

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: McGRAW-EDISON

Report Number: P400627

Luminaire Tested: **TT-D3-827-U-MQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D3-827-U-MQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5618 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 47.2
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



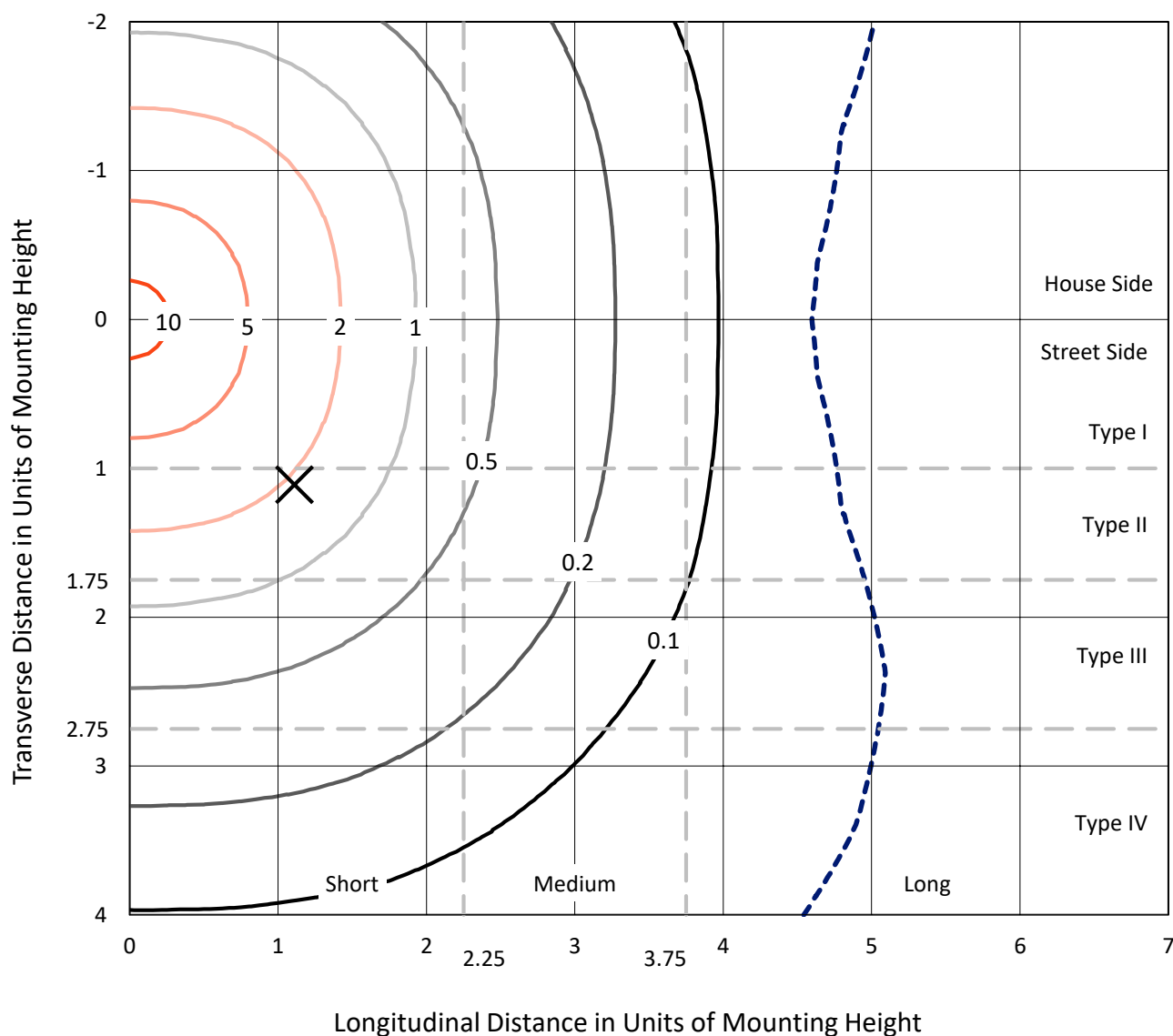
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

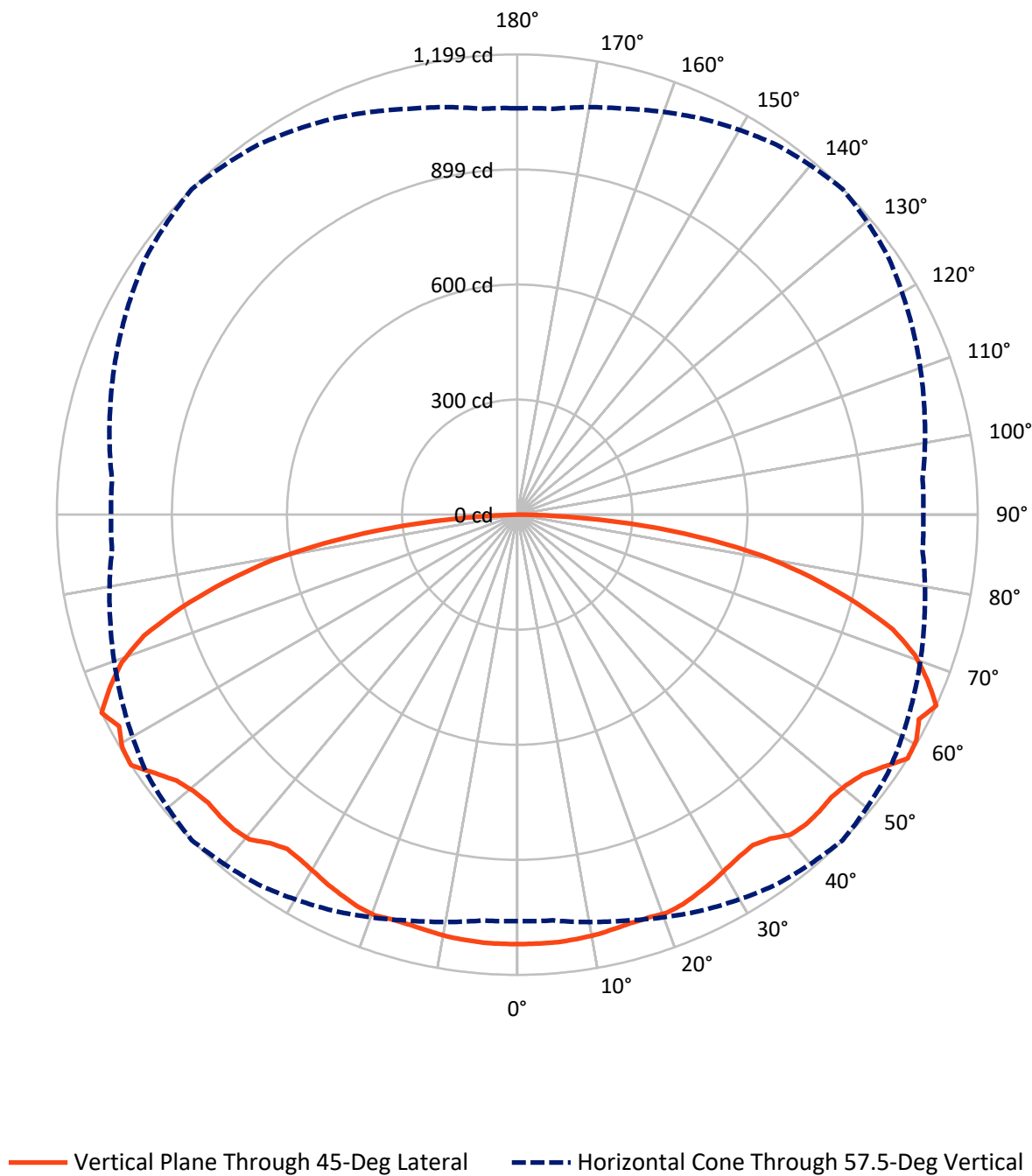


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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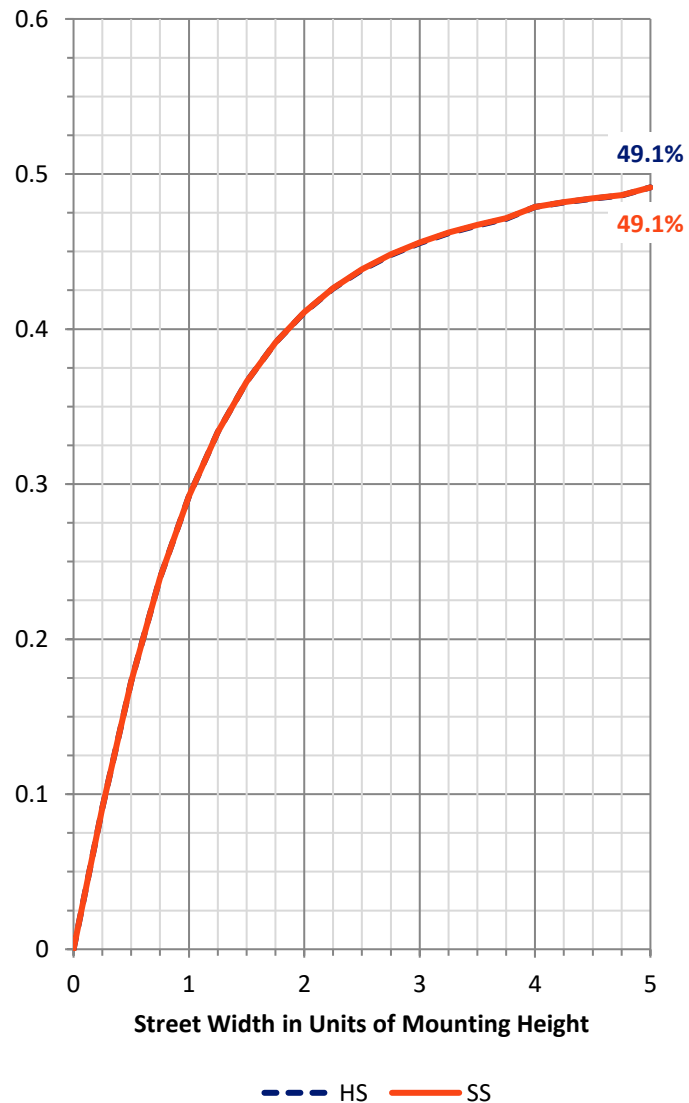
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2809.0	0.0	2809.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2809.0	0.0	2809.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5618.0	0.0	5618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	1.9
