

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: P642763

Luminaire Tested: GWS-SA6D-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642763
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-SA6D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21432.1 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

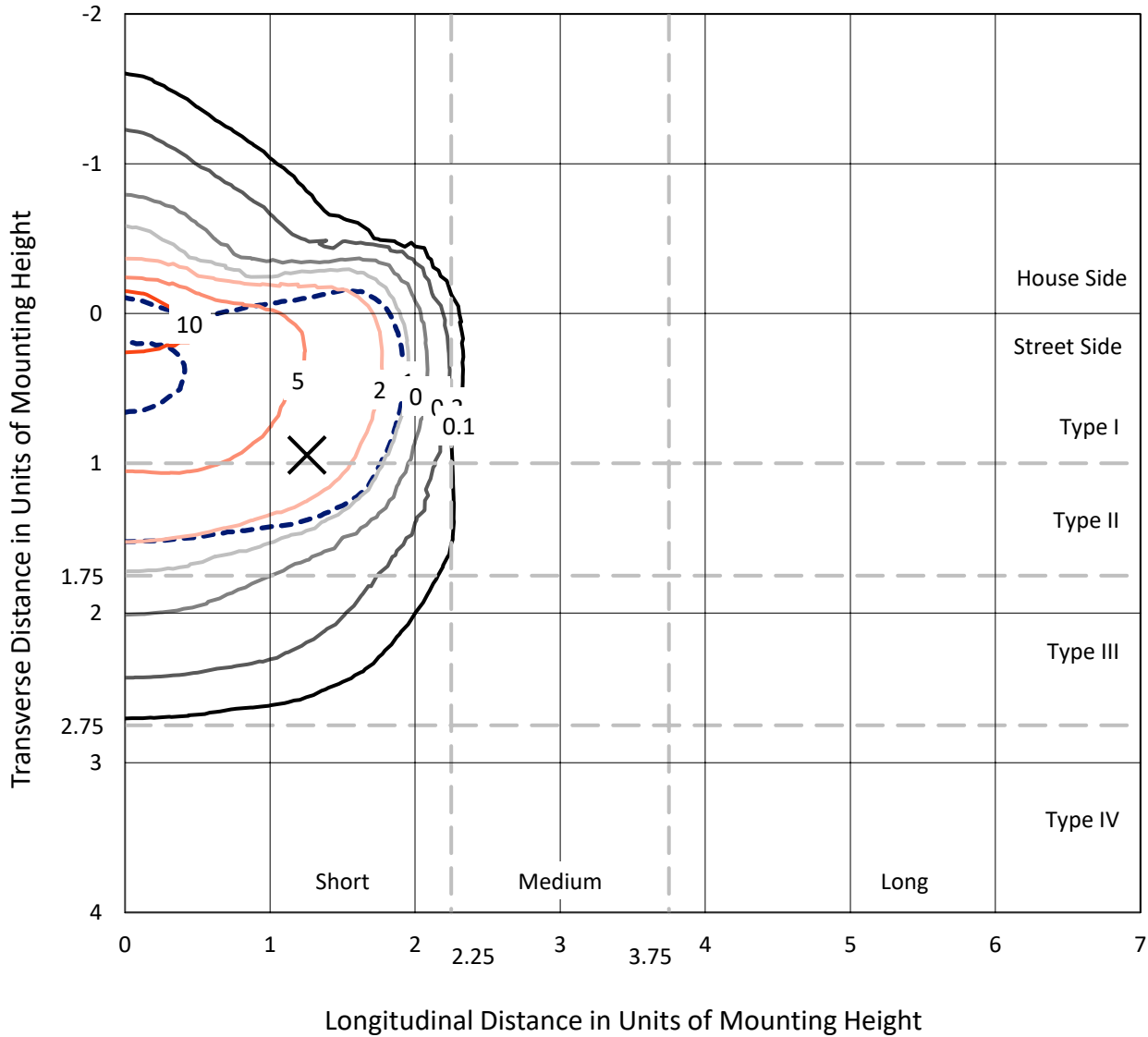
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

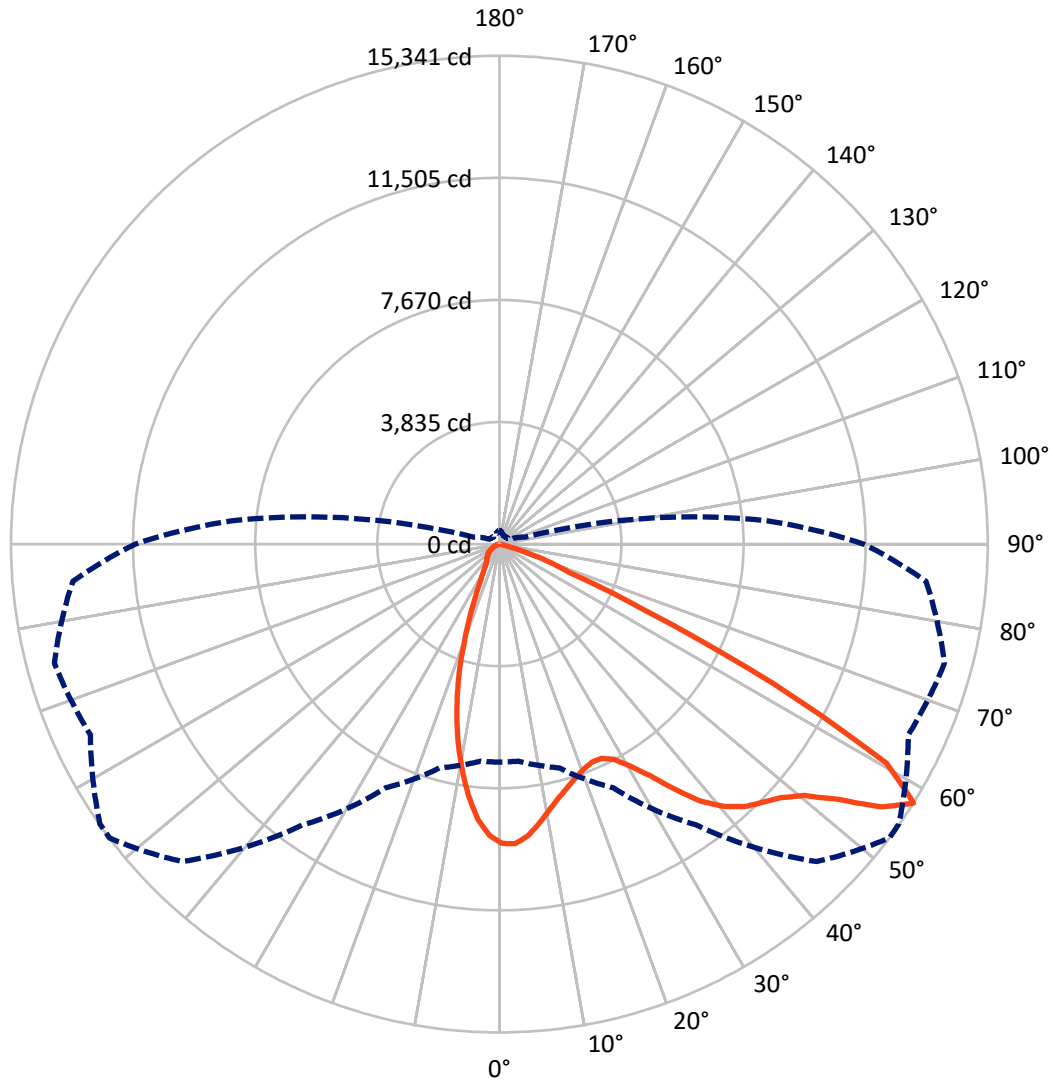
✕ Max cd
 - - - 1/2 Max cd



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	3540.3	0.0	3540.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	17891.8	0.0	17891.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	21432.1	0.0	21432.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.4	3.8
10°-20°	1765.9	8.2
20°-30°	2300.5	10.7
30°-40°	3336.9	15.6
40°-50°	4814.8	22.5
50°-60°	5823.1	27.2
60°-70°	2373.3	11.1
70°-80°	213.2	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°	21432.1	100.0
0°-180°	21432.1	100.0

Coefficient of Utilization



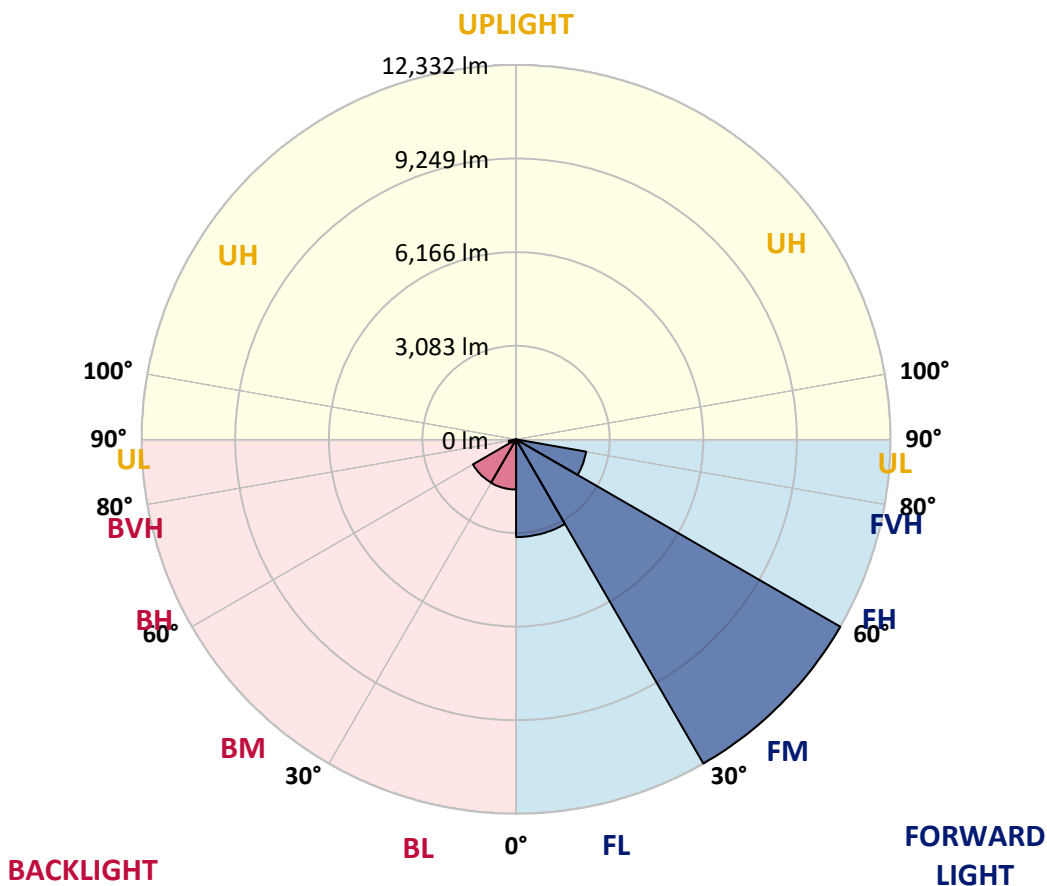
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3218.4	15.0			
FM (30°-60°)	12331.6	57.5			
FH (60°-80°)	2341.8	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1652.3	7.7	B3/2500		
