

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: P197730

Luminaire Tested: **TT-C2-LED-E1-5WQ-PM-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115483)
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-E1-5WQ-PM-LWR-LW
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4016.5 lumens
Efficiency: N/A
Efficacy: 118.1 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

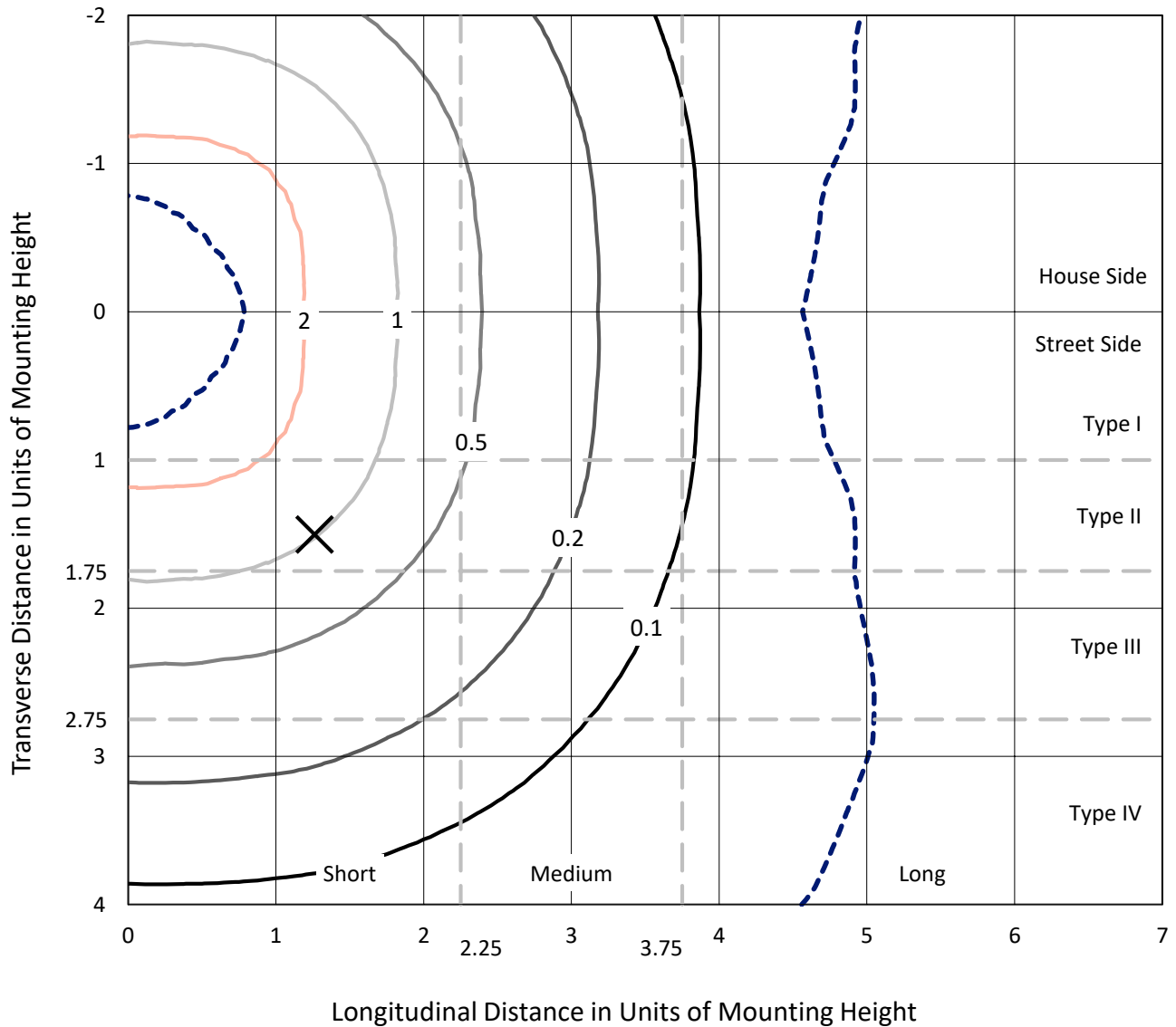


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Iso-Footcandle Lines of Horizontal Illumination

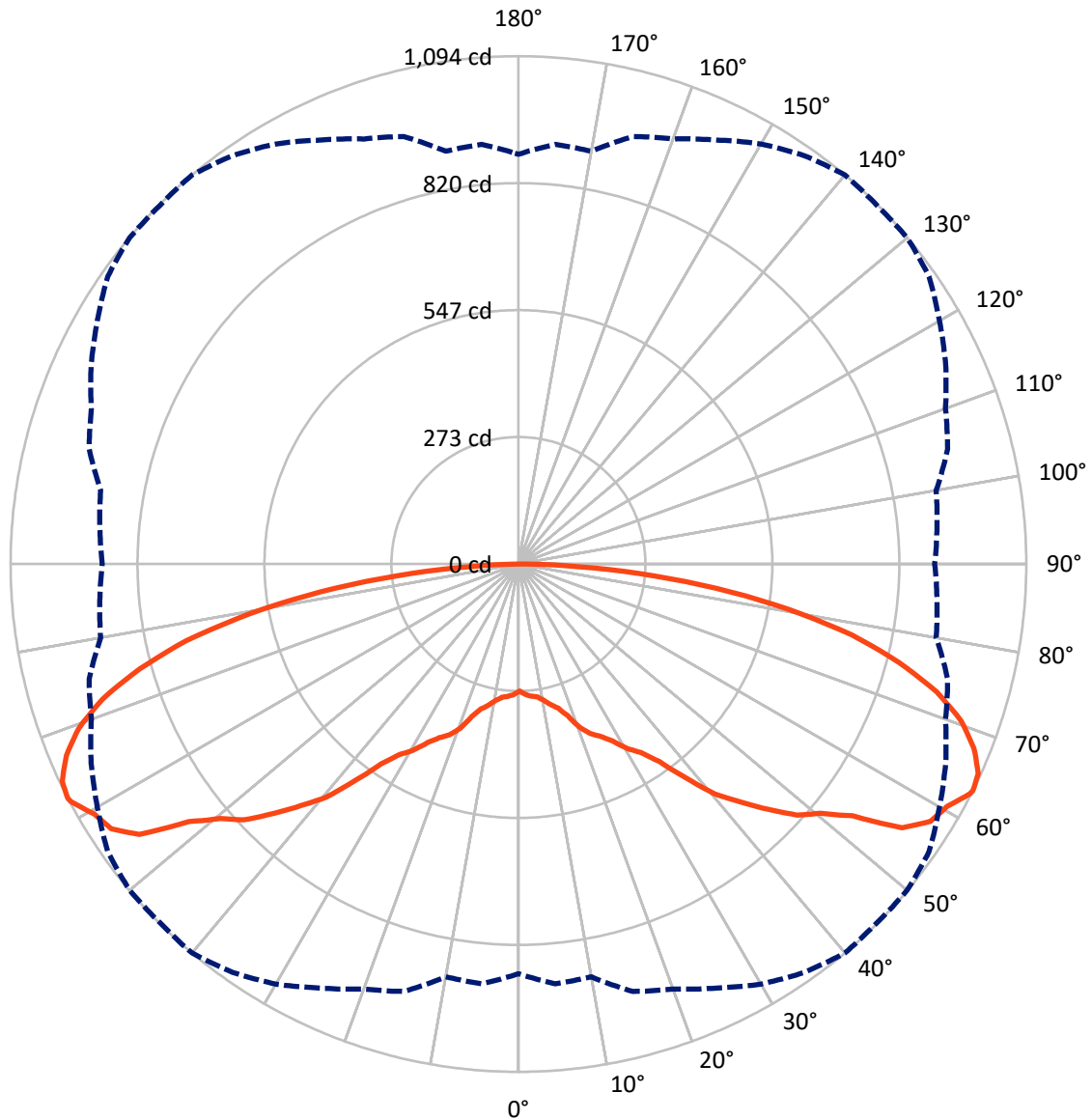
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2008.3	0.0	2008.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2008.3	0.0	2008.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4016.5	0.0	4016.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	0.7
10°-20°	93.8	2.3
20°-30°	190.8	4.7
30°-40°	328.8	8.2
40°-50°	553.8	13.8
50°-60°	815.6	20.3
60°-70°	969.8	24.1
70°-80°	785.1	19.5
80°-90°	251.2	6.3
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°	4016.5	100.0
0°-180°	4016.5	100.0



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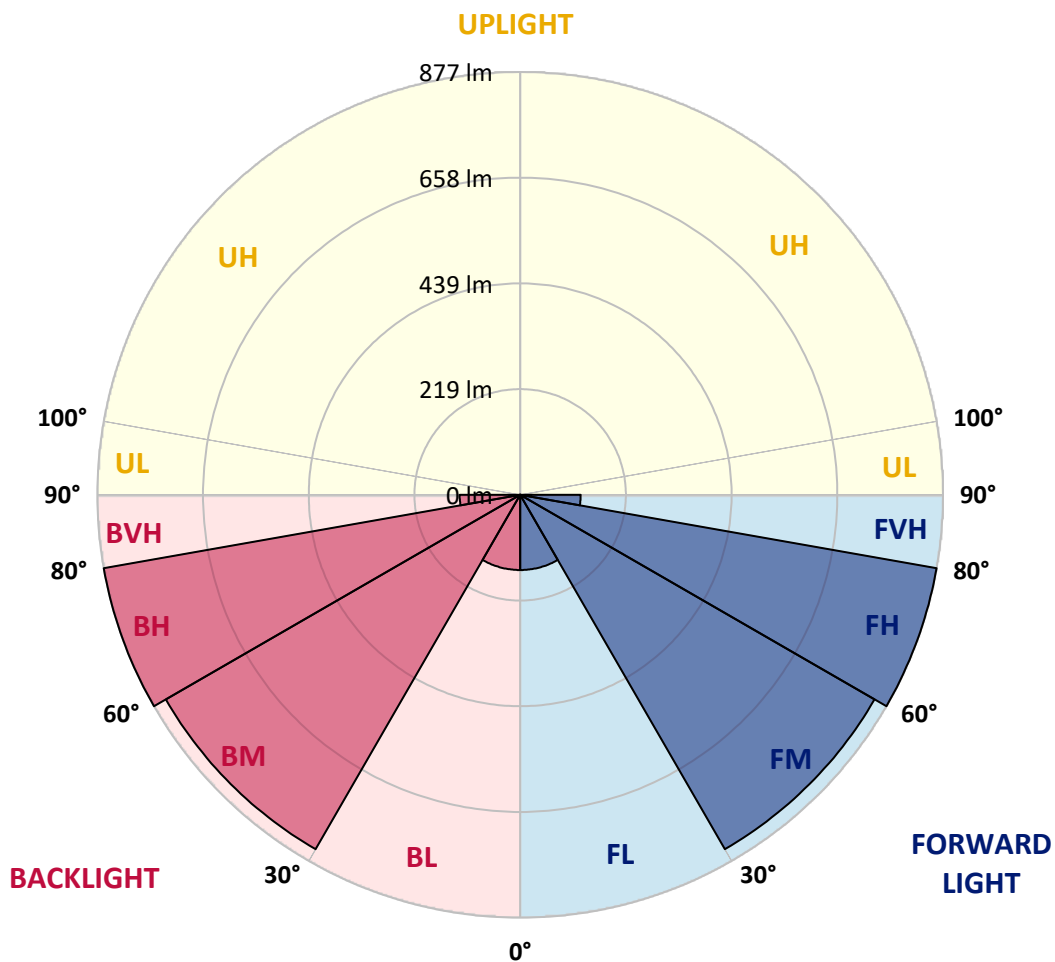
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.1	3.9			
