

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: P197579

Luminaire Tested: **TT-C6-LED-E1-CQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197579
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12343.7 lumens
Efficiency: N/A
Efficacy: 114.3 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

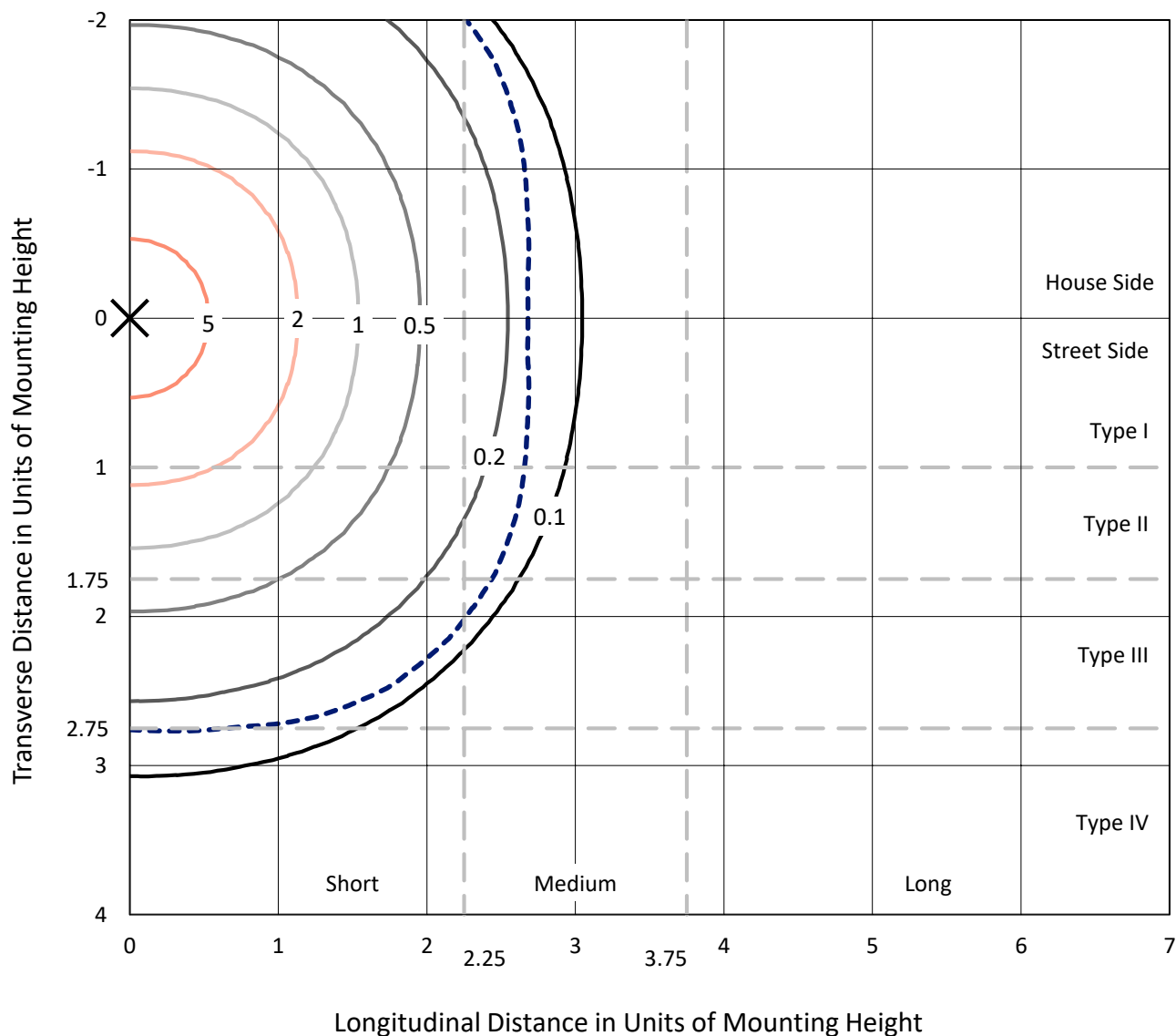


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

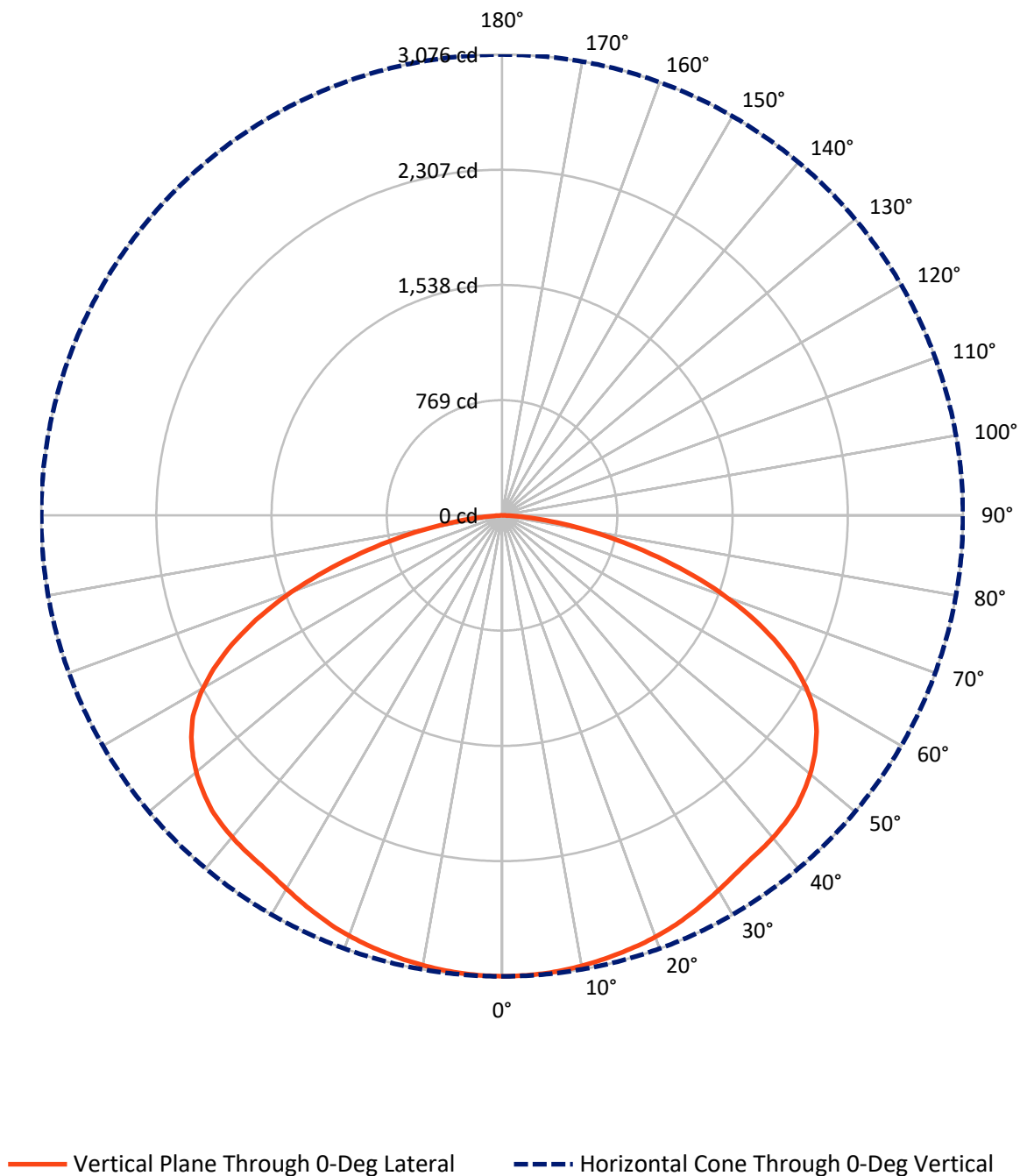


Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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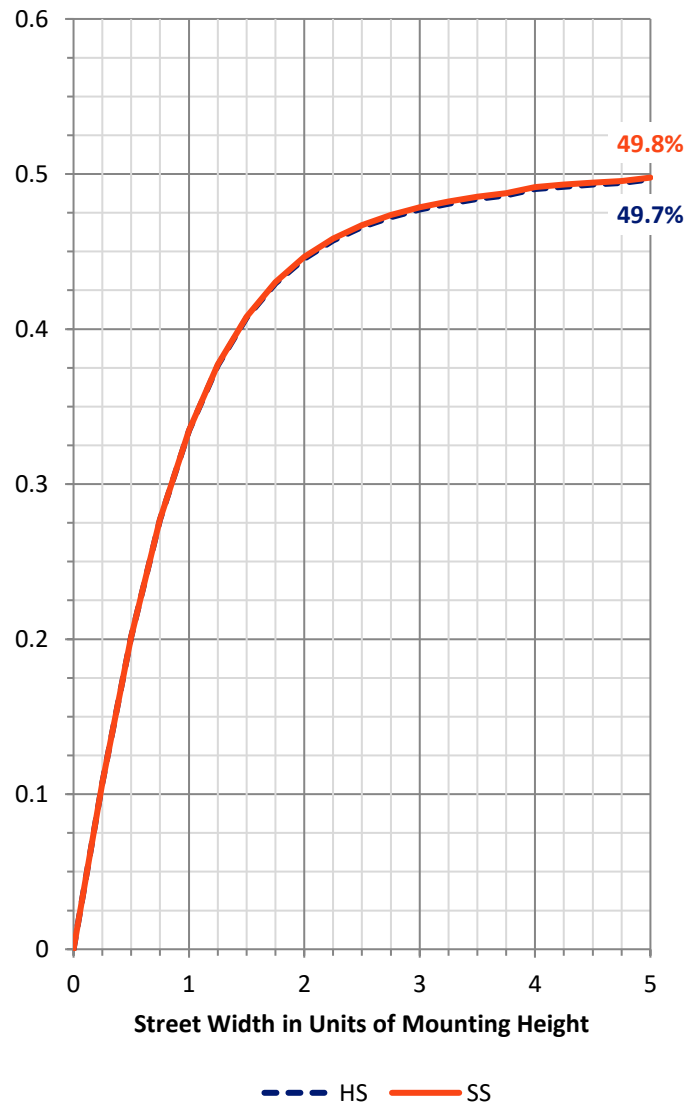
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6171.8	0.0	6171.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6171.8	0.0	6171.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12343.7	0.0	12343.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	2.4
10°-20°	856.1	6.9
