

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: P197756

Luminaire Tested: **TT-C2-LED-E1-5WQ-PM-MS/DIM-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197756  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)  
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-MS/DIM-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE 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: 3980.5 lumens  
Efficiency: N/A  
Efficacy: 117.1 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

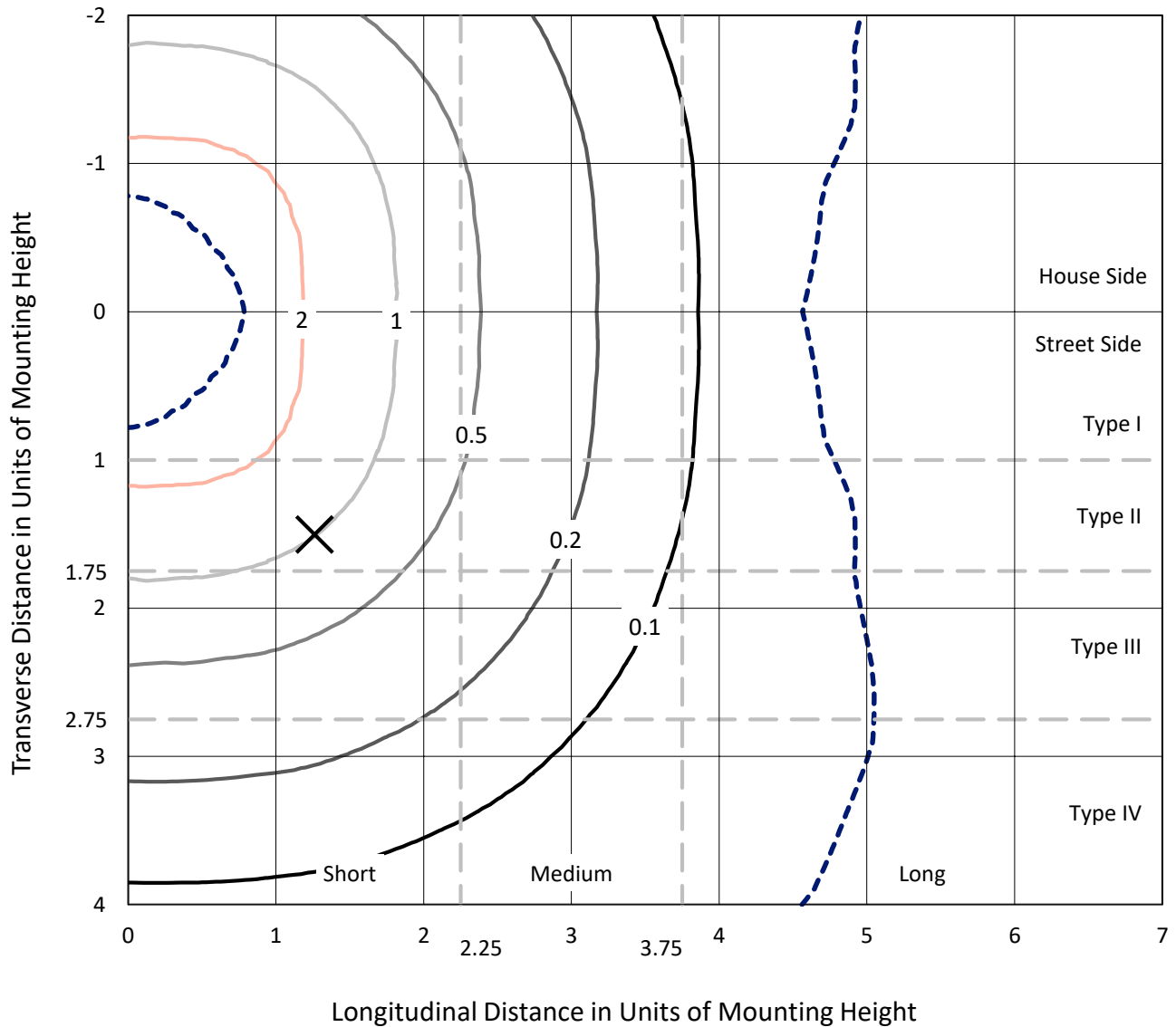


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### Iso-Footcandle Lines of Horizontal Illumination

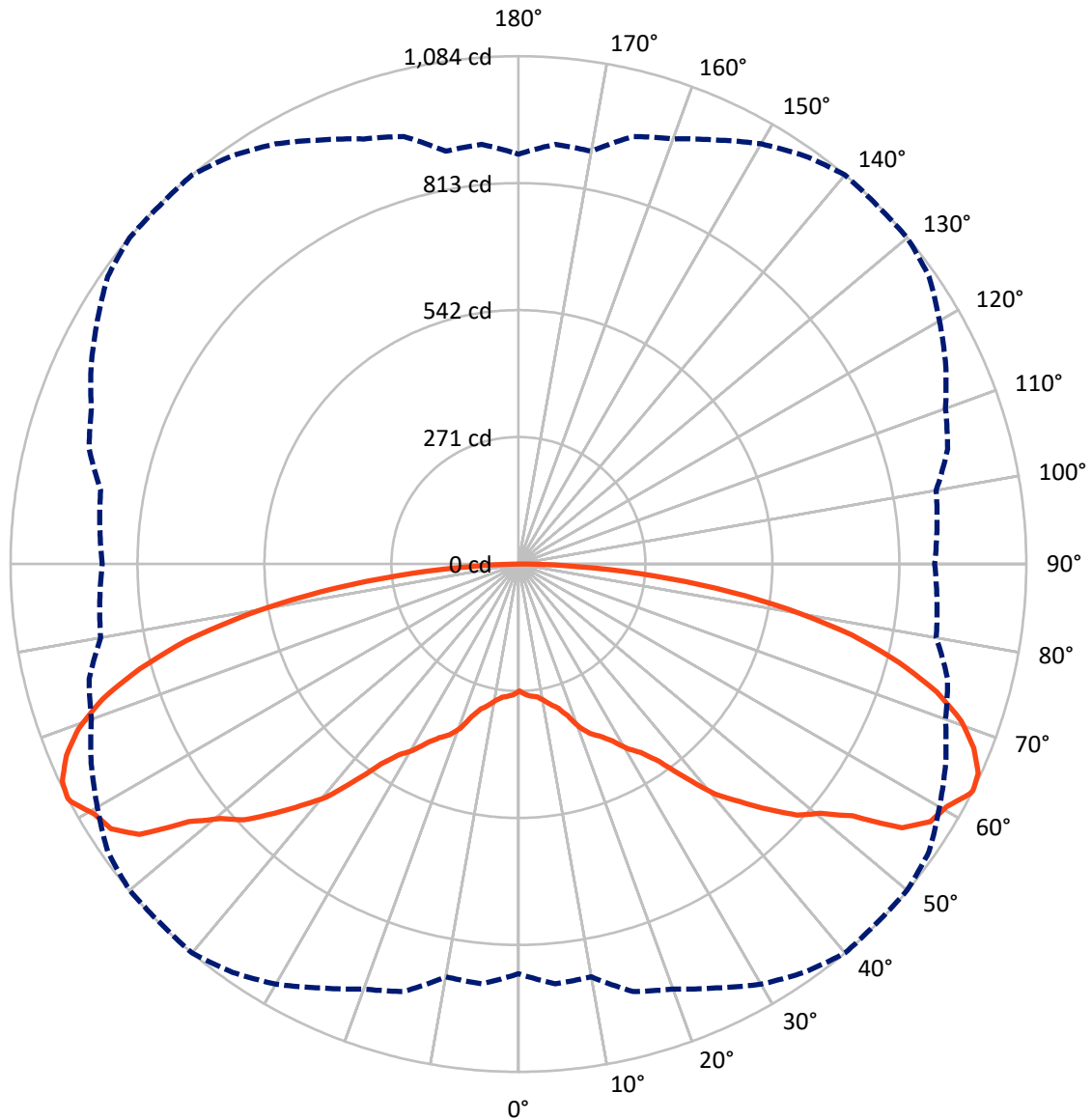
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	1990.3	0.0	1990.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1990.3	0.0	1990.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3980.5	0.0	3980.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.3	0.7
10°-20°	93.0	2.3
20°-30°	189.1	4.7
30°-40°	325.8	8.2
40°-50°	548.9	13.8
50°-60°	808.2	20.3
60°-70°	961.1	24.1
70°-80°	778.1	19.5
80°-90°	248.9	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°	3980.5	100.0
0°-180°	3980.5	100.0



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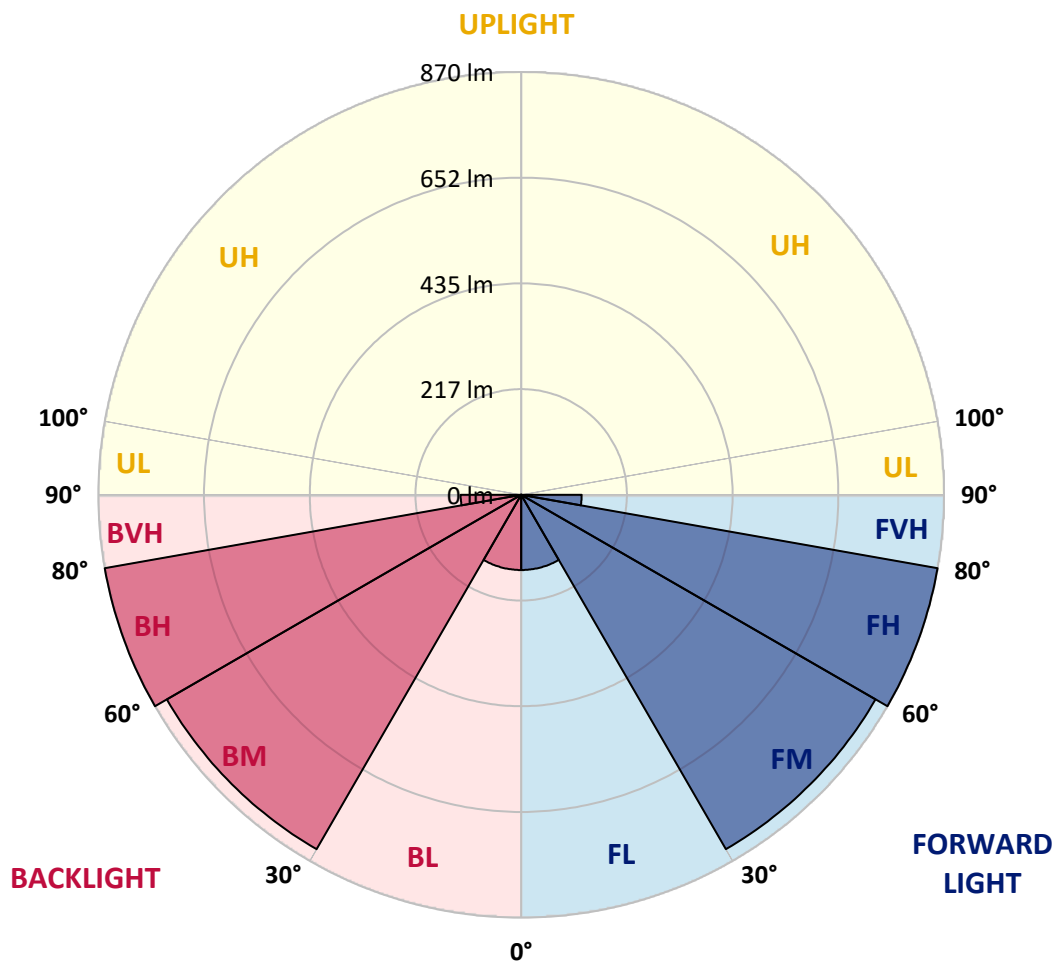
