Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P821338

Luminaire Tested: **TT-D1-750-24VDC-CQ**

Issue Date: 2/18/2020

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P821338
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab:	INNOVATIONS CENTER
Issue Date:	2/18/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D1-750-24VDC-CQ
Description:	TOPTIER LED PARKING GARAGE LUMINAIRE
	5000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3828 lumens
Efficiency:	N/A
Efficacy:	136.7 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B1 - U0 - G1

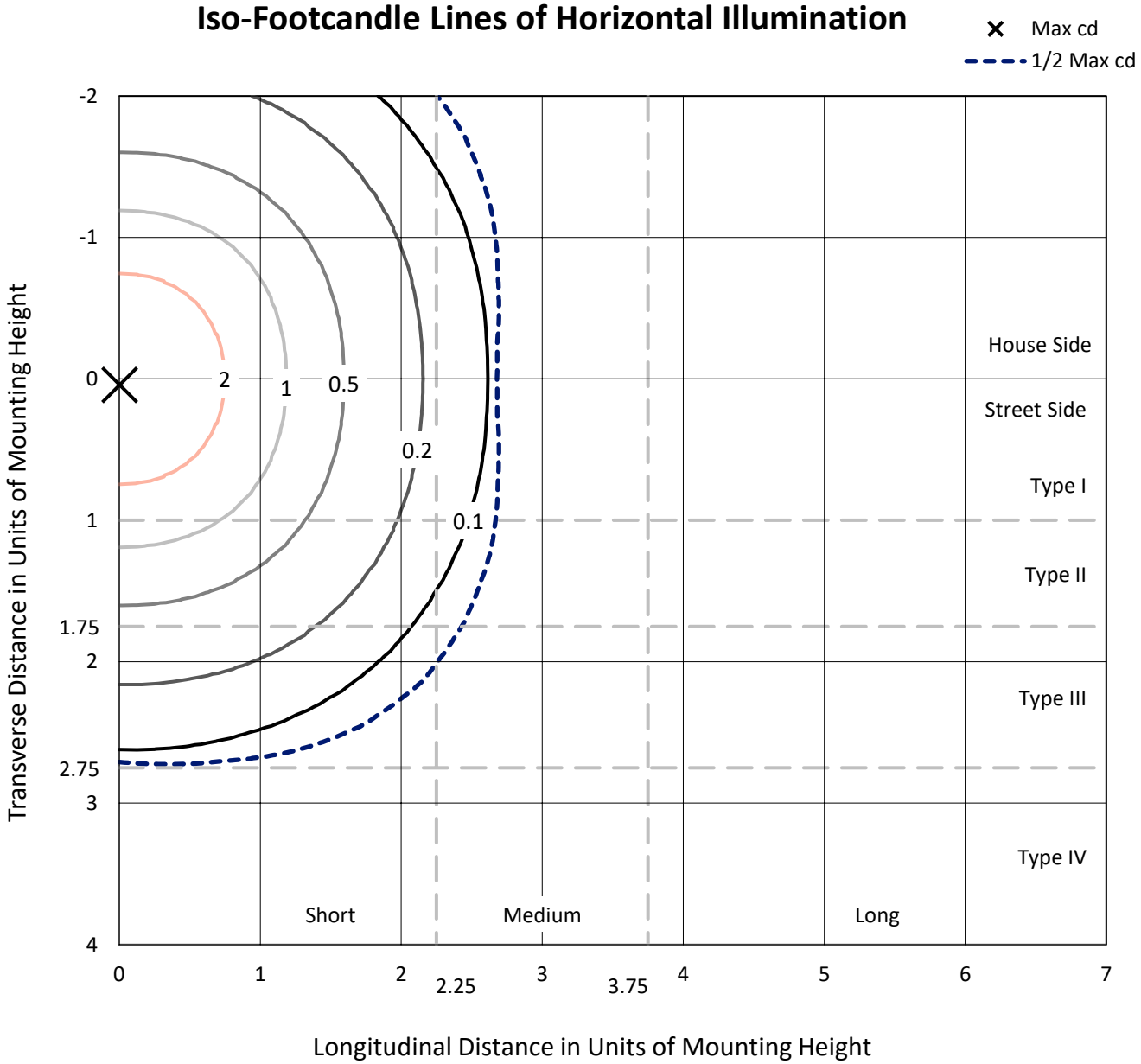
Input Watts (W):	28
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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Iso-Footcandle Lines of Horizontal Illumination



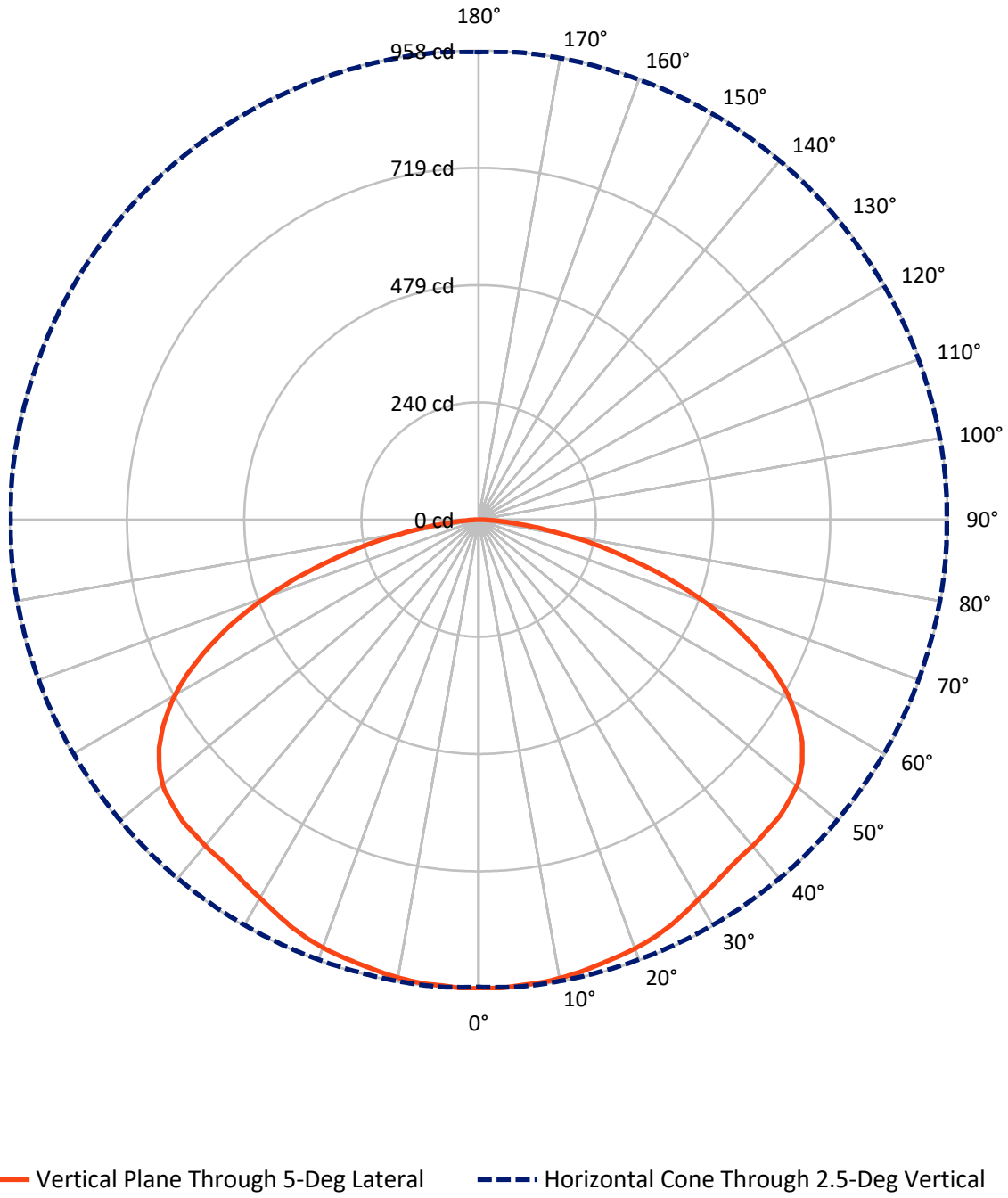
Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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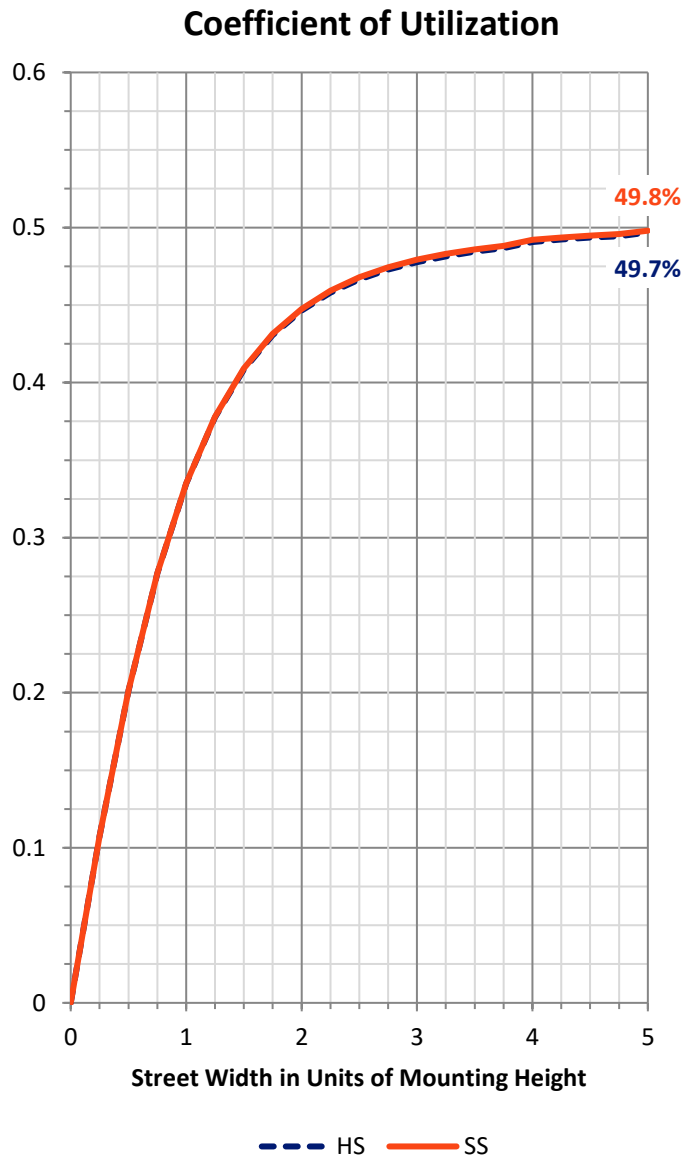