20°-30°	1361.8	11.0
30°-40°	1801.1	14.6
40°-50°	2197.8	17.8
50°-60°	2373.6	19.2
60°-70°	2055.6	16.7
70°-80°	1165.5	9.4
80°-90°	239.7	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°	12343.7	100.0
0°-180°	12343.7	100.0

Coefficient of Utilization



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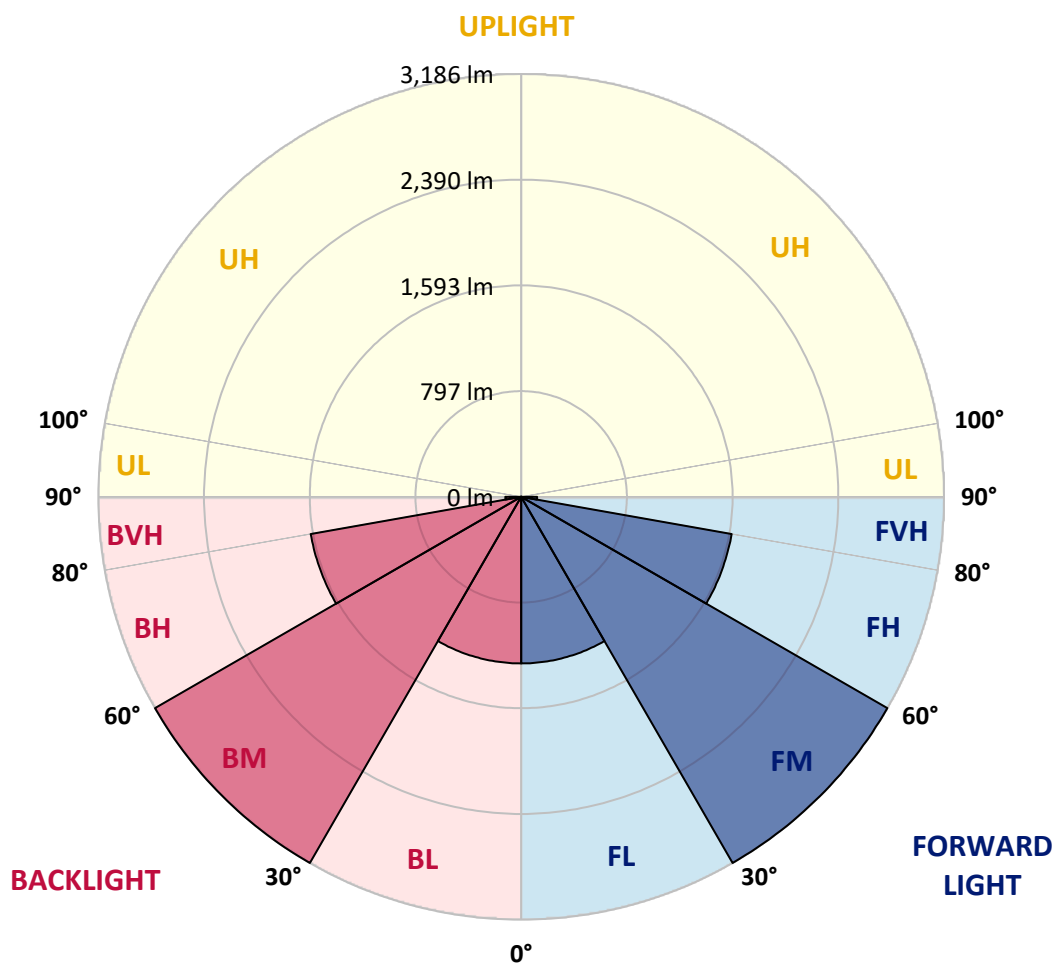
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1255.2	10.2			
FM	(30°-60°)	3186.3	25.8			
FH	(60°-80°)	1610.5	13.0			G1/1800
FVH	(80°-90°)	119.9	1.0			G2/225
BL	(0°-30°)	1255.2	10.2	B3/2500		
BM	(30°-60°)	3186.3	25.8	B3/5000		
BH	(60°-80°)	1610.5	13.0	B3/2500		G1/1800
BVH	(80°-90°)	119.9	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°	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2
2.5°	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1
5°	3069.8	3069.8	3069.8	3069.8	3069.8	3069.8	3069.8	3069.8	3069.8	3069.8	3069.8
