

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: P197580

Luminaire Tested: **TT-C6-LED-E1-CQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-CQ-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12250.5 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 108
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: 25 FT

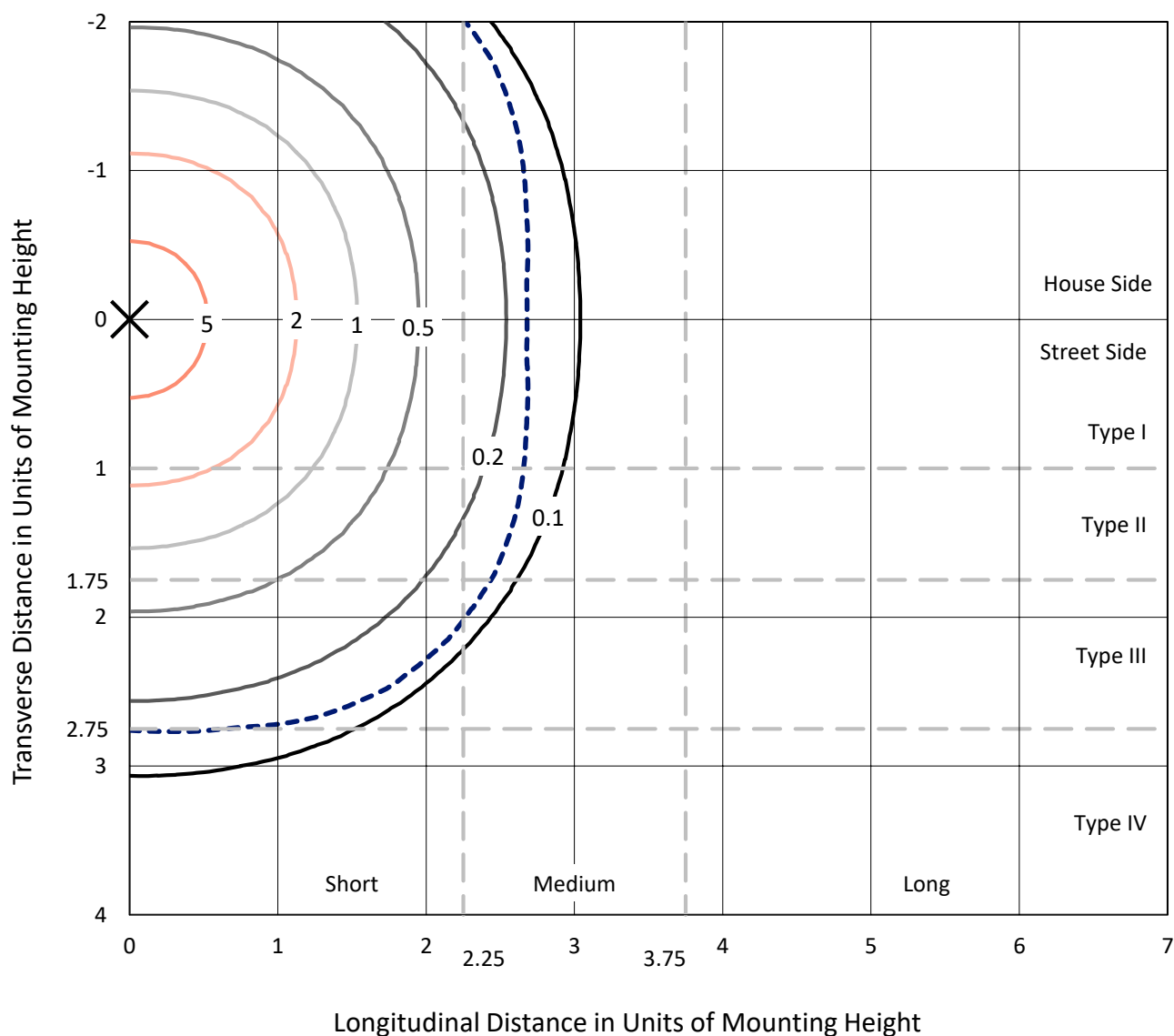


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

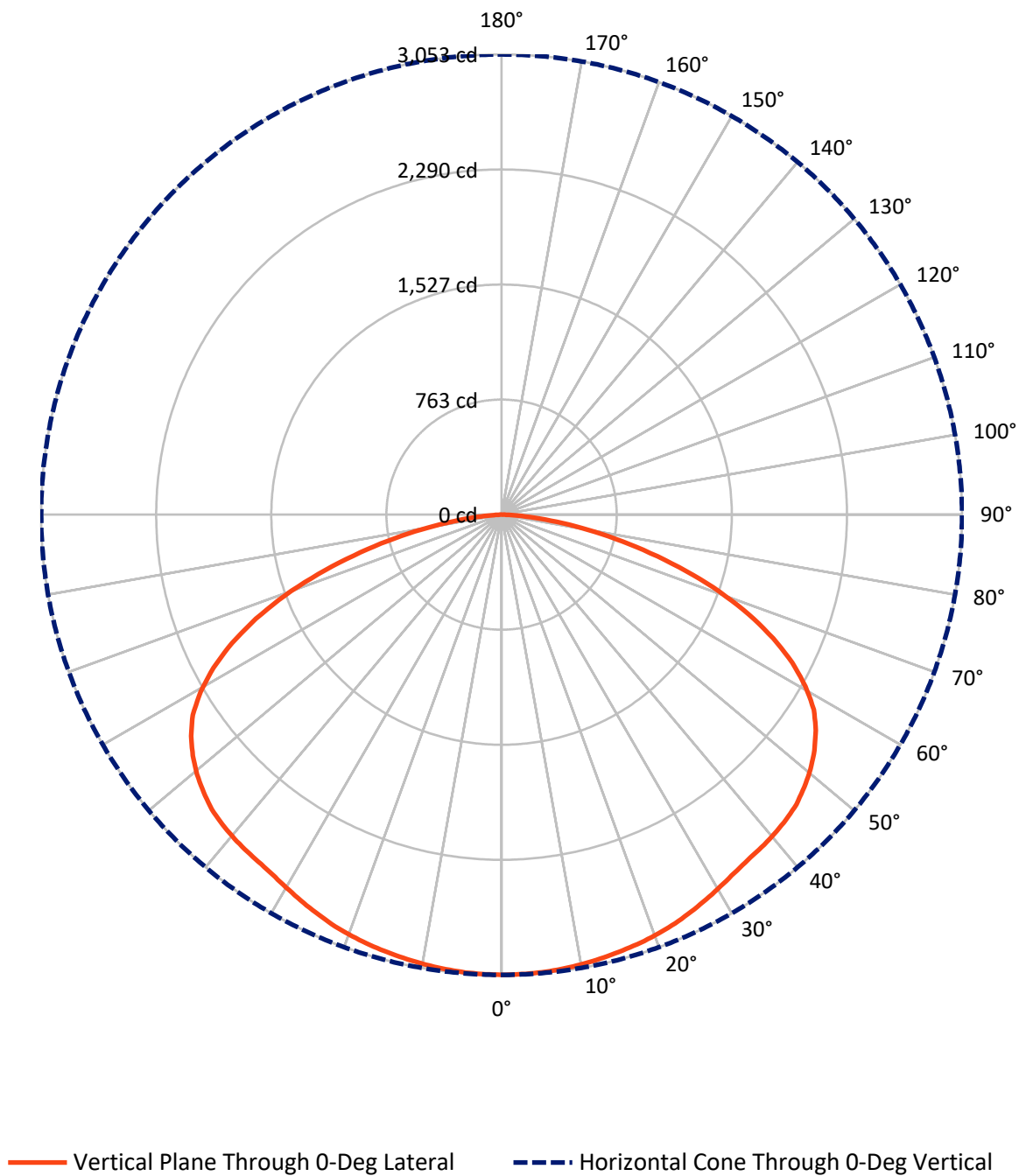


Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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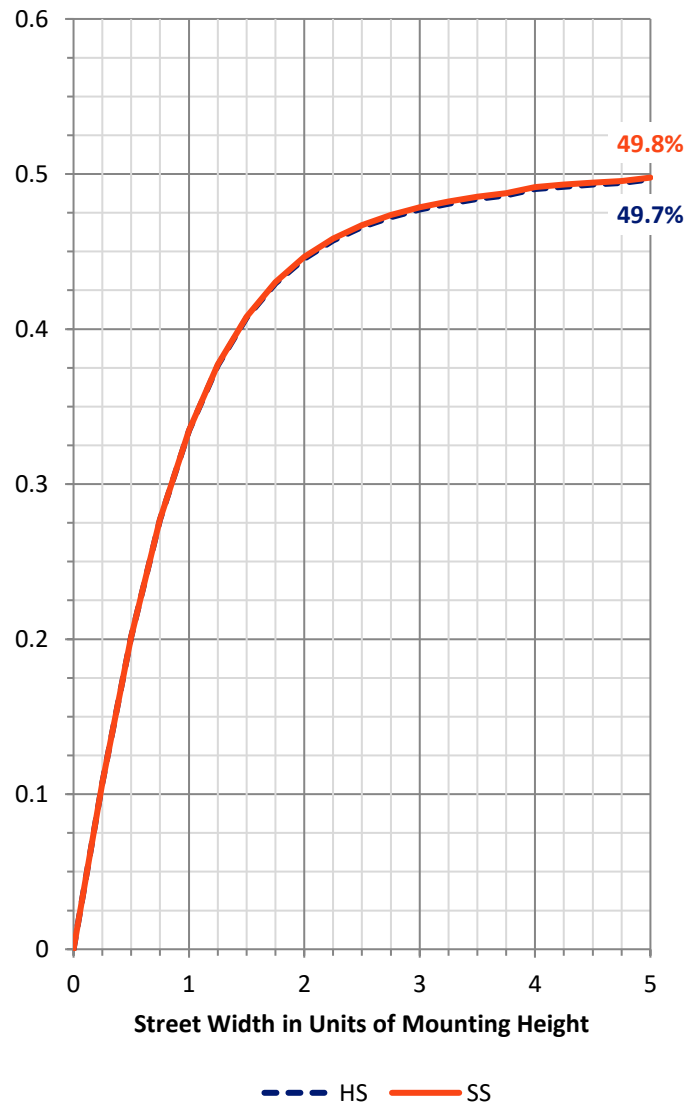
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6125.2	0.0	6125.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6125.2	0.0	6125.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12250.5	0.0	12250.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.2	2.4
