

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: P197650

Luminaire Tested: **TT-C6-LED-E1-MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33410)
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-MQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12277.1 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

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



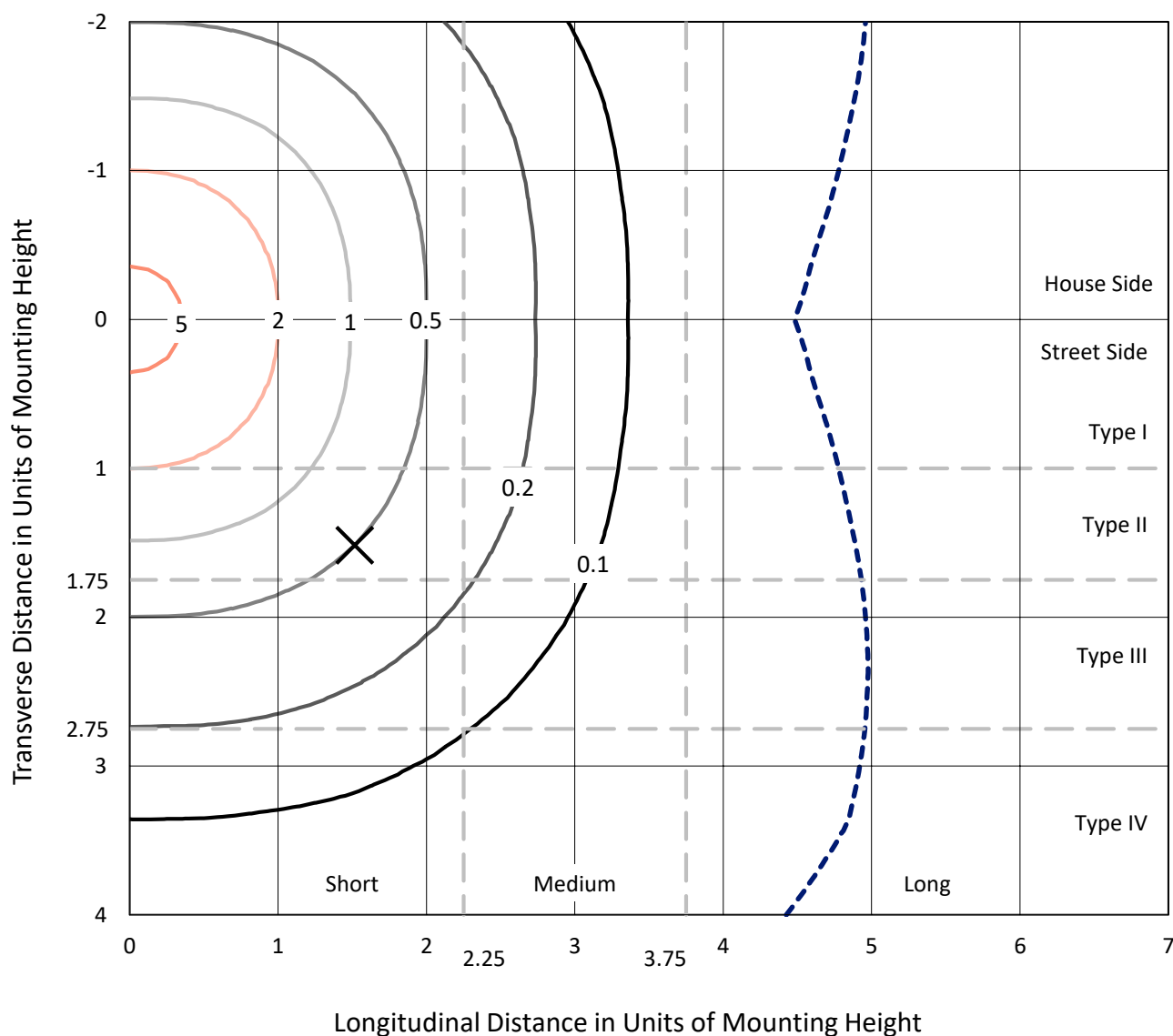
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

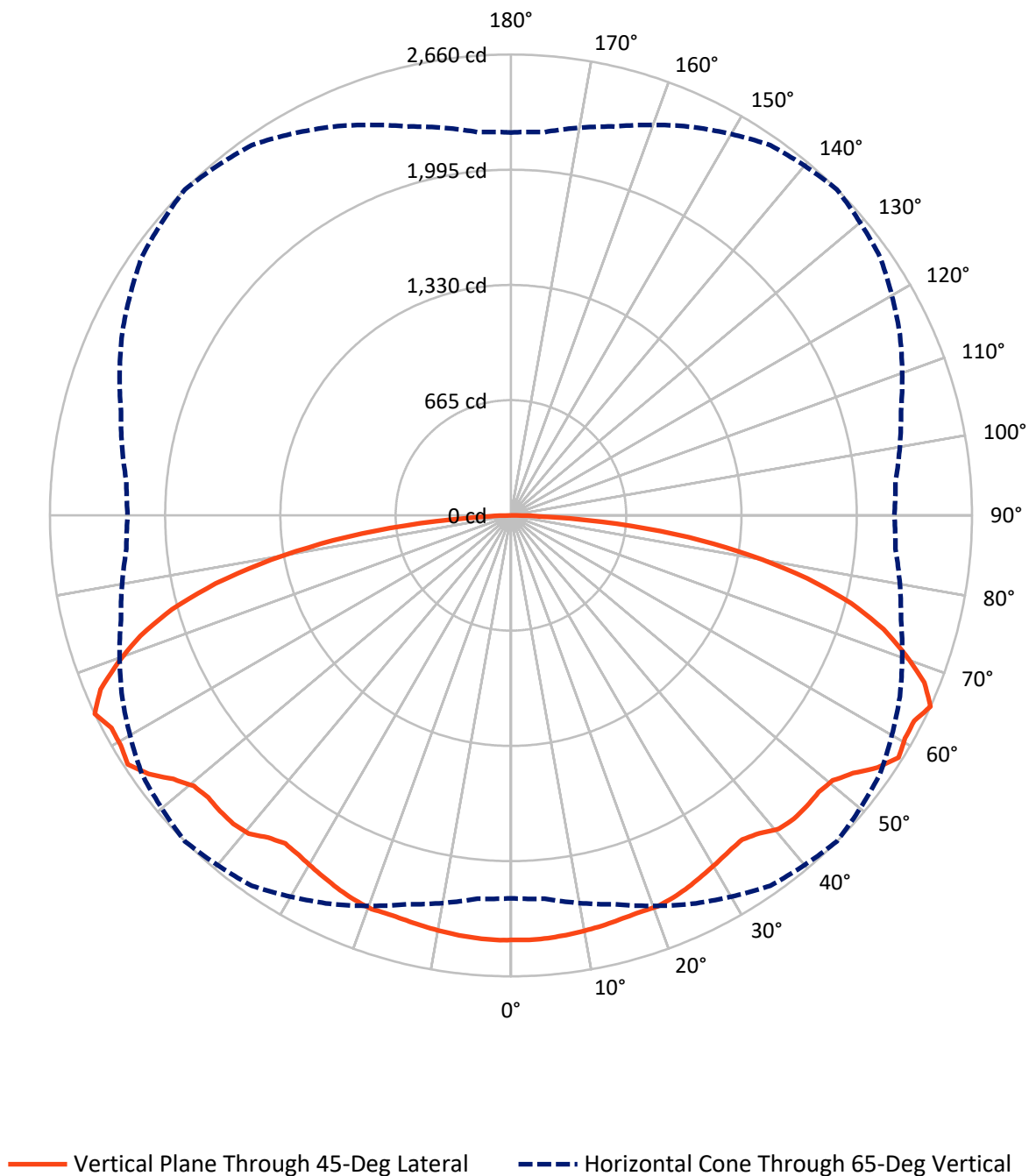


Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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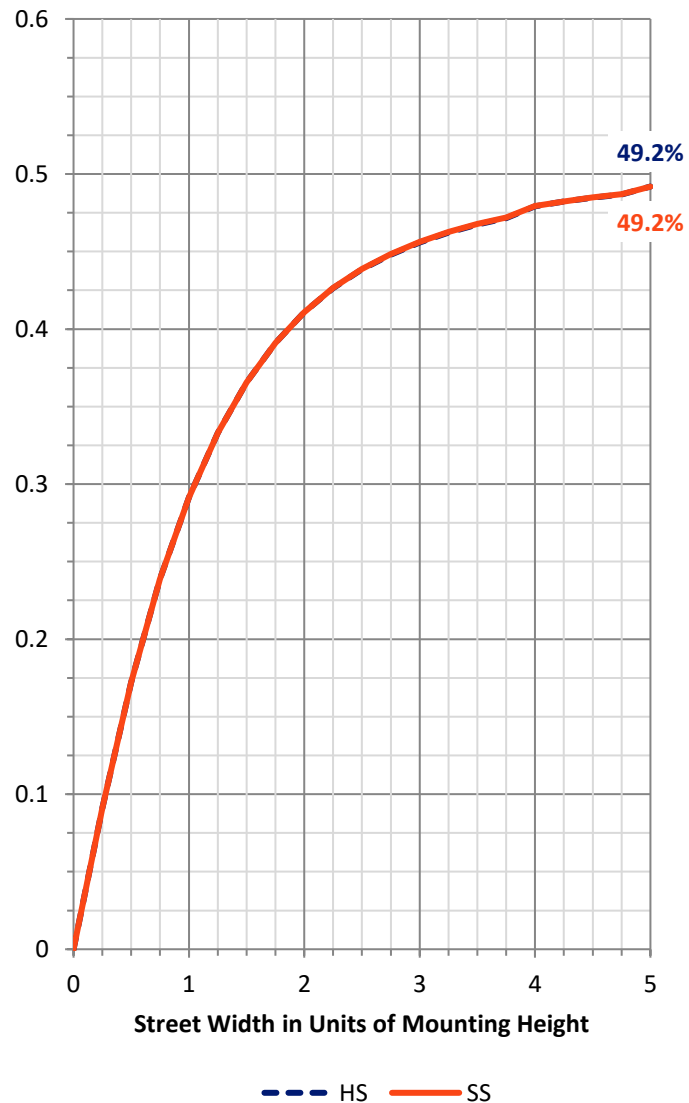
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6138.6	0.0	6138.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6138.6	0.0	6138.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12277.1	0.0	12277.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.1	1.9
