

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: P286988

Luminaire Tested: **USSL-C029-D-U-T5-BZ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C029-D-U-T5-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17932 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 131
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

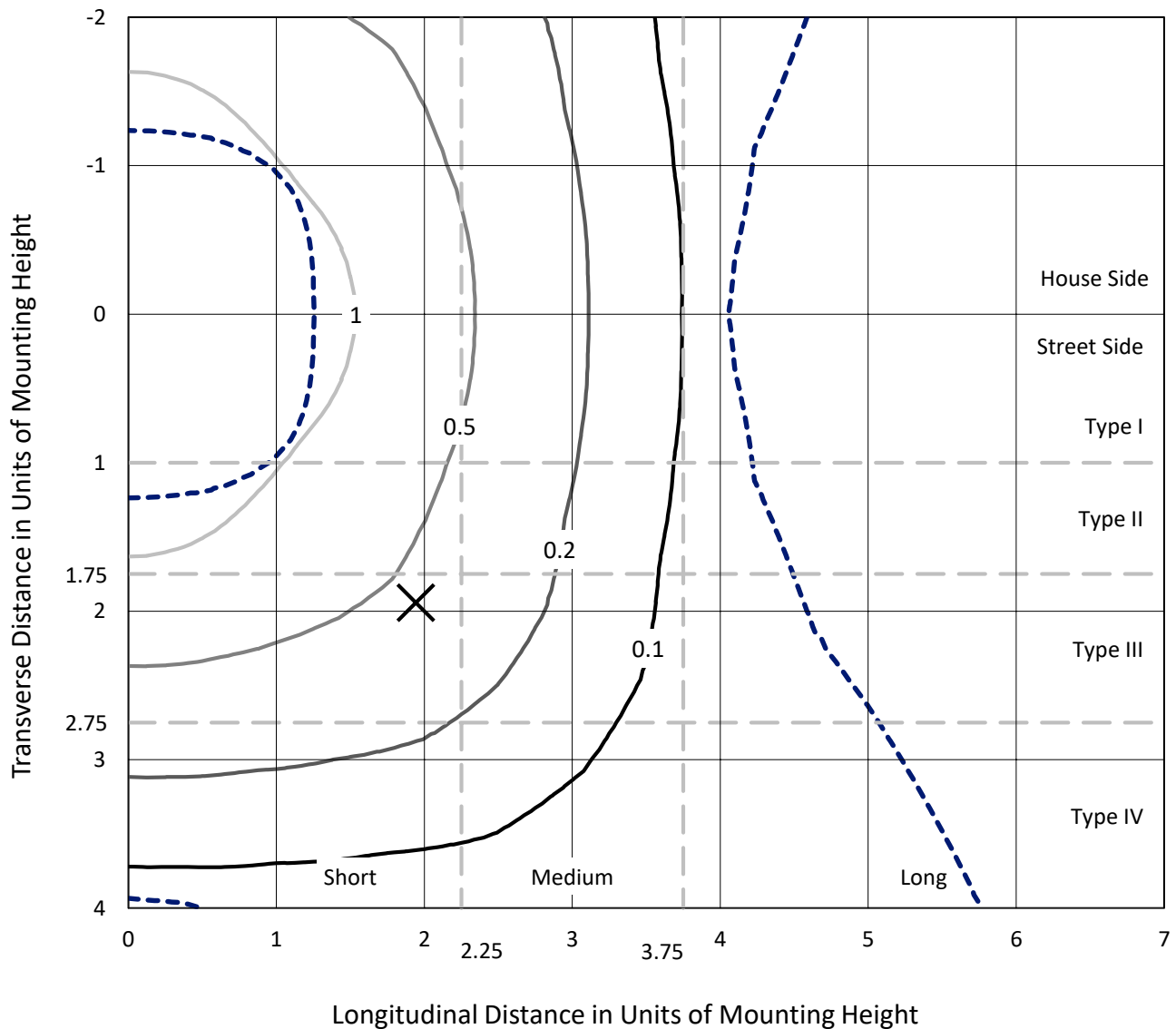


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

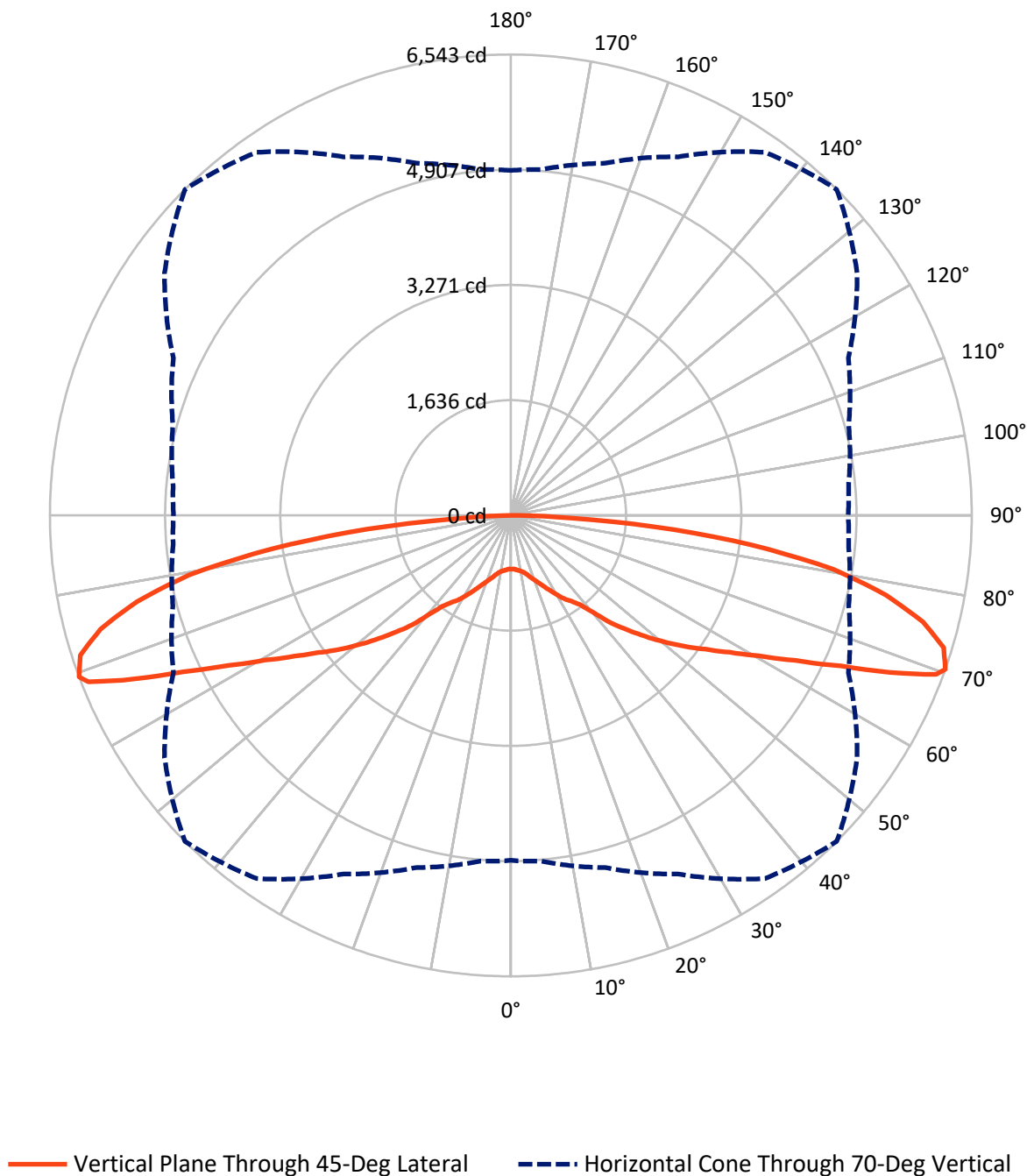


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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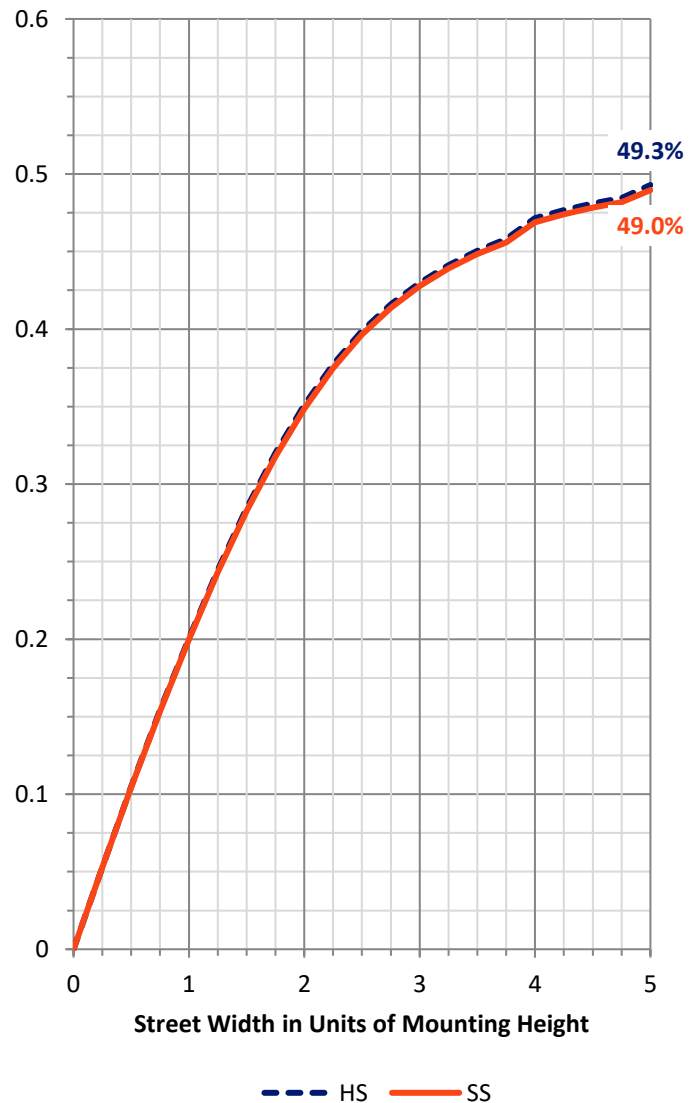
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8966.0	0.0	8966.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8966.0	0.0	8966.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17932.0	0.0	17932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	0.4