REPORT NUMBER: P821338
CATALOG NUMBER: TT-D1-750-24VDC-CQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1914.0	0.0	1914.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1914.0	0.0	1914.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3828.0	0.0	3828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	2.4
10°-20°	266.7	7.0
20°-30°	424.2	11.1
30°-40°	558.0	14.6
40°-50°	683.0	17.8
50°-60°	739.8	19.3
60°-70°	636.4	16.6
70°-80°	357.8	9.3
80°-90°	70.9	1.9
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°	3828.0	100.0
0°-180°	3828.0	100.0



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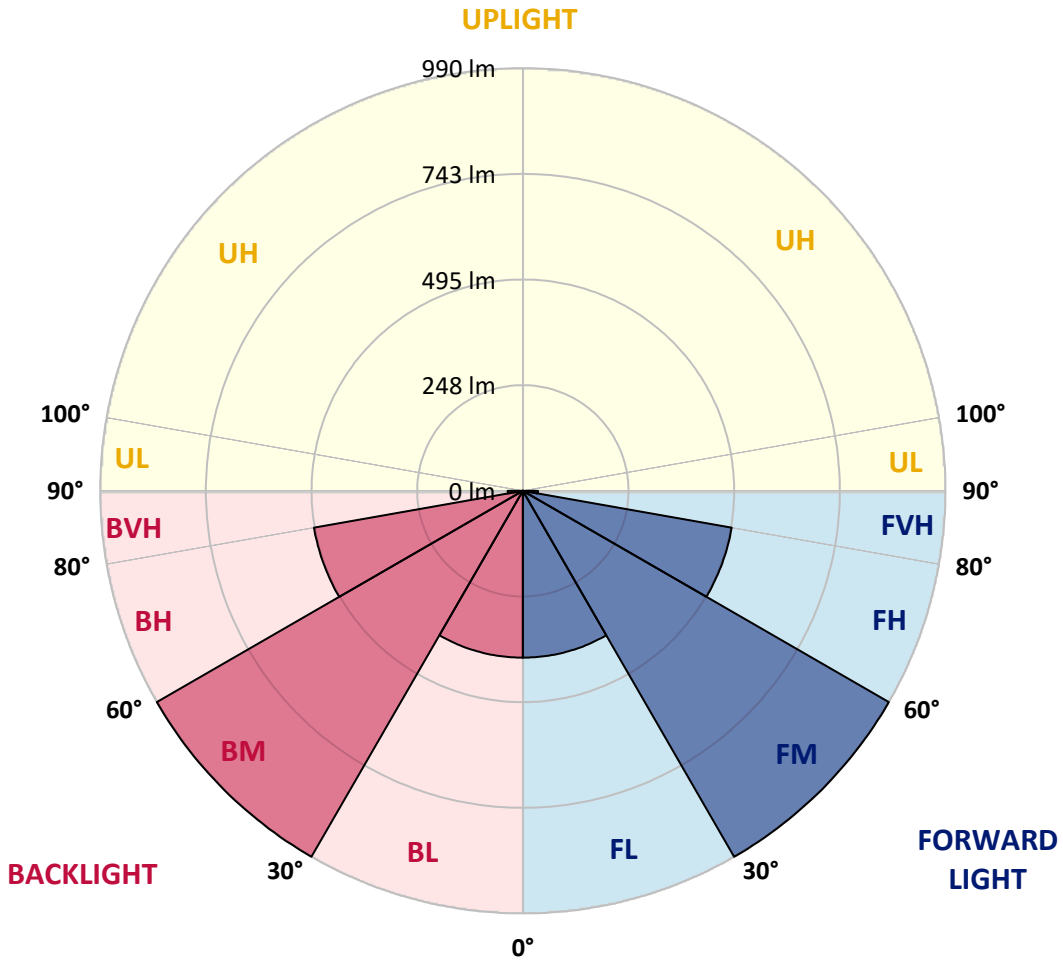
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	391.0	10.2			
FM	(30°-60°)	990.4	25.9			
FH	(60°-80°)	497.1	13.0			G0/660
FVH	(80°-90°)	35.5	0.9			G1/100
BL	(0°-30°)	391.0	10.2	B1/500		
BM	(30°-60°)	990.4	25.9	B1/1000		
