

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: P643478

Luminaire Tested: GWS-SA6F-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21442.5 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

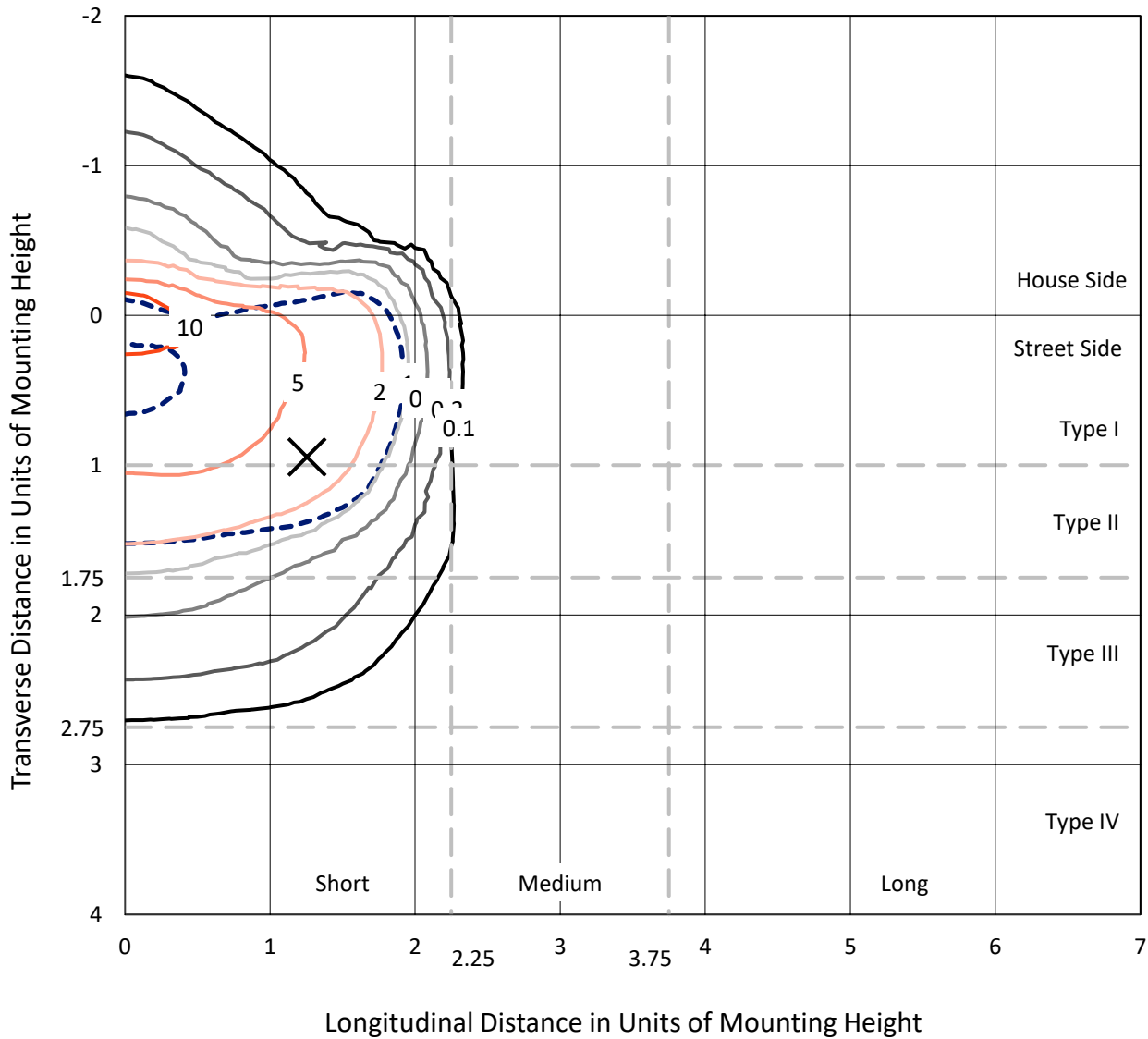
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

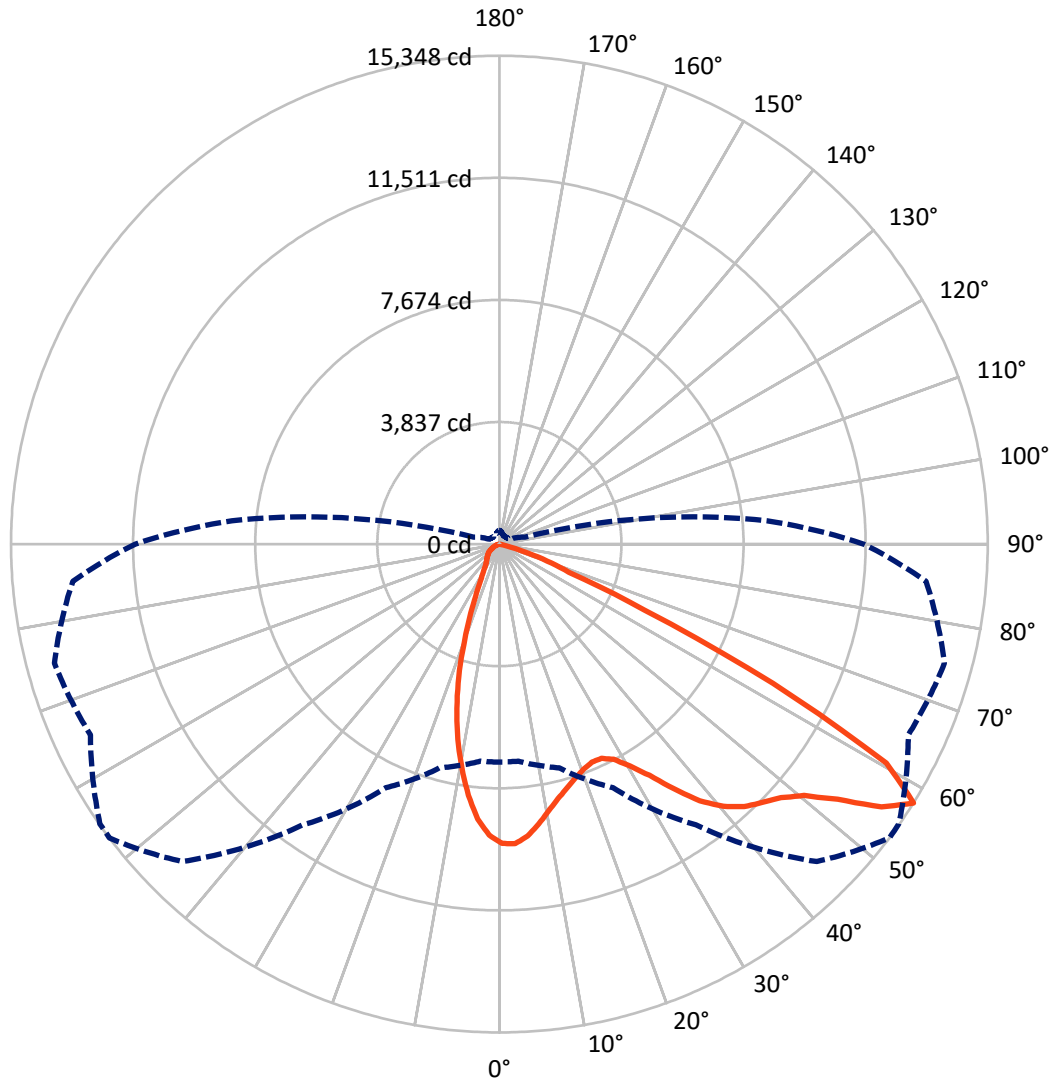
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3542.0	0.0	3542.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	17900.5	0.0	17900.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	21442.5	0.0	21442.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.8	3.8
10°-20°	1766.7	8.2
20°-30°	2301.6	10.7
30°-40°	3338.5	15.6
40°-50°	4817.2	22.5
50°-60°	5826.0	27.2
60°-70°	2374.4	11.1
70°-80°	213.4	1.0
80°-90°	0.0	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°	21442.5	100.0
0°-180°	21442.5	100.0

Coefficient of Utilization



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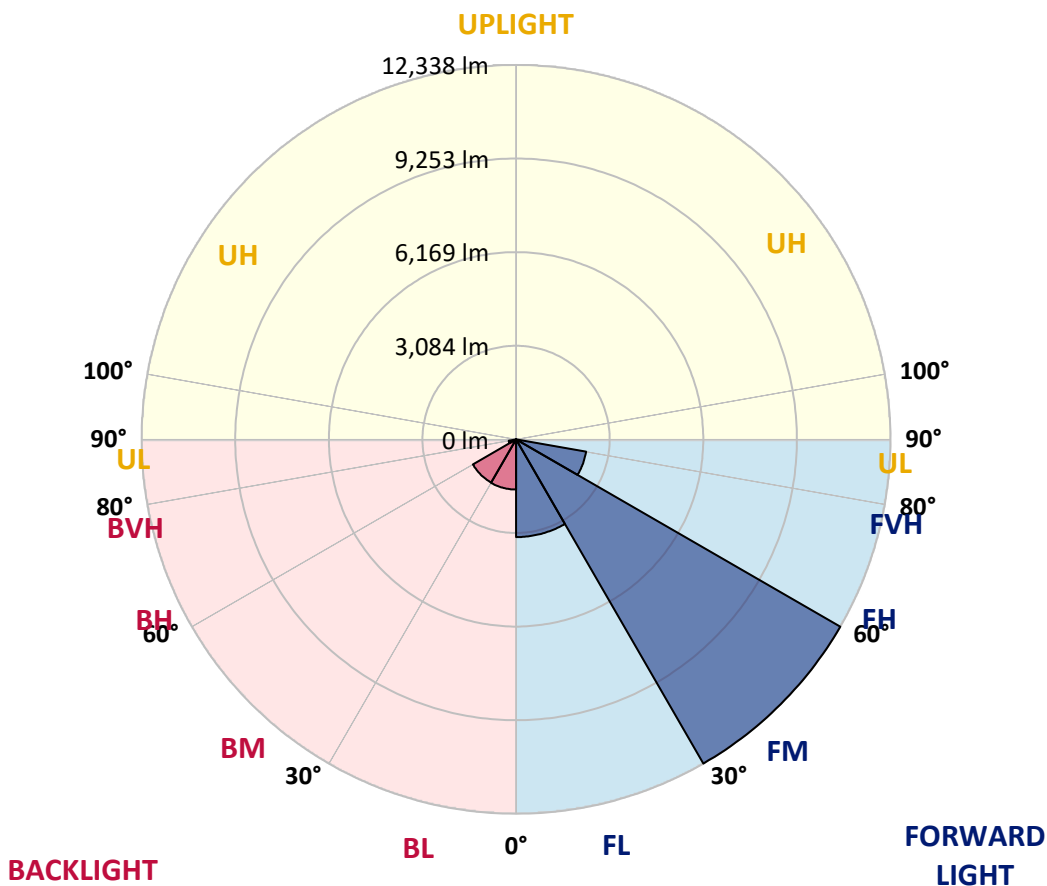
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3220.0	15.0			
FM (30°-60°)	12337.6	57.5			
FH (60°-80°)	2342.9	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1653.1	7.7	B3/2500		
BM (30°-60°)	1644.0	7.7	B2/2500		
BH (60°-80°)	244.8	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9