10°-20°	683.8	5.6
20°-30°	1094.2	8.9
30°-40°	1445.2	11.8
40°-50°	1806.6	14.7
50°-60°	2169.0	17.7
60°-70°	2370.8	19.3
70°-80°	1883.7	15.3
80°-90°	590.6	4.8
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°	12277.1	100.0
0°-180°	12277.1	100.0

Coefficient of Utilization



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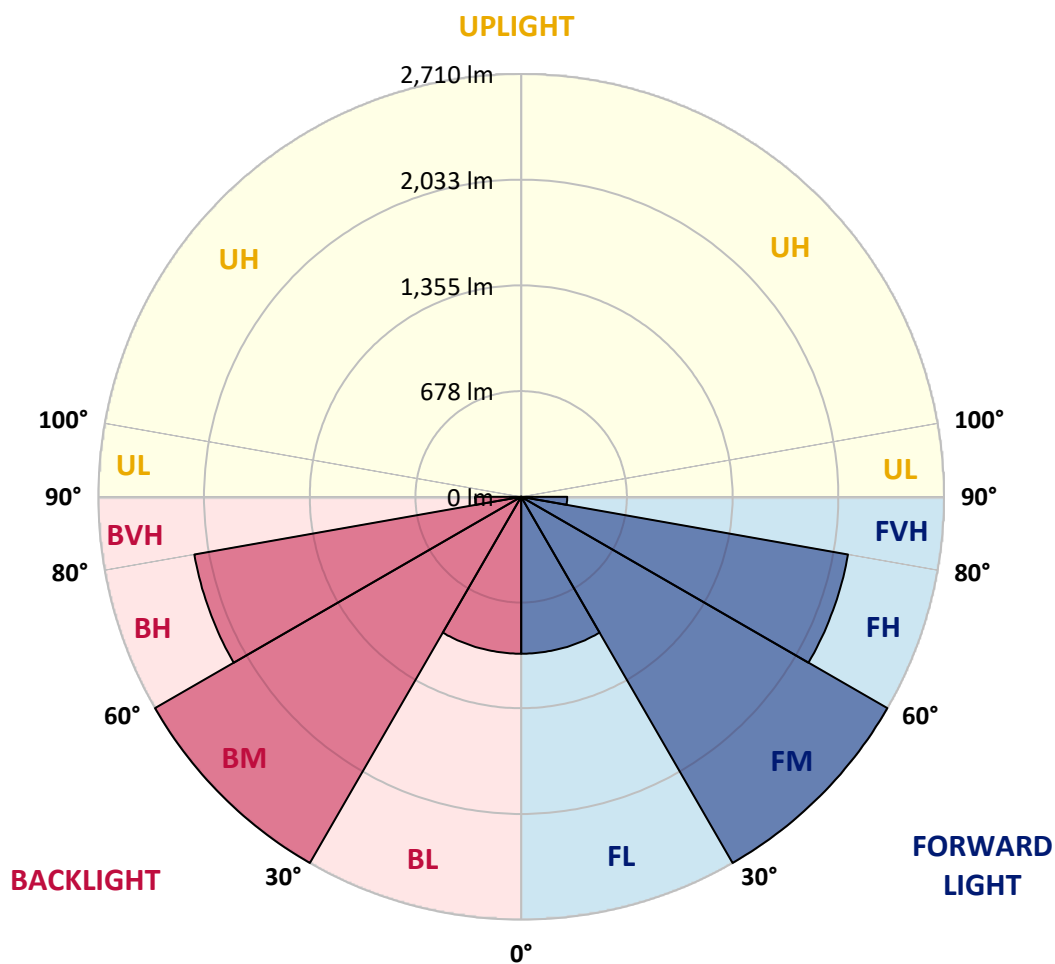
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1005.6	8.2			
FM	(30°-60°)	2710.4	22.1			
FH	(60°-80°)	2127.3	17.3			G2/5000
FVH	(80°-90°)	295.3	2.4			G3/500
BL	(0°-30°)	1005.6	8.2	B3/2500		
BM	(30°-60°)	2710.4	22.1	B3/5000		
BH	(60°-80°)	2127.3	17.3	B3/2500		G2/5000
BVH	(80°-90°)	295.3	2.4			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2449.4	2449.4	2449.4	2449.4	2449.4	2449.4	2449.4	2449.4	2449.4	2449.4	2449.4
2.5°	2451.6	2451.6	2451.6	2451.6	2449.4	2451.6	2449.4	2449.4	2451.6	2451.6	2451.6