BH	(60°-80°)	497.1	13.0	B1/500		G0/660
BVH	(80°-90°)	35.5	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	957.7	*957.7*	957.7	957.7	957.7	957.7	957.7	957.7	957.7	957.7	957.7
2.5°	*955.2*	*958.3*	*957.0*	*957.0*	*957.0*	*957.0*	*955.8*	*957.0*	*957.0*	*957.7*	*957.0*
5°	955.8	*955.2*	955.2	955.8	955.8	956.4	955.2	955.8	956.4	956.4	957.0
7.5°	954.0	*954.6*	953.4	954.6	953.4	954.0	954.0	954.6	954.0	954.6	955.8
10°	950.3	*951.0*	950.3	950.3	950.3	951.6	949.1	951.0	950.3	951.0	950.3
12.5°	943.6	*946.7*	945.5	946.7	946.7	946.7	944.9	946.1	946.7	946.7	946.7
15°	940.6	*941.2*	939.4	941.8	942.4	943.0	940.6	941.8	941.8	942.4	943.0
17.5°	933.9	*936.9*	936.3	938.2	937.6	939.4	938.8	938.2	937.6	938.8	937.6
20°	929.0	*932.1*	931.5	933.3	933.9	935.7	933.9	933.9	932.1	932.7	934.5
22.5°	924.1	*925.4*	925.4	927.2	927.2	929.0	927.2	926.6	926.6	926.0	927.8
25°	916.2	*916.8*	916.2	918.1	919.3	920.5	919.9	918.7	918.1	918.1	917.4