2.5°	9274.5	9295.5	9332.3	9379.6	9411.2	9426.9	9426.9	9471.6	9442.7	9419.0	9392.8
5°	8877.7	8898.7	8948.6	9024.8	9101.0	9156.2	9219.3	9266.6	9285.0	9285.0	9240.3
7.5°	8317.9	8346.8	8378.3	8483.4	8649.0	8772.5	8880.3	8948.6	9048.5	9080.0	9016.9
10°	7716.0	7745.0	7815.9	7960.5	8149.7	8333.6	8517.6	8604.3	8775.2	8864.5	8793.6
12.5°	7206.2	7219.3	7314.0	7487.4	7729.2	7981.5	8204.9	8294.2	8536.0	8670.0	8585.9
15°	6785.7	6793.6	6888.2	7080.1	7358.6	7668.7	7949.9	8041.9	8338.9	8541.3	8415.1
17.5°	6467.7	6470.3	6551.8	6759.4	7051.1	7395.4	7729.2	7842.2	8225.9	8470.3	8281.1
20°	6307.4	6299.5	6357.3	6538.7	6814.6	7158.9	7553.1	7692.4	8162.8	8459.8	8178.6
22.5°	6310.0	6291.6	6315.3	6444.1	6678.0	7001.2	7442.7	7600.4	8168.1	8504.5	8091.9
25°	6459.8	6433.5	6438.8	6507.1	6672.7	6967.0	7458.5	7626.7	8273.2	8654.3	8060.3
27.5°	6712.1	6683.2	6683.2	6717.4	6806.7	7074.8	7655.6	7847.5	8554.4	8946.0	8126.0
30°	7038.0	7009.1	6998.6	7032.7	7106.3	7353.4	8094.5	8294.2	9035.3	9424.3	8336.3
32.5°	7411.2	7377.0	7395.4	7442.7	7513.7	7855.3	8659.5	8925.0	9637.2	10068.2	8714.7
35°	7805.4	7776.5	7860.6	7963.1	8073.5	8551.8	9440.1	9671.3	10375.7	10869.7	9292.9
37.5°	8181.2	8168.1	8344.2	8559.7	8788.3	9387.5	10233.7	10412.5	11009.0	11742.3	9999.8