10°-20°	313.6	5.6
20°-30°	503.9	9.0
30°-40°	665.3	11.8
40°-50°	832.3	14.8
50°-60°	990.0	17.6
60°-70°	1073.8	19.1
70°-80°	854.7	15.2
80°-90°	277.8	4.9
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°	5618.0	100.0
0°-180°	5618.0	100.0

Coefficient of Utilization



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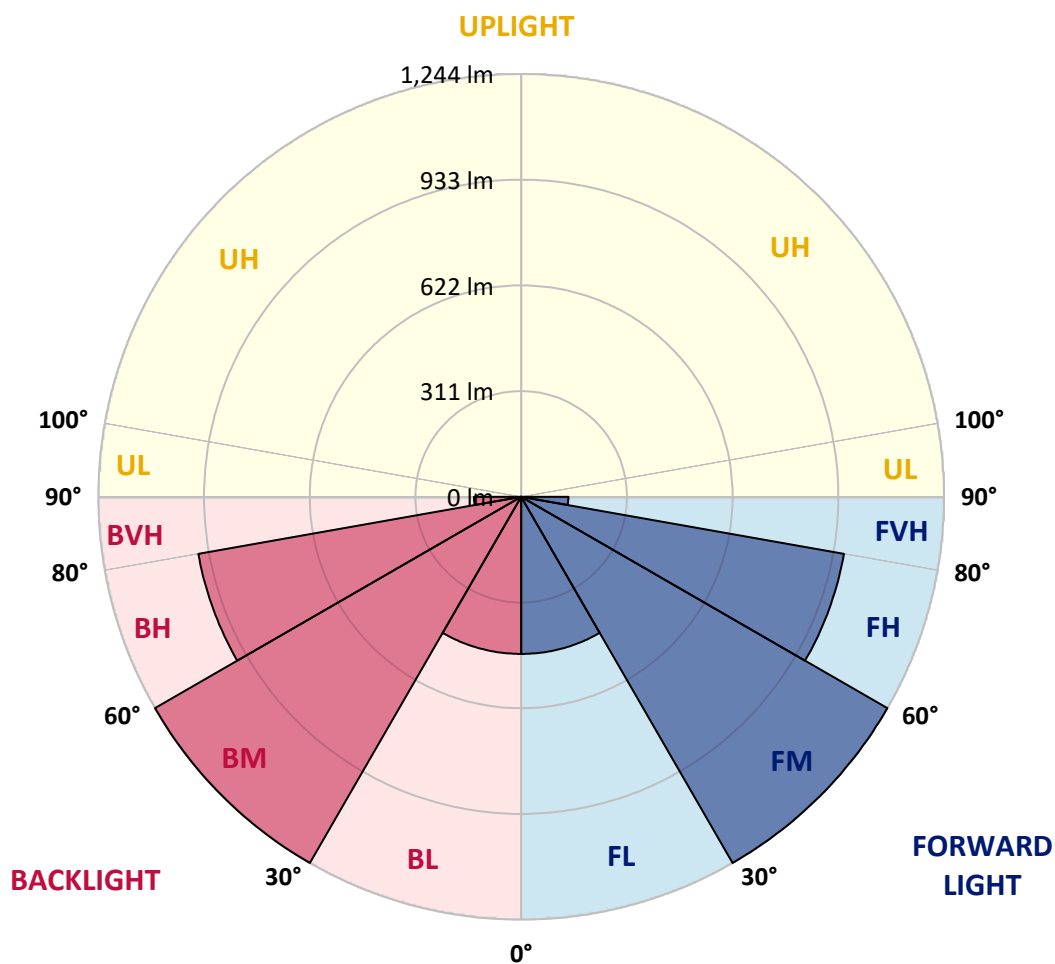
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	462.1	8.2			
FM	(30°-60°)	1243.8	22.1			
FH	(60°-80°)	964.2	17.2			G1/1800
FVH	(80°-90°)	138.9	2.5			G2/225
BL	(0°-30°)	462.1	8.2	B1/500		
BM	(30°-60°)	1243.8	22.1	B2/2500		
BH	(60°-80°)	964.2	17.2	B2/1000		G1/1800
BVH	(80°-90°)	138.9	2.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9
2.5°	1120.6	1119.8	1120.6	1119.8	1119.8	1118.9	1119.8	1119.8	1119.8	1119.8	1119.8
5°	1119.8	1118.9	1118.9	1119.8	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9