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.7	3.9			
FM (30°-60°)	841.5	21.1			
FH (60°-80°)	869.6	21.8			G1/1800
FVH (80°-90°)	124.5	3.1			G2/225
BL (0°-30°)	154.7	3.9	B1/500		
BM (30°-60°)	841.5	21.1	B1/1000		
BH (60°-80°)	869.6	21.8	B2/1000		G1/1800
BVH (80°-90°)	124.5	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°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	279.5	279.5	279.5	279.5	279.5	279.5	278.7	279.5	278.7	278.7	278.7
5°	284.8	284.8	284.8	284.8	284.1	284.1	283.3	283.3	283.3	282.6	283.3
7.5°	287.2	287.2	287.2	287.2	286.4	286.4	286.4	286.4	286.4	286.4	286.4
10°	292.6	292.6	293.3	294.1	295.6	295.6	295.6	296.4	295.6	295.6	295.6
12.5°	304.1	303.3	304.9	306.4	308.0	308.7	308.7	308.7	308.0	308.0	308.7
15°	320.3	318.8	319.5	320.3	321.1	321.9	321.9	321.1	319.5	319.5	319.5
17.5°	341.1	338.8	338.0	337.2	337.2	338.8	340.3	339.6	340.3	339.6	340.3
20°	365.7	364.1	364.1	364.1	364.9	368.0	371.1	372.7	371.9	370.4	372.7
22.5°	381.9	382.7	386.5	385.7	384.9	388.0	391.9	394.9	393.4	391.2	392.7
25°	399.6	399.6	405.0	407.3	405.0	405.0	406.5	408.8	407.3	405.7	407.3
27.5°	419.6	419.6	421.9	424.2	422.7	422.7	425.0	428.9	428.1	427.3	428.1
30°	443.4	440.4	438.1	442.0	445.8	446.6	448.9	455.0	456.6	455.8	457.3
