

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: P197612

Luminaire Tested: **TT-C2-LED-E1-MQ-MS/DIM-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115333)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C2-LED-E1-MQ-MS/DIM-7060  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (168) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4308.7 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 34  
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

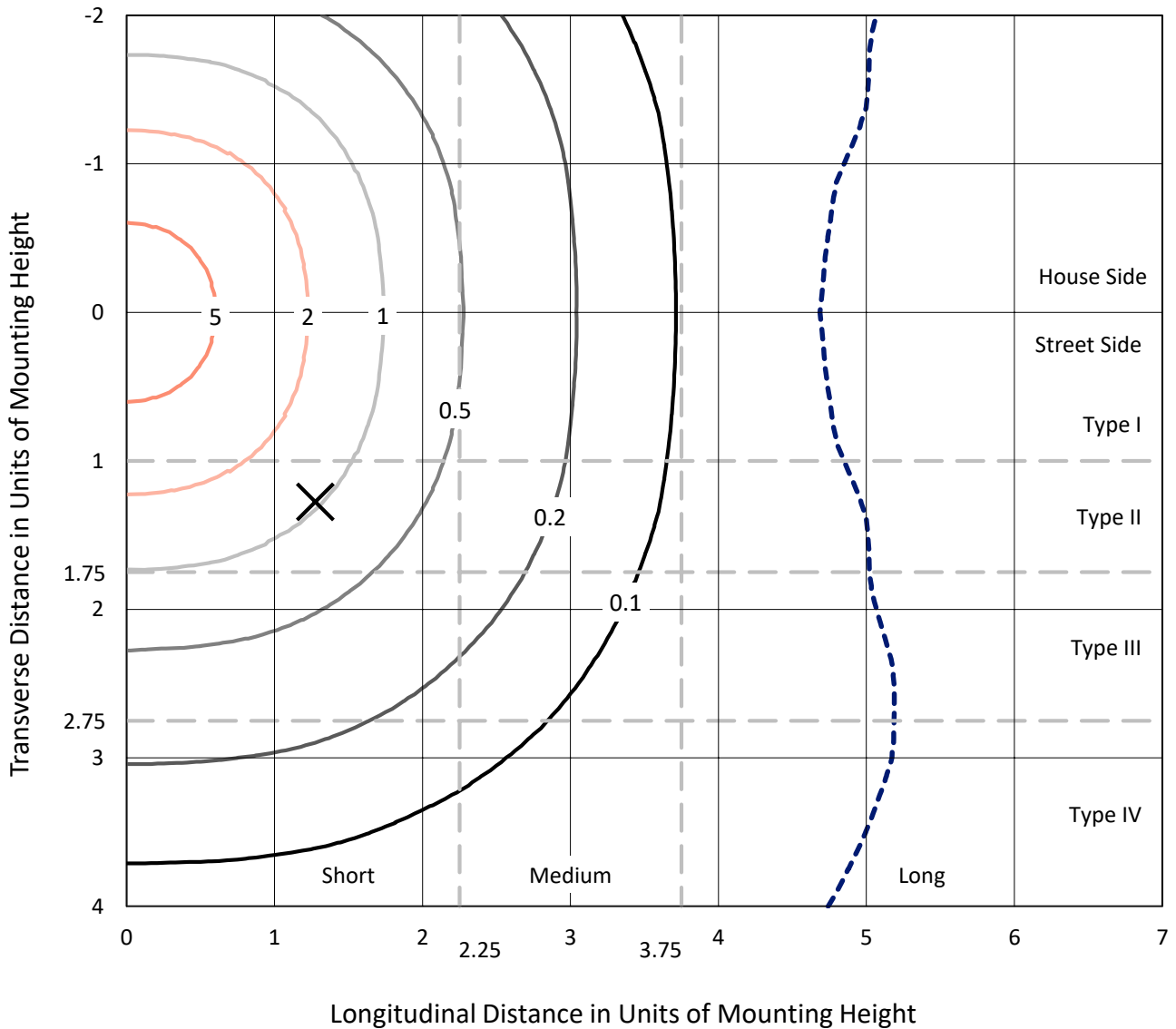


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### Iso-Footcandle Lines of Horizontal Illumination

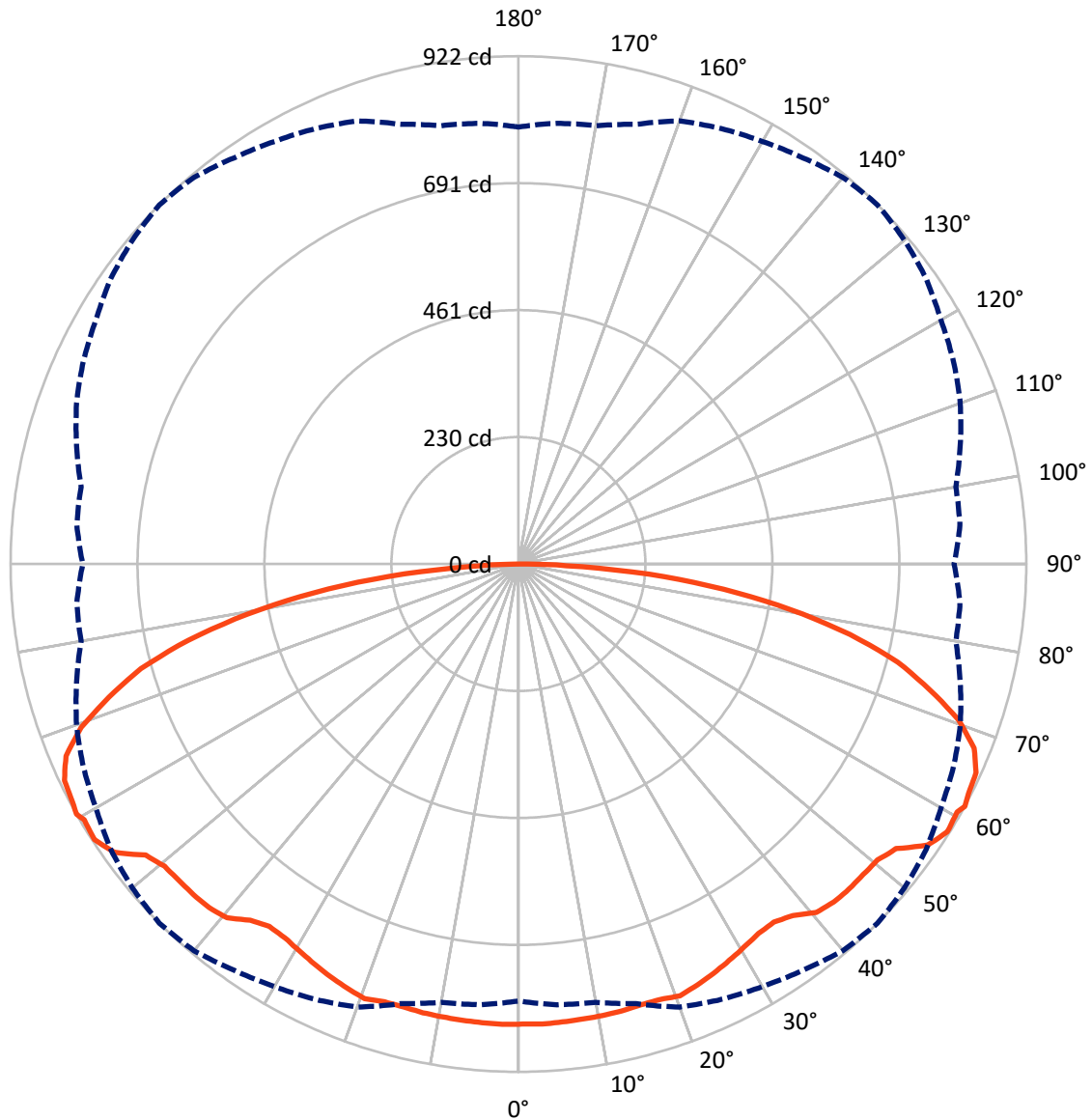
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 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	2154.4	0.0	2154.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2154.4	0.0	2154.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4308.7	0.0	4308.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.6	1.8
10°-20°	235.4	5.5
20°-30°	378.8	8.8
30°-40°	501.8	11.6
40°-50°	633.7	14.7
50°-60°	759.4	17.6
60°-70°	830.3	19.3
70°-80°	664.7	15.4
80°-90°	224.9	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°	4308.7	100.0
0°-180°	4308.7	100.0



