

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: P400688

Luminaire Tested: **TT-D6-840-U-CQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D6-840-U-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
4000K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11708 lumens
Efficiency: N/A
Efficacy: 111.3 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): 105.2
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

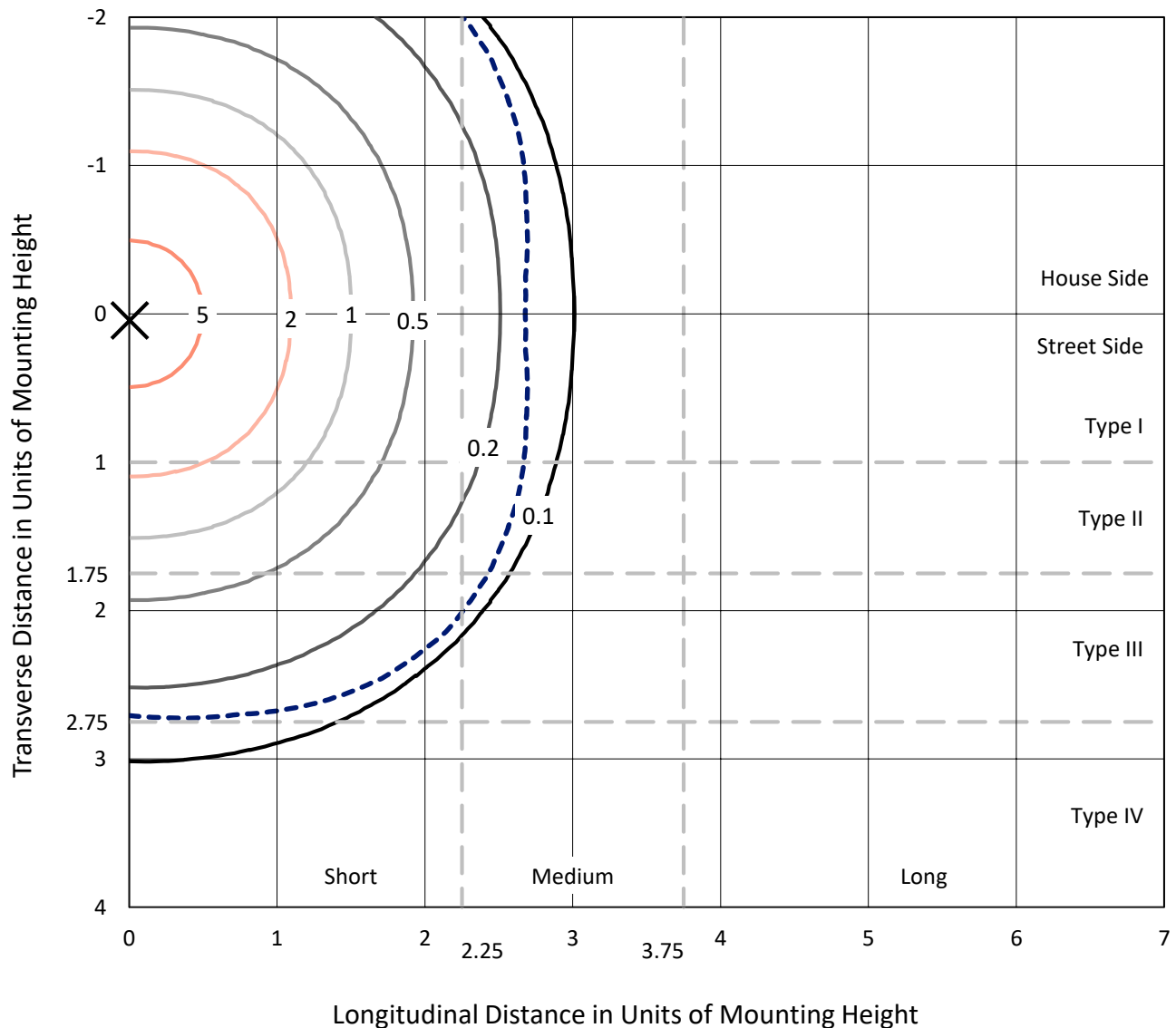


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

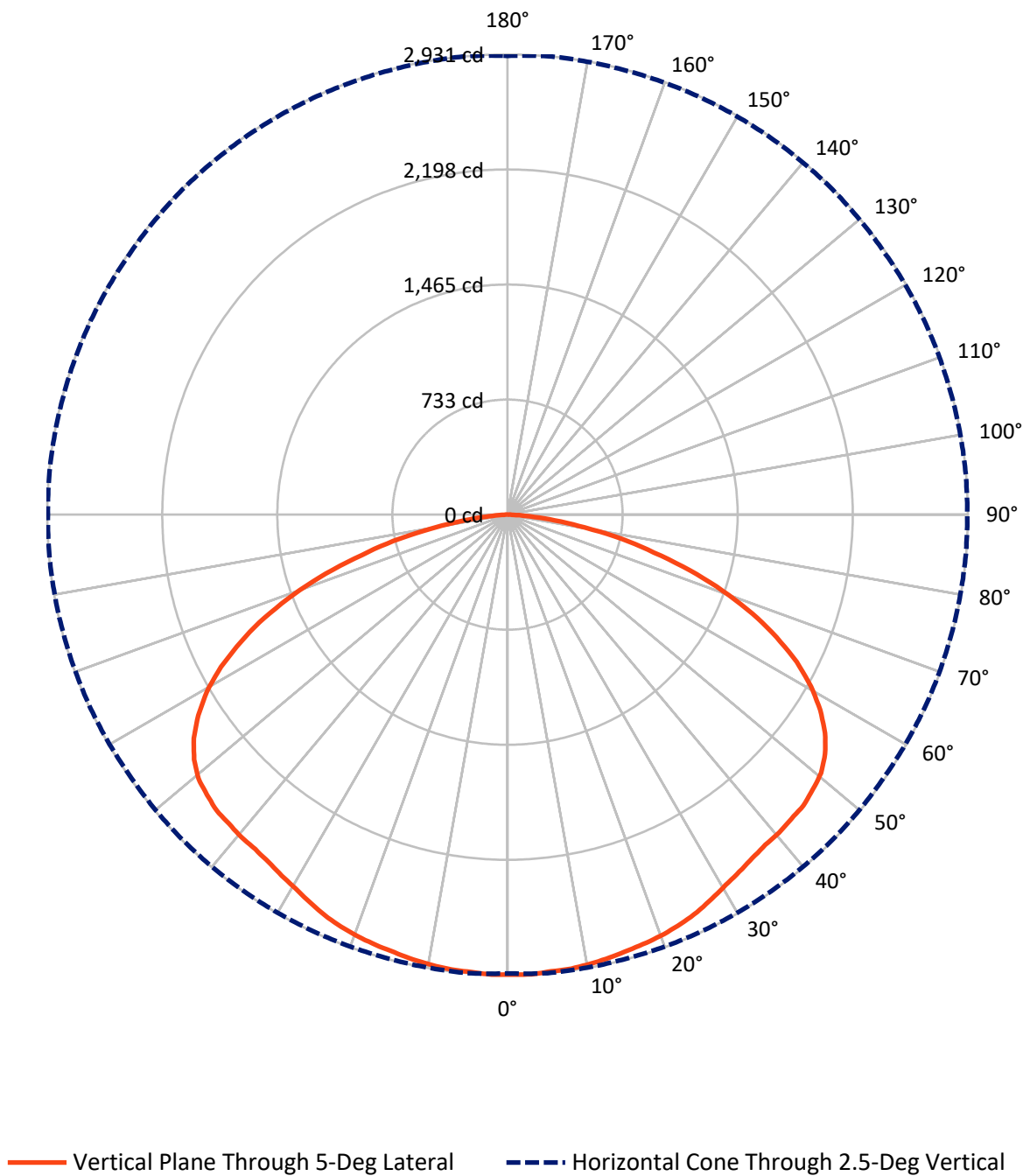


Based on 20 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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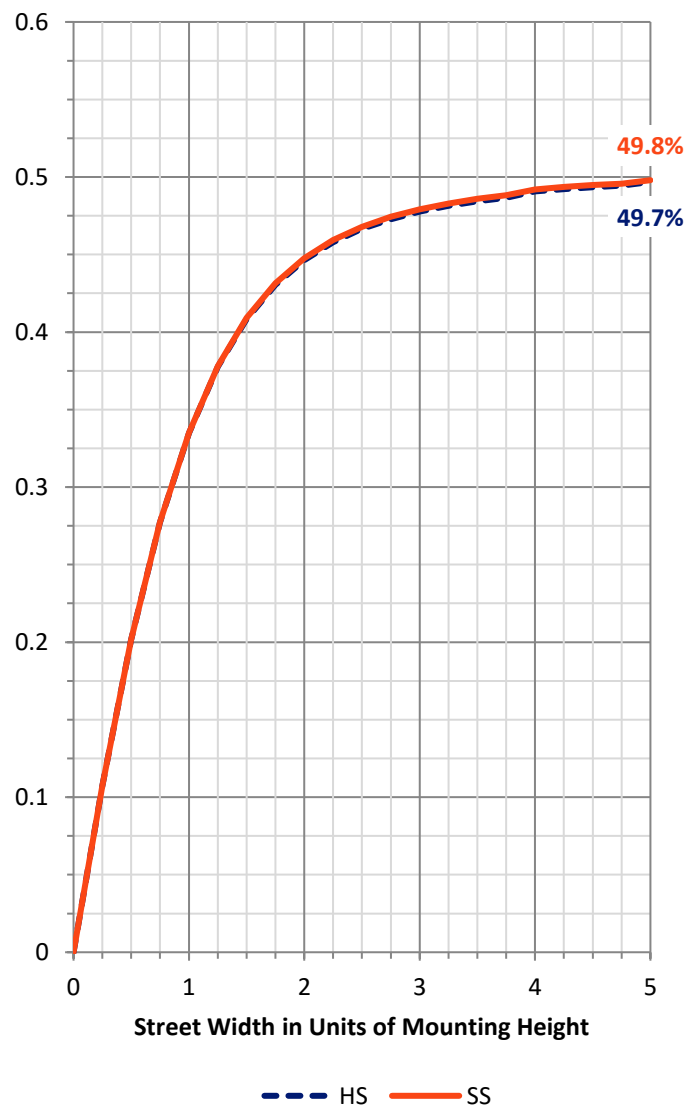
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5854.0	0.0	5854.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5854.0	0.0	5854.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11708.0	0.0	11708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.6	2.4