7.5°	3061.3	3061.3	3061.3	3061.3	3061.3	3063.5	3061.3	3061.3	3061.3	3061.3	3063.5
10°	3050.7	3050.7	3052.8	3052.8	3050.7	3050.7	3050.7	3050.7	3050.7	3050.7	3050.7
12.5°	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3038.0	3035.8	3035.8	3035.8
15°	3023.1	3023.1	3023.1	3025.2	3025.2	3025.2	3025.2	3023.1	3021.0	3018.8	3021.0
17.5°	3008.2	3008.2	3010.4	3012.5	3012.5	3012.5	3012.5	3008.2	3006.1	3004.0	3004.0
20°	2989.1	2991.2	2991.2	2993.4	2995.5	2995.5	2995.5	2993.4	2989.1	2984.9	2984.9
22.5°	2967.9	2970.0	2972.1	2974.2	2976.4	2974.2	2974.2	2972.1	2967.9	2965.7	2963.6
25°	2940.2	2940.2	2944.5	2948.7	2950.9	2950.9	2950.9	2946.6	2942.4	2940.2	2938.1
27.5°	2912.6	2912.6	2916.9	2923.2	2925.4	2927.5	2923.2	2921.1	2914.7	2910.5	2910.5
30°	2882.9	2882.9	2889.3	2897.8	2904.1	2906.3	2904.1	2895.6	2887.1	2882.9	2882.9
32.5°	2855.3	2857.4	2863.8	2876.5	2887.1	2891.4	2889.3	2878.6	2868.0	2859.5	2857.4