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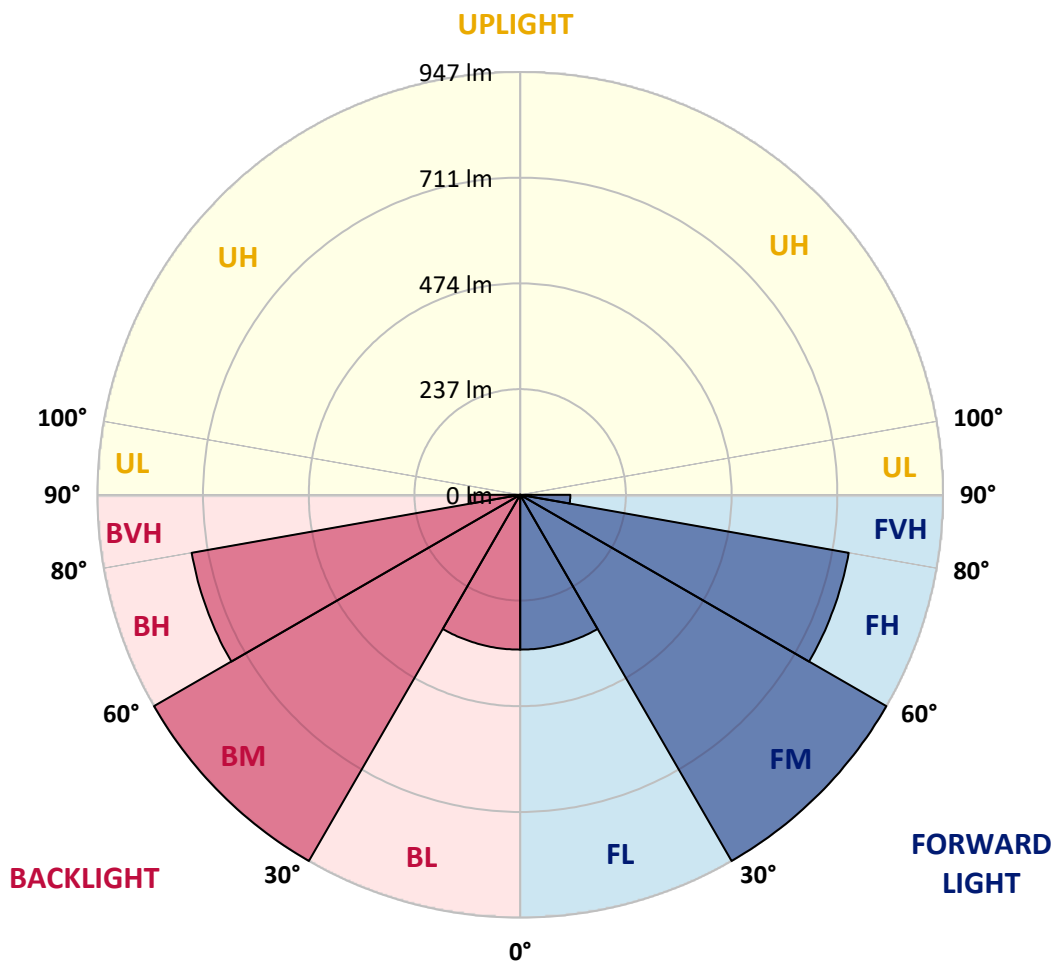
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.0	8.1			
FM (30°-60°)	947.5	22.0			
FH (60°-80°)	747.5	17.3			G1/1800
FVH (80°-90°)	112.4	2.6			G2/225
BL (0°-30°)	347.0	8.1	B1/500		
BM (30°-60°)	947.5	22.0	B1/1000		
BH (60°-80°)	747.5	17.3	B2/1000		G1/1800
BVH (80°-90°)	112.4	2.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8
2.5°	835.6	834.8	835.6	835.6	835.6	835.6	835.6	835.6	835.6	835.6	835.6
5°	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8
7.5°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.8	834.0	834.8
10°	832.4	832.4	832.4	832.4	833.2	833.2	833.2	833.2	833.2	833.2	833.2
12.5°	830.8	830.8	830.8	830.8	831.6	831.6	831.6	831.6	832.4	832.4	831.6
15°	829.1	828.4	828.4	829.1	829.1	830.0	830.0	830.0	830.8	830.0	830.0
17.5°	827.6	826.8	827.6	828.4	828.4	829.1	830.0	830.0	830.8	830.8	830.8
20°	830.0	829.1	830.0	830.8	831.6	833.2	834.0	834.8	835.6	836.4	836.4
22.5°	825.2	824.4	825.2	825.2	825.9	826.8	828.4	829.1	830.0	830.0	830.0
25°	818.0	818.0	818.7	818.7	819.5	820.3	821.2	821.9	821.9	822.7	821.9
27.5°	809.9	809.9	810.7	810.7	812.3	812.3	813.1	813.9	814.7	814.7	814.7
30°	800.2	800.2	801.1	801.9	803.5	804.3	805.1	805.9	806.7	806.7	806.7
