

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P633347

Luminaire Tested: GWS-SA2E-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11241 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

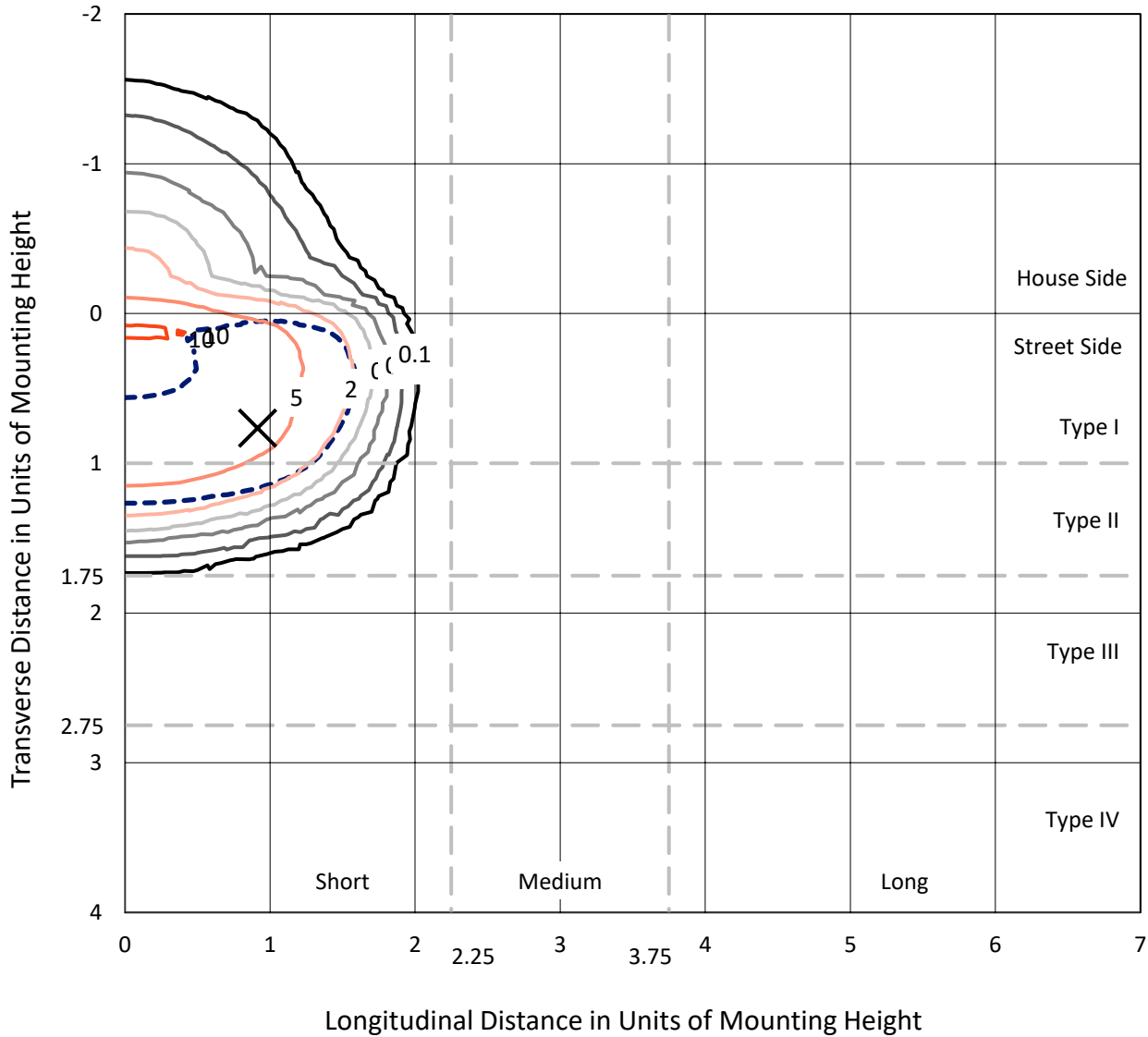
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633347
 CATALOG NUMBER: GWS-SA2E-750-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