10°-20°	250.1	1.4
20°-30°	517.4	2.9
30°-40°	947.9	5.3
40°-50°	1877.2	10.5
50°-60°	3216.7	17.9
60°-70°	5064.7	28.2
70°-80°	4733.2	26.4
80°-90°	1249.8	7.0
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°	17932.0	100.0
0°-180°	17932.0	100.0

Coefficient of Utilization



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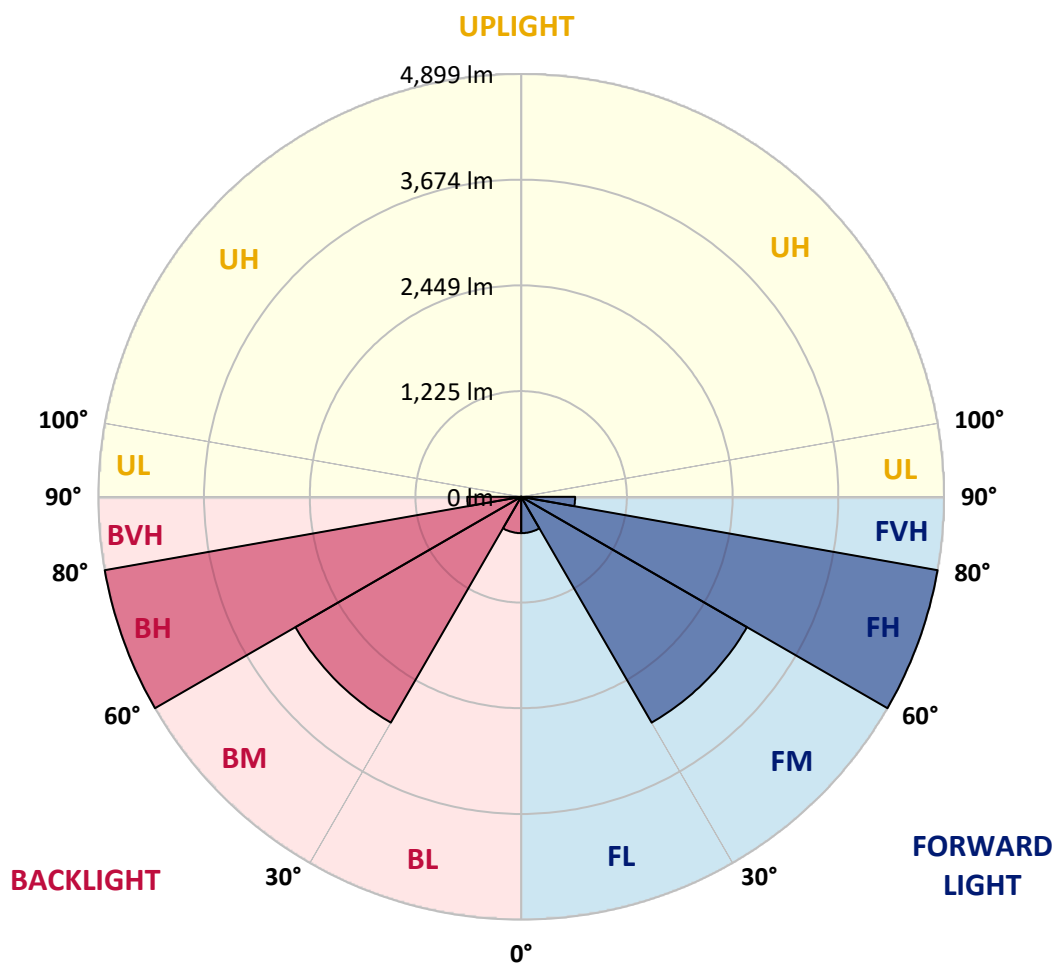
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.3	2.3			
FM	(30°-60°)	3020.9	16.8			
FH	(60°-80°)	4898.9	27.3			G2/5000
FVH	(80°-90°)	624.9	3.5			G4/750
BL	(0°-30°)	421.3	2.3	B1/500		
BM	(30°-60°)	3020.9	16.8	B3/5000		
BH	(60°-80°)	4898.9	27.3	B4/5000		G2/5000
BVH	(80°-90°)	624.9	3.5			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8	762.8
2.5°	773.5	774.3	772.7	764.5	763.6	761.2	760.3	763.6	763.6	763.6	762.0
5°	787.5	785.0	780.1	776.8	775.1	773.5	771.0	776.0	777.6	780.1	773.5
7.5°	796.5	796.5	795.7	790.0	792.4	787.5	783.4	787.5	790.8	789.1	788.3