10°-20°	815.8	7.0
20°-30°	1297.4	11.1
30°-40°	1706.8	14.6
40°-50°	2089.0	17.8
50°-60°	2262.6	19.3
60°-70°	1946.5	16.6
70°-80°	1094.3	9.3
80°-90°	217.0	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°	11708.0	100.0
0°-180°	11708.0	100.0

Coefficient of Utilization



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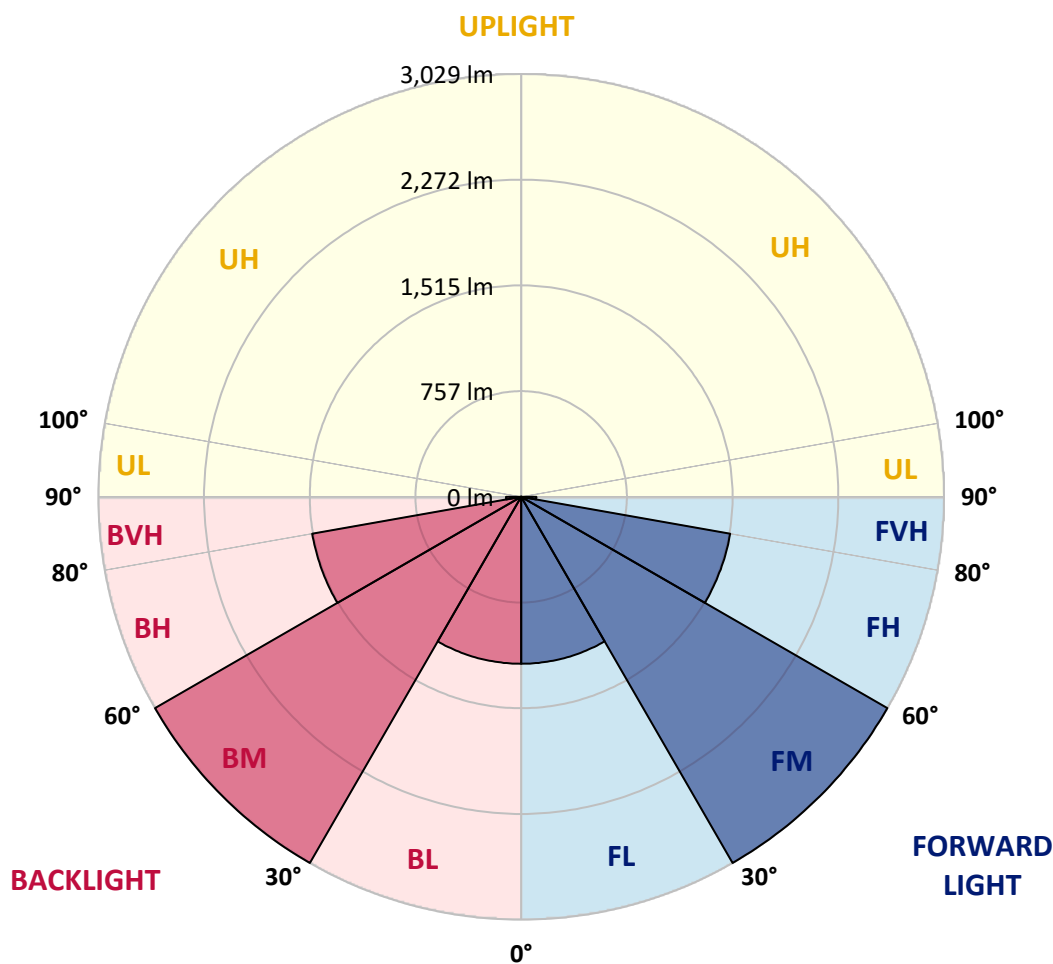
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1195.9	10.2			
FM	(30°-60°)	3029.2	25.9			
FH	(60°-80°)	1520.4	13.0			G1/1800
FVH	(80°-90°)	108.5	0.9			G2/225
BL	(0°-30°)	1195.9	10.2	B3/2500		
BM	(30°-60°)	3029.2	25.9	B3/5000		
BH	(60°-80°)	1520.4	13.0	B3/2500		G1/1800
BVH	(80°-90°)	108.5	0.9			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°	2929.0	2929.0	2929.0	2929.0	2929.0	2929.0	2929.0	2929.0	2929.0	2929.0	2929.0
2.5°	2921.5	2930.9	2927.1	2927.1	2927.1	2927.1	2923.4	2927.1	2927.1	2929.0	2927.1
