

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: P197652

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197652
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12069.1 lumens
Efficiency: N/A
Efficacy: 111.8 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



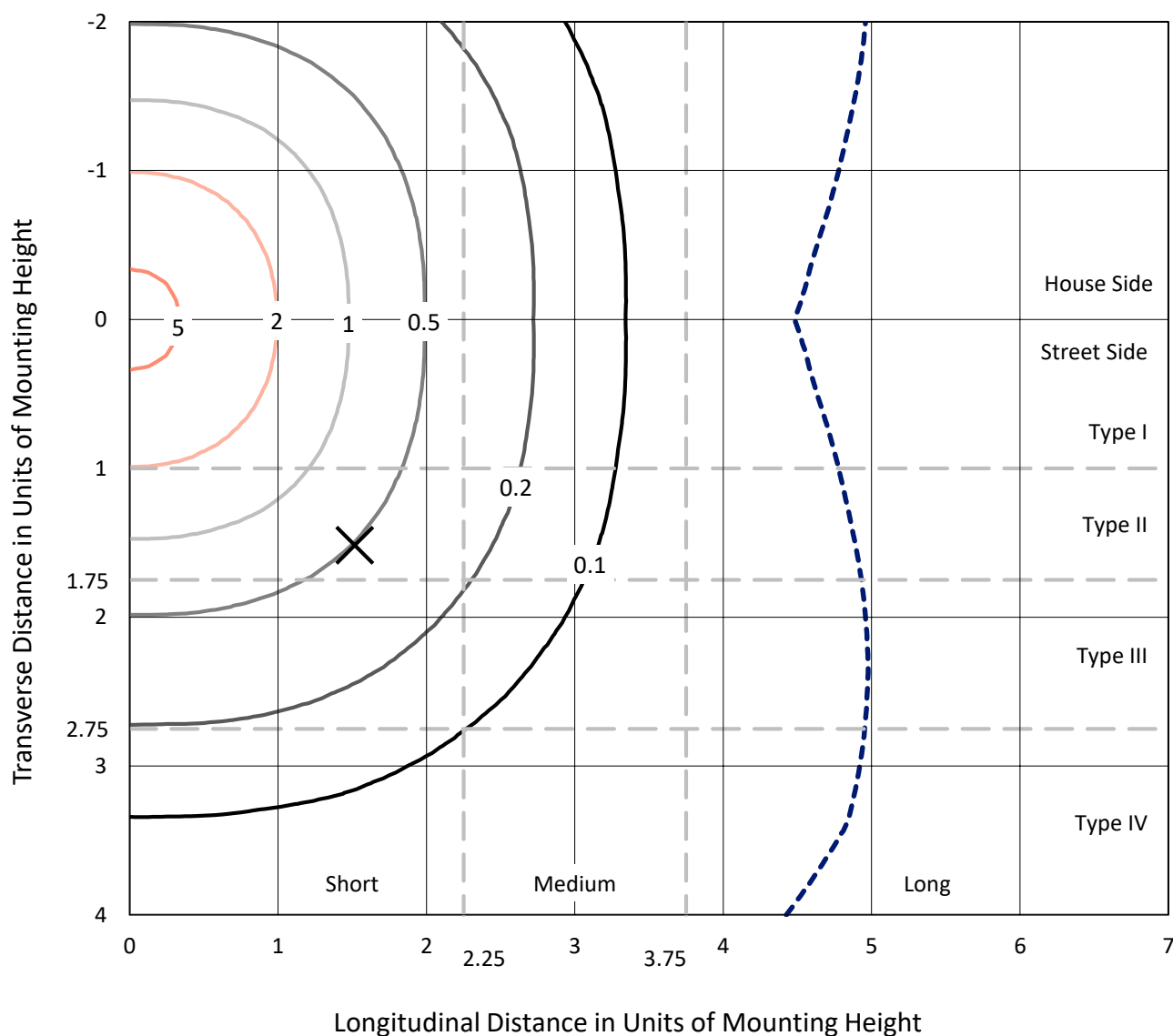
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

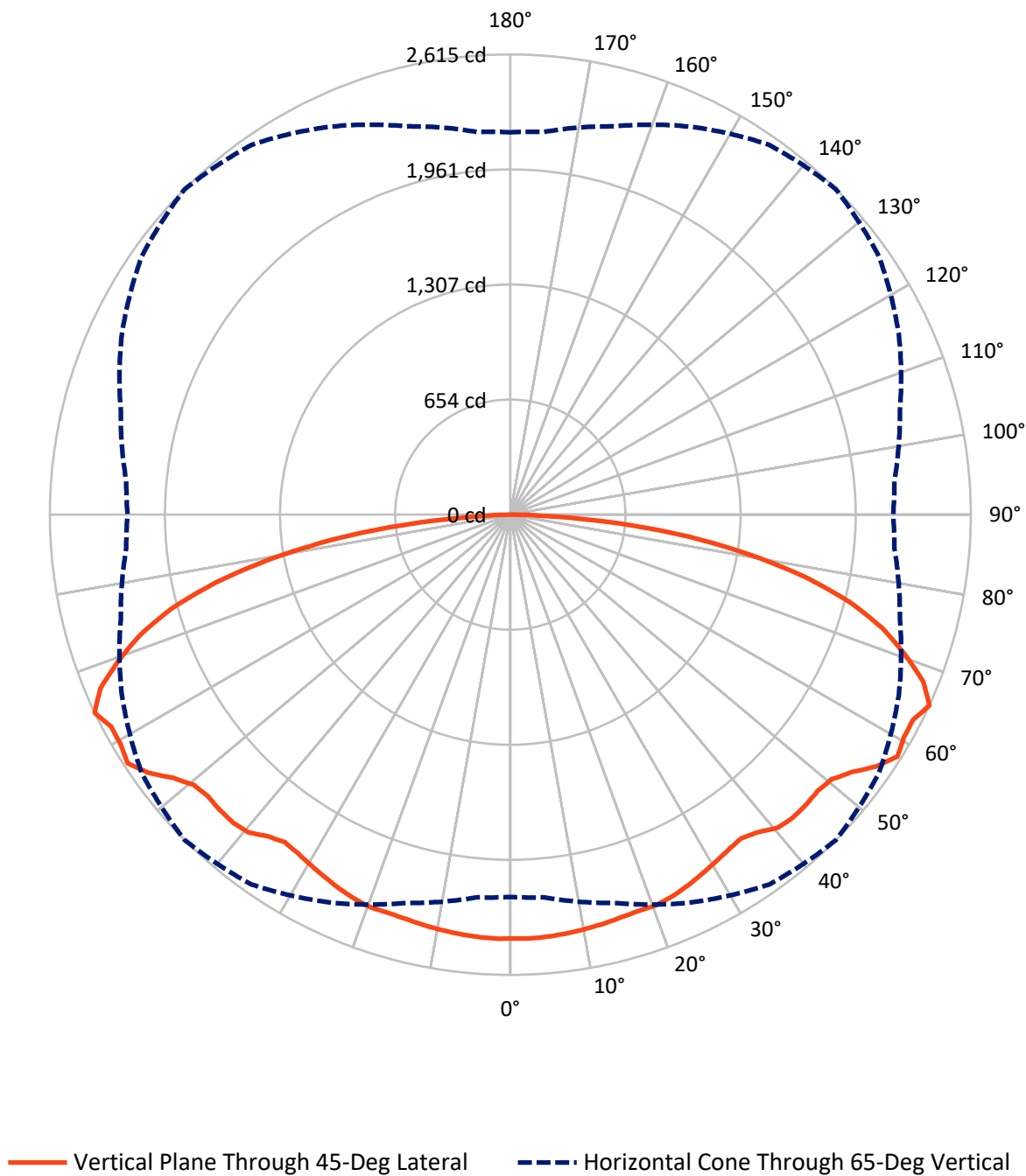


Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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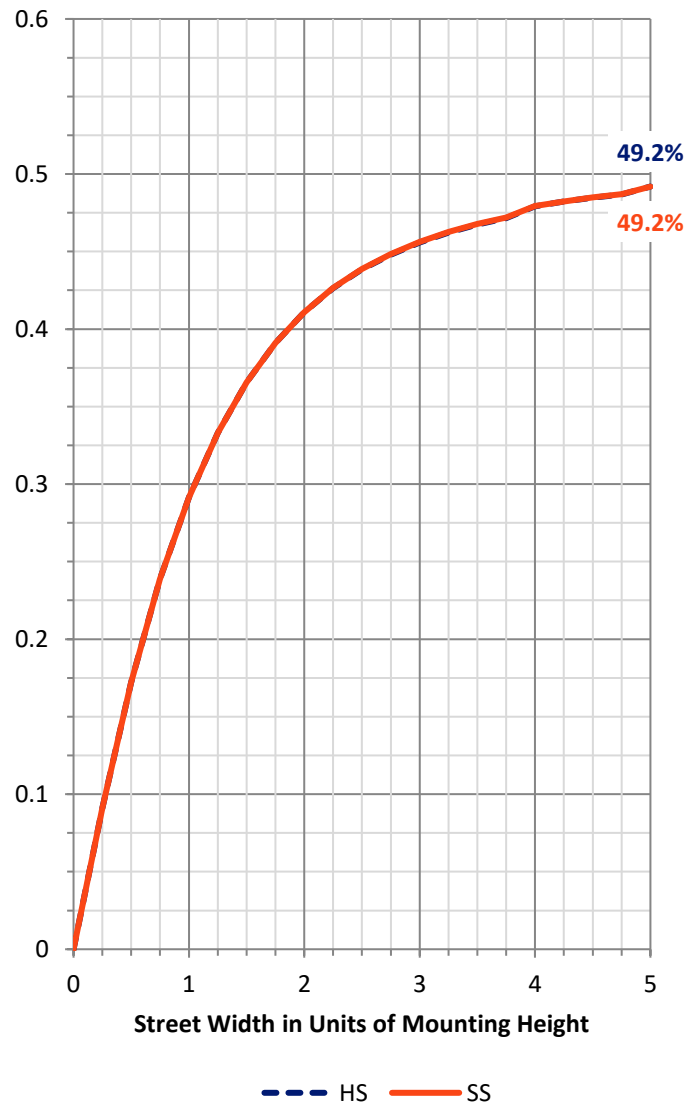
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6034.6	0.0	6034.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6034.6	0.0	6034.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12069.1	0.0	12069.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.2	1.9
10°-20°	672.3	5.6
20°-30°	1075.6	8.9
30°-40°	1420.8	11.8