35°	2834.0	2836.1	2848.9	2863.8	2880.8	2887.1	2880.8	2870.1	2853.1	2840.4	2840.4
37.5°	2821.3	2821.3	2838.3	2863.8	2882.9	2891.4	2882.9	2868.0	2844.6	2827.6	2827.6
40°	2806.4	2810.7	2831.9	2863.8	2891.4	2904.1	2893.5	2872.3	2842.5	2821.3	2819.1
42.5°	2787.3	2793.7	2817.0	2859.5	2893.5	2912.6	2902.0	2876.5	2840.4	2817.0	2814.9
45°	2761.8	2763.9	2793.7	2844.6	2889.3	2914.7	2906.3	2874.4	2834.0	2806.4	2802.2
47.5°	2721.4	2725.7	2761.8	2821.3	2876.5	2904.1	2897.8	2861.6	2810.7	2778.8	2772.4
50°	2674.7	2678.9	2721.4	2789.4	2851.0	2882.9	2872.3	2827.6	2772.4	2729.9	2725.7
52.5°	2617.3	2625.8	2672.6	2749.0	2814.9	2844.6	2827.6	2770.3	2706.6	2659.8	2655.6
55°	2547.2	2555.7	2608.8	2689.6	2755.4	2778.8	2755.4	2687.4	2619.5	2566.3	2555.7
57.5°	2460.1	2466.5	2517.5	2602.5	2666.2	2685.3	2655.6	2585.5	2504.7	2447.4	2441.0
60°	2332.6	2341.1	2400.6	2479.2	2543.0	2566.3	2536.6	2451.6	2364.5	2307.2	2305.0