10°-20°	849.6	6.9
20°-30°	1351.6	11.0
30°-40°	1787.5	14.6
40°-50°	2181.2	17.8
50°-60°	2355.7	19.2
60°-70°	2040.0	16.7
70°-80°	1156.7	9.4
80°-90°	237.9	1.9
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°	12250.5	100.0
0°-180°	12250.5	100.0

Coefficient of Utilization



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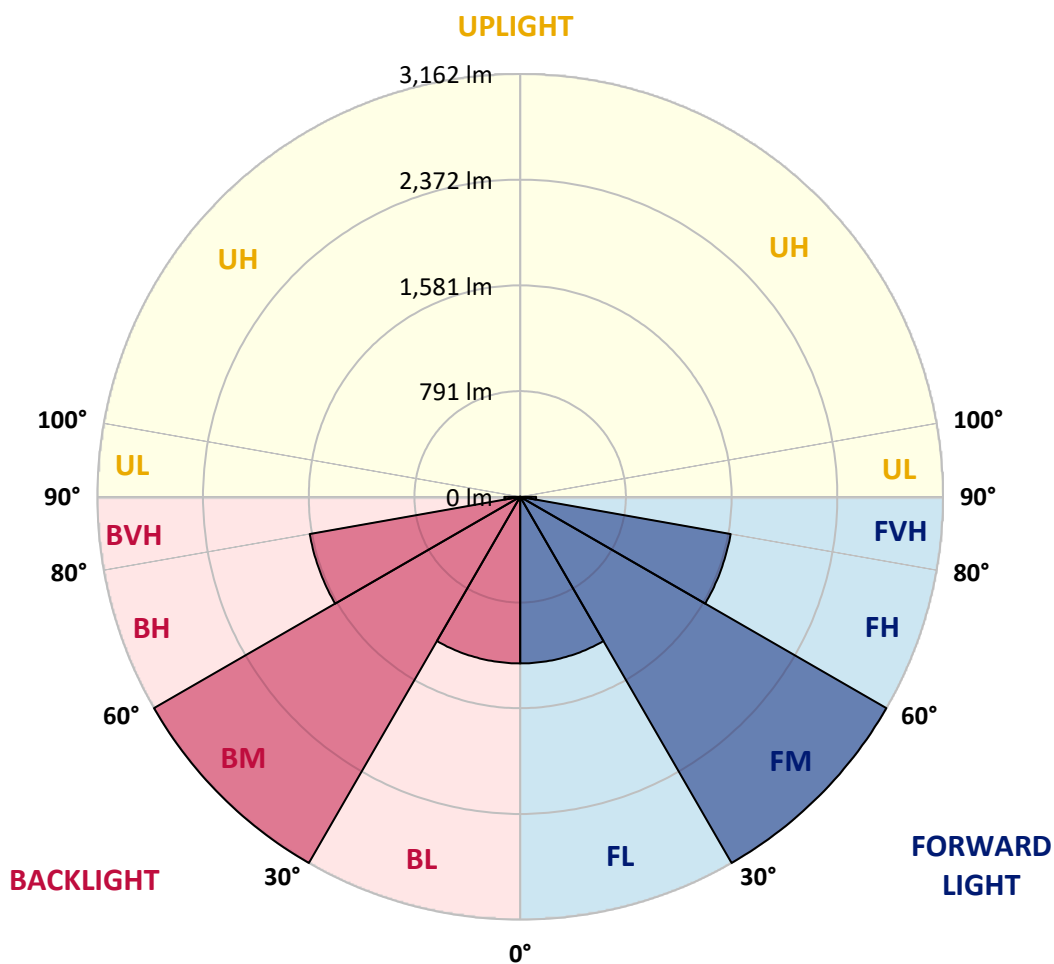
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1245.7	10.2			
FM	(30°-60°)	3162.2	25.8			
FH	(60°-80°)	1598.4	13.0			G1/1800
FVH	(80°-90°)	118.9	1.0			G2/225
BL	(0°-30°)	1245.7	10.2	B3/2500		
BM	(30°-60°)	3162.2	25.8	B3/5000		
BH	(60°-80°)	1598.4	13.0	B3/2500		G1/1800
BVH	(80°-90°)	118.9	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0
2.5°	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9
5°	3046.7	3046.7	3046.7	3046.7	3046.7	3046.7	3046.7	3046.7	3046.7	3046.7	3046.7