7.5°	1116.4	1116.4	1117.3	1116.4	1116.4	1116.4	1116.4	1116.4	1116.4	1117.3	1117.3
10°	1113.9	1113.1	1113.9	1113.9	1113.1	1113.9	1113.1	1113.9	1113.9	1113.9	1113.9
12.5°	1110.6	1109.7	1110.6	1110.6	1109.7	1108.9	1109.7	1109.7	1110.6	1110.6	1110.6
15°	1104.7	1104.7	1106.4	1105.6	1105.6	1104.7	1106.4	1105.6	1104.7	1105.6	1105.6
17.5°	1100.5	1100.5	1102.2	1103.9	1103.9	1103.9	1103.9	1103.1	1101.4	1102.2	1100.5
20°	1101.4	1102.2	1103.1	1105.6	1107.2	1108.1	1108.1	1105.6	1103.1	1103.9	1103.1
22.5°	1098.9	1098.0	1098.9	1100.5	1103.1	1103.1	1103.1	1099.7	1098.9	1098.0	1098.0
25°	1088.8	1088.8	1090.5	1092.2	1093.9	1093.0	1093.9	1092.2	1090.5	1088.8	1088.8
27.5°	1077.1	1077.1	1079.7	1081.3	1083.0	1083.0	1082.2	1080.5	1079.7	1078.0	1077.1
30°	1065.5	1065.5	1068.0	1069.6	1072.1	1071.3	1071.3	1068.8	1066.3	1064.6	1064.6
32.5°	1052.9	1052.1	1054.6	1058.8	1062.1	1062.1	1062.1	1057.1	1053.8	1052.1	1051.2