FM	(30°-60°)	849.1	21.1			
FH	(60°-80°)	877.5	21.8			G1/1800
FVH	(80°-90°)	125.6	3.1			G2/225
BL	(0°-30°)	156.1	3.9	B1/500		
BM	(30°-60°)	849.1	21.1	B1/1000		
BH	(60°-80°)	877.5	21.8	B2/1000		G1/1800
BVH	(80°-90°)	125.6	3.1			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°	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5
2.5°	282.0	282.0	282.0	282.0	282.0	282.0	281.2	282.0	281.2	281.2	281.2
5°	287.5	287.5	287.5	287.5	286.6	286.6	285.9	285.9	285.9	285.1	285.9
7.5°	289.8	289.8	289.8	289.8	289.0	289.0	289.0	289.0	289.0	289.0	289.0
10°	295.2	295.2	296.0	296.8	298.3	298.3	298.3	299.1	298.3	298.3	298.3
12.5°	306.9	306.1	307.6	309.2	310.8	311.6	311.6	311.6	310.8	310.8	311.6
15°	323.2	321.6	322.4	323.2	324.0	324.7	324.7	324.0	322.4	322.4	322.4
17.5°	344.1	341.8	341.1	340.3	340.3	341.8	343.4	342.6	343.4	342.6	343.4
20°	369.1	367.4	367.4	367.4	368.2	371.4	374.5	376.0	375.3	373.6	376.0
22.5°	385.3	386.2	390.0	389.2	388.4	391.6	395.4	398.6	397.0	394.7	396.2
25°	403.2	403.2	408.6	411.0	408.6	408.6	410.2	412.5	411.0	409.5	411.0
27.5°	423.4	423.4	425.7	428.1	426.6	426.6	428.9	432.8	431.9	431.1	431.9
30°	447.5	444.4	442.0	445.9	449.9	450.6	452.9	459.1	460.7	459.9	461.5
32.5°	470.0	465.3	467.0	469.3	477.8	480.9	480.1	484.8	484.0	481.7	484.8