27.5°	903.4	*905.9*	907.1	909.5	910.1	912.0	909.5	909.5	908.3	907.1	907.7
30°	893.7	*894.9*	894.9	900.4	900.4	903.4	900.4	899.8	899.2	898.6	897.3
32.5°	884.6	*886.4*	888.2	892.5	895.5	896.7	894.9	893.7	890.6	888.8	888.2
35°	877.2	*877.8*	881.5	887.6	891.3	894.3	891.9	888.8	884.6	881.5	883.9
37.5°	871.8	*872.4*	877.8	885.8	892.5	894.9	891.3	886.4	879.7	876.0	874.8
40°	866.9	*870.5*	876.6	887.6	894.9	898.6	895.5	888.8	879.1	871.8	871.1
42.5°	864.4	*866.3*	875.4	888.2	898.6	903.4	899.2	890.0	877.8	869.3	868.7
45°	858.4	*863.8*	872.4	888.8	900.4	906.5	900.4	888.8	874.2	864.4	862.6
47.5°	853.5	*855.3*	868.7	887.6	901.6	906.5	900.4	885.8	867.5	854.7	853.5
50°	841.9	*846.2*	859.6	879.7	896.1	901.0	893.7	874.2	853.5	839.5	837.0
52.5°	824.2	*827.9*	843.7	868.7	884.6	890.0	879.1	858.4	834.0	816.9	816.9
55°	796.8	*802.3*	818.8	844.3	864.4	869.3	856.5	834.6	807.2	790.1	789.5
57.5°	763.9	*767.6*	785.3	813.3	832.8	840.1	827.3	802.9	775.5	755.4	753.6