BM (30°-60°)	1643.2	7.7	B2/2500		
BH (60°-80°)	244.7	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°	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3
2.5°	9270.0	9291.0	9327.8	9375.1	9406.6	9422.4	9422.4	9467.0	9438.1	9414.5	9388.2
5°	8873.4	8894.4	8944.3	9020.5	9096.6	9151.8	9214.8	9262.1	9280.5	9280.5	9235.9
7.5°	8313.8	8342.7	8374.3	8479.3	8644.8	8768.3	8876.0	8944.3	9044.1	9075.6	9012.6
10°	7712.3	7741.2	7812.1	7956.6	8145.7	8329.6	8513.5	8600.2	8770.9	8860.2	8789.3
12.5°	7202.7	7215.8	7310.4	7483.8	7725.4	7977.6	8200.9	8290.2	8531.9	8665.8	8581.8
15°	6782.4	6790.3	6884.9	7076.6	7355.1	7665.0	7946.1	8038.0	8334.9	8537.1	8411.0
17.5°	6464.6	6467.2	6548.6	6756.1	7047.7	7391.8	7725.4	7838.4	8221.9	8466.2	8277.1
20°	6304.3	6296.5	6354.2	6535.5	6811.3	7155.4	7549.4	7688.7	8158.9	8455.7	8174.6
22.5°	6307.0	6288.6	6312.2	6440.9	6674.7	6997.8	7439.1	7596.7	8164.1	8500.3	8087.9
25°	6456.7	6430.4	6435.7	6504.0	6669.5	6963.7	7454.9	7623.0	8269.2	8650.1	8056.4
27.5°	6708.9	6680.0	6680.0	6714.1	6803.4	7071.4	7651.9	7843.6	8550.3	8941.6	8122.1
30°	7034.6	7005.7	6995.2	7029.3	7102.9	7349.8	8090.6	8290.2	9031.0	9419.7	8332.2
32.5°	7407.6	7373.4	7391.8	7439.1	7510.0	7851.5	8655.3	8920.6	9632.5	10063.3	8710.5
35°	7801.6	7772.7	7856.8	7959.2	8069.5	8547.6	9435.5	9666.6	10370.6	10864.5	9288.4
