.2	1648.4	1672.8	1687.4	1675.6	1655.4	1636.6	1626.8	1631.0
32.5°	1775.2	1766.8	1779.4	1800.3	1819.8	1826.1	1827.4	1804.5	1780.8	1772.4	1775.9
35°	1858.1	1856.0	1869.9	1895.0	1929.9	1958.4	1936.1	1915.9	1904.8	1892.9	1890.2
37.5°	2046.9	2046.2	2057.4	2055.3	2060.8	2054.6	2065.0	2073.4	2083.8	2074.8	2076.9
40°	2276.1	2270.6	2268.5	2264.3	2249.0	2239.2	2258.7	2273.3	2285.9	2303.3	2294.9
42.5°	2516.5	2507.4	2500.5	2487.9	2471.9	2464.9	2467.7	2494.2	2505.3	2507.4	2508.1
45°	2790.3	2773.6	2744.3	2722.0	2699.7	2697.6	2696.2	2701.8	2702.5	2702.5	2713.7
47.5°	3030.7	3028.6	2986.8	2948.4	2903.9	2903.9	2888.5	2886.4	2895.5	2907.3	2901.1
50°	3234.8	3227.8	3190.9	3158.2	3134.5	3105.9	3083.6	3066.2	3078.7	3089.2	3094.8
52.5°	3399.9	3399.2	3374.1	3361.6	3352.5	3335.1	3283.6	3252.2	3255.0	3267.5	3264.1
55°	3545.5	3555.3	3556.7	3572.7	3589.4	3576.9	3527.4	3480.0	3455.6	3437.5	3436.8
57.5°	3712.0	3718.3	3737.8	3789.4	3837.4	3848.6	3798.4	3728.1	3660.5	3615.9	3599.2
60°	3885.5	3886.9	3937.8	4019.3	4107.1	4144.0	4099.4	3983.7	3861.1	3764.3	3746.9
62.5°	4041.6	4038.1	4114.7	4238.0	4385.7	4445.7	4386.4	4217.1	4005.3	3870.2	3847.2
65°	4109.1	4118.2	4219.2	4408.7	4617.7	4734.8	4658.2	4376.7	4068.7	3886.2	3858.3
67.5°	3986.5	4012.3	4173.9	4471.4	4798.9	5004.4	4869.9	4442.2	4015.8	3778.9	3742.0
69°	3811.0	3817.2	4026.9	4416.4	4847.7	5098.5	4928.5	4408.0	3909.2	3608.2	3569.2
70°	3592.2	3636.1	3884.1	4327.9	4839.3	5127.7	4927.8	4343.2	3779.6	3462.6	3393.6
72.5°	2916.4	2932.4	3285.0	3964.2	4634.5	4968.2	4692.3	3985.1	3282.9	2811.2	2793.1
75°	1953.6	2030.9	2455.2	3275.9	4047.8	4396.2	4051.3	3271.7	2461.4	1872.7	1790.5
77.5°	1013.0	1056.9	1433.8	2134.7	2942.9	3353.9	3020.9	2289.4	1516.0	915.5	868.8
80°	498.1	521.8	662.6	984.4	1524.4	1848.4	1693.0	1203.2	709.9	453.6	426.4
82.5°	280.1	289.1	367.9	458.4	635.4	739.9	692.5	586.6	356.7	268.9	261.3
85°	145.6	153.3	229.2	282.9	316.3	319.8	319.1	314.9	225.0	164.4	156.8
87.5°	69.0	75.9	117.7	155.4	163.7	158.2	167.9	145.6	106.6	74.5	65.5
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)