

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: P400684

Luminaire Tested: **TT-D6-835-U-CQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400684
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-D6-835-U-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
3500K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11030 lumens
Efficiency: N/A
Efficacy: 104.8 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

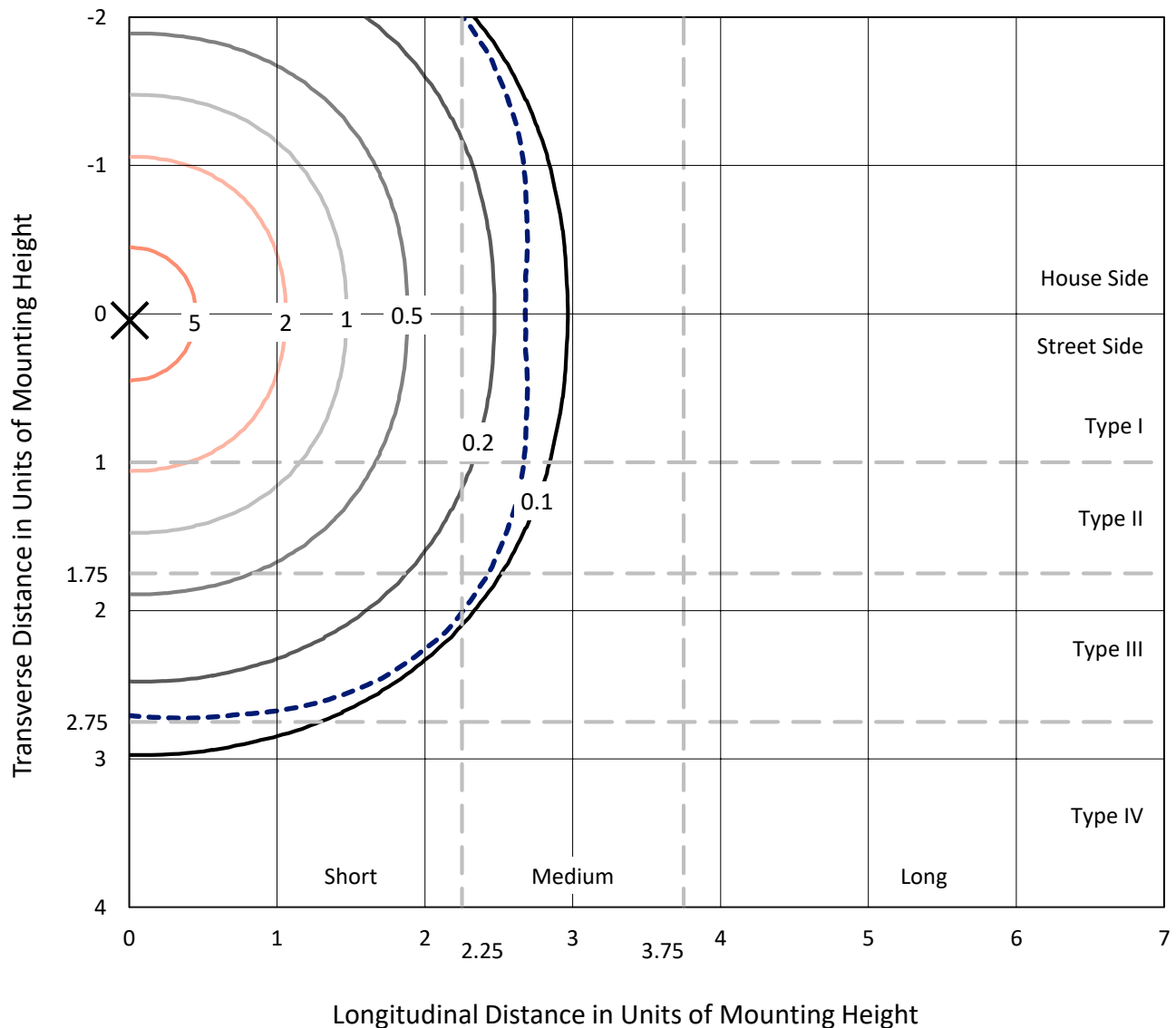


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

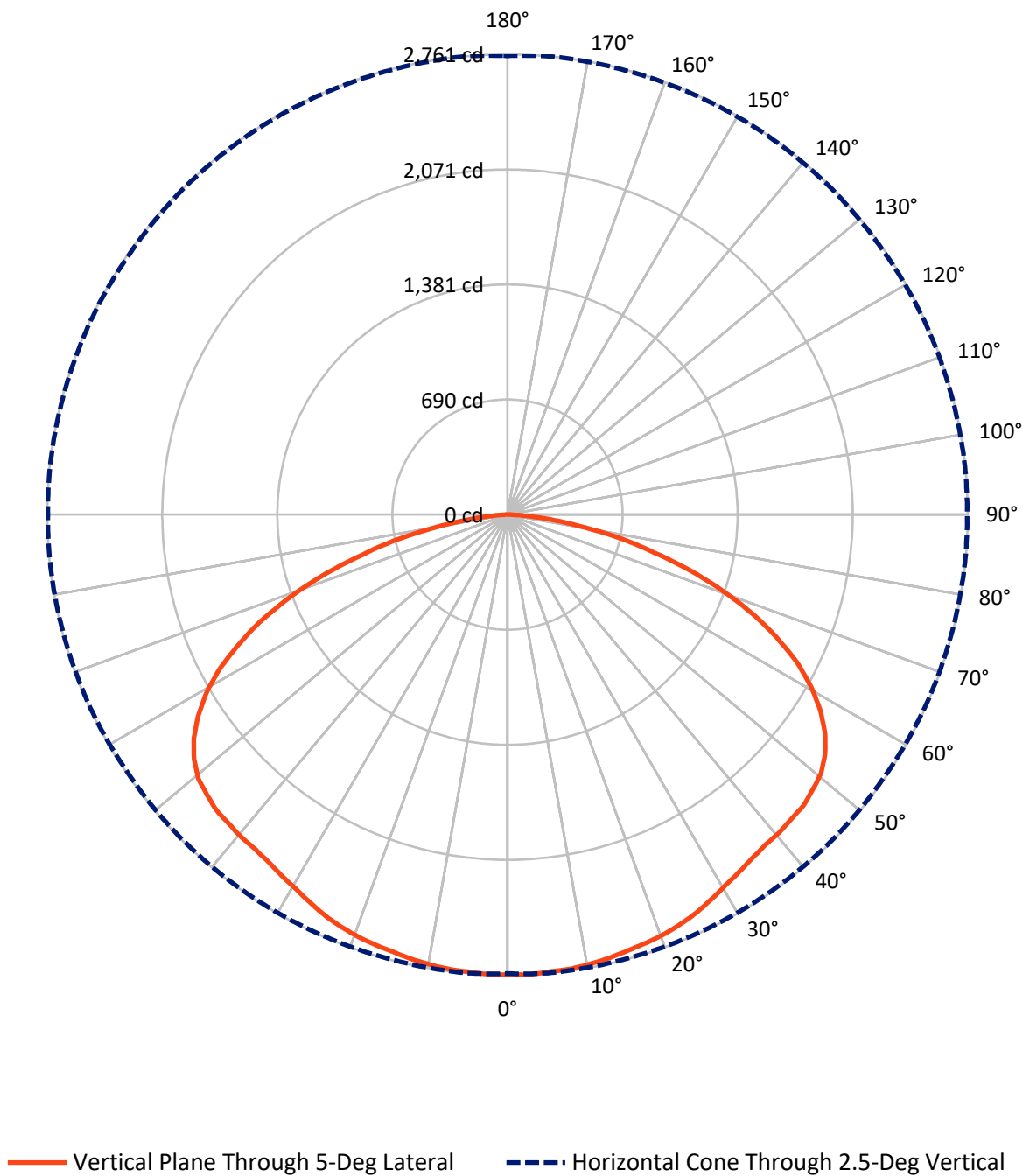


Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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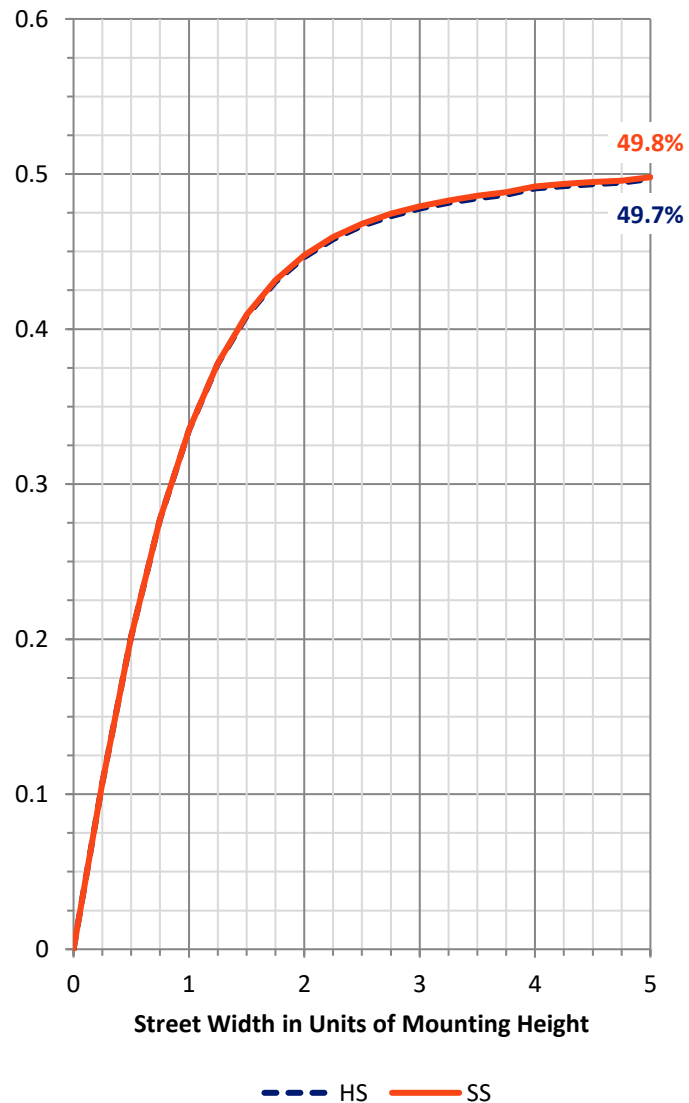
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5515.0	0.0	5515.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5515.0	0.0	5515.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11030.0	0.0	11030.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	2.4