40°	8557.0	8554.4	8856.6	9235.1	9600.4	10220.6	10835.6	10982.8	11395.4	12420.3	10677.9
42.5°	8977.5	8977.5	9395.4	9900.0	10386.2	10924.9	11277.1	11342.8	11568.8	12811.9	11187.7
45°	9379.6	9403.3	9886.8	10472.9	11048.5	11474.2	11582.0	11587.2	11639.8	13043.2	11610.9
47.5°	9697.6	9718.6	10296.8	10972.2	11592.5	11892.1	11907.8	11884.2	11826.4	13263.9	11936.7
50°	9955.2	9986.7	10591.2	11306.0	11965.7	12294.2	12415.1	12391.4	12244.2	13500.5	12165.4
52.5°	10081.3	10126.0	10693.7	11471.6	12380.9	12982.7	13319.1	13374.3	12869.7	13631.9	12383.5
55°	9072.1	9137.8	9660.8	10725.2	12612.2	14047.1	14575.3	14564.8	13547.8	14023.4	12914.4
57.5°	6851.4	6846.2	7279.8	8444.0	10772.5	14107.5	15348.0	15327.0	14181.1	14478.1	13458.4
60°	4664.8	4633.3	4748.9	5311.4	7532.1	11492.6	13968.3	14252.1	13731.7	13374.3	11426.9
62.5°	3839.6	3810.7	3773.9	3618.9	4325.8	7158.9	9650.3	10081.3	10013.0	9295.5	7166.8
65°	3143.2	3166.8	3269.3	3203.6	3009.2	3671.4	5009.1	5264.0	4812.0	4049.9	2504.6
67.5°	2318.0	2328.5	2462.5	2809.4	2704.3	2444.1	2357.4	2399.4	1406.0	646.5	417.9
70°	1369.2	1377.1	1500.6	1965.8	2194.4	1876.5	1592.6	1569.0	557.2	173.5	189.2
72.5°	775.3	759.5	783.2	935.6	1195.8	996.0	820.0	746.4	168.2	97.2	97.2
75°	367.9	357.4	307.5	289.1	262.8	168.2	105.1	89.4	42.0	39.4	39.4
