

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: P157584

Luminaire Tested: **VST-F06-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157584
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-5WQ-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14284.4 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
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



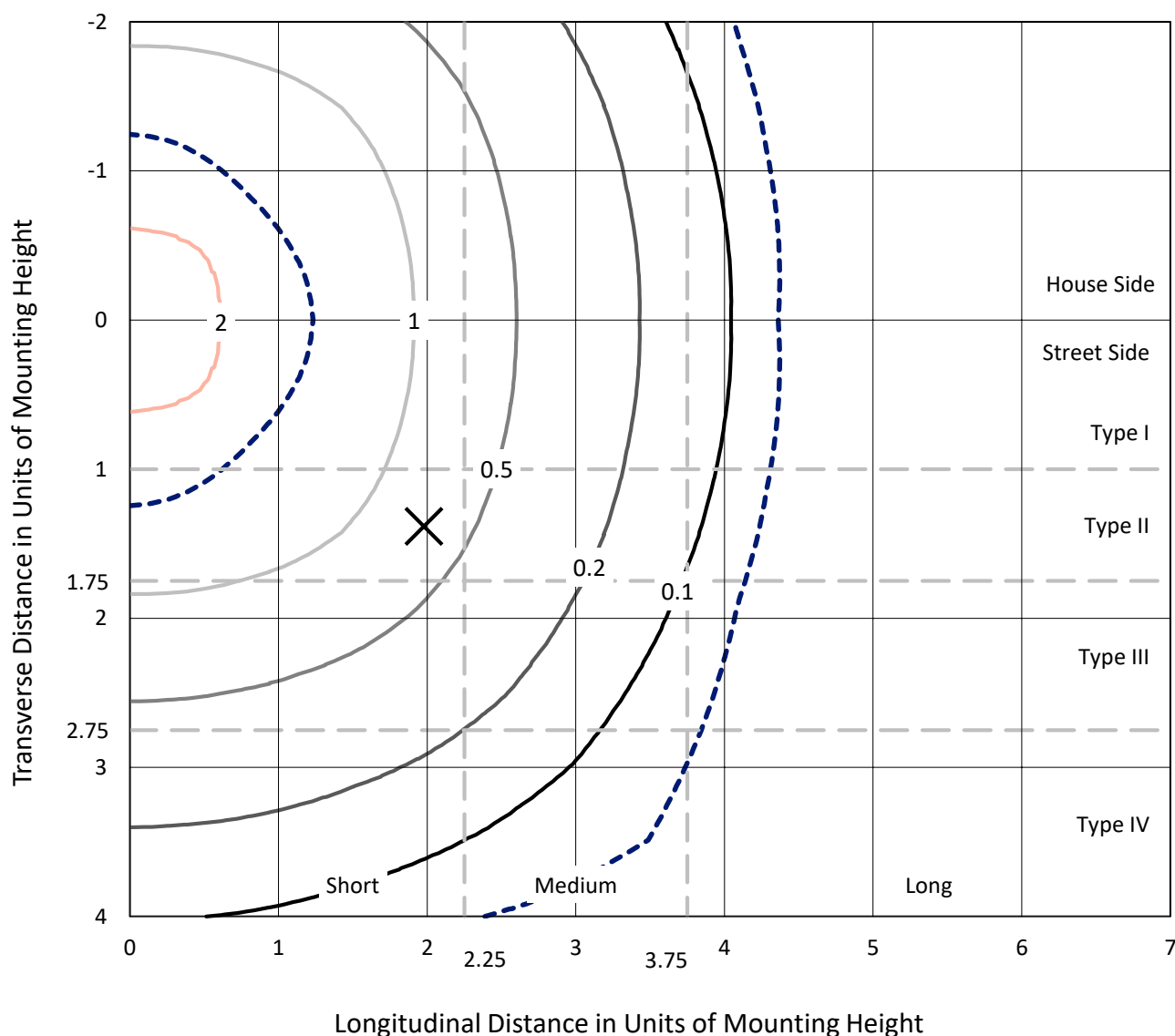
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

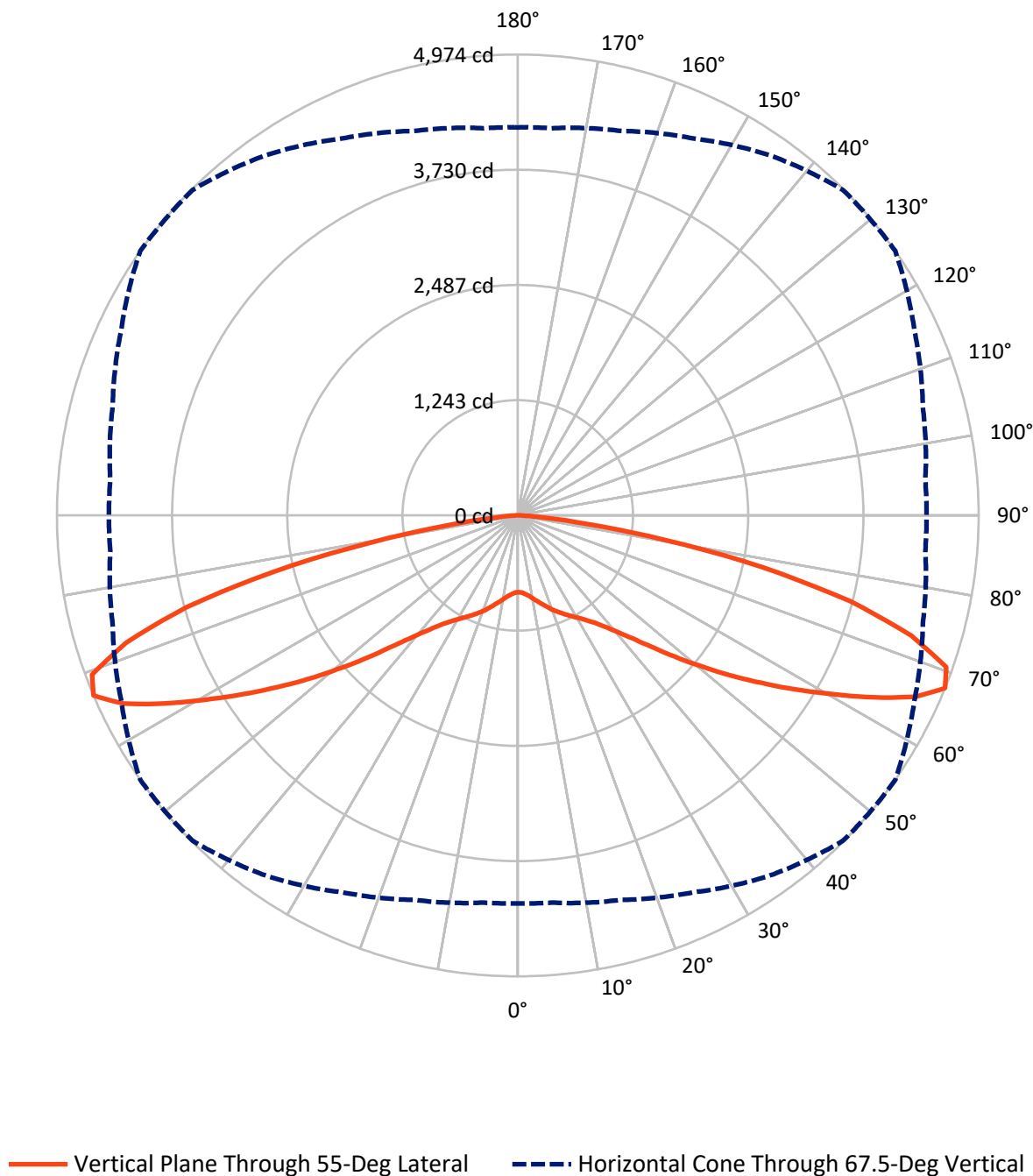


Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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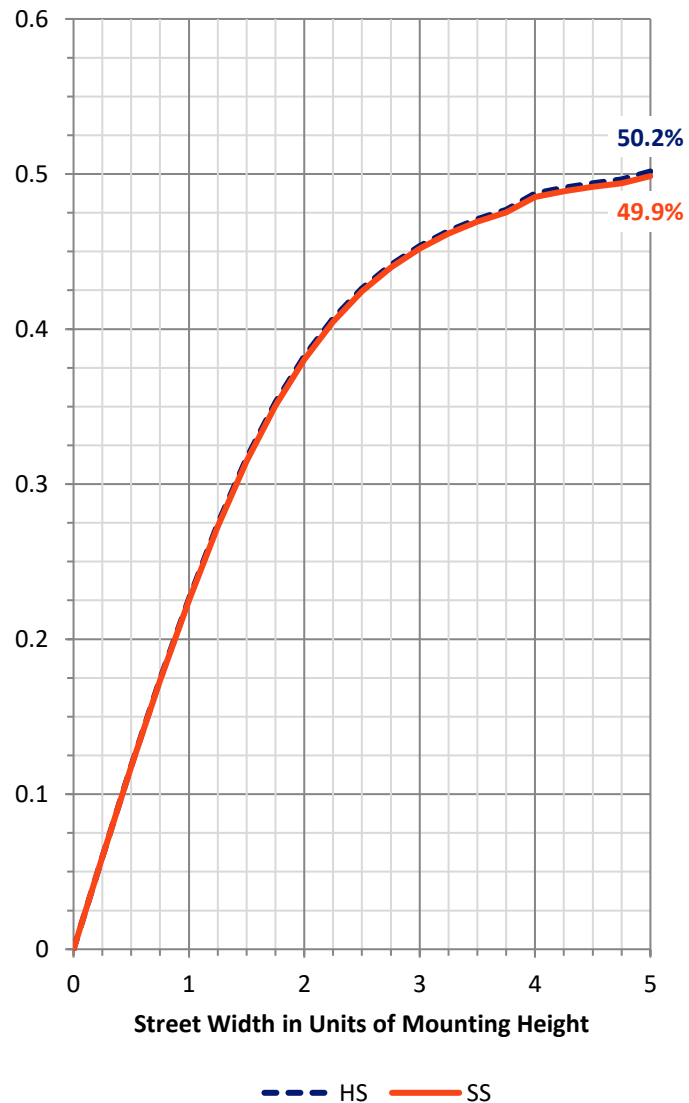
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7142.2	0.0	7142.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7142.2	0.0	7142.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14284.4	0.0	14284.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	0.6
