

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: P197679

Luminaire Tested: **TT-C1-LED-E1-5MQ-PM-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115363)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-5MQ-PM-CG-MS/DIM-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3224.4 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 28
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

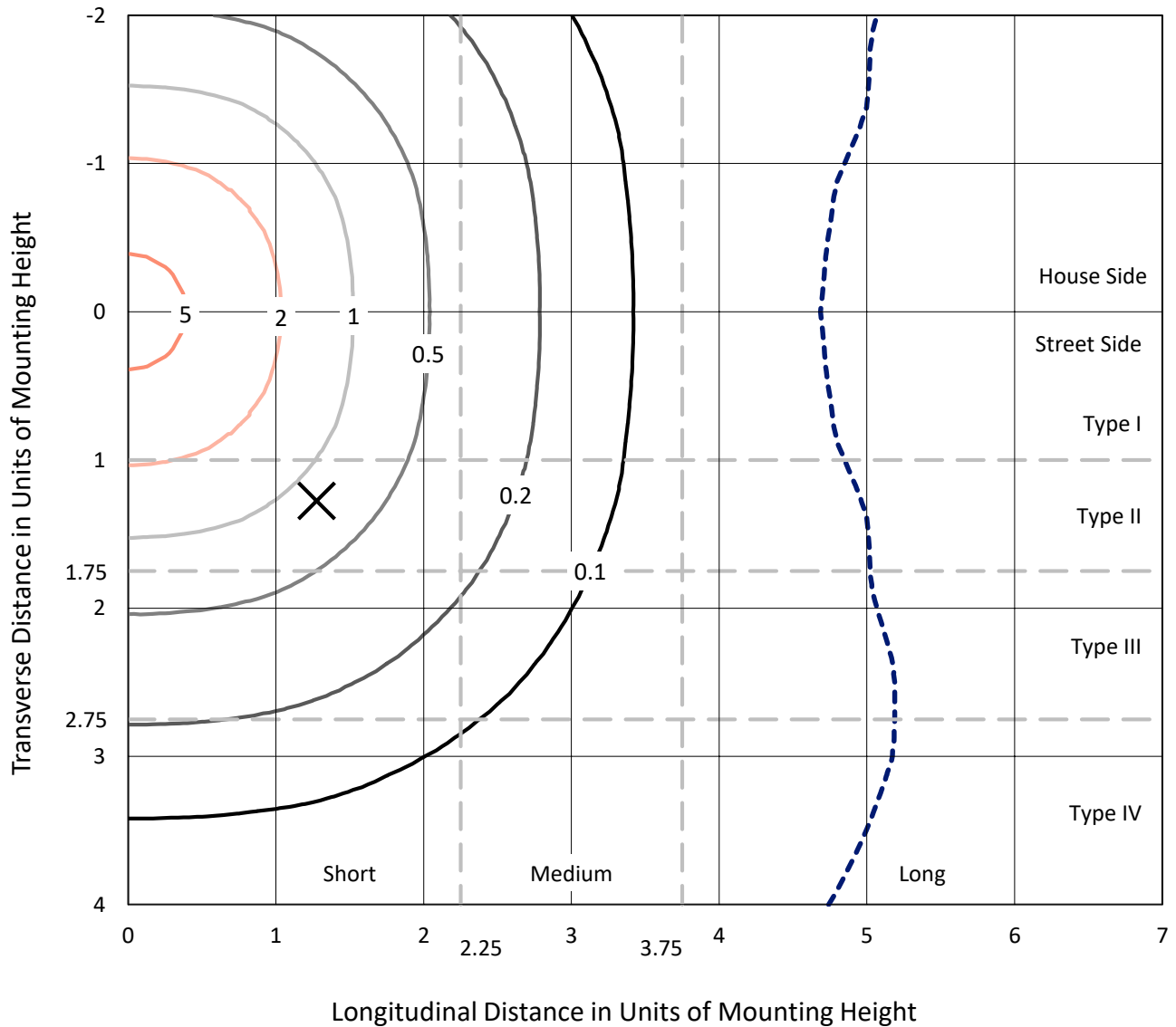


REPORT NUMBER: P197679

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

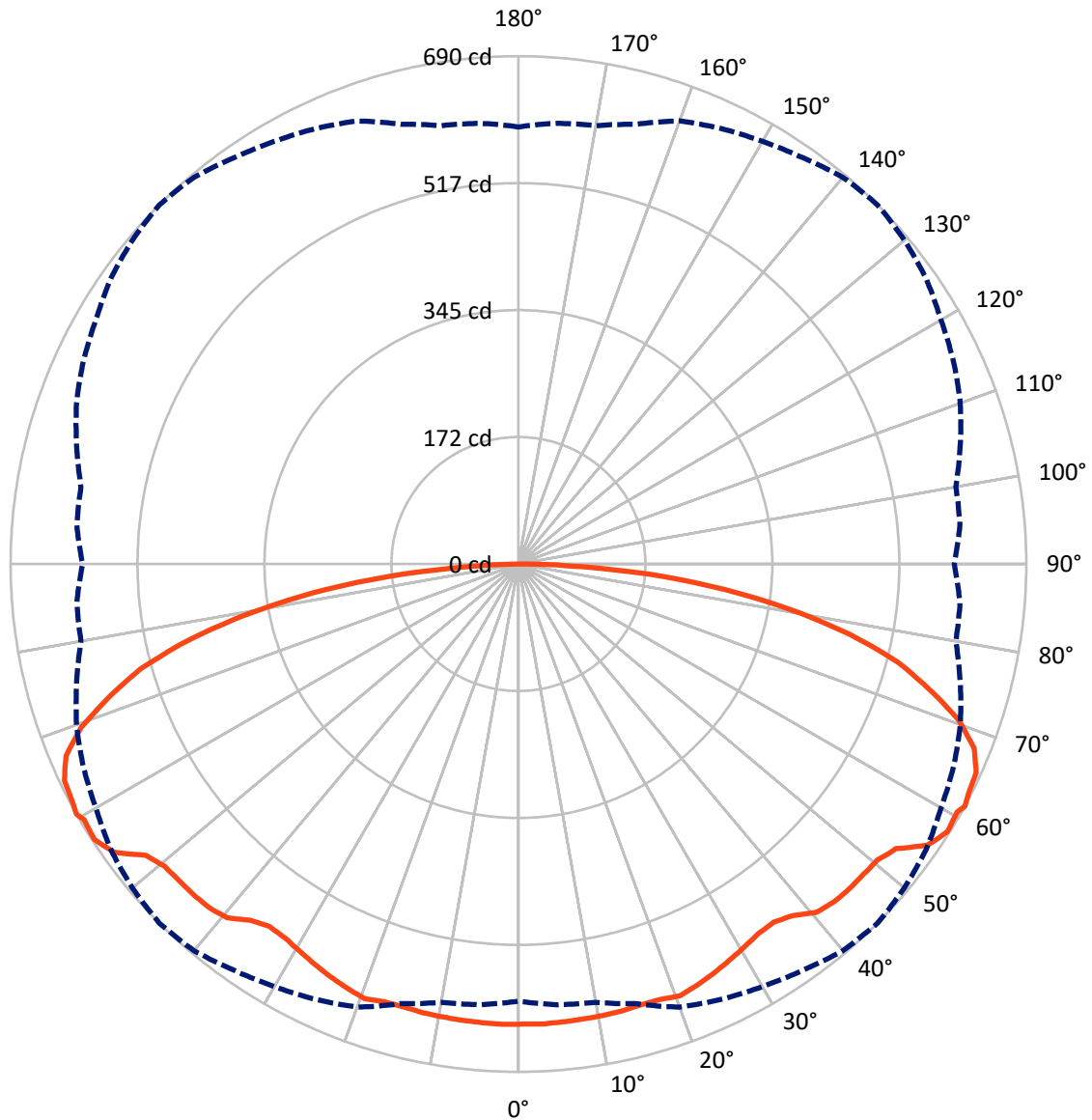


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P197679

CATALOG NUMBER: TT-C1-LED-E1-5MQ-PM-CG-MS/DIM-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 61-Deg Vertical

