

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: P635549

Luminaire Tested: GWS-SA3E-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13584.3 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

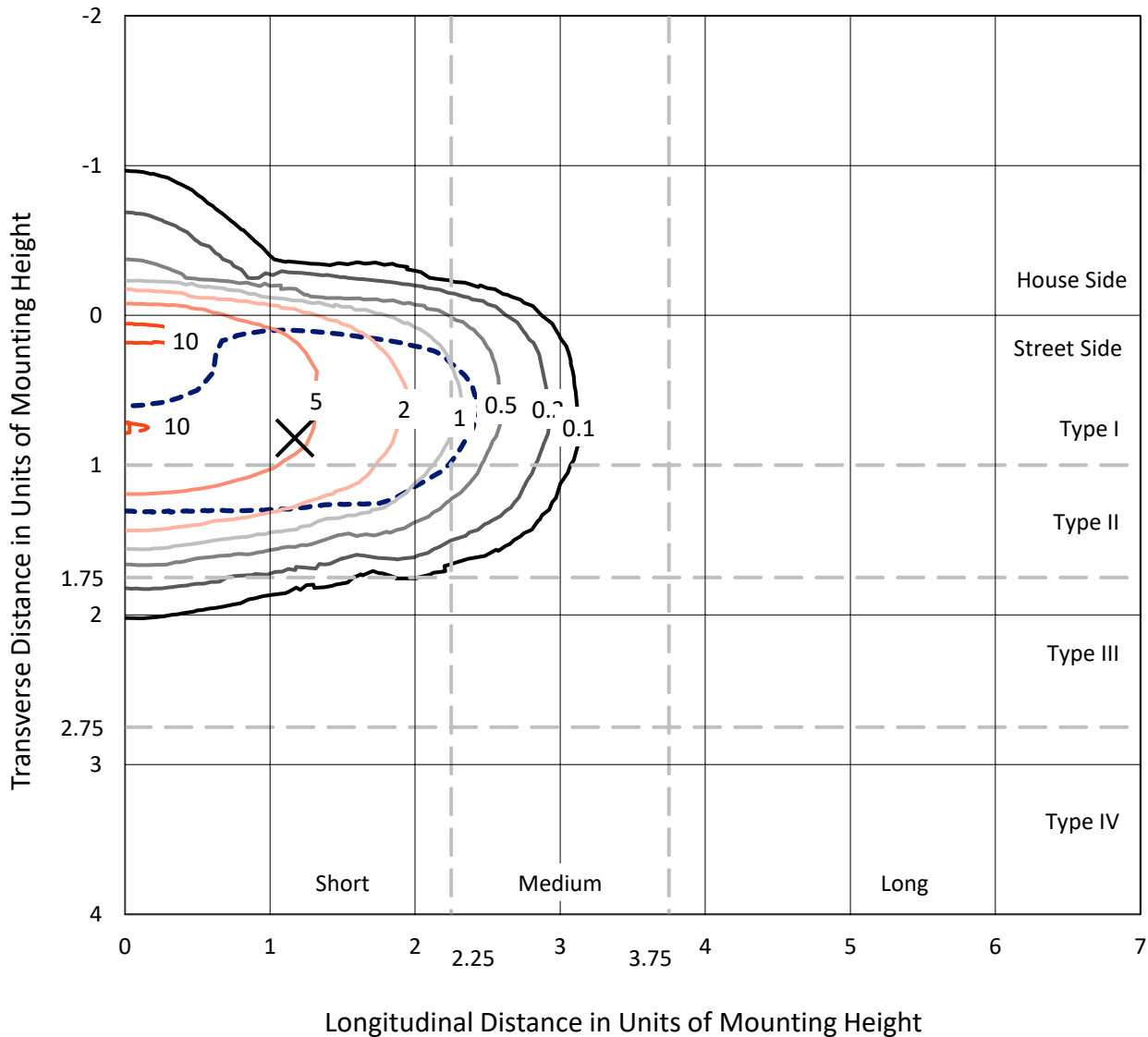
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

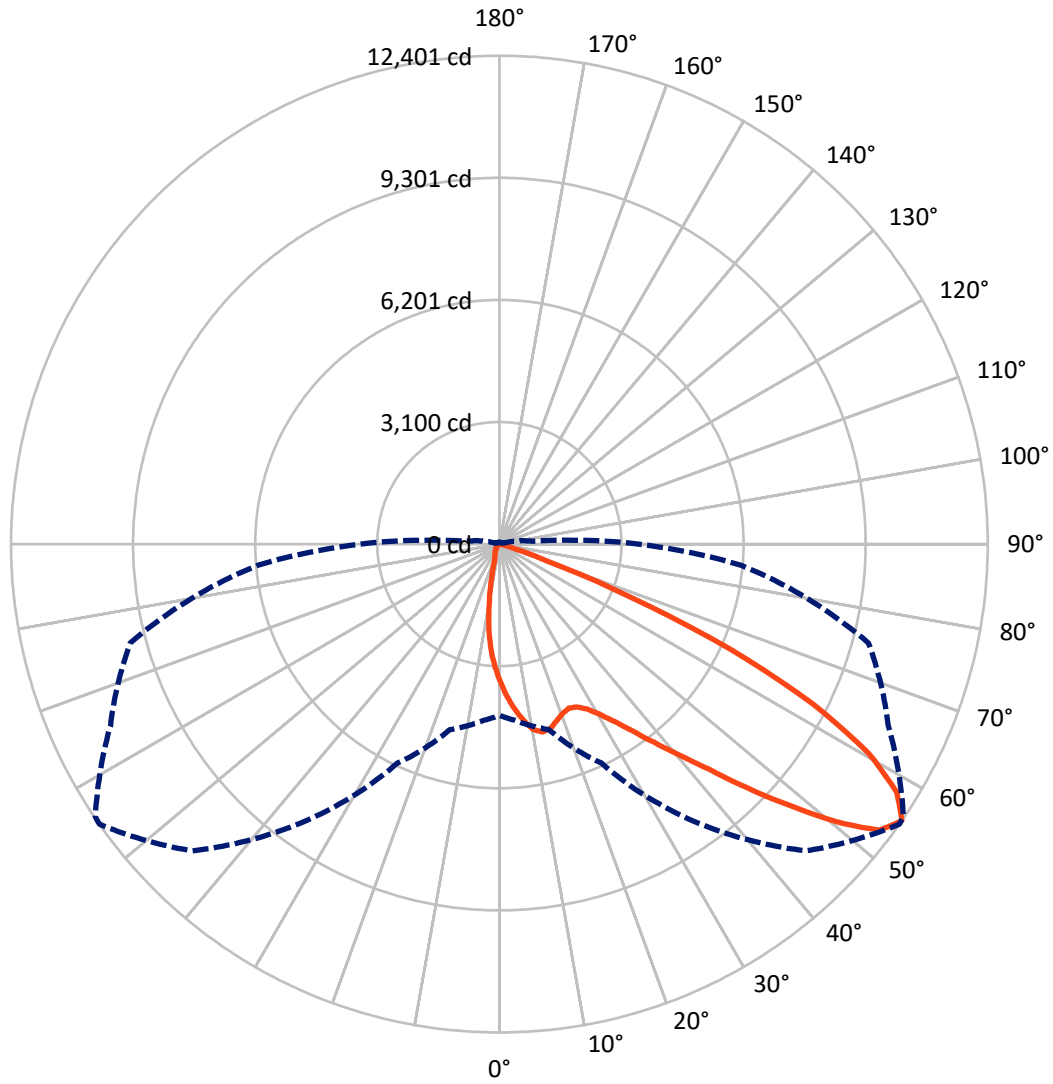
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	838.2	0.0	838.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	12746.1	0.0	12746.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	13584.3	0.0	13584.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.1	2.3
10°-20°	747.7	5.5
20°-30°	1245.3	9.2
30°-40°	2122.0	15.6
40°-50°	3463.8	25.5
50°-60°	3626.5	26.7
60°-70°	1829.1	13.5
70°-80°	231.0	1.7
80°-90°	8.8	0.1
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°	13584.3	100.0
0°-180°	13584.3	100.0

Coefficient of Utilization



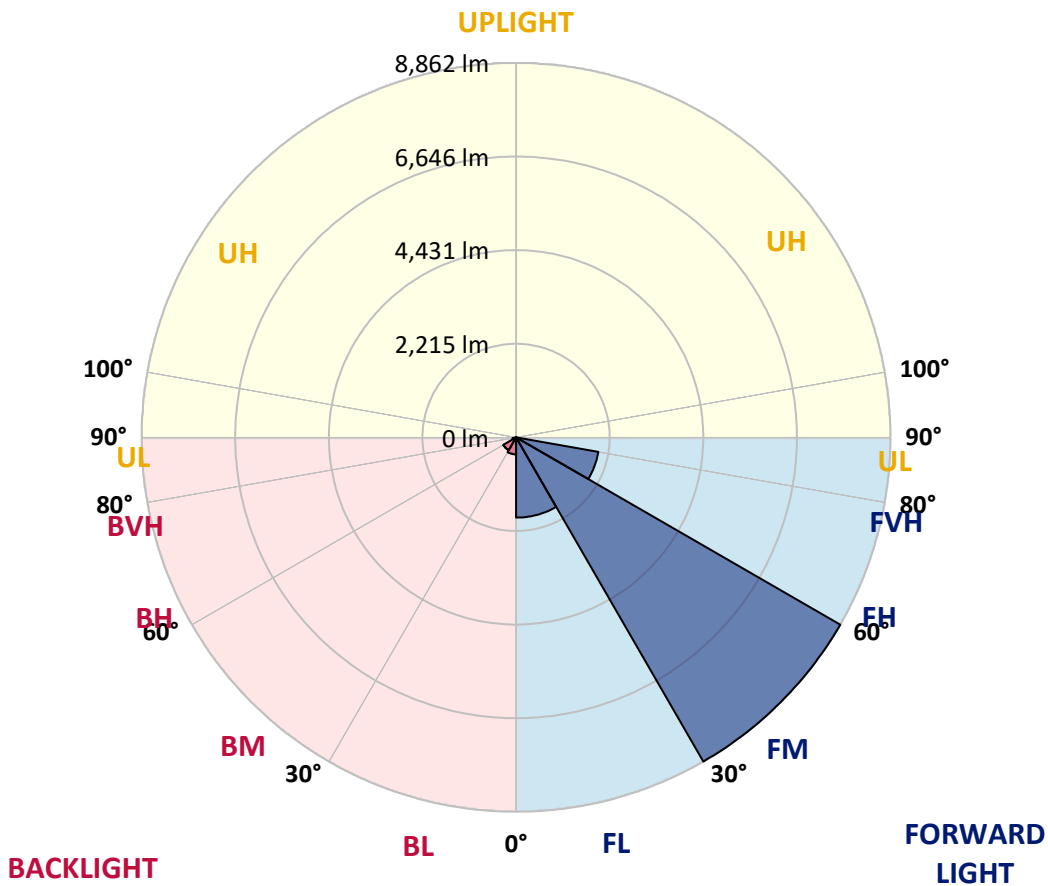
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1900.3	14.0			
FM (30°-60°)	8861.8	65.2			
FH (60°-80°)	1976.1	14.5			G2/5000
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	402.9	3.0	B1/500		
BM (30°-60°)	350.5	2.6	B1/1000		
BH (60°-80°)	84.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4
2.5°	4091.2	4071.4	4101.6	4066.8	4007.6	3957.6	3892.6	3869.4	3764.9	3666.2	3570.9