5°	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3
7.5°	2440.9	2440.9	2440.9	2440.9	2440.9	2440.9	2440.9	2440.9	2440.9	2440.9	2440.9
10°	2432.3	2434.4	2434.4	2434.4	2432.3	2432.3	2432.3	2434.4	2434.4	2432.3	2432.3
12.5°	2423.7	2423.7	2425.8	2423.7	2423.7	2423.7	2423.7	2423.7	2423.7	2423.7	2421.6
15°	2410.8	2410.8	2413.0	2413.0	2413.0	2413.0	2413.0	2410.8	2410.8	2408.7	2408.7
17.5°	2400.1	2400.1	2404.4	2404.4	2406.5	2406.5	2406.5	2402.2	2402.2	2398.0	2398.0
20°	2398.0	2398.0	2400.1	2404.4	2406.5	2408.7	2406.5	2402.2	2398.0	2393.7	2393.7
22.5°	2382.9	2385.1	2389.4	2391.5	2395.8	2395.8	2395.8	2389.4	2387.2	2382.9	2382.9
25°	2363.6	2361.5	2367.9	2372.2	2376.5	2376.5	2374.4	2370.1	2367.9	2361.5	2361.5
27.5°	2333.6	2335.8	2340.0	2346.5	2352.9	2352.9	2350.8	2346.5	2342.2	2337.9	2335.8
30°	2307.9	2310.0	2314.3	2320.7	2325.0	2331.5	2325.0	2320.7	2314.3	2312.2	2310.0
32.5°	2280.0	2282.1	2288.6	2299.3	2305.7	2310.0	2305.7	2301.4	2290.7	2284.3	2282.1
