

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: P286992

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286992
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
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19358 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - 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



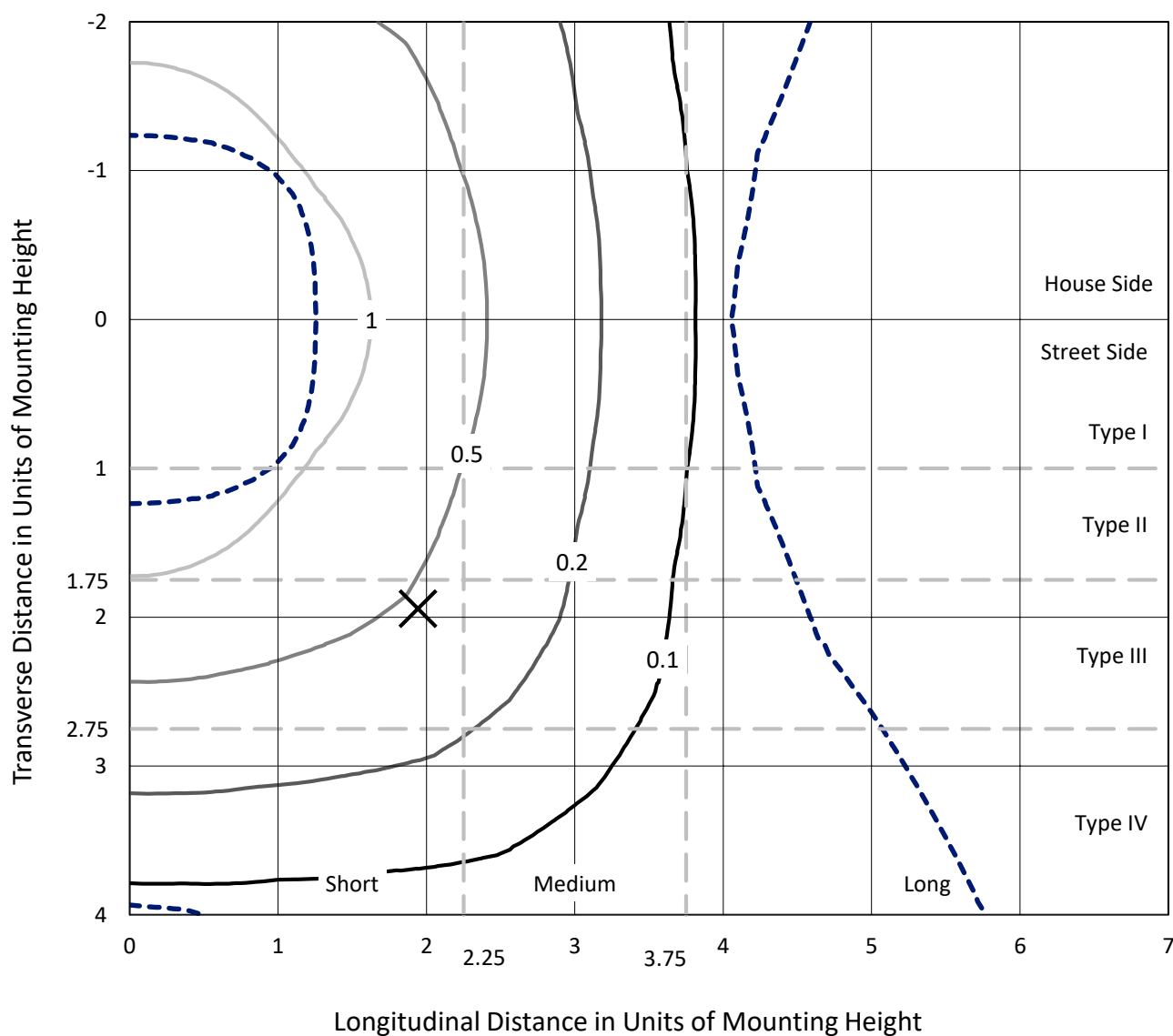
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

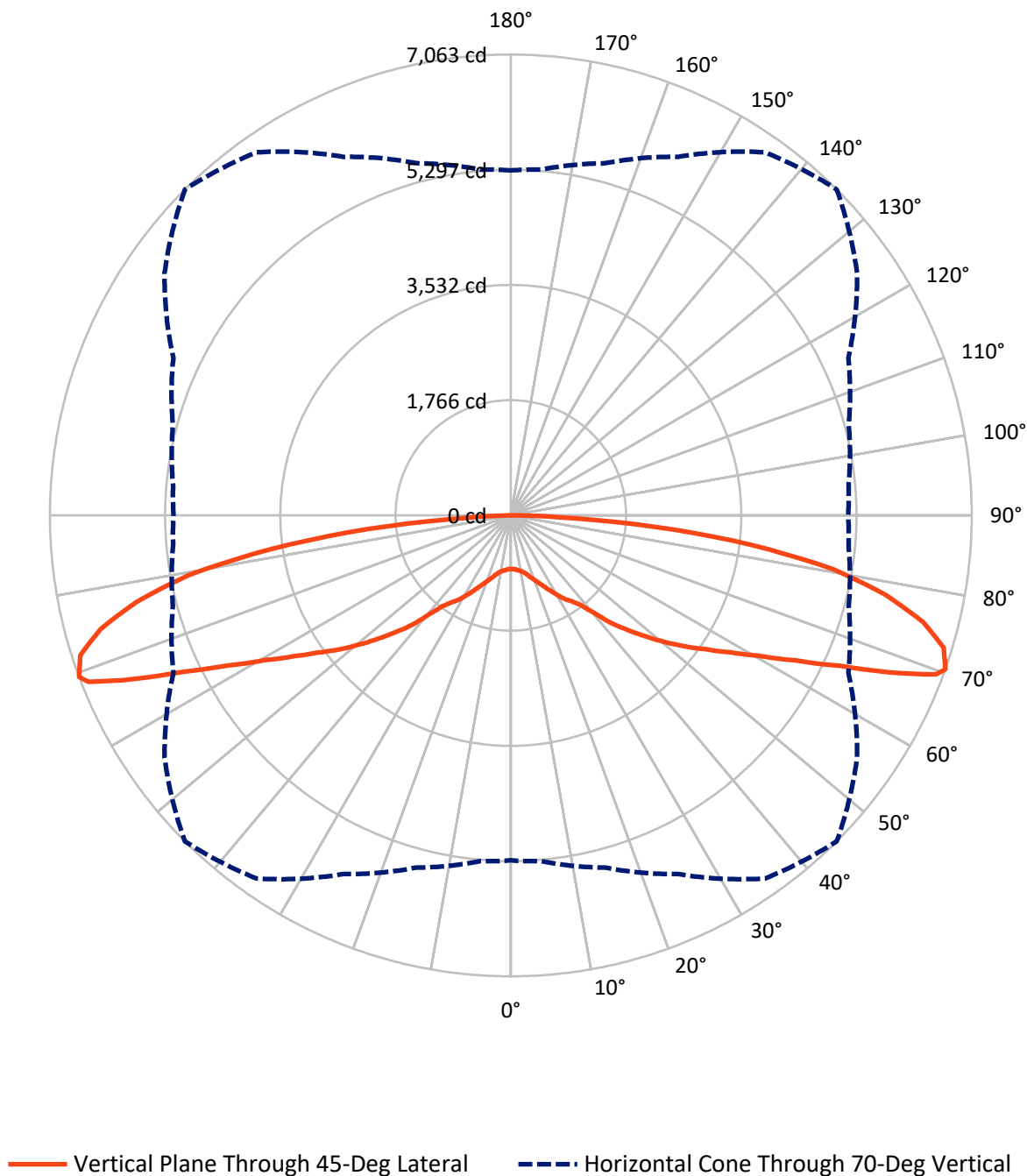


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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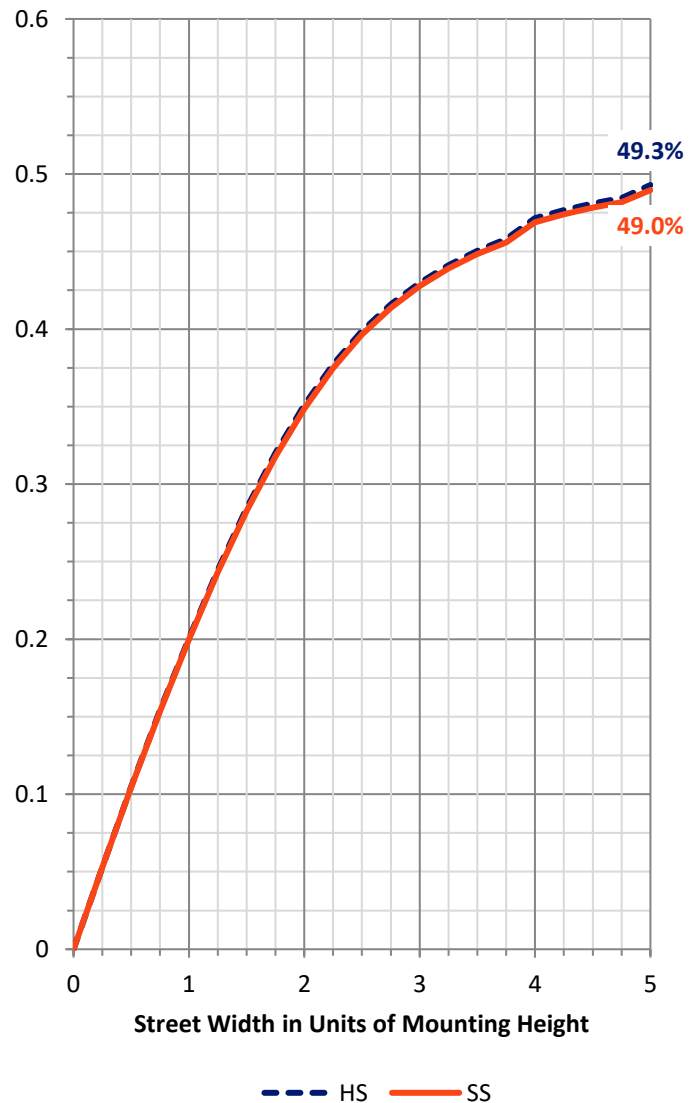
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9679.0	0.0	9679.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9679.0	0.0	9679.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19358.0	0.0	19358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	0.4
10°-20°	270.0	1.4
