

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: P643643

Luminaire Tested: GWS-SA6F-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643643
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28711.3 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

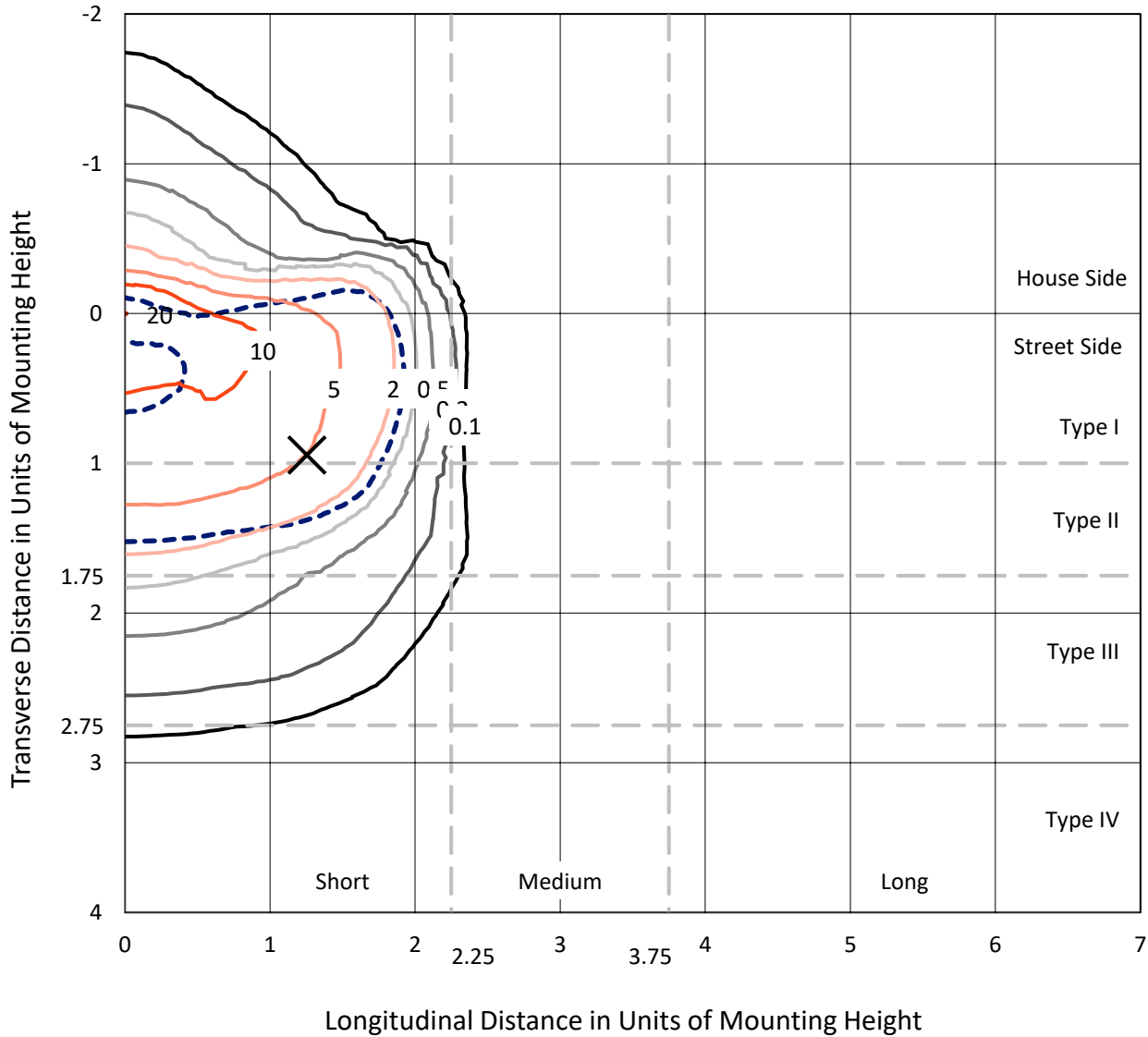
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

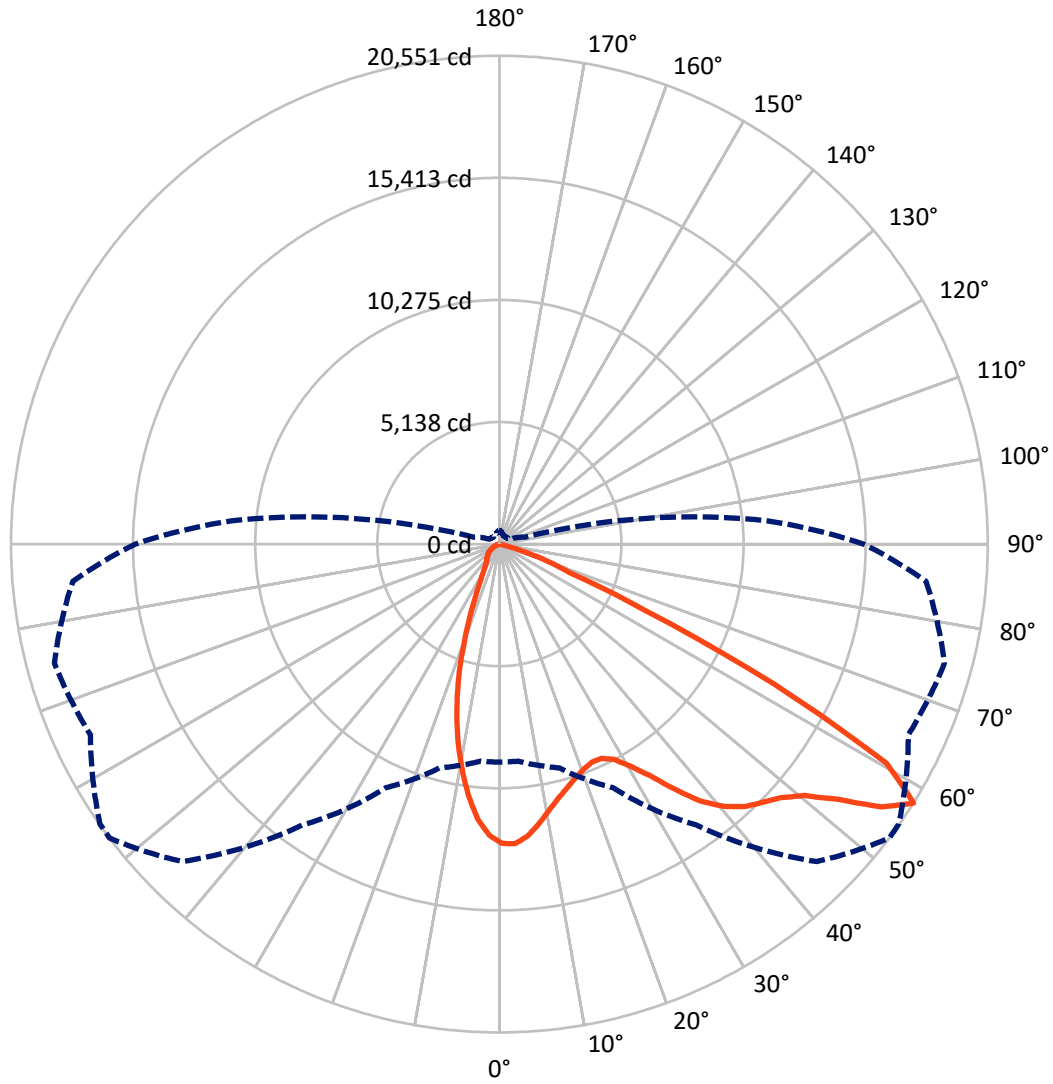
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.2 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	4742.7	0.0	4742.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	23968.6	0.0	23968.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	28711.3	0.0	28711.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1077.6	3.8
10°-20°	2365.6	8.2
20°-30°	3081.8	10.7
30°-40°	4470.2	15.6
40°-50°	6450.2	22.5
50°-60°	7800.9	27.2
60°-70°	3179.3	11.1
70°-80°	285.7	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°	28711.3	100.0
0°-180°	28711.3	100.0

Coefficient of Utilization



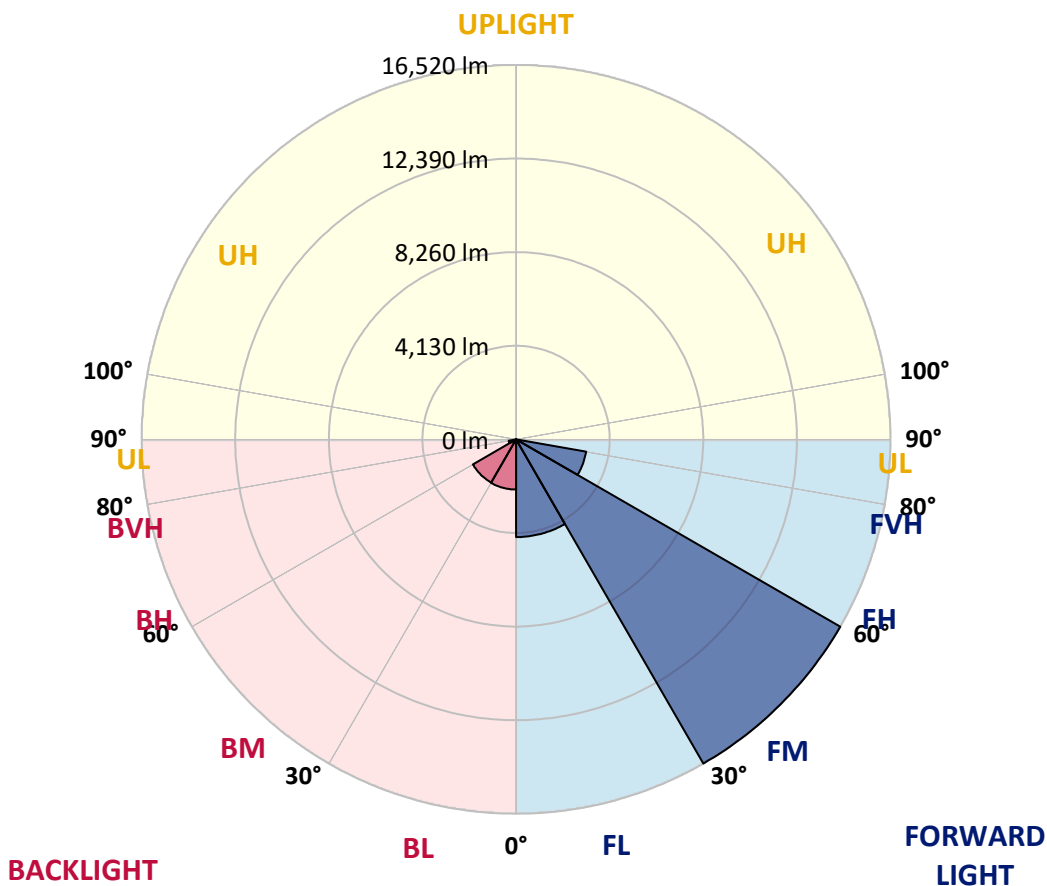
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4311.5	15.0			
FM (30°-60°)	16519.9	57.5			
FH (60°-80°)	3137.2	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2213.5	7.7	B3/2500		
BM (30°-60°)	2201.3	7.7	B2/2500		
BH (60°-80°)	327.8	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°	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4