40°-50°	1776.0	14.7
50°-60°	2132.2	17.7
60°-70°	2330.6	19.3
70°-80°	1851.8	15.3
80°-90°	580.6	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°	12069.1	100.0
0°-180°	12069.1	100.0

Coefficient of Utilization



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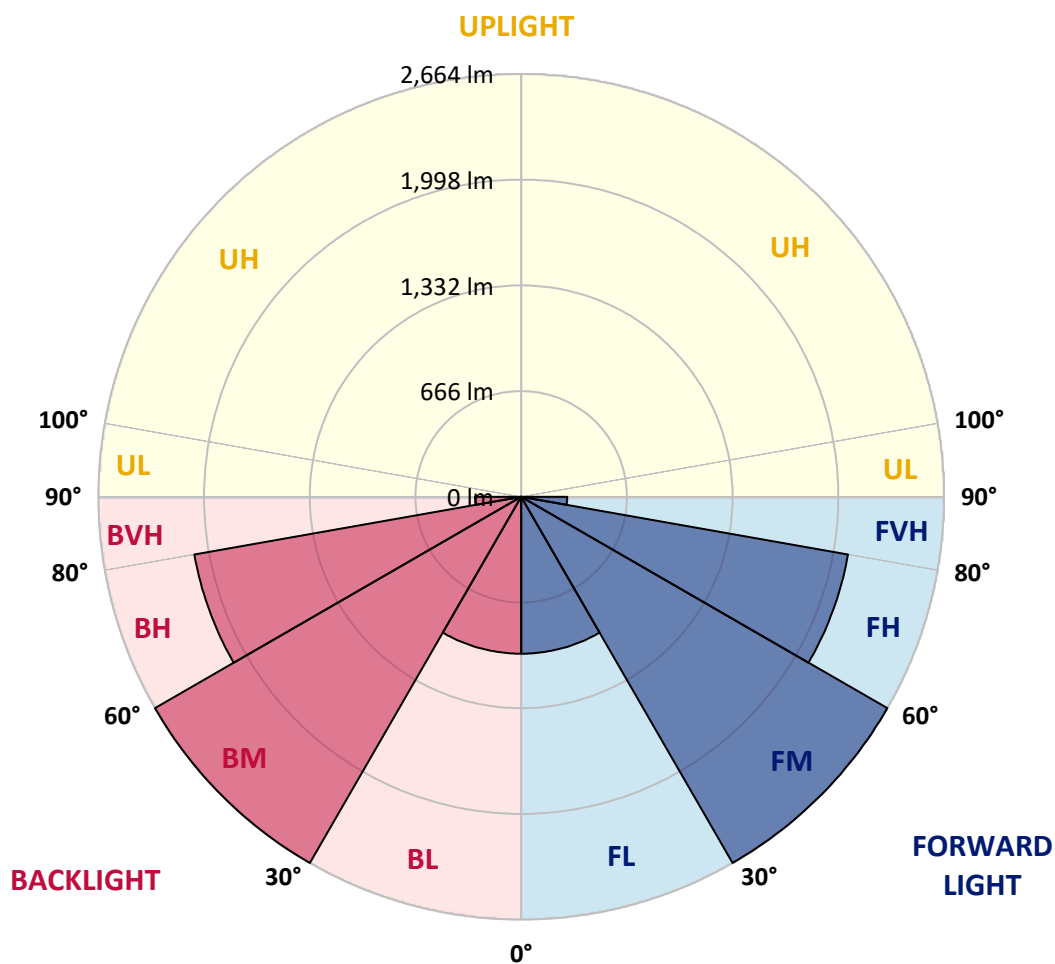
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	988.5	8.2			
FM	(30°-60°)	2664.5	22.1			
FH	(60°-80°)	2091.2	17.3			G2/5000
FVH	(80°-90°)	290.3	2.4			G3/500
BL	(0°-30°)	988.5	8.2	B2/1000		
BM	(30°-60°)	2664.5	22.1	B3/5000		
BH	(60°-80°)	2091.2	17.3	B3/2500		G2/5000
BVH	(80°-90°)	290.3	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°	2407.9	2407.9	2407.9	2407.9	2407.9	2407.9	2407.9	2407.9	2407.9	2407.9	2407.9
2.5°	2410.0	2410.0	2410.0	2410.0	2407.9	2410.0	2407.9	2407.9	2410.0	2410.0	2410.0
5°	2405.8	2405.8	2405.8	2405.8	2405.8	2405.8	2405.8	2405.8	2405.8	2405.8	2405.8