32.5°	465.8	461.2	462.7	465.0	473.5	476.6	475.8	480.5	479.7	477.4	480.5
35°	487.4	492.7	495.8	500.5	503.5	507.4	507.4	515.8	517.4	515.1	517.4
37.5°	529.0	531.3	539.8	540.5	544.3	559.0	560.5	572.0	578.2	575.1	575.9
40°	585.9	585.1	591.3	600.6	608.3	626.7	632.1	639.8	645.2	642.9	646.0
42.5°	632.1	626.0	630.6	650.6	659.1	672.9	679.9	683.7	693.7	690.6	694.5
45°	665.2	667.5	673.7	693.7	699.1	710.6	726.8	733.7	746.8	743.0	745.3
47.5°	697.6	708.4	713.7	722.9	739.9	755.3	775.3	782.2	800.7	799.2	796.9
50°	739.9	748.4	754.5	761.4	784.6	810.0	826.9	830.0	836.2	831.5	839.3
52.5°	785.3	784.6	790.0	809.2	841.5	851.5	866.2	880.0	893.1	897.8	893.1
55°	845.4	826.1	848.5	876.2	890.0	913.9	949.3	968.6	994.0	997.9	990.1
57.5°	870.0	870.0	893.1	909.3	934.7	977.1	1014.8	1024.0	1037.1	1030.1	1037.9
60°	867.0	896.2	896.2	924.7	966.3	1004.0	1017.9	1033.2	1050.9	1050.2	1050.2
62.5°	870.8	899.3	891.5	940.8	966.3	997.1	1027.9	1056.4	1081.0	1080.2	1079.4
63°	874.6	899.3	894.7	944.7	965.5	998.6	1035.6	1064.0	1084.1	1082.5	1083.3
65°	886.2	879.3	907.0	938.6	962.4	1011.7	1042.5	1064.8	1078.7	1077.9	1077.9
67.5°	864.6	848.5	887.8	900.0	945.5	989.3	1013.2	1038.6	1048.6	1048.6	1047.1
70°	798.5	805.3	832.3	852.3	898.5	937.8	957.8	990.1	1002.4	1002.4	1001.7