60°	721.3	*726.2*	745.0	771.8	792.0	798.0	787.1	762.7	734.7	713.4	713.4
62.5°	670.1	*675.6*	694.5	721.9	742.6	751.7	736.5	713.4	684.1	663.4	661.6
65°	610.4	*615.3*	632.3	661.0	682.3	689.0	677.4	653.1	625.0	605.5	603.7
67.5°	543.4	*550.1*	567.2	591.5	609.8	618.3	611.0	589.1	559.8	539.7	537.9
70°	470.9	*475.8*	489.2	511.7	532.4	538.5	527.6	512.9	485.5	467.3	464.8
72.5°	393.5	*397.8*	408.8	430.1	444.7	452.6	446.5	427.7	405.7	390.5	392.9
75°	315.6	*315.0*	327.1	342.4	355.8	361.3	357.0	344.8	324.7	311.9	311.3
77.5°	237.6	*243.7*	247.9	260.7	271.7	276.0	269.9	260.1	244.9	234.5	236.4
80°	166.9	*163.3*	171.2	179.1	186.4	190.7	187.0	181.5	171.2	163.3	162.0
82.5°	102.3	*99.3*	103.0	110.3	115.1	116.4	117.0	110.3	106.0	99.9	101.1
85°	45.1	*45.7*	48.7	53.6	54.2	54.8	54.8	53.6	48.7	48.1	46.9
87.5°	11.0	*11.0*	11.6	13.4	13.4	14.0	14.0	12.2	11.6	10.4	11.0
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)