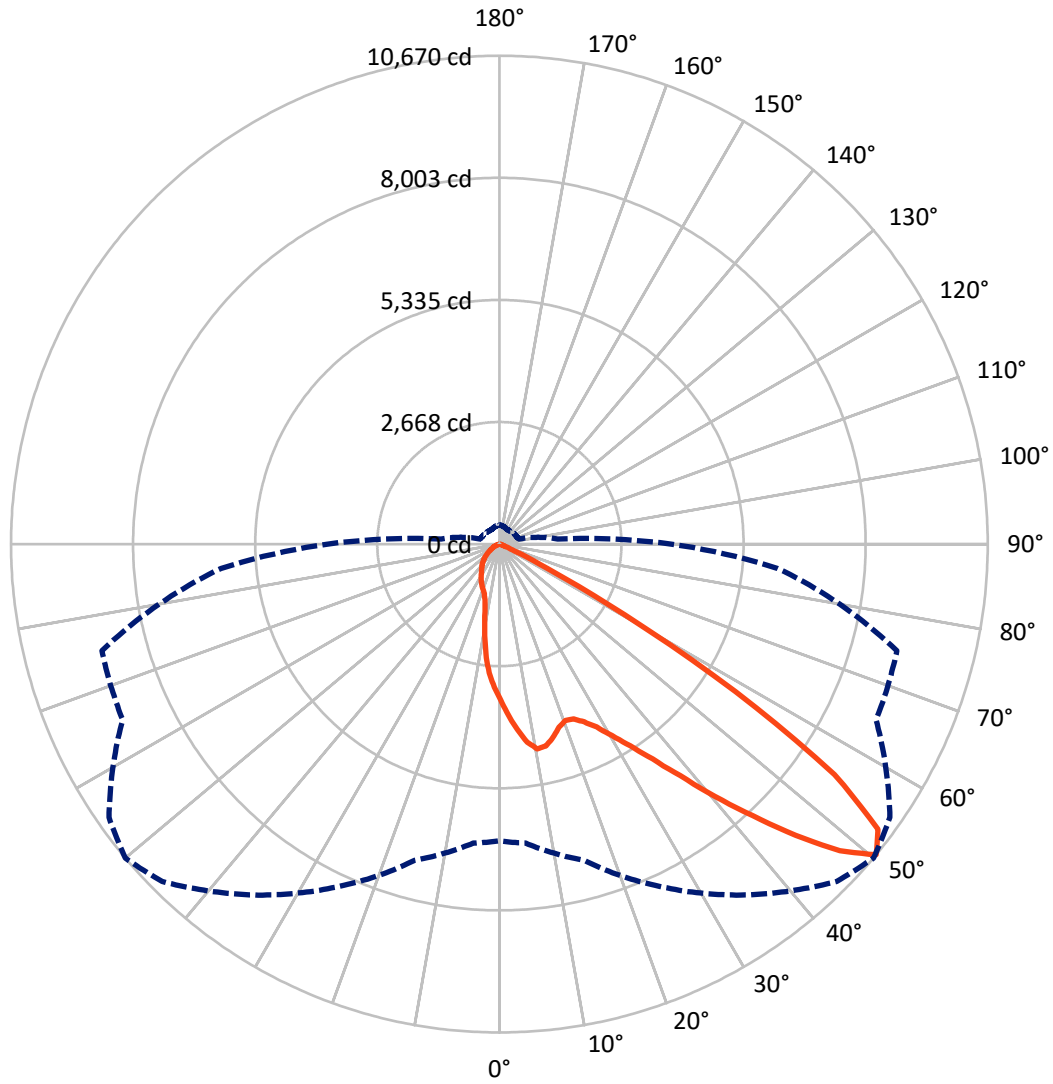
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

REPORT NUMBER: P633347
CATALOG NUMBER: GWS-SA2E-750-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P633347
 CATALOG NUMBER: GWS-SA2E-750-U-AFL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.3	0.0	1444.3
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	9796.7	0.0	9796.7
	% Fixture	87.2	0.0	87.2
Total	Lumens	11241.0	0.0	11241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.9	2.8
10°-20°	815.1	7.3
20°-30°	1345.2	12.0
30°-40°	2219.9	19.7
40°-50°	3512.3	31.2
50°-60°	2659.2	23.7
60°-70°	332.8	3.0
70°-80°	37.6	0.3
80°-90°	2.9	0.0
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°	11241.0	100.0
0°-180°	11241.0	100.0