72.5°	731.4	743.0	761.4	790.0	833.8	864.6	888.5	917.8	933.9	933.1	933.1
75°	646.0	656.8	678.3	705.3	743.7	773.8	793.0	820.7	839.3	846.2	838.5
77.5°	549.8	552.8	572.8	600.6	634.4	655.2	684.5	711.4	726.8	726.0	723.7
80°	432.7	436.5	453.5	485.0	503.5	528.2	555.1	569.8	582.8	582.8	581.3
82.5°	298.7	307.2	324.1	344.9	364.1	385.7	400.4	415.0	425.8	425.0	422.7
85°	168.6	172.5	188.6	201.8	216.3	230.2	240.2	249.5	258.7	258.7	257.1
87.5°	50.8	45.4	54.7	60.1	67.7	74.7	79.3	88.5	94.7	87.8	87.8
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°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5
5°	283.3	284.1	284.1	284.8	284.8	284.8	284.8	284.8
7.5°	286.4	286.4	286.4	286.4	287.2	287.2	287.2	287.2
10°	295.6	296.4	295.6	295.6	294.1	293.3	293.3	293.3
12.5°	308.7	309.5	309.5	308.0	306.4	304.9	304.1	303.3
15°	321.1	323.4	321.9	321.1	319.5	320.3	320.3	321.1
17.5°	340.3	341.1	338.8	337.2	336.4	338.0	339.6	340.3
20°	373.4	371.9	367.3	365.7	364.1	364.1	365.7	365.7
22.5°	394.2	390.4	387.3	385.7	385.7	385.7	383.4	380.4
25°	408.8	406.5	404.2	405.7	407.3	405.0	399.6	398.8
27.5°	428.9	424.2	423.4	422.7	423.4	421.9	421.2	418.1
30°	455.0	448.9	447.3	445.8	441.2	439.7	441.2	443.4
32.5°	479.7	475.8	477.4	474.2	465.8	462.7	464.2	463.5