20°-30°	558.5	2.9
30°-40°	1023.2	5.3
40°-50°	2026.5	10.5
50°-60°	3472.6	17.9
60°-70°	5467.4	28.2
70°-80°	5109.6	26.4
80°-90°	1349.2	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°	19358.0	100.0
0°-180°	19358.0	100.0

Coefficient of Utilization



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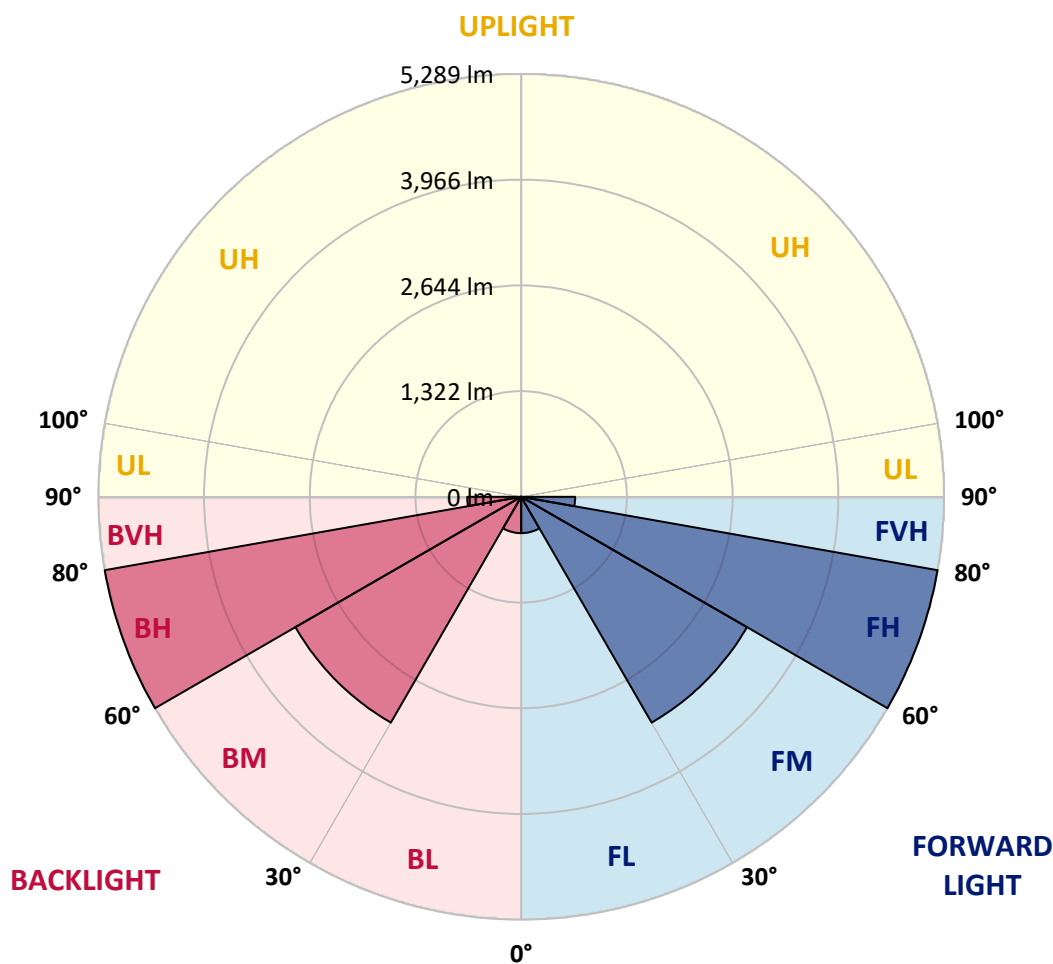
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.8	2.3			
FM	(30°-60°)	3261.1	16.8			
FH	(60°-80°)	5288.5	27.3			G3/7500
FVH	(80°-90°)	674.6	3.5			G4/750
BL	(0°-30°)	454.8	2.3	B1/500		
BM	(30°-60°)	3261.1	16.8	B3/5000		
BH	(60°-80°)	5288.5	27.3	B5		G3/7500
BVH	(80°-90°)	674.6	3.5			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°	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4	823.4
2.5°	835.0	835.9	834.1	825.2	824.4	821.7	820.8	824.4	824.4	824.4	822.6
5°	850.1	847.5	842.1	838.6	836.8	835.0	832.3	837.6	839.4	842.1	835.0