Coefficient of Utilization



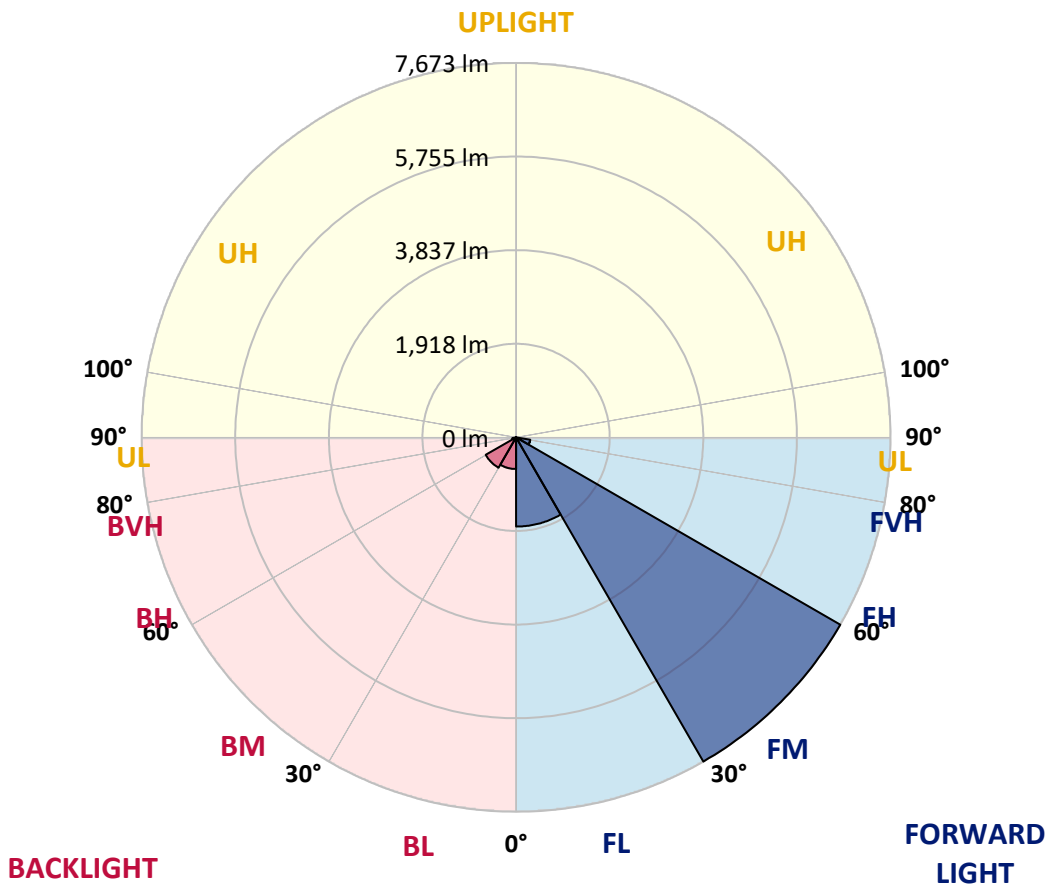
REPORT NUMBER: P633347

CATALOG NUMBER: GWS-SA2E-750-U-AFL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1828.0	16.3			
FM (30°-60°)	7673.2	68.3			
FH (60°-80°)	294.3	2.6			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	648.3	5.8	B2/1000		
BM (30°-60°)	718.3	6.4	B1/1000		
BH (60°-80°)	76.2	0.7	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type II Short