5°	2923.4	2921.5	2921.5	2923.4	2923.4	2925.3	2921.5	2923.4	2925.3	2925.3	2927.1
7.5°	2917.8	2919.7	2916.0	2919.7	2916.0	2917.8	2917.8	2919.7	2917.8	2919.7	2923.4
10°	2906.6	2908.5	2906.6	2906.6	2906.6	2910.4	2902.9	2908.5	2906.6	2908.5	2906.6
12.5°	2886.1	2895.5	2891.7	2895.5	2895.5	2895.5	2889.9	2893.6	2895.5	2895.5	2895.5
15°	2876.8	2878.7	2873.1	2880.6	2882.4	2884.3	2876.8	2880.6	2880.6	2882.4	2884.3
17.5°	2856.3	2865.6	2863.8	2869.4	2867.5	2873.1	2871.2	2869.4	2867.5	2871.2	2867.5
20°	2841.4	2850.7	2848.9	2854.5	2856.3	2861.9	2856.3	2856.3	2850.7	2852.6	2858.2
22.5°	2826.5	2830.2	2830.2	2835.8	2835.8	2841.4	2835.8	2834.0	2834.0	2832.1	2837.7
25°	2802.3	2804.2	2802.3	2807.9	2811.6	2815.3	2813.5	2809.8	2807.9	2807.9	2806.0
27.5°	2763.2	2770.6	2774.4	2781.8	2783.7	2789.3	2781.8	2781.8	2778.1	2774.4	2776.2
30°	2733.4	2737.1	2737.1	2753.9	2753.9	2763.2	2753.9	2752.0	2750.1	2748.3	2744.5