5°	4588.2	4594.0	4584.7	4536.0	4452.3	4359.4	4228.2	4199.2	4016.9	3828.7	3625.5
7.5°	4711.3	4707.8	4727.6	4746.2	4732.2	4685.8	4542.9	4513.9	4287.4	4005.3	3709.1
10°	4331.6	4333.9	4374.5	4500.0	4655.6	4817.0	4794.9	4778.7	4556.9	4205.0	3802.0
12.5°	3795.1	3816.0	3858.9	4037.8	4301.4	4668.3	4896.0	4912.2	4804.2	4424.5	3911.2
15°	3562.8	3567.5	3602.3	3710.3	3906.5	4359.4	4853.0	4898.3	5010.9	4645.1	4029.6
17.5°	3557.0	3562.8	3577.9	3625.5	3753.3	4116.7	4714.8	4793.8	5166.5	4882.0	4171.3
20°	3775.3	3771.8	3761.4	3735.8	3791.6	4036.6	4587.1	4674.2	5251.3	5113.1	4314.2
22.5°	4171.3	4166.7	4120.2	4014.5	3969.3	4109.8	4524.3	4603.3	5302.4	5318.7	4431.4
25°	4627.7	4660.2	4573.1	4412.9	4301.4	4296.7	4580.1	4635.8	5346.5	5501.0	4511.6
27.5°	5128.2	5138.7	5064.3	4884.3	4722.9	4596.3	4741.5	4783.3	5395.3	5663.6	4556.9
30°	5677.5	5674.0	5589.2	5380.2	5184.0	5001.6	5013.2	5029.5	5509.1	5849.4	4606.8
32.5°	6363.8	6378.9	6227.9	5943.4	5707.7	5455.7	5368.6	5370.9	5714.7	6088.6	4682.3
35°	7296.3	7259.2	7059.4	6654.1	6252.3	5980.6	5831.9	5819.2	6031.7	6410.3	4813.5
37.5°	8184.7	8188.2	7979.2	7533.2	7025.7	6597.2	6387.0	6352.2	6477.6	6856.2	5031.8
40°	8801.3	8813.0	8725.9	8492.4	7954.8	7348.6	7039.7	7003.7	7055.9	7420.6	5317.5