REPORT NUMBER: P633347

CATALOG NUMBER: GWS-SA2E-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6
2.5°	3880.6	3911.7	3903.1	3862.4	3818.6	3787.5	3739.4	3724.4	3615.3	3539.3	3459.1
5°	4349.3	4358.9	4348.2	4299.0	4221.9	4148.1	4068.9	4022.9	3840.0	3675.2	3507.2
7.5°	4461.6	4449.8	4470.2	4494.8	4484.1	4452.0	4368.5	4318.2	4100.0	3831.4	3576.8
10°	4110.7	4083.9	4159.9	4287.2	4420.9	4571.8	4550.4	4554.7	4353.5	4028.3	3667.7
12.5°	3645.2	3634.5	3691.2	3838.9	4101.0	4443.4	4525.8	4663.8	4585.7	4241.2	3771.5
15°	3440.9	3446.2	3480.5	3573.6	3761.9	4187.7	4385.6	4634.9	4793.3	4447.7	3886.0
17.5°	3471.9	3491.2	3490.1	3521.1	3635.6	3976.9	4208.0	4544.0	4953.8	4685.2	4017.6
20°	3682.7	3701.9	3673.1	3649.5	3688.0	3923.4	4114.9	4452.0	5061.8	4924.9	4156.7
22.5°	3998.3	4020.8	3952.3	3884.9	3860.3	4011.2	4150.2	4414.5	5144.2	5144.2	4280.8
25°	4380.3	4411.3	4305.4	4185.6	4117.1	4196.3	4301.1	4499.0	5228.7	5341.1	4365.3
27.5°	4807.2	4808.2	4717.3	4582.5	4454.1	4463.7	4526.9	4689.5	5321.8	5552.9	4431.6
30°	5287.6	5290.8	5169.9	5008.3	4846.8	4802.9	4856.4	4979.4	5515.5	5819.3	4523.6
32.5°	5908.1	5923.1	5749.8	5512.3	5302.6	5220.2	5251.2	5380.7	5823.6	6153.1	4661.7
35°	6747.0	6763.0	6507.3	6193.8	5860.0	5735.9	5766.9	5897.4	6269.8	6627.1	4882.1
37.5°	7575.1	7596.5	7337.6	7045.5	6587.5	6382.1	6414.2	6538.3	6939.5	7281.9	5235.2
40°	8147.5	8176.4	8096.1	7899.3	7474.5	7204.9	7243.4	7288.3	7676.7	8065.1	5693.1
42.5°	8449.2	8489.9	8524.1	8624.7	8401.1	8175.3	8110.0	8113.3	8426.7	8863.3	6169.2
45°	8467.4	8507.0	8682.5	9070.8	9241.0	9193.9	9075.1	8994.9	8999.2	9395.0	6466.6
47.5°	7878.9	7952.8	8281.2	9041.9	9681.8	10072.3	10012.4	9821.9	9239.9	9430.3	6434.5
50°	6484.8	6557.6	7154.6	8249.1	9360.8	10423.2	10670.4	10414.7	9082.6	8990.6	6103.9
52.5°	4709.8	4717.3	5104.6	6383.2	8059.8	9775.9	10358.0	10333.4	8842.9	8457.8	5652.4
55°	2237.2	2210.5	2645.9	3602.4	5574.3	7906.8	8887.9	9166.1	8502.7	8072.6	5302.6
57.5°	651.6	664.4	858.1	1405.9	2788.2	5053.3	6086.8	6604.7	6979.1	6636.8	4112.8
60°	292.1	293.2	326.3	428.0	928.7	2350.6	3146.7	3787.5	4172.7	3866.7	2040.3
62.5°	211.8	212.9	225.8	241.8	315.6	796.0	1180.1	1572.8	1601.7	1048.5	516.8
65°	176.5	176.5	178.7	178.7	189.4	284.6	358.4	462.2	389.5	288.9	202.2
67.5°	142.3	143.4	145.5	145.5	142.3	142.3	154.1	169.0	180.8	223.6	186.2
70°	111.3	110.2	110.2	111.3	108.1	92.0	99.5	113.4	124.1	174.4	161.6
72.5°	86.7	87.7	86.7	82.4	74.9	54.6	58.8	73.8	79.2	109.1	109.1
75°	65.3	66.3	62.1	47.1	31.0	17.1	22.5	36.4	46.0	53.5	39.6
77.5°	8.6	8.6	6.4	6.4	5.3	6.4	6.4	8.6	12.8	12.8	9.6
80°	1.1	1.1	1.1	2.1	3.2	4.3	4.3	4.3	4.3	5.3	5.3
82.5°	1.1	1.1	1.1	1.1	3.2	3.2	4.3	4.3	4.3	4.3	4.3
85°	0.0	0.0	0.0	1.1	2.1	3.2	3.2	4.3	4.3	4.3	4.3
87.5°	0.0	0.0	0.0	1.1	2.1	3.2	3.2	3.2	4.3	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633347