REPORT NUMBER: P197679

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1612.2	0.0	1612.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1612.2	0.0	1612.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3224.4	0.0	3224.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.8
10°-20°	176.2	5.5
20°-30°	283.5	8.8
30°-40°	375.6	11.6
40°-50°	474.3	14.7
50°-60°	568.3	17.6
60°-70°	621.4	19.3
70°-80°	497.4	15.4
80°-90°	168.3	5.2
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°	3224.4	100.0
0°-180°	3224.4	100.0



REPORT NUMBER: P197679

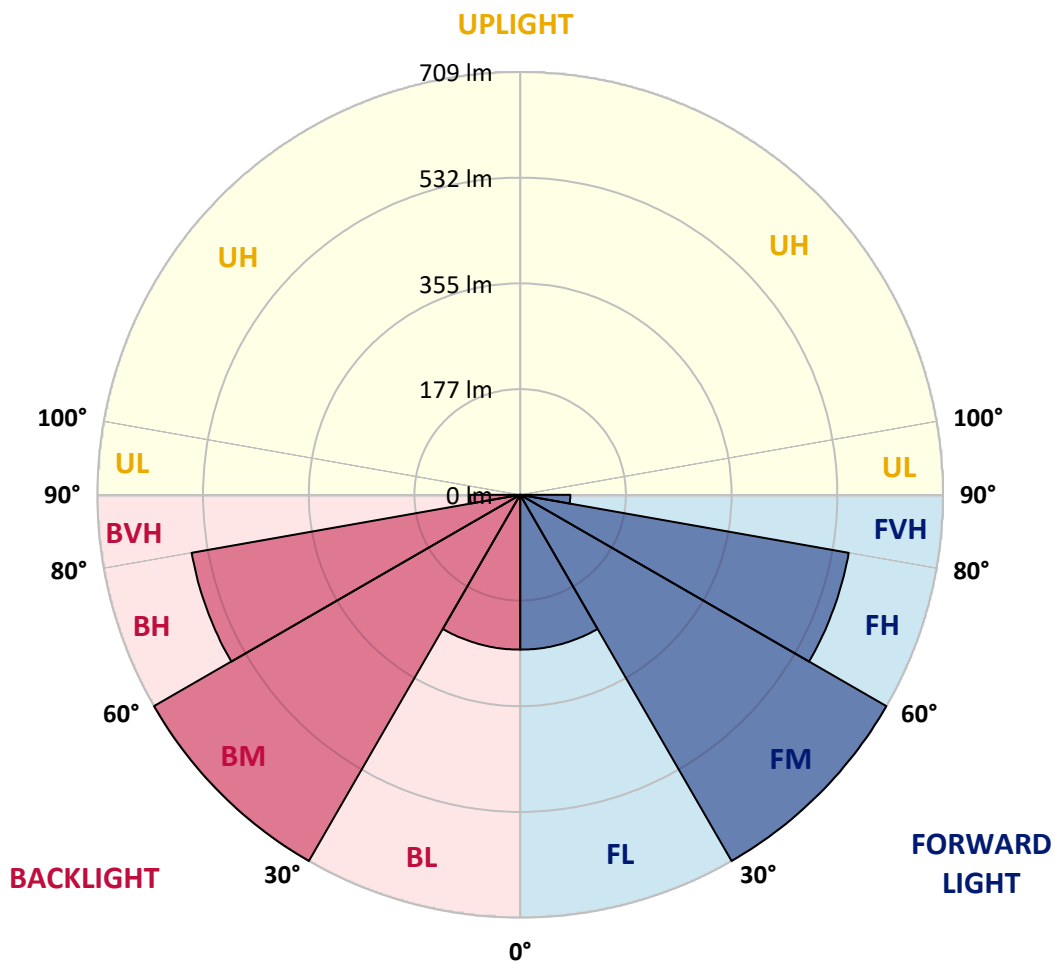
CATALOG NUMBER: TT-C1-LED-E1-5MQ-PM-CG-MS/DIM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.6	8.1			
FM	(30°-60°)	709.0	22.0			
FH	(60°-80°)	559.4	17.3			G0/660
FVH	(80°-90°)	84.1	2.6			G1/100
BL	(0°-30°)	259.6	8.1	B1/500		
BM	(30°-60°)	709.0	22.0	B1/1000		
BH	(60°-80°)	559.4	17.3	B2/1000		G0/660
BVH	(80°-90°)	84.1	2.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P197679