7.5°	3038.2	3038.2	3038.2	3038.2	3038.2	3040.3	3038.2	3038.2	3038.2	3038.2	3040.3
10°	3027.7	3027.7	3029.8	3029.8	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7
12.5°	3015.0	3015.0	3015.0	3015.0	3015.0	3015.0	3015.0	3015.0	3012.9	3012.9	3012.9
15°	3000.3	3000.3	3000.3	3002.4	3002.4	3002.4	3002.4	3000.3	2998.2	2996.1	2998.2
17.5°	2985.5	2985.5	2987.6	2989.7	2989.7	2989.7	2989.7	2985.5	2983.4	2981.3	2981.3
20°	2966.5	2968.6	2968.6	2970.8	2972.9	2972.9	2972.9	2970.8	2966.5	2962.3	2962.3
22.5°	2945.5	2947.6	2949.7	2951.8	2953.9	2951.8	2951.8	2949.7	2945.5	2943.3	2941.2
25°	2918.0	2918.0	2922.3	2926.5	2928.6	2928.6	2928.6	2924.4	2920.2	2918.0	2915.9
27.5°	2890.6	2890.6	2894.8	2901.2	2903.3	2905.4	2901.2	2899.1	2892.7	2888.5	2888.5
30°	2861.1	2861.1	2867.4	2875.9	2882.2	2884.3	2882.2	2873.8	2865.3	2861.1	2861.1
32.5°	2833.7	2835.8	2842.1	2854.8	2865.3	2869.5	2867.4	2856.9	2846.4	2837.9	2835.8