CATALOG NUMBER: GWS-SA2E-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6	3405.6
2.5°	3410.9	3348.9	3274.0	3222.6	3149.9	3101.7	3033.2	2987.2	2947.6	2916.6	2933.7
5°	3412.0	3313.6	3160.6	3030.0	2887.7	2757.2	2617.0	2506.8	2407.3	2362.4	2387.0
7.5°	3433.4	3292.2	3057.8	2825.7	2552.8	2283.2	2030.7	1825.3	1723.7	1675.5	1690.5
10°	3475.1	3282.5	2943.4	2558.2	2115.2	1747.2	1502.2	1363.1	1306.4	1276.4	1281.8
12.5°	3513.6	3276.1	2794.6	2206.2	1669.1	1355.6	1228.3	1209.0	1220.8	1221.9	1220.8
15°	3566.1	3264.3	2610.6	1844.6	1335.3	1171.6	1174.8	1202.6	1230.4	1239.0	1236.8
17.5°	3621.7	3246.2	2373.1	1497.9	1133.1	1118.1	1155.5	1193.0	1220.8	1225.1	1226.1
20°	3679.5	3208.7	2102.4	1222.9	1038.9	1077.4	1119.1	1147.0	1167.3	1173.7	1175.8
22.5°	3706.2	3129.5	1790.0	1026.1	975.8	1027.1	1058.2	1094.5	1101.0	1077.4	1081.7
25°	3692.3	2995.8	1485.1	893.4	912.6	964.0	1010.0	991.8	965.1	948.0	953.3
27.5°	3648.4	2818.2	1186.5	796.0	845.2	910.5	915.9	895.5	891.2	877.3	881.6
30°	3601.4	2613.8	954.4	717.9	776.8	845.2	829.2	836.7	837.8	821.7	827.1
32.5°	3572.5	2399.8	759.6	665.5	732.9	745.7	777.8	792.8	793.9	756.4	762.9
35°	3582.1	2189.1	643.0	622.7	692.2	689.0	734.0	742.5	680.5	629.1	634.5
37.5°	3660.2	1994.3	576.7	589.5	621.6	646.2	680.5	623.8	609.9	586.3	589.5
40°	3805.7	1828.5	537.1	569.2	573.5	613.1	560.6	568.1	569.2	554.2	557.4
42.5°	3975.8	1690.5	513.6	557.4	546.7	553.2	500.7	515.7	531.8	525.3	526.4
45°	4061.4	1555.7	493.2	516.8	520.0	459.0	447.2	463.3	483.6	486.8	487.9
47.5°	3985.5	1427.3	471.8	457.9	479.3	418.3	404.4	409.8	433.3	446.2	448.3
50°	3753.3	1279.6	439.7	405.5	393.7	375.5	362.7	363.8	390.5	413.0	417.3
52.5°	3427.0	1125.6	387.3	343.4	316.7	330.6	333.8	327.4	352.0	374.5	378.8
55°	3110.3	933.0	307.1	279.3	254.6	284.6	293.2	284.6	292.1	307.1	308.1
57.5°	2190.1	527.5	235.4	231.1	210.8	243.9	257.9	245.0	232.2	241.8	243.9
60°	1015.4	276.0	180.8	180.8	175.5	209.7	233.2	215.1	190.4	194.7	197.9
62.5°	317.8	174.4	132.7	125.2	143.4	178.7	197.9	179.7	150.9	150.9	155.1
65°	179.7	149.8	104.9	96.3	116.6	143.4	155.1	135.9	110.2	108.1	108.1
67.5°	166.9	142.3	93.1	78.1	82.4	92.0	96.3	83.5	76.0	74.9	76.0
70°	138.0	118.8	74.9	53.5	50.3	49.2	51.4	48.1	46.0	47.1	50.3
72.5°	85.6	71.7	47.1	32.1	27.8	26.7	26.7	26.7	25.7	25.7	25.7
75°	31.0	26.7	21.4	16.0	13.9	12.8	12.8	13.9	12.8	11.8	10.7
77.5°	9.6	8.6	8.6	8.6	7.5	6.4	5.3	5.3	4.3	3.2	3.2
80°	5.3	5.3	5.3	5.3	4.3	4.3	3.2	2.1	1.1	1.1	0.0
82.5°	5.3	5.3	5.3	4.3	4.3	4.3	3.2	2.1	1.1	0.0	0.0
85°	4.3	4.3	4.3	4.3	4.3	4.3	3.2	2.1	1.1	0.0	0.0
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	3.2	2.1	1.1	0.0	0.0
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)