10°-20°	284.2	2.0
20°-30°	546.5	3.8
30°-40°	895.2	6.3
40°-50°	1556.3	10.9
50°-60°	2777.9	19.4
60°-70°	4288.9	30.0
70°-80°	3471.9	24.3
80°-90°	380.3	2.7
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°	14284.4	100.0
0°-180°	14284.4	100.0

Coefficient of Utilization



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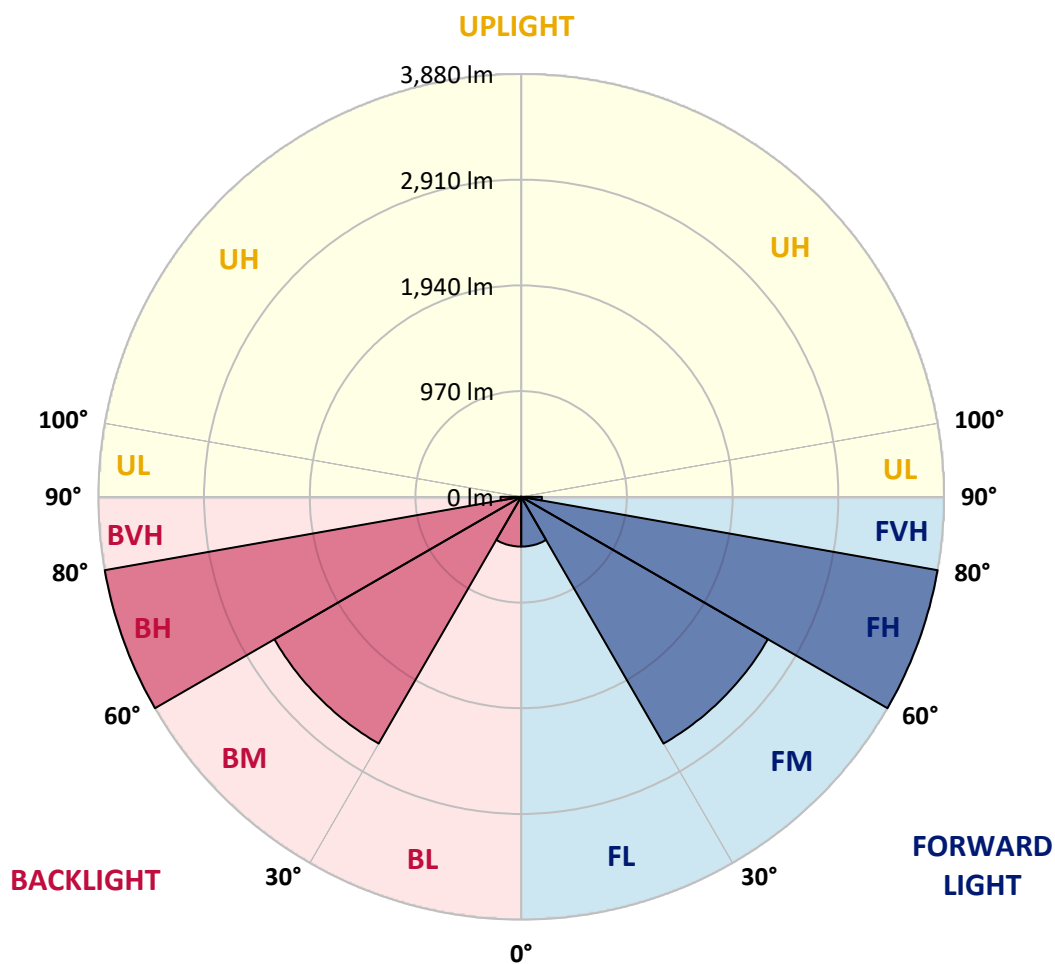
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	456.9	3.2			
FM	(30°-60°)	2614.7	18.3			
FH	(60°-80°)	3880.4	27.2			G2/5000
FVH	(80°-90°)	190.2	1.3			G2/225
BL	(0°-30°)	456.9	3.2	B1/500		
BM	(30°-60°)	2614.7	18.3	B3/5000		
BH	(60°-80°)	3880.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	190.2	1.3			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°	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8	828.8
2.5°	834.2	835.1	834.2	834.2	833.3	833.3	833.3	834.2	834.2	836.0	835.1