CATALOG NUMBER: TT-C1-LED-E1-5MQ-PM-CG-MS/DIM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7
2.5°	625.3	624.7	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
5°	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7
7.5°	624.1	624.1	624.1	624.1	624.1	624.1	624.1	624.1	624.7	624.1	624.7
10°	622.9	622.9	622.9	622.9	623.5	623.5	623.5	623.5	623.5	623.5	623.5
12.5°	621.7	621.7	621.7	621.7	622.3	622.3	622.3	622.3	622.9	622.9	622.3
15°	620.5	619.9	619.9	620.5	620.5	621.1	621.1	621.1	621.7	621.1	621.1
17.5°	619.3	618.7	619.3	619.9	619.9	620.5	621.1	621.1	621.7	621.7	621.7
20°	621.1	620.5	621.1	621.7	622.3	623.5	624.1	624.7	625.3	625.9	625.9
22.5°	617.5	616.9	617.5	617.5	618.1	618.7	619.9	620.5	621.1	621.1	621.1
25°	612.1	612.1	612.7	612.7	613.3	613.9	614.5	615.1	615.1	615.7	615.1
27.5°	606.1	606.1	606.7	606.7	607.9	607.9	608.5	609.1	609.7	609.7	609.7
30°	598.9	598.9	599.5	600.1	601.3	601.9	602.5	603.1	603.7	603.7	603.7
32.5°	592.3	591.7	592.3	593.5	595.3	596.5	597.7	598.3	598.3	598.3	598.9
35°	586.8	587.5	588.6	589.9	592.3	593.5	594.7	596.5	597.1	597.1	597.1
37.5°	588.1	588.6	590.5	592.9	595.9	599.5	601.9	604.3	606.1	605.5	604.9
40°	595.9	597.1	600.1	603.7	608.5	613.3	616.9	619.9	621.7	622.3	621.7
42.5°	597.1	598.3	600.7	606.1	611.5	616.9	621.7	624.7	627.1	627.7	627.1
45°	596.5	596.5	600.1	606.1	611.5	616.9	622.9	627.1	629.5	629.5	629.5
47.5°	592.3	594.1	596.5	602.5	609.7	615.1	621.1	625.3	628.3	630.1	628.3
50°	592.3	592.3	596.5	600.7	607.3	616.9	625.3	629.5	632.5	631.9	632.5
52.5°	591.1	594.7	597.1	603.1	615.1	624.7	631.3	637.3	641.5	642.1	640.9
55°	601.9	602.5	607.9	619.3	630.7	641.5	653.6	662.6	669.8	674.0	668.0
57.5°	610.3	607.3	618.1	627.7	640.9	657.2	675.2	682.4	687.8	686.6	688.4
60°	598.9	603.1	610.9	621.1	642.1	658.3	668.0	675.8	682.4	684.2	681.8
61°	593.5	600.7	604.3	618.1	640.3	652.3	662.6	673.4	685.4	689.6	684.2
62.5°	584.5	595.9	594.7	616.9	630.7	644.6	663.7	676.3	684.8	686.0	684.8
65°	585.0	583.2	597.1	613.3	627.1	651.8	668.0	675.8	680.6	683.0	681.8
67.5°	565.9	559.8	576.7	588.1	611.5	630.7	646.4	657.7	665.0	667.3	664.4
70°	521.4	525.6	537.6	555.1	574.2	597.7	612.1	627.1	633.1	633.7	633.7
72.5°	478.7	481.1	493.2	509.4	531.6	552.0	566.4	578.5	583.9	584.5	585.7
75°	422.3	424.7	438.5	453.5	475.7	493.2	503.4	517.8	525.6	532.2	526.8
77.5°	356.8	361.0	371.8	388.0	408.5	418.1	436.1	452.9	458.3	460.1	458.3
80°	282.9	288.3	297.9	319.6	328.6	344.2	361.6	368.8	373.6	374.8	375.4
82.5°	203.6	207.9	218.0	233.1	243.3	255.9	267.9	276.9	282.3	281.1	280.5
85°	120.2	121.3	132.1	142.4	150.2	158.0	167.6	174.2	175.4	177.8	177.2
87.5°	36.1	36.6	41.5	46.9	50.5	54.1	60.1	67.9	69.7	64.9	65.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P197679