10°	814.6	816.3	813.0	807.2	812.2	803.1	797.4	800.7	799.8	799.0	800.7
12.5°	839.3	841.0	836.9	831.9	838.5	830.3	824.5	823.7	822.1	821.2	818.8
15°	873.1	873.9	870.6	866.5	876.4	871.4	868.1	857.4	857.4	855.0	855.8
17.5°	913.4	917.5	915.0	915.0	930.7	927.4	913.4	901.0	905.2	899.4	899.4
20°	966.1	964.4	966.9	971.0	989.1	984.2	969.3	952.1	957.0	951.2	950.4
22.5°	1026.9	1027.8	1029.4	1032.7	1059.0	1050.0	1034.4	1020.4	1019.5	1016.3	1017.1
25°	1098.5	1097.7	1092.8	1105.1	1134.7	1125.7	1106.8	1096.9	1098.5	1098.5	1099.4
27.5°	1171.0	1165.2	1163.5	1164.4	1222.0	1217.0	1187.4	1169.3	1172.6	1179.2	1181.7
30°	1243.4	1241.7	1237.6	1232.7	1298.5	1315.8	1263.1	1252.4	1256.5	1267.2	1269.7
32.5°	1341.3	1337.2	1333.1	1320.7	1362.7	1417.0	1349.5	1352.0	1363.5	1380.0	1382.4
35°	1449.9	1450.7	1439.2	1428.5	1452.4	1499.3	1466.4	1469.7	1495.2	1517.4	1523.1