35°	491.8	497.2	500.3	505.0	508.1	512.0	512.0	520.5	522.1	519.8	522.1
37.5°	533.7	536.0	544.6	545.4	549.3	564.0	565.6	577.3	583.5	580.3	581.1
40°	591.2	590.5	596.7	605.9	613.8	632.4	637.8	645.6	651.0	648.7	651.8
42.5°	637.8	631.6	636.3	656.5	665.1	679.0	686.0	689.9	700.0	696.9	700.8
45°	671.3	673.6	679.8	700.0	705.5	717.1	733.4	740.4	753.6	749.7	752.1
47.5°	703.8	714.7	720.2	729.5	746.6	762.1	782.3	789.3	807.9	806.4	804.1
50°	746.6	755.1	761.3	768.3	791.7	817.3	834.4	837.5	843.7	839.1	846.8
52.5°	792.5	791.7	797.1	816.5	849.1	859.2	874.0	888.0	901.2	905.8	901.2
55°	853.0	833.6	856.2	884.1	898.1	922.2	957.9	977.4	1003.0	1006.9	999.1
57.5°	877.9	877.9	901.2	917.5	943.2	985.9	1024.0	1033.3	1046.4	1039.5	1047.3
60°	874.8	904.3	904.3	933.1	975.0	1013.1	1027.0	1042.6	1060.5	1059.7	1059.7
62.5°	878.7	907.4	899.6	949.4	975.0	1006.0	1037.2	1065.9	1090.8	1090.0	1089.2
63°	882.5	907.4	902.8	953.2	974.2	1007.7	1044.9	1073.7	1093.9	1092.3	1093.1
65°	894.2	887.2	915.2	947.0	971.1	1020.8	1051.9	1074.4	1088.5	1087.7	1087.7
67.5°	872.4	856.2	895.7	908.2	954.1	998.3	1022.4	1048.1	1058.1	1058.1	1056.6
70°	805.6	812.6	839.8	860.0	906.6	946.2	966.5	999.1	1011.5	1011.5	1010.7
72.5°	738.0	749.7	768.3	797.1	841.4	872.4	896.6	926.1	942.3	941.6	941.6