35°	2812.6	2814.7	2827.4	2842.1	2859.0	2865.3	2859.0	2848.5	2831.6	2818.9	2818.9
37.5°	2800.0	2800.0	2816.8	2842.1	2861.1	2869.5	2861.1	2846.4	2823.2	2806.3	2806.3
40°	2785.2	2789.4	2810.5	2842.1	2869.5	2882.2	2871.7	2850.6	2821.1	2800.0	2797.9
42.5°	2766.2	2772.6	2795.8	2837.9	2871.7	2890.6	2880.1	2854.8	2818.9	2795.8	2793.6
45°	2740.9	2743.0	2772.6	2823.2	2867.4	2892.7	2884.3	2852.7	2812.6	2785.2	2781.0
47.5°	2700.9	2705.1	2740.9	2800.0	2854.8	2882.2	2875.9	2840.0	2789.4	2757.8	2751.5
50°	2654.5	2658.7	2700.9	2768.3	2829.5	2861.1	2850.6	2806.3	2751.5	2709.3	2705.1
52.5°	2597.6	2606.0	2652.4	2728.3	2793.6	2823.2	2806.3	2749.4	2686.1	2639.7	2635.5
55°	2528.0	2536.4	2589.1	2669.2	2734.6	2757.8	2734.6	2667.1	2599.7	2547.0	2536.4
57.5°	2441.5	2447.9	2498.5	2582.8	2646.1	2665.0	2635.5	2565.9	2485.8	2428.9	2422.6
60°	2315.0	2323.5	2382.5	2460.5	2523.8	2547.0	2517.4	2433.1	2346.7	2289.7	2287.6
