

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: P197677

Luminaire Tested: **TT-C1-LED-E1-5MQ-PM-CG-MS/DIM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197677  
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-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2913.1 lumens  
Efficiency: N/A  
Efficacy: 104.0 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

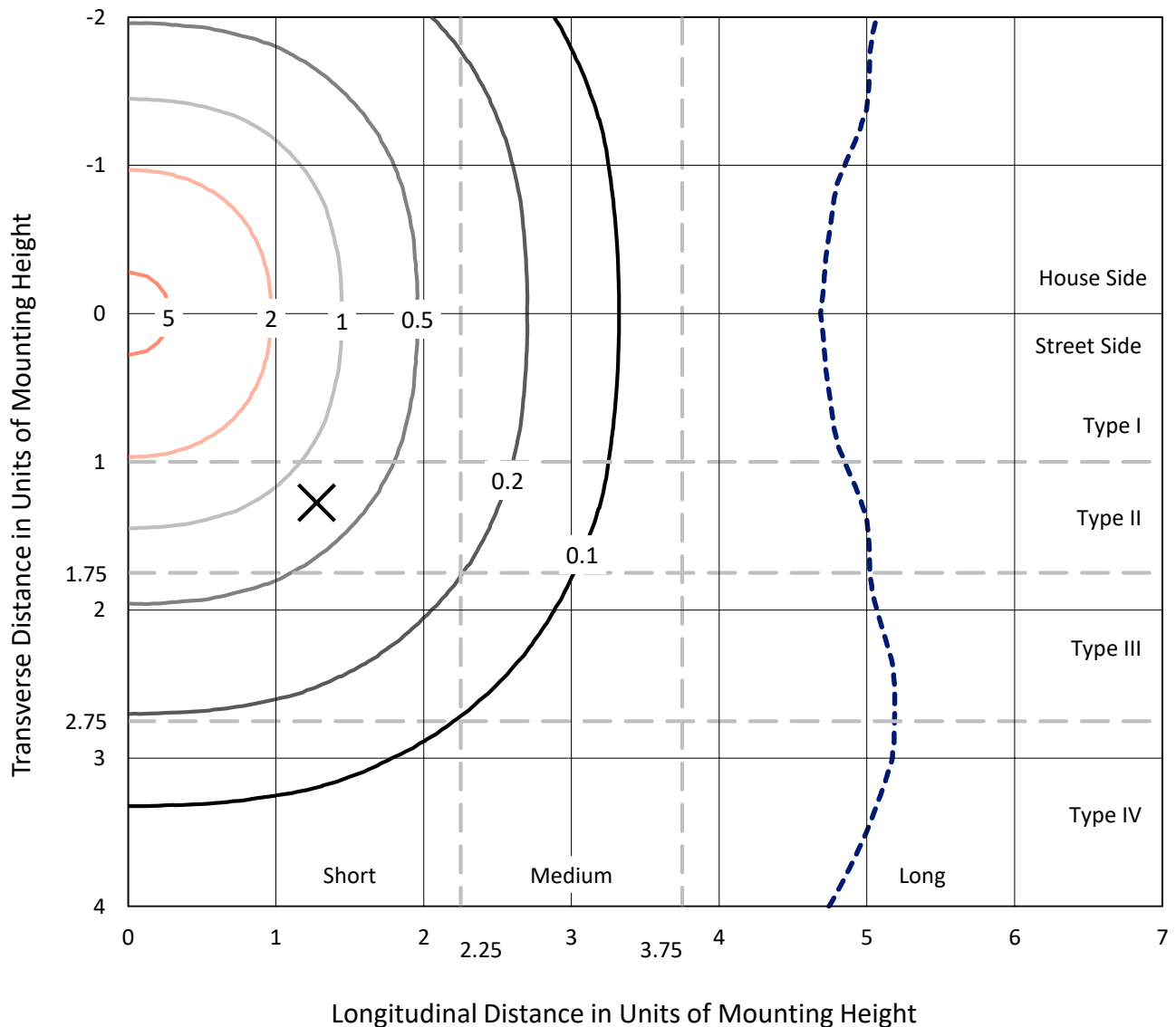


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

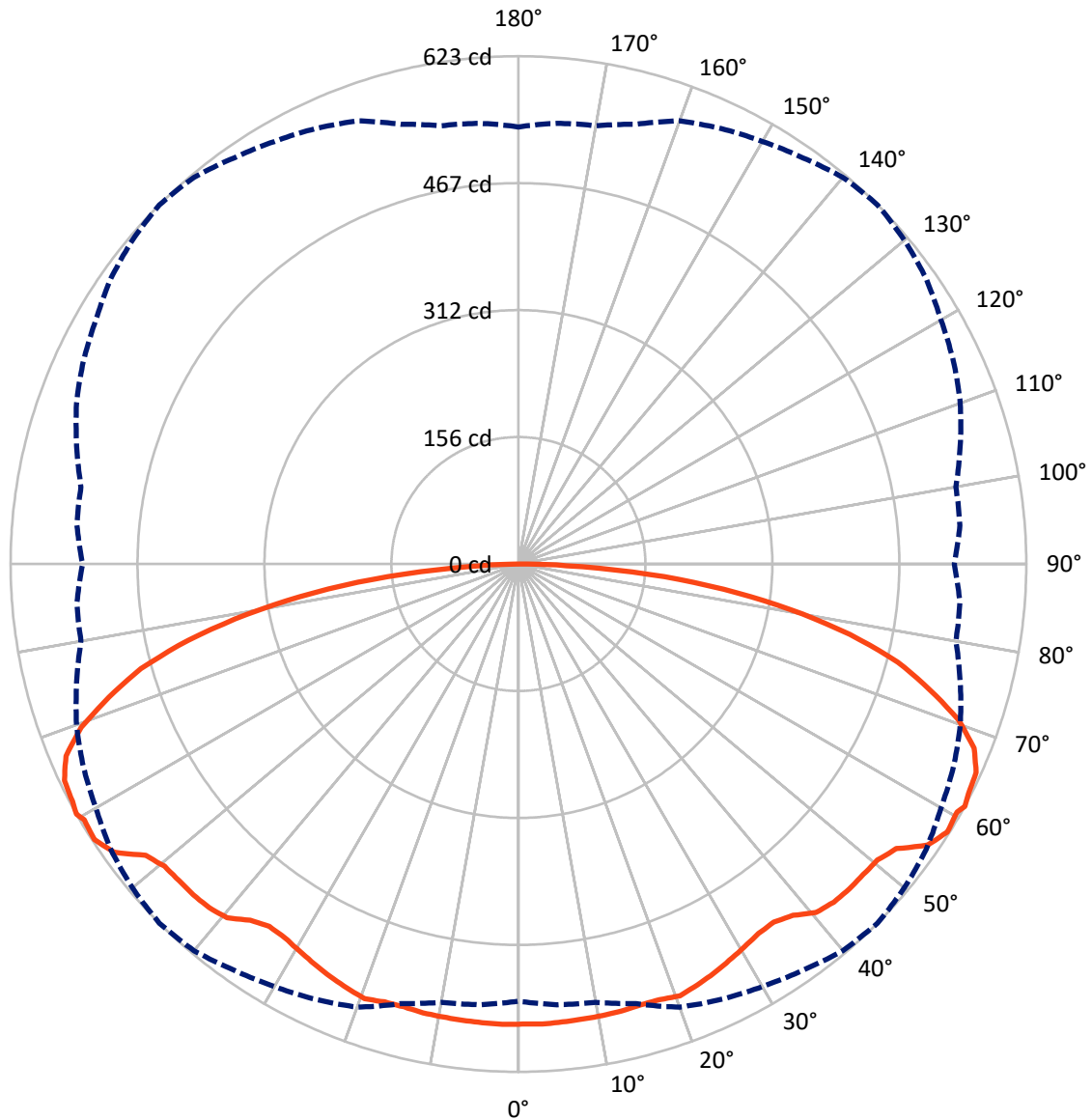


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1456.5	0.0	1456.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1456.5	0.0	1456.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2913.1	0.0	2913.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	1.8
10°-20°	159.2	5.5
20°-30°	256.1	8.8
30°-40°	339.3	11.6
40°-50°	428.5	14.7
50°-60°	513.4	17.6
60°-70°	561.4	19.3
70°-80°	449.4	15.4
80°-90°	152.0	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°	2913.1	100.0
0°-180°	2913.1	100.0



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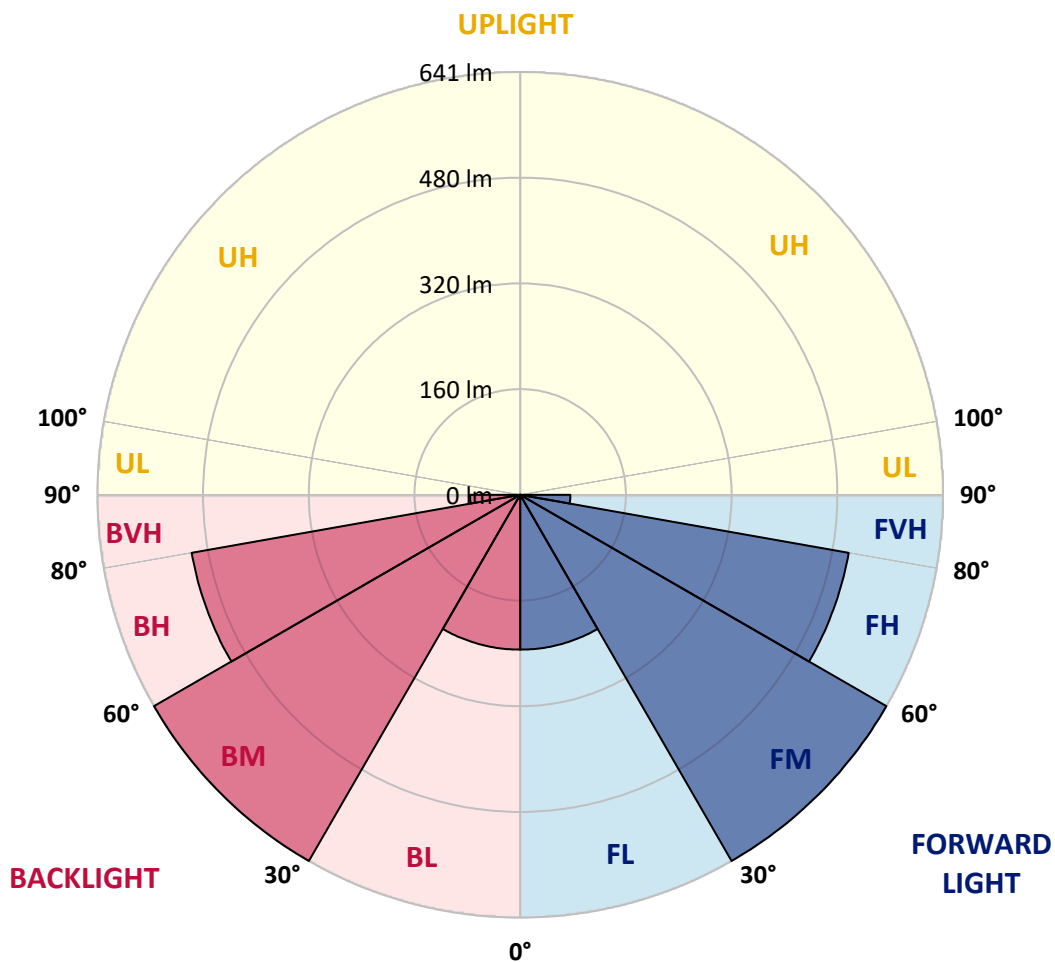
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.6	8.1			