75°	651.8	662.7	684.4	711.7	750.4	780.8	800.2	828.2	846.8	853.8	846.0
77.5°	554.7	557.8	578.0	605.9	640.1	661.1	690.7	717.9	733.4	732.6	730.3
80°	436.6	440.5	457.6	489.4	508.1	533.0	560.2	574.9	588.1	588.1	586.5
82.5°	301.4	309.9	327.0	348.0	367.4	389.2	404.0	418.7	429.6	428.9	426.6
85°	170.1	174.0	190.4	203.5	218.3	232.3	242.4	251.7	261.0	261.0	259.5
87.5°	51.3	45.8	55.2	60.6	68.4	75.4	80.0	89.3	95.5	88.5	88.5
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°	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5
2.5°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0
5°	285.9	286.6	286.6	287.5	287.5	287.5	287.5	287.5
7.5°	289.0	289.0	289.0	289.0	289.8	289.8	289.8	289.8
10°	298.3	299.1	298.3	298.3	296.8	296.0	296.0	296.0
12.5°	311.6	312.3	312.3	310.8	309.2	307.6	306.9	306.1
15°	324.0	326.3	324.7	324.0	322.4	323.2	323.2	324.0
17.5°	343.4	344.1	341.8	340.3	339.5	341.1	342.6	343.4
20°	376.8	375.3	370.6	369.1	367.4	367.4	369.1	369.1
22.5°	397.8	393.9	390.7	389.2	389.2	389.2	386.9	383.8
25°	412.5	410.2	407.8	409.5	411.0	408.6	403.2	402.4
27.5°	432.8	428.1	427.3	426.6	427.3	425.7	424.9	421.9
30°	459.1	452.9	451.4	449.9	445.2	443.6	445.2	447.5
32.5°	484.0	480.1	481.7	478.6	470.0	467.0	468.5	467.7
35°	519.8	512.7	512.7	506.5	504.2	503.4	497.2	491.8