10°-20°	768.6	7.0
20°-30°	1222.3	11.1
30°-40°	1607.9	14.6
40°-50°	1968.0	17.8
50°-60°	2131.6	19.3
60°-70°	1833.8	16.6
70°-80°	1030.9	9.3
80°-90°	204.4	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°	11030.0	100.0
0°-180°	11030.0	100.0

Coefficient of Utilization



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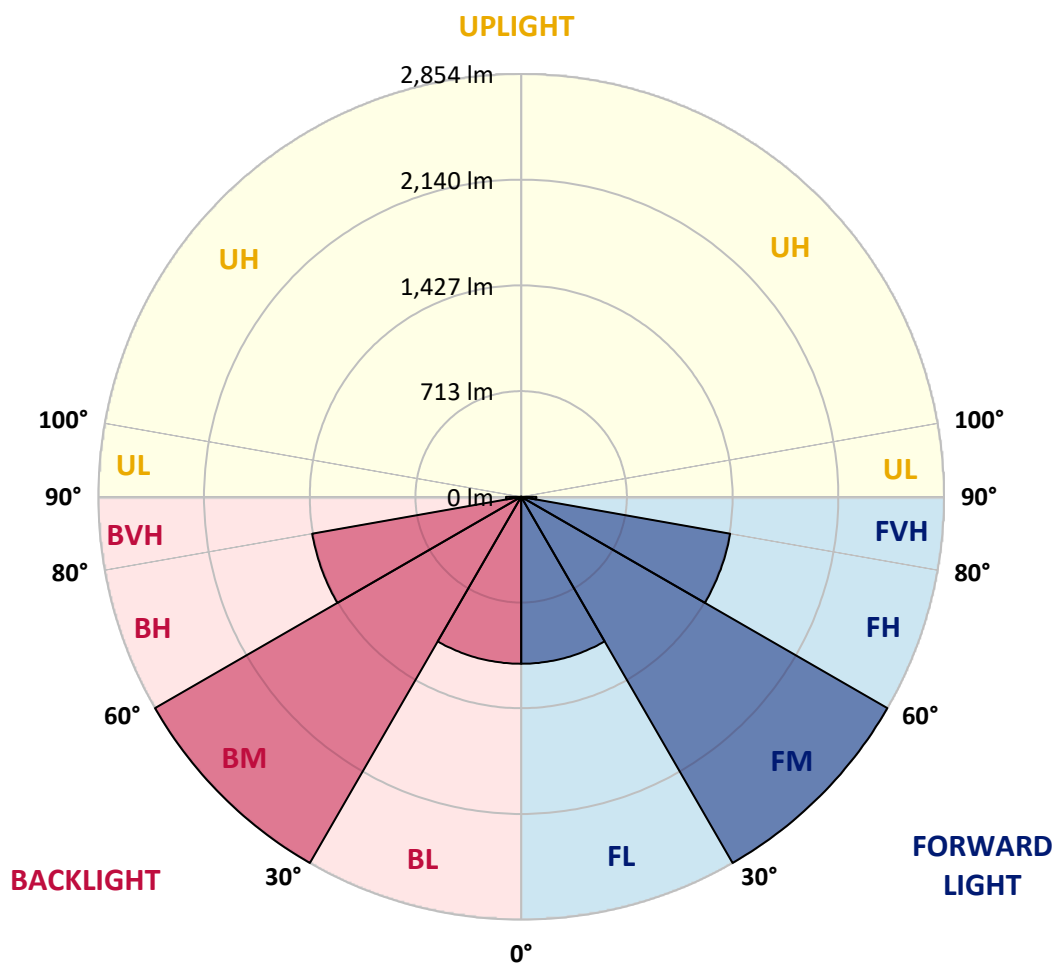
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1126.7	10.2			
FM	(30°-60°)	2853.7	25.9			
FH	(60°-80°)	1432.4	13.0			G1/1800
FVH	(80°-90°)	102.2	0.9			G2/225
BL	(0°-30°)	1126.7	10.2	B3/2500		
BM	(30°-60°)	2853.7	25.9	B3/5000		
BH	(60°-80°)	1432.4	13.0	B3/2500		G1/1800
BVH	(80°-90°)	102.2	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°	2759.4	2759.4	2759.4	2759.4	2759.4	2759.4	2759.4	2759.4	2759.4	2759.4	2759.4
2.5°	2752.4	2761.1	2757.6	2757.6	2757.6	2757.6	2754.1	2757.6	2757.6	2759.4	2757.6