2.5°	12418.5	12446.6	12495.9	12559.2	12601.5	12622.6	12622.6	12682.4	12643.7	12612.0	12576.8
5°	11887.1	11915.3	11982.1	12084.2	12186.2	12260.1	12344.6	12407.9	12432.5	12432.5	12372.7
7.5°	11137.6	11176.3	11218.5	11359.3	11580.9	11746.3	11890.6	11982.1	12115.8	12158.1	12073.6
10°	10331.7	10370.4	10465.4	10659.0	10912.3	11158.7	11405.0	11521.1	11749.9	11869.5	11774.5
12.5°	9649.0	9666.6	9793.3	10025.6	10349.3	10687.1	10986.2	11105.9	11429.6	11609.1	11496.5
15°	9086.0	9096.6	9223.2	9480.1	9853.1	10268.4	10644.9	10768.1	11165.7	11436.7	11267.8
17.5°	8660.2	8663.7	8772.8	9050.8	9441.4	9902.4	10349.3	10500.6	11014.4	11341.7	11088.3
20°	8445.5	8435.0	8512.4	8755.2	9124.7	9585.7	10113.5	10300.0	10929.9	11327.6	10951.1
22.5°	8449.1	8424.4	8456.1	8628.5	8941.7	9374.6	9965.7	10176.9	10937.0	11387.4	10834.9
25°	8649.6	8614.5	8621.5	8713.0	8934.7	9328.8	9986.9	10212.1	11077.7	11588.0	10792.7
27.5°	8987.5	8948.8	8948.8	8994.5	9114.1	9473.1	10250.8	10507.7	11454.3	11978.6	10880.7
30°	9423.8	9385.1	9371.0	9416.8	9515.3	9846.1	10838.4	11105.9	12098.2	12619.0	11162.2
32.5°	9923.5	9877.8	9902.4	9965.7	10060.8	10518.2	11595.0	11950.4	12904.1	13481.2	11668.9
35°	10451.4	10412.6	10525.3	10662.5	10810.3	11450.7	12640.2	12949.8	13892.9	14554.5	12443.1