32.5°	791.4	790.6	791.4	793.0	795.5	797.0	798.7	799.5	799.5	799.5	800.2
35°	784.2	785.0	786.6	788.2	791.4	793.0	794.6	797.0	797.9	797.9	797.9
37.5°	785.8	786.6	789.1	792.3	796.3	801.1	804.3	807.5	809.9	809.1	808.3
40°	796.3	797.9	801.9	806.7	813.1	819.5	824.4	828.4	830.8	831.6	830.8
42.5°	797.9	799.5	802.7	809.9	817.1	824.4	830.8	834.8	838.0	838.8	838.0
45°	797.0	797.0	801.9	809.9	817.1	824.4	832.4	838.0	841.2	841.2	841.2
47.5°	791.4	793.8	797.0	805.1	814.7	821.9	830.0	835.6	839.6	842.0	839.6
50°	791.4	791.4	797.0	802.7	811.5	824.4	835.6	841.2	845.2	844.4	845.2
52.5°	789.8	794.6	797.9	805.9	821.9	834.8	843.6	851.6	857.3	858.0	856.5
55°	804.3	805.1	812.3	827.6	842.8	857.3	873.3	885.4	895.0	900.6	892.6
57.5°	815.5	811.5	825.9	838.8	856.5	878.1	902.2	911.8	919.0	917.5	919.9
60°	800.2	805.9	816.3	830.0	858.0	879.7	892.6	903.0	911.8	914.3	911.1
61°	793.0	802.7	807.5	825.9	855.6	871.7	885.4	899.8	915.8	921.5	914.3
62.5°	781.0	796.3	794.6	824.4	842.8	861.2	886.9	903.8	915.1	916.7	915.1
65°	781.8	779.4	797.9	819.5	838.0	870.9	892.6	903.0	909.4	912.6	911.1
67.5°	756.1	748.1	770.6	785.8	817.1	842.8	863.7	879.0	888.6	891.8	887.8
70°	696.7	702.4	718.4	741.7	767.4	798.7	818.0	838.0	846.0	846.8	846.8
72.5°	639.7	642.9	659.0	680.7	710.3	737.7	756.9	773.0	780.2	781.0	782.6