5°	851.4	852.3	850.5	852.3	852.3	853.2	852.3	851.4	852.3	853.2	850.5
7.5°	875.8	877.6	876.7	877.6	878.6	877.6	877.6	876.7	878.6	877.6	875.8
10°	907.5	909.3	908.4	910.2	911.1	912.0	912.0	910.2	909.3	909.3	908.4
12.5°	945.5	945.5	945.5	948.2	950.0	951.8	950.9	949.1	946.4	947.3	943.7
15°	987.1	988.9	988.9	989.8	994.4	995.3	994.4	991.7	990.7	988.9	987.1
17.5°	1033.3	1034.2	1035.1	1036.0	1041.4	1044.1	1040.5	1036.0	1036.0	1035.1	1035.1
20°	1081.2	1080.3	1082.1	1083.9	1087.6	1090.3	1089.4	1084.8	1081.2	1083.9	1083.0
22.5°	1125.6	1126.5	1127.4	1130.1	1136.4	1137.3	1134.6	1131.0	1126.5	1127.4	1127.4
25°	1167.2	1168.1	1169.9	1173.5	1180.8	1185.3	1181.7	1176.2	1169.9	1169.9	1170.8
27.5°	1209.7	1210.6	1211.5	1217.9	1226.9	1232.3	1229.6	1220.6	1213.3	1211.5	1208.8
30°	1256.8	1256.8	1258.6	1266.7	1278.5	1284.8	1281.2	1270.3	1259.5	1257.7	1257.7
32.5°	1316.5	1312.9	1315.6	1326.4	1339.1	1346.3	1343.6	1330.9	1317.4	1314.7	1314.7