FM (30°-60°)	640.6	22.0			
FH (60°-80°)	505.4	17.3			G0/660
FVH (80°-90°)	76.0	2.6			G1/100
BL (0°-30°)	234.6	8.1	B1/500		
BM (30°-60°)	640.6	22.0	B1/1000		
BH (60°-80°)	505.4	17.3	B2/1000		G0/660
BVH (80°-90°)	76.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4
2.5°	564.9	564.4	564.9	564.9	564.9	564.9	564.9	564.9	564.9	564.9	564.9
5°	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4
7.5°	563.8	563.8	563.8	563.8	563.8	563.8	563.8	563.8	564.4	563.8	564.4
10°	562.8	562.8	562.8	562.8	563.3	563.3	563.3	563.3	563.3	563.3	563.3
12.5°	561.7	561.7	561.7	561.7	562.2	562.2	562.2	562.2	562.8	562.8	562.2
15°	560.6	560.1	560.1	560.6	560.6	561.1	561.1	561.1	561.7	561.1	561.1
17.5°	559.5	558.9	559.5	560.1	560.1	560.6	561.1	561.1	561.7	561.7	561.7
20°	561.1	560.6	561.1	561.7	562.2	563.3	563.8	564.4	564.9	565.5	565.5
22.5°	557.9	557.3	557.9	557.9	558.4	558.9	560.1	560.6	561.1	561.1	561.1
25°	553.0	553.0	553.6	553.6	554.1	554.6	555.2	555.7	555.7	556.3	555.7
27.5°	547.6	547.6	548.1	548.1	549.2	549.2	549.7	550.3	550.8	550.8	550.8
30°	541.1	541.1	541.6	542.1	543.2	543.7	544.3	544.9	545.4	545.4	545.4
32.5°	535.1	534.6	535.1	536.2	537.8	538.9	540.0	540.5	540.5	540.5	541.1