75°	564.3	567.5	586.0	606.0	635.7	659.0	672.6	691.9	702.4	711.2	703.9
77.5°	476.8	482.4	496.9	518.5	545.8	558.7	582.7	605.2	612.5	614.8	612.5
80°	378.1	385.3	398.1	427.0	439.1	459.9	483.2	492.8	499.3	500.9	501.6
82.5°	272.1	277.7	291.4	311.4	325.1	341.9	358.0	370.0	377.3	375.7	374.9
85°	160.5	162.1	176.6	190.2	200.7	211.1	224.0	232.8	234.4	237.6	236.8
87.5°	48.2	48.9	55.4	62.6	67.4	72.2	80.3	90.7	93.1	86.7	87.5
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°	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8
2.5°	835.6	835.6	835.6	835.6	835.6	835.6	834.8	835.6
5°	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8
7.5°	834.8	834.0	834.0	834.0	834.0	834.0	834.0	834.0
10°	833.2	833.2	833.2	833.2	832.4	832.4	832.4	832.4
12.5°	831.6	831.6	831.6	831.6	830.8	830.8	830.8	830.8
15°	830.0	830.0	830.0	830.0	829.1	829.1	829.1	829.1
17.5°	830.8	830.0	829.1	829.1	828.4	827.6	827.6	827.6
20°	835.6	834.8	833.2	831.6	830.8	830.0	830.0	830.0
22.5°	829.1	828.4	826.8	825.9	825.9	825.2	824.4	824.4
25°	821.9	820.3	820.3	819.5	819.5	818.0	818.0	817.1
27.5°	813.9	813.1	812.3	811.5	811.5	810.7	809.9	809.1
30°	806.7	805.1	803.5	802.7	801.9	801.1	801.1	801.1
32.5°	799.5	797.9	797.0	794.6	793.0	792.3	791.4	791.4