7.5°	859.9	859.9	859.0	852.8	855.4	850.1	845.7	850.1	853.6	851.8	851.0
10°	879.4	881.2	877.7	871.4	876.7	867.0	860.7	864.3	863.4	862.5	864.3
12.5°	906.1	907.8	903.5	898.1	905.2	896.4	890.1	889.2	887.5	886.5	883.9
15°	942.5	943.4	939.8	935.4	946.1	940.8	937.2	925.6	925.6	923.0	923.8
17.5°	986.0	990.5	987.8	987.8	1004.7	1001.2	986.0	972.7	977.1	971.0	971.0
20°	1042.8	1041.1	1043.8	1048.2	1067.7	1062.4	1046.4	1027.8	1033.1	1026.9	1026.0
22.5°	1108.7	1109.5	1111.3	1114.8	1143.2	1133.5	1116.6	1101.6	1100.6	1097.1	1098.0
25°	1185.9	1185.0	1179.7	1193.0	1225.0	1215.2	1194.8	1184.1	1185.9	1185.9	1186.8
27.5°	1264.0	1257.9	1256.1	1256.9	1319.2	1313.9	1281.8	1262.3	1265.8	1272.9	1275.6
30°	1342.3	1340.5	1336.0	1330.7	1401.7	1420.4	1363.6	1352.0	1356.5	1368.0	1370.7
32.5°	1447.9	1443.5	1439.0	1425.8	1471.0	1529.6	1456.8	1459.5	1472.0	1489.7	1492.3
35°	1565.3	1566.1	1553.7	1542.2	1567.9	1618.5	1583.0	1586.6	1614.0	1638.1	1644.2