37.5°	1582.4	1584.9	1565.9	1543.7	1565.1	1614.5	1592.3	1626.8	1691.0	1727.2	1742.0
40°	1805.4	1799.6	1771.7	1729.7	1749.4	1816.1	1840.0	1884.4	1973.3	2023.5	2042.4
42.5°	2116.4	2105.7	2068.7	2024.3	2030.0	2087.6	2122.2	2208.6	2304.1	2355.9	2365.8
45°	2413.5	2408.6	2367.4	2287.6	2263.7	2314.8	2358.4	2466.2	2569.8	2624.2	2646.4
47.5°	2747.6	2743.5	2685.9	2583.0	2540.2	2563.3	2592.9	2717.1	2807.7	2866.9	2880.1
50°	3105.5	3095.7	3033.9	2908.0	2828.2	2820.0	2853.7	2959.9	3064.4	3116.2	3112.1
52.5°	3469.2	3465.1	3400.9	3246.2	3141.7	3088.3	3102.2	3192.8	3294.0	3359.8	3363.9
55°	3845.3	3848.6	3776.2	3590.2	3447.9	3353.2	3345.0	3449.5	3550.7	3606.7	3622.3
57.5°	4234.5	4235.3	4144.0	3972.8	3791.0	3666.7	3623.1	3739.2	3834.6	3884.8	3913.6
60°	4597.4	4605.6	4529.9	4389.2	4215.6	4048.6	3977.8	4079.8	4178.6	4250.2	4251.0
62.5°	5011.3	5005.6	4935.6	4821.2	4711.8	4530.8	4399.1	4506.9	4608.1	4672.3	4702.7