35°	515.1	508.2	508.2	502.0	499.7	498.9	492.7	487.4
37.5°	571.3	562.0	559.8	545.9	539.8	541.3	532.8	526.6
40°	639.8	632.9	626.7	611.3	602.8	592.1	586.7	586.7
42.5°	685.2	680.6	672.1	661.4	652.1	633.6	626.7	630.6
45°	735.3	729.2	711.4	700.6	692.1	679.1	671.4	663.7
47.5°	786.1	777.7	756.9	743.0	722.9	719.1	710.6	699.9
50°	830.7	827.7	813.0	790.0	764.5	758.4	750.7	740.7
52.5°	885.4	867.0	854.6	844.6	816.1	796.1	785.3	790.0
55°	974.7	951.6	920.0	888.5	882.3	858.5	831.5	846.2
57.5°	1026.3	1013.2	989.3	939.3	914.7	898.5	880.8	867.7
60°	1038.6	1014.8	1009.4	971.6	932.4	898.5	905.4	874.6
62.5°	1062.5	1030.1	1000.1	970.1	946.3	900.0	898.5	882.3
63°	1070.2	1037.9	1006.3	970.1	948.6	905.4	897.0	888.5
65°	1068.7	1040.9	1017.1	970.1	937.8	920.8	879.3	898.5
67.5°	1039.4	1016.3	988.6	956.3	902.3	889.3	860.0	863.9
70°	992.4	962.4	936.3	906.2	863.1	833.0	815.4	800.7
72.5°	919.3	892.3	864.6	836.9	798.5	762.2	749.9	733.7
75°	822.3	796.1	770.7	744.5	708.4	676.0	662.9	651.4
77.5°	711.4	689.1	652.9	628.3	607.5	572.8	560.5	548.2
80°	567.4	556.7	530.5	498.2	487.4	453.5	444.2	428.1
82.5°	412.7	401.9	381.1	358.8	345.7	328.0	312.6	301.8
85°	251.8	240.2	229.4	209.4	201.8	188.6	176.3	170.2
87.5°	90.9	81.6	73.2	63.9	59.3	50.0	48.5	43.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)