35°	2260.7	2262.8	2269.3	2284.3	2297.1	2297.1	2297.1	2286.4	2273.6	2262.8	2260.7
37.5°	2262.8	2267.1	2282.1	2303.6	2325.0	2327.2	2325.0	2303.6	2284.3	2267.1	2265.0
40°	2280.0	2284.3	2310.0	2342.2	2370.1	2378.7	2372.2	2342.2	2312.2	2288.6	2282.1
42.5°	2277.8	2284.3	2312.2	2352.9	2380.8	2393.7	2380.8	2352.9	2316.5	2290.7	2282.1
45°	2269.3	2273.6	2303.6	2346.5	2380.8	2393.7	2382.9	2350.8	2310.0	2280.0	2273.6
47.5°	2256.4	2260.7	2284.3	2335.8	2374.4	2387.2	2376.5	2342.2	2290.7	2267.1	2262.8
50°	2239.2	2252.1	2290.7	2344.3	2395.8	2404.4	2398.0	2348.6	2295.0	2260.7	2243.5
52.5°	2256.4	2254.3	2299.3	2395.8	2443.0	2470.9	2449.4	2391.5	2310.0	2265.0	2260.7
55°	2295.0	2312.2	2361.5	2451.6	2528.8	2567.4	2537.4	2458.0	2365.8	2310.0	2299.3
57.5°	2292.9	2314.3	2402.2	2492.3	2610.3	2636.0	2601.7	2503.1	2398.0	2325.0	2297.1
60°	2280.0	2288.6	2355.1	2515.9	2582.4	2612.4	2582.4	2505.2	2372.2	2290.7	2290.7