35°	530.2	530.7	531.8	532.9	535.1	536.2	537.2	538.9	539.4	539.4	539.4
37.5°	531.3	531.8	533.5	535.6	538.4	541.6	543.7	545.9	547.6	547.0	546.5
40°	538.4	539.4	542.1	545.4	549.7	554.1	557.3	560.1	561.7	562.2	561.7
42.5°	539.4	540.5	542.7	547.6	552.4	557.3	561.7	564.4	566.6	567.1	566.6
45°	538.9	538.9	542.1	547.6	552.4	557.3	562.8	566.6	568.8	568.8	568.8
47.5°	535.1	536.7	538.9	544.3	550.8	555.7	561.1	564.9	567.6	569.3	567.6
50°	535.1	535.1	538.9	542.7	548.6	557.3	564.9	568.8	571.4	570.9	571.4
52.5°	534.0	537.2	539.4	544.9	555.7	564.4	570.4	575.8	579.6	580.1	579.0
55°	543.7	544.3	549.2	559.5	569.8	579.6	590.5	598.6	605.1	608.9	603.5
57.5°	551.4	548.6	558.4	567.1	579.0	593.7	610.0	616.5	621.4	620.3	621.9
60°	541.1	544.9	551.9	561.1	580.1	594.8	603.5	610.5	616.5	618.1	616.0
61°	536.2	542.7	545.9	558.4	578.5	589.3	598.6	608.3	619.2	623.0	618.1
62.5°	528.0	538.4	537.2	557.3	569.8	582.3	599.7	611.0	618.7	619.7	618.7
65°	528.5	526.9	539.4	554.1	566.6	588.8	603.5	610.5	614.8	617.0	616.0
67.5°	511.2	505.8	521.0	531.3	552.4	569.8	584.0	594.2	600.8	602.9	600.2
70°	471.1	474.8	485.7	501.5	518.8	540.0	553.0	566.6	572.0	572.5	572.5
72.5°	432.5	434.7	445.6	460.2	480.3	498.7	511.7	522.6	527.5	528.0	529.1