42.5°	9127.7	9160.2	9184.6	9239.1	8831.5	8286.9	7811.9	7808.4	7753.9	8063.9	5648.5
45°	9140.4	9189.2	9337.9	9710.6	9757.1	9357.6	8840.8	8763.0	8552.8	8752.6	5944.6
47.5°	8635.3	8747.9	9063.8	9802.4	10290.1	10422.5	9910.4	9862.7	9272.8	9297.2	6166.4
50°	7457.7	7575.0	8156.8	9332.0	10424.8	11267.9	11084.4	10985.7	9874.4	9657.2	6273.2
52.5°	6250.0	6356.8	6751.7	8212.6	9866.2	11533.8	12073.8	11956.5	10414.4	9782.6	6229.1
55°	4349.0	4491.8	4877.4	6138.5	8579.5	11015.9	12401.3	12376.9	10896.3	9703.7	6160.6
57.5°	2132.1	2273.8	2658.2	3784.6	6355.7	9617.7	11900.8	12029.7	11184.3	9618.9	6104.8
60°	890.7	948.8	1081.2	1660.6	3555.8	7268.5	10770.9	10949.7	11007.8	9503.9	6099.0
62.5°	516.8	526.1	540.0	688.6	1383.1	4166.7	8934.9	9189.2	10079.9	9351.8	6007.3
65°	390.2	393.7	387.9	422.7	571.3	1580.5	6455.6	6801.6	8413.5	8757.2	5645.0
67.5°	320.5	320.5	305.4	312.4	358.8	592.3	3564.0	4047.1	6225.6	7197.6	4661.4
70°	255.5	261.3	254.3	245.0	256.6	327.5	1268.1	1572.4	3625.5	4250.3	2718.6
72.5°	193.9	193.9	205.5	198.6	190.4	205.5	442.4	497.0	1455.1	1772.1	981.3
75°	149.8	154.5	162.6	155.6	144.0	121.9	212.5	225.3	439.0	412.3	219.5
77.5°	76.6	77.8	103.4	113.8	106.8	74.3	92.9	102.2	142.8	127.7	81.3
80°	46.5	48.8	58.1	89.4	70.8	39.5	38.3	40.6	67.4	58.1	33.7
82.5°	19.7	20.9	32.5	32.5	29.0	15.1	15.1	15.1	32.5	30.2	13.9