35°	797.0	794.6	793.0	790.6	788.2	786.6	785.8	784.2
37.5°	806.7	803.5	801.1	797.0	791.4	789.1	786.6	785.8
40°	827.6	824.4	819.5	813.1	806.7	801.9	797.9	796.3
42.5°	834.8	830.8	824.4	818.0	809.9	802.7	799.5	797.9
45°	837.2	833.2	824.4	816.3	809.1	802.7	797.9	796.3
47.5°	834.8	829.1	821.2	814.7	804.3	796.3	793.0	790.6
50°	840.4	835.6	825.2	810.7	801.9	797.0	791.4	790.6
52.5°	851.6	842.8	833.2	822.7	805.9	796.3	793.0	789.1
55°	885.4	873.3	856.5	839.6	829.1	813.9	804.3	804.3
57.5°	911.1	901.4	879.7	857.3	838.0	826.8	812.3	813.1
60°	903.8	891.0	880.5	858.0	830.8	815.5	809.9	799.5
61°	903.0	885.4	870.9	853.3	830.0	805.9	804.3	790.6
62.5°	904.6	888.6	861.2	842.8	825.2	793.8	793.0	780.2
65°	903.0	887.8	874.1	839.6	815.5	802.7	775.4	785.8
67.5°	878.1	864.5	839.6	820.3	783.4	767.4	752.1	752.1
70°	838.8	818.7	794.6	770.6	745.7	718.4	704.7	696.7
72.5°	773.0	756.1	736.9	711.2	680.7	655.8	642.9	637.3
75°	690.3	671.8	655.0	635.7	603.6	582.7	569.1	565.1
77.5°	603.6	587.6	557.9	539.4	517.7	493.7	481.6	476.8
80°	492.8	484.0	463.1	433.4	423.0	393.3	385.3	378.1
82.5°	370.0	360.4	341.1	320.3	307.5	290.6	276.1	274.5
85°	232.8	226.4	214.3	199.1	183.0	173.4	160.5	163.7
87.5°	86.7	82.7	75.5	65.8	58.6	52.1	45.7	48.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)