75°	381.5	383.7	396.2	409.7	429.8	445.6	454.8	467.8	474.8	480.8	476.0
77.5°	322.4	326.1	335.9	350.6	369.0	377.7	394.0	409.2	414.0	415.7	414.0
80°	255.6	260.5	269.2	288.7	296.9	311.0	326.7	333.2	337.6	338.6	339.2
82.5°	184.0	187.8	197.0	210.6	219.8	231.2	242.0	250.2	255.1	254.0	253.5
85°	108.6	109.6	119.4	128.6	135.7	142.7	151.4	157.4	158.5	160.7	160.1
87.5°	32.6	33.1	37.5	42.3	45.6	48.8	54.3	61.3	63.0	58.6	59.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4
2.5°	564.9	564.9	564.9	564.9	564.9	564.9	564.4	564.9
5°	564.4	564.4	564.4	564.4	564.4	564.4	564.4	564.4
7.5°	564.4	563.8	563.8	563.8	563.8	563.8	563.8	563.8
10°	563.3	563.3	563.3	563.3	562.8	562.8	562.8	562.8
12.5°	562.2	562.2	562.2	562.2	561.7	561.7	561.7	561.7
15°	561.1	561.1	561.1	561.1	560.6	560.6	560.6	560.6
17.5°	561.7	561.1	560.6	560.6	560.1	559.5	559.5	559.5
20°	564.9	564.4	563.3	562.2	561.7	561.1	561.1	561.1
22.5°	560.6	560.1	558.9	558.4	558.4	557.9	557.3	557.3
25°	555.7	554.6	554.6	554.1	554.1	553.0	553.0	552.4
27.5°	550.3	549.7	549.2	548.6	548.6	548.1	547.6	547.0
30°	545.4	544.3	543.2	542.7	542.1	541.6	541.6	541.6
32.5°	540.5	539.4	538.9	537.2	536.2	535.6	535.1	535.1
35°	538.9	537.2	536.2	534.6	532.9	531.8	531.3	530.2