37.5°	8177.2	8164.1	8340.1	8555.5	8784.0	9383.0	10228.8	10407.4	11003.7	11736.6	9995.0
40°	8552.9	8550.3	8852.3	9230.6	9595.7	10215.7	10830.3	10977.4	11389.8	12414.3	10672.7
42.5°	8973.2	8973.2	9390.8	9895.2	10381.1	10919.6	11271.6	11337.3	11563.2	12805.7	11182.3
45°	9375.1	9398.7	9882.0	10467.8	11043.1	11468.6	11576.3	11581.6	11634.1	13036.8	11605.2
47.5°	9692.9	9713.9	10291.8	10966.9	11586.8	11886.3	11902.1	11878.4	11820.6	13257.5	11931.0
50°	9950.3	9981.9	10586.0	11300.5	11959.9	12288.2	12409.0	12385.4	12238.3	13493.9	12159.5
52.5°	10076.4	10121.1	10688.5	11466.0	12374.9	12976.4	13312.7	13367.8	12863.5	13625.2	12377.5
55°	9067.7	9133.4	9656.1	10720.0	12606.0	14040.3	14568.3	14557.8	13541.2	14016.6	12908.1
57.5°	6848.1	6842.8	7276.3	8439.9	10767.3	14100.7	15340.6	15319.5	14174.2	14471.1	13451.9
60°	4662.6	4631.1	4746.6	5308.8	7528.4	11487.0	13961.5	14245.2	13725.1	13367.8	11421.4
62.5°	3837.8	3808.9	3772.1	3617.1	4323.7	7155.4	9645.6	10076.4	10008.1	9291.0	7163.3
65°	3141.7	3165.3	3267.7	3202.1	3007.7	3669.6	5006.7	5261.5	4809.7	4047.9	2503.3
67.5°	2316.8	2327.4	2461.3	2808.1	2703.0	2442.9	2356.2	2398.3	1405.3	646.2	417.7
70°	1368.6	1376.4	1499.9	1964.9	2193.4	1875.5	1591.8	1568.2	556.9	173.4	189.1