7.5°	2399.5	2399.5	2399.5	2399.5	2399.5	2399.5	2399.5	2399.5	2399.5	2399.5	2399.5
10°	2391.1	2393.2	2393.2	2393.2	2391.1	2391.1	2391.1	2393.2	2393.2	2391.1	2391.1
12.5°	2382.6	2382.6	2384.7	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2380.5
15°	2370.0	2370.0	2372.1	2372.1	2372.1	2372.1	2372.1	2370.0	2370.0	2367.9	2367.9
17.5°	2359.4	2359.4	2363.7	2363.7	2365.8	2365.8	2365.8	2361.6	2361.6	2357.3	2357.3
20°	2357.3	2357.3	2359.4	2363.7	2365.8	2367.9	2365.8	2361.6	2357.3	2353.1	2353.1
22.5°	2342.6	2344.7	2348.9	2351.0	2355.2	2355.2	2355.2	2348.9	2346.8	2342.6	2342.6
25°	2323.6	2321.5	2327.8	2332.0	2336.2	2336.2	2334.1	2329.9	2327.8	2321.5	2321.5
27.5°	2294.1	2296.2	2300.4	2306.7	2313.1	2313.1	2310.9	2306.7	2302.5	2298.3	2296.2
30°	2268.8	2270.9	2275.1	2281.4	2285.6	2292.0	2285.6	2281.4	2275.1	2273.0	2270.9
32.5°	2241.4	2243.5	2249.8	2260.3	2266.7	2270.9	2266.7	2262.5	2251.9	2245.6	2243.5