37.5°	545.4	543.2	541.6	538.9	535.1	533.5	531.8	531.3
40°	559.5	557.3	554.1	549.7	545.4	542.1	539.4	538.4
42.5°	564.4	561.7	557.3	553.0	547.6	542.7	540.5	539.4
45°	566.0	563.3	557.3	551.9	547.0	542.7	539.4	538.4
47.5°	564.4	560.6	555.2	550.8	543.7	538.4	536.2	534.6
50°	568.2	564.9	557.9	548.1	542.1	538.9	535.1	534.6
52.5°	575.8	569.8	563.3	556.3	544.9	538.4	536.2	533.5
55°	598.6	590.5	579.0	567.6	560.6	550.3	543.7	543.7
57.5°	616.0	609.4	594.8	579.6	566.6	558.9	549.2	549.7
60°	611.0	602.4	595.3	580.1	561.7	551.4	547.6	540.5
61°	610.5	598.6	588.8	576.9	561.1	544.9	543.7	534.6
62.5°	611.6	600.8	582.3	569.8	557.9	536.7	536.2	527.5
65°	610.5	600.2	591.0	567.6	551.4	542.7	524.2	531.3
67.5°	593.7	584.5	567.6	554.6	529.7	518.8	508.5	508.5
70°	567.1	553.6	537.2	521.0	504.2	485.7	476.5	471.1
72.5°	522.6	511.2	498.2	480.8	460.2	443.4	434.7	430.9
75°	466.7	454.3	442.8	429.8	408.1	394.0	384.8	382.0
77.5°	408.1	397.2	377.1	364.7	350.0	333.8	325.6	322.4
80°	333.2	327.2	313.1	293.0	286.0	265.9	260.5	255.6
82.5°	250.2	243.6	230.6	216.6	207.9	196.4	186.7	185.6
85°	157.4	153.0	144.9	134.6	123.8	117.2	108.6	110.7
87.5°	58.6	55.9	51.0	44.5	39.6	35.3	31.0	32.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)