72.5°	774.9	759.1	782.8	935.1	1195.2	995.6	819.6	746.0	168.1	97.2	97.2
75°	367.8	357.2	307.3	288.9	262.7	168.1	105.1	89.3	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°	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3	9401.3
2.5°	9340.9	9262.1	9243.7	9238.5	9164.9	9086.1	9004.7	8973.2	8925.9	8897.0	8920.6
5°	9164.9	9052.0	8952.2	8860.2	8697.4	8518.7	8363.8	8263.9	8169.4	8106.3	8122.1
7.5°	8915.4	8768.3	8539.7	8306.0	8006.5	7738.6	7439.1	7255.2	7084.5	6989.9	7034.6
10°	8650.1	8455.7	8090.6	7693.9	7223.7	6803.4	6375.3	6025.9	5823.6	5631.9	5652.9
12.5°	8390.0	8132.6	7586.2	6984.7	6391.0	5771.1	5124.9	4641.6	4310.6	4071.6	4034.8
15°	8148.4	7817.4	7095.0	6301.7	5492.7	4667.8	3843.0	3152.2	2768.7	2532.2	2516.5
17.5°	7933.0	7523.2	6585.4	5587.2	4573.3	3517.3	2569.0	2051.5	1830.9	1728.4	1717.9
20°	7725.4	7226.3	6065.3	4862.2	3569.8	2469.2	1773.1	1534.1	1463.1	1421.1	1426.4
22.5°	7525.8	6903.2	5518.9	4058.4	2676.7	1733.7	1373.8	1281.9	1274.0	1279.3	1281.9
25°	7357.7	6606.4	4956.8	3283.5	1909.7	1321.3	1147.9	1121.6	1145.3	1179.4	1184.7
27.5°	7271.0	6364.8	4407.8	2503.3	1381.7	1074.4	995.6	1006.1	1048.1	1084.9	1090.1
30°	7294.6	6183.5	3840.4	1815.1	1063.9	906.2	880.0	901.0	943.0	977.2	982.4
32.5°	7462.8	6091.6	3259.9	1321.3	874.7	790.7	780.2	795.9	832.7	859.0	861.6