37.5°	10954.6	10937.0	11172.7	11461.3	11767.5	12569.8	13702.9	13942.2	14741.0	15722.8	13389.7
40°	11457.8	11454.3	11858.9	12365.7	12854.8	13685.3	14508.7	14705.8	15258.3	16630.7	14297.6
42.5°	12020.8	12020.8	12580.3	13256.0	13907.0	14628.4	15099.9	15187.9	15490.5	17155.0	14980.3
45°	12559.2	12590.9	13238.4	14023.1	14793.8	15363.8	15508.1	15515.2	15585.5	17464.7	15546.8
47.5°	12985.0	13013.2	13787.3	14691.7	15522.2	15923.4	15944.5	15912.8	15835.4	17760.3	15983.2
50°	13329.9	13372.1	14181.5	15138.6	16021.9	16461.8	16623.6	16592.0	16394.9	18077.0	16289.3
52.5°	13498.8	13558.6	14318.7	15360.3	16577.9	17383.7	17834.2	17908.1	17232.4	18252.9	16581.4
55°	12147.5	12235.5	12935.8	14360.9	16887.6	18808.9	19516.2	19502.2	18140.3	18777.3	17292.2
57.5°	9174.0	9166.9	9747.6	11306.5	14424.3	18889.9	20550.8	20522.7	18988.4	19386.0	18020.7
60°	6246.2	6204.0	6358.8	7111.8	10085.4	15388.5	18703.4	19083.4	18386.6	17908.1	15300.5
62.5°	5141.2	5102.5	5053.2	4845.6	5792.2	9585.7	12921.7	13498.8	13407.3	12446.6	9596.2
65°	4208.7	4240.4	4377.6	4289.6	4029.2	4916.0	6707.2	7048.5	6443.2	5422.7	3353.6
67.5°	3103.7	3117.8	3297.3	3761.8	3621.0	3272.6	3156.5	3212.8	1882.7	865.7	559.5
70°	1833.4	1843.9	2009.3	2632.2	2938.3	2512.5	2132.5	2100.8	746.0	232.3	253.4
72.5°	1038.1	1017.0	1048.7	1252.8	1601.1	1333.7	1097.9	999.4	225.2	130.2	130.2
75°	492.7	478.6	411.7	387.1	351.9	225.2	140.8	119.6	56.3	52.8	52.8