5°	2754.1	2752.4	2752.4	2754.1	2754.1	2755.9	2752.4	2754.1	2755.9	2755.9	2757.6
7.5°	2748.9	2750.6	2747.1	2750.6	2747.1	2748.9	2748.9	2750.6	2748.9	2750.6	2754.1
10°	2738.3	2740.1	2738.3	2738.3	2738.3	2741.8	2734.8	2740.1	2738.3	2740.1	2738.3
12.5°	2719.0	2727.8	2724.3	2727.8	2727.8	2727.8	2722.5	2726.0	2727.8	2727.8	2727.8
15°	2710.2	2712.0	2706.7	2713.7	2715.5	2717.3	2710.2	2713.7	2713.7	2715.5	2717.3
17.5°	2690.9	2699.7	2697.9	2703.2	2701.5	2706.7	2705.0	2703.2	2701.5	2705.0	2701.5
20°	2676.9	2685.7	2683.9	2689.2	2690.9	2696.2	2690.9	2690.9	2685.7	2687.4	2692.7
22.5°	2662.8	2666.4	2666.4	2671.6	2671.6	2676.9	2671.6	2669.9	2669.9	2668.1	2673.4
25°	2640.0	2641.8	2640.0	2645.3	2648.8	2652.3	2650.6	2647.0	2645.3	2645.3	2643.5
27.5°	2603.2	2610.2	2613.7	2620.7	2622.5	2627.7	2620.7	2620.7	2617.2	2613.7	2615.4
30°	2575.1	2578.6	2578.6	2594.4	2594.4	2603.2	2594.4	2592.6	2590.9	2589.1	2585.6