62.5°	2163.2	2178.0	2228.6	2312.9	2369.9	2401.5	2361.4	2275.0	2188.5	2123.2	2123.2
65°	1979.8	1990.3	2045.2	2127.4	2182.2	2209.6	2169.6	2089.4	1994.6	1937.6	1931.3
67.5°	1769.0	1777.4	1825.9	1910.2	1969.3	1992.4	1948.2	1872.3	1783.7	1722.6	1716.2
70°	1534.9	1547.6	1583.4	1661.4	1714.1	1726.8	1693.1	1621.4	1541.2	1486.4	1482.2
72.5°	1279.8	1290.3	1336.7	1397.9	1440.0	1444.3	1423.2	1370.5	1288.2	1244.0	1237.6
75°	1018.4	1035.2	1075.3	1128.0	1159.6	1159.6	1147.0	1109.0	1037.3	1003.6	1003.6
77.5°	771.7	780.1	822.3	858.1	883.4	896.1	881.3	847.6	790.7	767.5	754.8
80°	537.6	546.1	565.1	592.5	617.8	626.2	609.3	581.9	550.3	533.4	525.0
82.5°	328.9	337.3	347.9	362.6	379.5	387.9	377.4	360.5	333.1	331.0	328.9
85°	158.1	162.3	170.8	175.0	183.4	185.5	187.6	179.2	170.8	160.2	164.5
87.5°	48.5	48.5	50.6	52.7	56.9	56.9	56.9	54.8	50.6	48.5	48.5
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)