77.5°	3.5	10.6	7.0	10.6	10.6	7.0	3.5	3.5	10.6	10.6	14.1
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°	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4	12594.4
2.5°	12513.5	12407.9	12383.3	12376.2	12277.7	12172.1	12063.0	12020.8	11957.5	11918.8	11950.4
5°	12277.7	12126.4	11992.7	11869.5	11651.3	11412.0	11204.4	11070.7	10944.0	10859.6	10880.7
7.5°	11943.4	11746.3	11440.2	11127.0	10725.8	10366.9	9965.7	9719.4	9490.7	9364.0	9423.8
10°	11588.0	11327.6	10838.4	10307.1	9677.2	9114.1	8540.6	8072.5	7801.6	7544.7	7572.8
12.5°	11239.6	10894.7	10162.8	9357.0	8561.7	7731.2	6865.5	6218.0	5774.6	5454.4	5405.1
15°	10915.9	10472.5	9504.8	8442.0	7358.2	6253.2	5148.3	4222.8	3709.0	3392.3	3371.2
17.5°	10627.3	10078.3	8822.1	7484.9	6126.5	4711.9	3441.6	2748.3	2452.7	2315.5	2301.4
20°	10349.3	9680.7	8125.3	6513.6	4782.3	3307.8	2375.3	2055.1	1960.1	1903.8	1910.8
22.5°	10081.9	9247.9	7393.4	5436.8	3585.8	2322.5	1840.4	1717.3	1706.7	1713.7	1717.3
25°	9856.7	8850.2	6640.3	4398.7	2558.3	1770.0	1537.8	1502.6	1534.3	1580.0	1587.1
27.5°	9740.5	8526.5	5904.8	3353.6	1851.0	1439.3	1333.7	1347.8	1404.1	1453.3	1460.4
30°	9772.2	8283.7	5144.7	2431.6	1425.2	1214.0	1178.9	1207.0	1263.3	1309.1	1316.1
32.5°	9997.4	8160.5	4367.0	1770.0	1171.8	1059.2	1045.1	1066.2	1115.5	1150.7	1154.2