77.5°	2.6	7.9	5.3	7.9	7.9	5.3	2.6	2.6	7.9	7.9	10.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9	9405.9
2.5°	9345.5	9266.6	9248.2	9243.0	9169.4	9090.5	9009.1	8977.5	8930.2	8901.3	8925.0
5°	9169.4	9056.4	8956.5	8864.5	8701.6	8522.9	8367.8	8267.9	8173.3	8110.3	8126.0
7.5°	8919.7	8772.5	8543.9	8310.0	8010.4	7742.3	7442.7	7258.8	7087.9	6993.3	7038.0
10°	8654.3	8459.8	8094.5	7697.7	7227.2	6806.7	6378.4	6028.8	5826.5	5634.6	5655.6
12.5°	8394.1	8136.5	7589.9	6988.1	6394.1	5773.9	5127.4	4643.8	4312.7	4073.5	4036.7
15°	8152.3	7821.2	7098.4	6304.8	5495.3	4670.1	3844.9	3153.7	2770.0	2533.5	2517.7
17.5°	7936.8	7526.8	6588.6	5589.9	4575.5	3519.0	2570.3	2052.5	1831.8	1729.3	1718.8
20°	7729.2	7229.9	6068.2	4864.6	3571.6	2470.4	1774.0	1534.8	1463.8	1421.8	1427.0
22.5°	7529.5	6906.6	5521.6	4060.4	2678.0	1734.5	1374.5	1282.5	1274.6	1279.9	1282.5
25°	7361.3	6609.6	4959.2	3285.1	1910.6	1321.9	1148.5	1122.2	1145.8	1180.0	1185.3
27.5°	7274.5	6367.8	4409.9	2504.6	1382.4	1074.9	996.0	1006.6	1048.6	1085.4	1090.7
30°	7298.2	6186.5	3842.3	1816.0	1064.4	906.7	880.4	901.4	943.5	977.6	982.9
32.5°	7466.4	6094.5	3261.4	1321.9	875.2	791.1	780.5	796.3	833.1	859.4	862.0
35°	7800.1	6115.5	2709.6	1011.8	751.6	704.3	701.7	712.2	730.6	749.0	751.6