35°	1042.1	1042.1	1045.4	1052.9	1057.1	1057.1	1055.4	1052.1	1044.6	1042.1	1042.1
37.5°	1038.7	1041.2	1050.4	1061.3	1069.6	1071.3	1068.8	1059.6	1049.6	1042.1	1039.5
40°	1049.6	1052.1	1063.8	1081.3	1093.9	1096.4	1093.9	1080.5	1062.9	1051.2	1050.4
42.5°	1051.2	1052.9	1067.1	1087.2	1098.9	1103.1	1098.9	1085.5	1066.3	1052.1	1051.2
45°	1045.4	1046.2	1062.9	1083.8	1098.0	1103.1	1098.0	1082.2	1062.1	1046.2	1045.4
47.5°	1037.9	1039.5	1057.9	1079.7	1097.2	1100.5	1096.4	1078.8	1056.3	1040.4	1037.9
50°	1032.0	1037.0	1053.8	1078.0	1098.9	1108.9	1098.9	1075.5	1052.9	1035.4	1032.0
52.5°	1035.4	1037.0	1058.8	1093.0	1121.4	1125.6	1120.6	1093.0	1057.1	1037.0	1034.5
55°	1045.4	1052.9	1076.3	1125.6	1151.5	1159.0	1148.2	1123.9	1077.1	1052.9	1045.4
57.5°	1058.8	1061.3	1094.7	1138.2	1176.6	1199.2	1177.4	1137.3	1097.2	1059.6	1057.9
60°	1047.9	1040.4	1082.2	1133.1	1184.9	1194.1	1181.6	1134.0	1080.5	1039.5	1047.1