37.5°	1708.2	1710.9	1690.4	1666.5	1689.6	1742.9	1718.8	1756.1	1825.5	1864.6	1880.6
40°	1948.9	1942.7	1912.6	1867.2	1888.5	1960.5	1986.3	2034.3	2130.2	2184.3	2204.8
42.5°	2284.7	2273.2	2233.2	2185.3	2191.4	2253.7	2291.0	2384.2	2487.3	2543.2	2553.9
45°	2605.4	2600.1	2555.6	2469.6	2443.7	2498.8	2545.9	2662.3	2774.2	2832.8	2856.9
47.5°	2966.1	2961.7	2899.5	2788.4	2742.3	2767.1	2799.1	2933.2	3030.9	3094.9	3109.1
50°	3352.5	3341.9	3275.2	3139.3	3053.1	3044.2	3080.7	3195.3	3308.1	3364.0	3359.6
52.5°	3745.2	3740.7	3671.4	3504.3	3391.6	3333.8	3349.0	3446.7	3556.0	3627.0	3631.4
55°	4151.1	4154.6	4076.5	3875.7	3722.1	3619.9	3611.0	3723.9	3833.1	3893.4	3910.4
57.5°	4571.2	4572.2	4473.5	4288.8	4092.5	3958.3	3911.2	4036.5	4139.5	4193.7	4224.9
60°	4963.0	4971.9	4890.2	4738.3	4550.8	4370.5	4294.1	4404.3	4510.8	4588.1	4589.0
62.5°	5409.8	5403.6	5328.1	5204.6	5086.5	4891.0	4748.9	4865.3	4974.5	5043.9	5076.7