32.5°	2705.4	2711.0	2716.6	2729.6	2738.9	2742.7	2737.1	2733.4	2724.0	2718.5	2716.6
35°	2683.1	2684.9	2696.1	2714.7	2725.9	2735.2	2727.8	2718.5	2705.4	2696.1	2703.5
37.5°	2666.3	2668.1	2684.9	2709.1	2729.6	2737.1	2725.9	2711.0	2690.5	2679.3	2675.6
40°	2651.4	2662.6	2681.2	2714.7	2737.1	2748.3	2738.9	2718.5	2688.6	2666.3	2664.4
42.5°	2643.9	2649.5	2677.5	2716.6	2748.3	2763.2	2750.1	2722.2	2684.9	2658.8	2657.0
45°	2625.3	2642.1	2668.1	2718.5	2753.9	2772.5	2753.9	2718.5	2673.7	2643.9	2638.3
47.5°	2610.4	2616.0	2657.0	2714.7	2757.6	2772.5	2753.9	2709.1	2653.2	2614.1	2610.4
50°	2575.0	2588.0	2629.0	2690.5	2740.8	2755.7	2733.4	2673.7	2610.4	2567.5	2560.1
52.5°	2521.0	2532.1	2580.6	2657.0	2705.4	2722.2	2688.6	2625.3	2550.8	2498.6	2498.6
55°	2437.1	2453.9	2504.2	2582.4	2643.9	2658.8	2619.7	2552.6	2468.8	2416.6	2414.7
57.5°	2336.5	2347.7	2401.7	2487.4	2547.0	2569.4	2530.3	2455.7	2371.9	2310.4	2304.8