62.5°	1018.7	1023.7	1057.9	1128.1	1164.1	1174.1	1160.7	1128.1	1056.3	1027.8	1016.1
65°	995.3	1025.3	1062.9	1113.1	1170.7	1199.2	1171.6	1111.4	1064.6	1020.3	992.7
67.5°	962.7	968.5	1024.5	1086.3	1138.2	1152.4	1137.3	1087.2	1019.5	964.3	968.5
70°	907.5	899.2	956.0	1027.8	1077.1	1099.7	1078.8	1024.5	953.5	897.5	905.0
72.5°	816.4	821.4	874.1	950.1	1001.1	1022.8	1001.9	944.3	872.4	826.5	821.4
75°	721.2	727.0	778.0	847.3	899.2	908.3	902.5	843.2	779.7	726.2	721.2
77.5°	612.5	618.4	660.2	736.2	767.1	781.3	768.8	740.4	658.5	617.5	610.9
80°	492.2	490.5	527.3	592.5	630.9	646.8	630.9	594.1	525.6	493.9	483.0
82.5°	351.8	353.5	387.7	432.9	469.6	474.6	467.1	437.0	384.4	357.7	342.6
85°	195.5	203.1	228.1	261.6	285.8	294.1	281.6	253.2	227.3	206.4	199.7
87.5°	46.8	51.0	59.3	75.2	84.4	92.8	84.4	78.6	56.0	51.0	46.8
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)