35°	2222.4	2224.5	2230.8	2245.6	2258.2	2258.2	2258.2	2247.7	2235.0	2224.5	2222.4
37.5°	2224.5	2228.7	2243.5	2264.6	2285.6	2287.8	2285.6	2264.6	2245.6	2228.7	2226.6
40°	2241.4	2245.6	2270.9	2302.5	2329.9	2338.4	2332.0	2302.5	2273.0	2249.8	2243.5
42.5°	2239.3	2245.6	2273.0	2313.1	2340.5	2353.1	2340.5	2313.1	2277.2	2251.9	2243.5
45°	2230.8	2235.0	2264.6	2306.7	2340.5	2353.1	2342.6	2310.9	2270.9	2241.4	2235.0
47.5°	2218.2	2222.4	2245.6	2296.2	2334.1	2346.8	2336.2	2302.5	2251.9	2228.7	2224.5
50°	2201.3	2214.0	2251.9	2304.6	2355.2	2363.7	2357.3	2308.8	2256.1	2222.4	2205.5
52.5°	2218.2	2216.1	2260.3	2355.2	2401.6	2429.0	2407.9	2351.0	2270.9	2226.6	2222.4
55°	2256.1	2273.0	2321.5	2410.0	2486.0	2523.9	2494.4	2416.4	2325.7	2270.9	2260.3
57.5°	2254.0	2275.1	2361.6	2450.1	2566.1	2591.4	2557.6	2460.7	2357.3	2285.6	2258.2
60°	2241.4	2249.8	2315.2	2473.3	2538.7	2568.2	2538.7	2462.8	2332.0	2251.9	2251.9