62.5°	2237.1	2252.1	2357.2	2468.7	2563.1	2610.3	2573.8	2477.3	2355.1	2267.1	2239.2
65°	2209.2	2219.9	2322.9	2473.0	2608.2	2659.6	2599.6	2475.2	2329.3	2226.4	2211.4
67.5°	2121.3	2140.6	2237.1	2400.1	2530.9	2571.7	2548.1	2395.8	2237.1	2142.7	2119.1
70°	1971.1	1981.9	2114.8	2269.3	2389.4	2417.3	2382.9	2284.3	2102.0	1996.9	1964.7
72.5°	1786.7	1801.7	1923.9	2095.5	2211.4	2247.8	2207.1	2102.0	1913.2	1818.8	1788.8
75°	1600.1	1615.1	1694.4	1881.0	1977.6	2029.0	1981.9	1868.2	1698.7	1606.5	1593.6
77.5°	1332.0	1355.6	1477.8	1602.2	1694.4	1748.1	1707.3	1602.2	1469.2	1359.8	1319.1
80°	1046.7	1063.9	1177.5	1286.9	1370.6	1404.9	1385.6	1286.9	1179.7	1068.1	1048.8
82.5°	733.5	744.3	842.9	930.9	1033.8	1033.8	1012.4	948.0	840.8	744.3	748.6
85°	392.5	405.4	480.4	549.1	613.4	613.4	594.1	553.4	478.3	403.2	394.7
87.5°	79.4	87.9	115.8	126.5	150.1	160.9	145.9	133.0	115.8	92.2	92.2
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)