65°	5838.0	5848.6	5830.9	5781.1	5712.8	5563.5	5379.6	5538.6	5611.5	5607.9	5639.9
67.5°	5719.9	5768.7	5885.9	6137.4	6396.7	6458.9	6167.6	5821.1	5665.7	5568.0	5536.0
69°	5489.8	5544.0	5751.9	6125.8	6680.1	6957.3	6404.8	5752.7	5512.9	5377.0	5348.6
70°	5285.5	5318.4	5586.6	6062.7	6792.1	7063.0	6476.7	5705.7	5360.1	5194.9	5169.1
72.5°	4658.4	4724.1	5021.6	5727.8	6715.6	6935.0	6450.0	5394.8	4925.7	4659.2	4630.8
75°	3841.1	3907.7	4316.3	5114.0	6287.5	6522.9	6043.2	4836.9	4232.0	3974.3	3921.0
77.5°	2736.9	2785.7	3261.0	4217.8	5560.9	5880.6	5362.8	4050.7	3399.6	3113.6	3045.1
80°	1602.6	1622.1	2092.0	3004.3	4434.5	5016.3	4426.5	3142.8	2429.5	2115.0	2070.6
82.5°	603.2	754.2	1112.2	1857.5	3026.4	3721.1	3263.6	2145.2	1450.6	1125.5	1084.6
85°	183.9	251.4	475.3	920.3	1664.7	2207.5	2053.8	1190.4	602.2	343.7	300.3
87.5°	32.0	40.9	109.3	295.8	614.7	620.9	481.5	218.6	43.6	16.0	15.1
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)