65°	5407.9	5417.8	5401.4	5355.3	5291.9	5153.7	4983.3	5130.6	5198.1	5194.8	5224.4
67.5°	5298.5	5343.8	5452.4	5685.3	5925.5	5983.1	5713.2	5392.3	5248.3	5157.8	5128.2
69°	5085.4	5135.6	5328.1	5674.6	6188.0	6444.8	5932.9	5328.9	5106.8	4980.9	4954.5
70°	4896.1	4926.6	5175.1	5616.1	6291.7	6542.7	5999.6	5285.3	4965.2	4812.2	4788.3
72.5°	4315.2	4376.1	4651.7	5305.9	6220.9	6424.2	5974.9	4997.3	4562.8	4316.0	4289.7
75°	3558.1	3619.8	3998.4	4737.3	5824.3	6042.4	5598.0	4480.6	3920.2	3681.5	3632.2
77.5°	2535.3	2580.5	3020.8	3907.0	5151.2	5447.4	4967.7	3752.3	3149.1	2884.2	2820.8
80°	1484.5	1502.6	1937.9	2783.0	4107.8	4646.8	4100.4	2911.3	2250.6	1959.3	1918.1
82.5°	558.7	698.6	1030.2	1720.6	2803.5	3447.0	3023.2	1987.2	1343.8	1042.6	1004.7
85°	170.3	232.9	440.2	852.5	1542.1	2044.8	1902.5	1102.7	557.9	318.5	278.1
87.5°	29.6	37.9	101.2	274.0	569.4	575.2	446.0	202.4	40.3	14.8	14.0
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)