85°	0.0	0.0	5.8	4.6	4.6	5.8	5.8	5.8	8.1	11.6	7.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.5	3.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4	3509.4
2.5°	3509.4	3435.1	3335.2	3244.6	3122.7	3054.2	2958.9	2881.1	2814.9	2794.0	2784.7
5°	3510.5	3382.8	3169.1	2955.5	2693.0	2486.3	2273.8	2105.4	1967.2	1923.1	1911.5
7.5°	3533.8	3345.6	2999.6	2611.7	2172.8	1810.4	1486.4	1196.1	1061.4	1016.1	1006.8
10°	3565.1	3314.3	2803.3	2199.5	1568.9	1103.2	781.5	595.7	507.5	458.7	465.7
12.5°	3605.8	3288.7	2586.2	1753.5	1038.2	606.2	429.7	360.0	341.4	332.1	327.5
15°	3660.4	3258.6	2316.8	1311.1	636.4	390.2	331.0	312.4	305.4	300.8	299.6
17.5°	3716.1	3223.7	2042.7	922.1	422.7	324.0	297.3	288.0	283.4	279.9	278.7
20°	3775.3	3164.5	1721.0	635.2	333.3	291.5	274.1	263.6	257.8	252.0	250.8
22.5°	3800.9	3069.3	1413.3	444.8	296.1	268.3	246.2	233.4	226.4	221.8	221.8
25°	3776.5	2914.8	1095.1	337.9	269.4	242.7	220.6	206.7	200.9	196.3	196.3
27.5°	3711.5	2716.2	799.0	279.9	240.4	216.0	195.1	182.3	177.7	175.4	175.4
30°	3639.5	2465.4	563.2	240.4	207.9	188.1	170.7	162.6	161.4	159.1	159.1
32.5°	3577.9	2230.8	387.9	211.4	183.5	163.7	152.1	148.6	149.8	147.5	148.6
35°	3544.2	2000.9	288.0	188.1	163.7	145.2	139.4	139.4	139.4	138.2	138.2
37.5°	3558.2	1774.4	234.6	171.9	146.3	132.4	126.6	128.9	131.2	131.2	131.2