35°	10444.3	8188.7	3628.1	1354.8	1006.4	943.1	939.6	953.6	978.3	1002.9	1006.4
37.5°	11102.4	8417.4	2899.6	1126.1	911.4	865.7	851.6	851.6	869.2	879.7	886.8
40°	11809.7	8762.2	2322.5	995.9	844.6	795.3	767.1	756.6	770.7	784.7	788.3
42.5°	12393.8	9107.1	1886.2	904.4	791.8	724.9	689.7	682.7	700.3	724.9	731.9
45°	12840.7	9374.6	1573.0	830.5	731.9	658.0	619.3	619.3	651.0	693.2	700.3
47.5°	13248.9	9589.2	1340.7	763.6	675.6	598.2	559.5	566.6	619.3	675.6	686.2
50°	13526.9	9761.6	1168.3	703.8	629.9	549.0	513.8	527.8	591.2	658.0	668.6
52.5°	13826.1	9972.8	1055.7	651.0	587.7	510.3	478.6	489.1	559.5	633.4	647.5
55°	14653.0	10680.1	1052.2	580.6	513.8	457.5	443.4	446.9	517.3	601.7	619.3
57.5°	15328.7	11302.9	1122.6	489.1	429.3	401.2	394.1	397.6	461.0	556.0	577.1
60°	12682.4	8783.4	929.0	404.7	358.9	351.9	341.3	348.4	408.2	492.7	510.3
62.5°	7506.0	5021.6	443.4	309.7	306.2	299.1	288.6	302.6	358.9	432.8	443.4
65°	2565.3	1488.5	281.5	253.4	260.4	249.8	239.3	253.4	302.6	344.9	348.4
67.5°	492.7	394.1	225.2	211.1	214.7	193.5	190.0	204.1	232.3	239.3	235.8
70°	256.9	228.7	172.4	172.4	165.4	137.2	137.2	151.3	151.3	140.8	137.2
72.5°	133.7	126.7	112.6	126.7	105.6	84.5	84.5	91.5	84.5	70.4	70.4
75°	52.8	52.8	49.3	63.3	45.7	38.7	35.2	42.2	31.7	24.6	24.6
77.5°	14.1	14.1	14.1	17.6	10.6	10.6	7.0	7.0	3.5	0.0	0.0
80°	0.0	3.5	0.0	3.5	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)