37.5°	8291.6	6286.4	2165.5	841.0	680.7	646.5	636.0	636.0	649.1	657.0	662.3
40°	8819.8	6543.9	1734.5	743.7	630.7	593.9	572.9	565.0	575.5	586.1	588.7
42.5°	9256.1	6801.5	1408.7	675.4	591.3	541.4	515.1	509.8	523.0	541.4	546.6
45°	9589.9	7001.2	1174.8	620.2	546.6	491.5	462.5	462.5	486.2	517.7	523.0
47.5°	9894.7	7161.5	1001.3	570.3	504.6	446.8	417.9	423.1	462.5	504.6	512.5
50°	10102.3	7290.3	872.5	525.6	470.4	410.0	383.7	394.2	441.5	491.5	499.3
52.5°	10325.7	7448.0	788.4	486.2	438.9	381.1	357.4	365.3	417.9	473.1	483.6
55°	10943.3	7976.2	785.8	433.6	383.7	341.7	331.1	333.8	386.3	449.4	462.5
57.5°	11447.9	8441.4	838.4	365.3	320.6	299.6	294.3	297.0	344.3	415.2	431.0
60°	9471.6	6559.7	693.8	302.2	268.1	262.8	254.9	260.2	304.9	367.9	381.1
62.5°	5605.7	3750.3	331.1	231.3	228.6	223.4	215.5	226.0	268.1	323.3	331.1
65°	1915.9	1111.7	210.2	189.2	194.5	186.6	178.7	189.2	226.0	257.6	260.2
67.5°	367.9	294.3	168.2	157.7	160.3	144.5	141.9	152.4	173.5	178.7	176.1
70°	191.8	170.8	128.8	128.8	123.5	102.5	102.5	113.0	113.0	105.1	102.5
72.5°	99.9	94.6	84.1	94.6	78.8	63.1	63.1	68.3	63.1	52.6	52.6
75°	39.4	39.4	36.8	47.3	34.2	28.9	26.3	31.5	23.7	18.4	18.4
77.5°	10.5	10.5	10.5	13.1	7.9	7.9	5.3	5.3	2.6	0.0	0.0
80°	0.0	2.6	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)