62.5°	2199.2	2214.0	2317.3	2426.9	2519.7	2566.1	2530.2	2435.4	2315.2	2228.7	2201.3
65°	2171.8	2182.3	2283.5	2431.1	2564.0	2614.6	2555.5	2433.2	2289.9	2188.7	2173.9
67.5°	2085.3	2104.3	2199.2	2359.4	2488.1	2528.1	2504.9	2355.2	2199.2	2106.4	2083.2
70°	1937.7	1948.3	2079.0	2230.8	2348.9	2376.3	2342.6	2245.6	2066.4	1963.0	1931.4
72.5°	1756.4	1771.2	1891.3	2060.0	2173.9	2209.7	2169.7	2066.4	1880.8	1788.0	1758.5
75°	1573.0	1587.7	1665.7	1849.2	1944.1	1994.7	1948.3	1836.5	1670.0	1579.3	1566.6
77.5°	1309.4	1332.6	1452.8	1575.1	1665.7	1718.5	1678.4	1575.1	1444.3	1336.8	1296.7
80°	1029.0	1045.8	1157.6	1265.1	1347.3	1381.1	1362.1	1265.1	1159.7	1050.0	1031.1
82.5°	721.1	731.7	828.7	915.1	1016.3	1016.3	995.2	932.0	826.5	731.7	735.9
85°	385.9	398.5	472.3	539.8	603.0	603.0	584.1	544.0	470.2	396.4	388.0
87.5°	78.0	86.4	113.9	124.4	147.6	158.1	143.4	130.7	113.9	90.7	90.7
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)