62.5°	2179.7	2194.6	2245.5	2330.5	2387.9	2419.8	2379.4	2292.3	2205.2	2139.3	2139.3
65°	1994.9	2005.5	2060.7	2143.6	2198.8	2226.4	2186.1	2105.3	2009.7	1952.4	1946.0
67.5°	1782.4	1790.9	1839.8	1924.8	1984.2	2007.6	1963.0	1886.5	1797.3	1735.7	1729.3
70°	1546.6	1559.3	1595.5	1674.1	1727.2	1739.9	1705.9	1633.7	1553.0	1497.7	1493.5
72.5°	1289.5	1300.2	1346.9	1408.5	1451.0	1455.3	1434.0	1380.9	1298.0	1253.4	1247.1
75°	1026.1	1043.1	1083.5	1136.6	1168.4	1168.4	1155.7	1117.5	1045.2	1011.2	1011.2
77.5°	777.5	786.0	828.5	864.7	890.1	902.9	888.0	854.0	796.7	773.3	760.6
80°	541.7	550.2	569.4	597.0	622.5	631.0	614.0	586.3	554.5	537.5	529.0
82.5°	331.4	339.9	350.5	365.4	382.4	390.9	380.3	363.3	335.7	333.5	331.4
85°	159.3	163.6	172.1	176.3	184.8	187.0	189.1	180.6	172.1	161.5	165.7
87.5°	48.9	48.9	51.0	53.1	57.4	57.4	57.4	55.2	51.0	48.9	48.9
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)