40°	3627.8	1573.5	207.9	156.8	131.2	120.8	116.1	119.6	123.1	125.4	125.4
42.5°	3716.1	1411.0	188.1	144.0	120.8	109.2	106.8	110.3	113.8	116.1	116.1
45°	3771.8	1247.2	168.4	127.7	110.3	96.4	96.4	101.0	99.9	101.0	101.0
47.5°	3797.4	1117.2	148.6	110.3	94.1	83.6	84.8	87.1	84.8	87.1	87.1
50°	3734.7	985.9	131.2	91.7	77.8	73.2	75.5	74.3	74.3	79.0	79.0
52.5°	3619.7	888.4	116.1	77.8	66.2	65.0	67.4	62.7	63.9	63.9	62.7
55°	3534.9	832.6	103.4	67.4	56.9	58.1	56.9	48.8	44.1	39.5	38.3
57.5°	3493.1	810.6	94.1	60.4	51.1	51.1	46.5	33.7	25.5	19.7	17.4
60°	3483.8	783.9	84.8	52.3	45.3	43.0	33.7	19.7	12.8	9.3	8.1
62.5°	3395.6	718.8	76.6	41.8	39.5	34.8	20.9	11.6	7.0	4.6	3.5
65°	3106.4	591.1	68.5	32.5	30.2	25.5	12.8	7.0	3.5	1.2	0.0
67.5°	2471.2	419.2	60.4	24.4	20.9	16.3	8.1	4.6	1.2	0.0	0.0
70°	1424.9	226.4	49.9	17.4	13.9	10.5	5.8	2.3	0.0	0.0	0.0
72.5°	476.1	105.7	38.3	11.6	10.5	8.1	3.5	1.2	0.0	0.0	0.0
75°	104.5	62.7	25.5	8.1	7.0	5.8	2.3	0.0	0.0	0.0	0.0
77.5°	39.5	44.1	12.8	5.8	4.6	3.5	1.2	0.0	0.0	0.0	0.0
80°	15.1	29.0	5.8	3.5	3.5	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	8.1	11.6	3.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.6	5.8	2.3	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	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)