35°	1388.0	1386.1	1388.0	1400.6	1416.0	1426.9	1420.5	1408.8	1394.3	1391.6	1389.8
37.5°	1473.0	1473.9	1479.3	1493.8	1514.6	1528.2	1521.9	1502.9	1485.7	1485.7	1485.7
40°	1580.7	1582.5	1593.3	1615.1	1644.9	1656.7	1649.4	1625.9	1606.0	1598.8	1600.6
42.5°	1727.2	1726.3	1743.5	1770.7	1806.0	1823.2	1811.4	1786.1	1757.1	1745.3	1746.2
45°	1900.1	1912.7	1930.8	1965.2	2009.5	2039.4	2018.6	1990.5	1947.1	1929.9	1929.0
47.5°	2109.1	2122.6	2145.3	2202.3	2255.6	2291.8	2275.6	2229.4	2167.0	2142.5	2133.5
50°	2347.0	2364.2	2393.2	2466.5	2542.5	2583.2	2554.2	2493.6	2426.7	2389.6	2380.5
52.5°	2614.8	2620.3	2663.7	2752.4	2846.5	2896.2	2863.7	2791.3	2705.3	2670.9	2645.6
55°	2911.6	2916.1	2965.9	3066.3	3173.1	3231.9	3190.3	3098.9	3019.3	2959.6	2965.0
57.5°	3186.7	3200.2	3273.5	3391.2	3516.9	3588.4	3543.2	3446.4	3363.1	3295.3	3303.4
60°	3480.7	3495.2	3572.1	3712.4	3882.5	3977.5	3918.7	3814.6	3728.6	3664.4	3656.3