32.5°	2548.7	2554.0	2559.3	2571.6	2580.3	2583.8	2578.6	2575.1	2566.3	2561.0	2559.3
35°	2527.7	2529.4	2540.0	2557.5	2568.1	2576.8	2569.8	2561.0	2548.7	2540.0	2547.0
37.5°	2511.9	2513.6	2529.4	2552.3	2571.6	2578.6	2568.1	2554.0	2534.7	2524.2	2520.7
40°	2497.8	2508.4	2525.9	2557.5	2578.6	2589.1	2580.3	2561.0	2532.9	2511.9	2510.1
42.5°	2490.8	2496.1	2522.4	2559.3	2589.1	2603.2	2590.9	2564.5	2529.4	2504.9	2503.1
45°	2473.3	2489.1	2513.6	2561.0	2594.4	2611.9	2594.4	2561.0	2518.9	2490.8	2485.6
47.5°	2459.2	2464.5	2503.1	2557.5	2597.9	2611.9	2594.4	2552.3	2499.6	2462.7	2459.2
50°	2425.9	2438.2	2476.8	2534.7	2582.1	2596.1	2575.1	2518.9	2459.2	2418.8	2411.8
52.5°	2375.0	2385.5	2431.1	2503.1	2548.7	2564.5	2532.9	2473.3	2403.1	2353.9	2353.9
55°	2296.0	2311.8	2359.2	2432.9	2490.8	2504.9	2468.0	2404.8	2325.8	2276.7	2274.9
57.5°	2201.2	2211.7	2262.6	2343.4	2399.5	2420.6	2383.7	2313.5	2234.5	2176.6	2171.3