CATALOG NUMBER: TT-C1-LED-E1-5MQ-PM-CG-MS/DIM-7050

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7
2.5°	625.3	625.3	625.3	625.3	625.3	625.3	624.7	625.3
5°	624.7	624.7	624.7	624.7	624.7	624.7	624.7	624.7
7.5°	624.7	624.1	624.1	624.1	624.1	624.1	624.1	624.1
10°	623.5	623.5	623.5	623.5	622.9	622.9	622.9	622.9
12.5°	622.3	622.3	622.3	622.3	621.7	621.7	621.7	621.7
15°	621.1	621.1	621.1	621.1	620.5	620.5	620.5	620.5
17.5°	621.7	621.1	620.5	620.5	619.9	619.3	619.3	619.3
20°	625.3	624.7	623.5	622.3	621.7	621.1	621.1	621.1
22.5°	620.5	619.9	618.7	618.1	618.1	617.5	616.9	616.9
25°	615.1	613.9	613.9	613.3	613.3	612.1	612.1	611.5
27.5°	609.1	608.5	607.9	607.3	607.3	606.7	606.1	605.5
30°	603.7	602.5	601.3	600.7	600.1	599.5	599.5	599.5
32.5°	598.3	597.1	596.5	594.7	593.5	592.9	592.3	592.3
35°	596.5	594.7	593.5	591.7	589.9	588.6	588.1	586.8
37.5°	603.7	601.3	599.5	596.5	592.3	590.5	588.6	588.1
40°	619.3	616.9	613.3	608.5	603.7	600.1	597.1	595.9
42.5°	624.7	621.7	616.9	612.1	606.1	600.7	598.3	597.1
45°	626.5	623.5	616.9	610.9	605.5	600.7	597.1	595.9
47.5°	624.7	620.5	614.5	609.7	601.9	595.9	593.5	591.7
50°	628.9	625.3	617.5	606.7	600.1	596.5	592.3	591.7
52.5°	637.3	630.7	623.5	615.7	603.1	595.9	593.5	590.5
55°	662.6	653.6	640.9	628.3	620.5	609.1	601.9	601.9
57.5°	681.8	674.5	658.3	641.5	627.1	618.7	607.9	608.5
60°	676.3	666.8	659.0	642.1	621.7	610.3	606.1	598.3
61°	675.8	662.6	651.8	638.5	621.1	603.1	601.9	591.7
62.5°	677.0	665.0	644.6	630.7	617.5	594.1	593.5	583.9
65°	675.8	664.4	654.1	628.3	610.3	600.7	580.3	588.1
67.5°	657.2	646.9	628.3	613.9	586.3	574.2	562.8	562.8
70°	627.7	612.7	594.7	576.7	558.0	537.6	527.4	521.4
72.5°	578.5	565.9	551.4	532.2	509.4	490.8	481.1	476.9
75°	516.6	502.8	490.1	475.7	451.7	436.1	425.9	422.9
77.5°	451.7	439.7	417.5	403.7	387.4	369.4	360.4	356.8
80°	368.8	362.2	346.6	324.4	316.5	294.3	288.3	282.9
82.5°	276.9	269.7	255.3	239.7	230.1	217.4	206.6	205.4
85°	174.2	169.4	160.4	149.0	137.0	129.7	120.2	122.5
87.5°	64.9	61.9	56.5	49.3	43.8	39.0	34.3	36.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)