62.5°	3792.9	3801.0	3885.2	4010.9	4228.1	4381.0	4324.9	4210.0	4109.6	4046.2	4039.9
65°	4081.5	4092.4	4163.9	4301.4	4524.9	4748.3	4716.7	4557.4	4421.7	4330.3	4317.7
67.5°	4186.5	4193.7	4294.1	4486.9	4743.8	4964.6	4973.6	4723.0	4525.8	4414.5	4411.8
70°	4063.4	4068.9	4197.3	4426.2	4753.8	4937.5	4904.9	4653.3	4410.9	4274.2	4260.7
72.5°	3787.5	3788.4	3906.0	4100.5	4429.0	4579.2	4440.7	4302.3	4051.7	3949.4	3922.3
75°	3285.3	3286.2	3367.6	3497.0	3731.4	3869.8	3712.4	3585.7	3438.2	3377.6	3345.9
77.5°	2259.3	2272.8	2357.0	2506.3	2763.2	2916.1	2709.9	2480.0	2390.5	2338.9	2308.1
80°	1087.6	1108.4	1205.2	1352.7	1621.4	1865.7	1611.4	1328.2	1153.6	1011.6	1036.9
82.5°	290.4	294.1	377.3	542.0	755.5	886.7	720.2	504.0	317.6	213.5	195.4
85°	76.9	81.4	114.0	156.5	238.0	303.1	231.6	147.5	112.2	83.2	76.0
87.5°	20.8	24.4	39.8	48.0	59.7	48.0	59.7	51.6	49.8	26.2	19.0
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)