60°	2206.1	2221.0	2278.7	2360.7	2422.2	2440.8	2407.3	2332.8	2247.1	2181.8	2181.8
62.5°	2049.6	2066.3	2124.1	2207.9	2271.3	2299.2	2252.6	2181.8	2092.4	2029.1	2023.5
65°	1867.0	1881.9	1934.0	2021.6	2086.8	2107.3	2071.9	1997.4	1911.7	1852.1	1846.5
67.5°	1662.0	1682.5	1734.7	1809.2	1865.1	1891.2	1868.8	1801.7	1712.3	1650.8	1645.2
70°	1440.3	1455.2	1496.2	1565.1	1628.5	1647.1	1613.6	1568.8	1485.0	1429.1	1421.6
72.5°	1203.6	1216.7	1250.2	1315.4	1360.2	1384.4	1365.7	1308.0	1240.9	1194.3	1201.8
75°	965.2	963.3	1000.6	1047.1	1088.1	1104.9	1091.9	1054.6	993.1	954.0	952.1
77.5°	726.7	745.3	758.3	797.5	831.0	844.0	825.4	795.6	749.0	717.3	722.9
80°	510.5	499.3	523.6	547.8	570.1	583.2	572.0	555.2	523.6	499.3	495.6
82.5°	313.0	303.7	314.9	337.2	352.2	355.9	357.7	337.2	324.2	305.6	309.3
85°	137.9	139.7	149.1	164.0	165.8	167.7	167.7	164.0	149.1	147.2	143.5
87.5°	33.5	33.5	35.4	41.0	41.0	42.9	42.9	37.3	35.4	31.7	33.5
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)