60°	2078.3	2092.4	2146.8	2224.0	2281.9	2299.5	2267.9	2197.7	2116.9	2055.5	2055.5
62.5°	1930.9	1946.7	2001.1	2080.1	2139.8	2166.1	2122.2	2055.5	1971.2	1911.6	1906.3
65°	1758.8	1772.9	1822.0	1904.5	1966.0	1985.3	1951.9	1881.7	1801.0	1744.8	1739.5
67.5°	1565.8	1585.1	1634.2	1704.4	1757.1	1781.7	1760.6	1697.4	1613.2	1555.2	1550.0
70°	1356.9	1370.9	1409.5	1474.5	1534.2	1551.7	1520.1	1478.0	1399.0	1346.3	1339.3
72.5°	1133.9	1146.2	1177.8	1239.3	1281.4	1304.2	1286.7	1232.2	1169.1	1125.2	1132.2
75°	909.3	907.5	942.6	986.5	1025.1	1040.9	1028.6	993.5	935.6	898.7	897.0
77.5°	684.6	702.1	714.4	751.3	782.9	795.2	777.6	749.5	705.6	675.8	681.1
80°	481.0	470.4	493.2	516.1	537.1	549.4	538.9	523.1	493.2	470.4	466.9
82.5°	294.9	286.1	296.7	317.7	331.8	335.3	337.0	317.7	305.4	287.9	291.4
85°	129.9	131.6	140.4	154.5	156.2	158.0	158.0	154.5	140.4	138.7	135.2
87.5°	31.6	31.6	33.4	38.6	38.6	40.4	40.4	35.1	33.4	29.8	31.6
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)