35°	7796.4	6112.6	2708.2	1011.3	751.3	704.0	701.4	711.9	730.3	748.6	751.3
37.5°	8287.6	6283.3	2164.5	840.6	680.3	646.2	635.7	635.7	648.8	656.7	662.0
40°	8815.6	6540.7	1733.7	743.4	630.4	593.7	572.6	564.8	575.3	585.8	588.4
42.5°	9251.6	6798.2	1408.0	675.1	591.0	541.1	514.9	509.6	522.7	541.1	546.4
45°	9585.2	6997.8	1174.2	619.9	546.4	491.2	462.3	462.3	486.0	517.5	522.7
47.5°	9889.9	7158.0	1000.8	570.0	504.3	446.6	417.7	422.9	462.3	504.3	512.2
50°	10097.4	7286.8	872.1	525.4	470.2	409.8	383.5	394.0	441.3	491.2	499.1
52.5°	10320.7	7444.4	788.0	486.0	438.7	380.9	357.2	365.1	417.7	472.8	483.3
55°	10938.0	7972.4	785.4	433.4	383.5	341.5	331.0	333.6	386.1	449.2	462.3
57.5°	11442.4	8437.3	838.0	365.1	320.5	299.5	294.2	296.8	344.1	415.0	430.8
60°	9467.0	6556.5	693.5	302.1	267.9	262.7	254.8	260.1	304.7	367.8	380.9
62.5°	5603.0	3748.5	331.0	231.2	228.5	223.3	215.4	225.9	267.9	323.1	331.0
65°	1914.9	1111.1	210.1	189.1	194.4	186.5	178.6	189.1	225.9	257.4	260.1
67.5°	367.8	294.2	168.1	157.6	160.2	144.5	141.8	152.4	173.4	178.6	176.0
70°	191.8	170.7	128.7	128.7	123.5	102.4	102.4	113.0	113.0	105.1	102.4
72.5°	99.8	94.6	84.1	94.6	78.8	63.0	63.0	68.3	63.0	52.5	52.5
75°	39.4	39.4	36.8	47.3	34.1	28.9	26.3	31.5	23.6	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)