37.5°	576.4	567.2	564.8	550.8	544.6	546.1	537.6	531.4
40°	645.6	638.6	632.4	616.8	608.3	597.4	592.0	592.0
42.5°	691.4	686.7	678.2	667.3	658.0	639.4	632.4	636.3
45°	741.9	735.7	717.9	707.0	698.4	685.2	677.5	669.6
47.5°	793.2	784.6	763.7	749.7	729.5	725.6	717.1	706.2
50°	838.3	835.2	820.4	797.1	771.5	765.2	757.5	747.4
52.5°	893.4	874.8	862.4	852.3	823.5	803.4	792.5	797.1
55°	983.6	960.3	928.4	896.6	890.4	866.2	839.1	853.8
57.5°	1035.6	1022.4	998.3	947.8	922.9	906.6	888.7	875.6
60°	1048.1	1024.0	1018.5	980.4	940.8	906.6	913.7	882.5
62.5°	1072.1	1039.5	1009.2	978.9	954.8	908.2	906.6	890.4
63°	1079.9	1047.3	1015.4	978.9	957.1	913.7	905.1	896.6
65°	1078.3	1050.4	1026.3	978.9	946.2	929.1	887.2	906.6
67.5°	1048.8	1025.5	997.5	964.9	910.5	897.3	867.8	871.7
70°	1001.4	971.1	944.7	914.4	870.9	840.6	822.7	807.9
72.5°	927.6	900.4	872.4	844.5	805.6	769.2	756.7	740.4
75°	829.7	803.4	777.7	751.3	714.7	682.1	668.9	657.2
77.5°	717.9	695.3	658.8	633.9	613.0	578.0	565.6	553.1
80°	572.6	561.7	535.3	502.7	491.8	457.6	448.2	431.9
82.5°	416.4	405.5	384.5	362.0	348.8	331.0	315.4	304.6
85°	254.1	242.4	231.5	211.3	203.5	190.4	177.9	171.7
87.5°	91.7	82.3	73.8	64.5	59.8	50.5	48.9	44.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)