

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: P642818

Luminaire Tested: GWS-SA6D-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642818
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21138.3 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

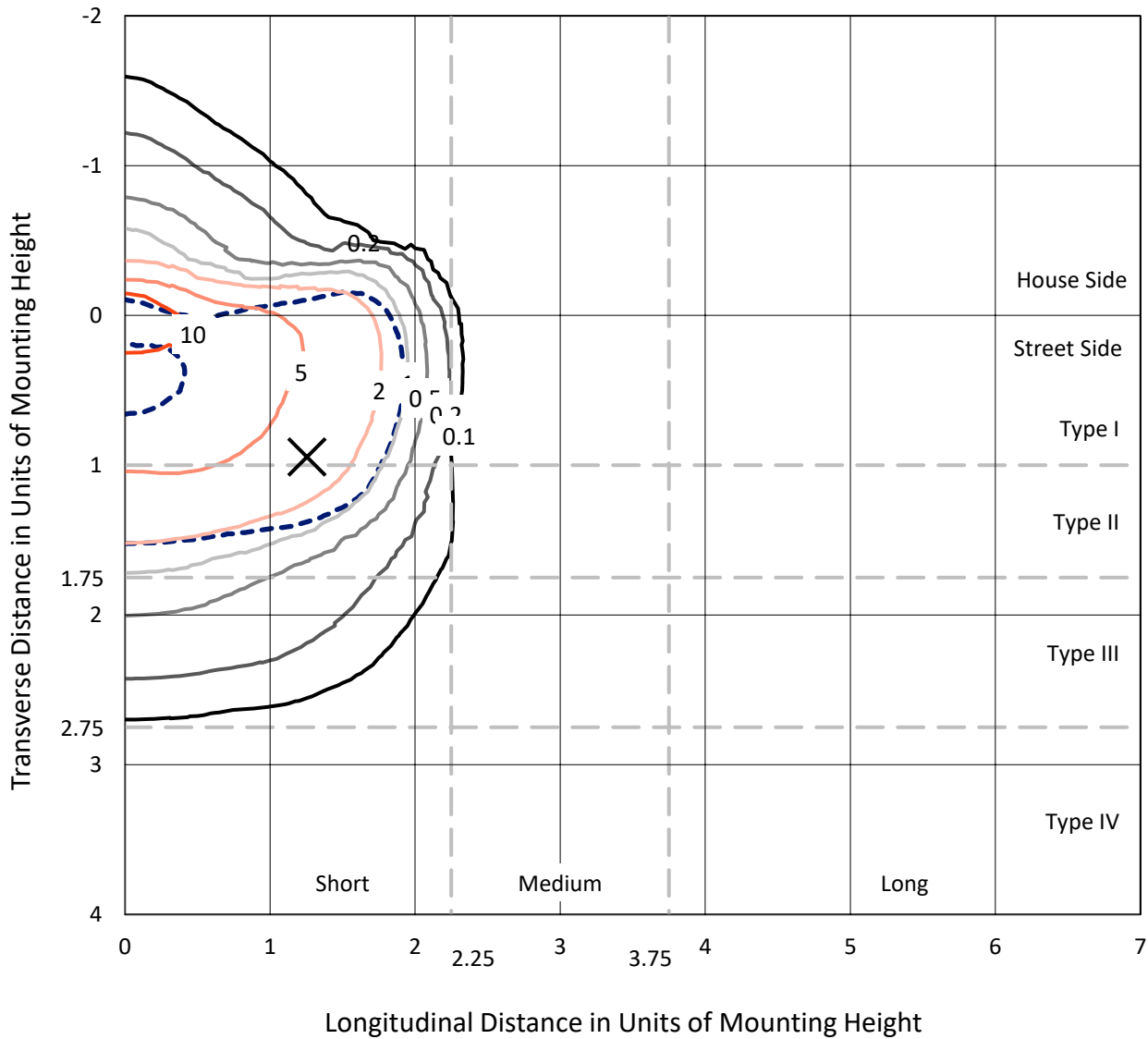
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

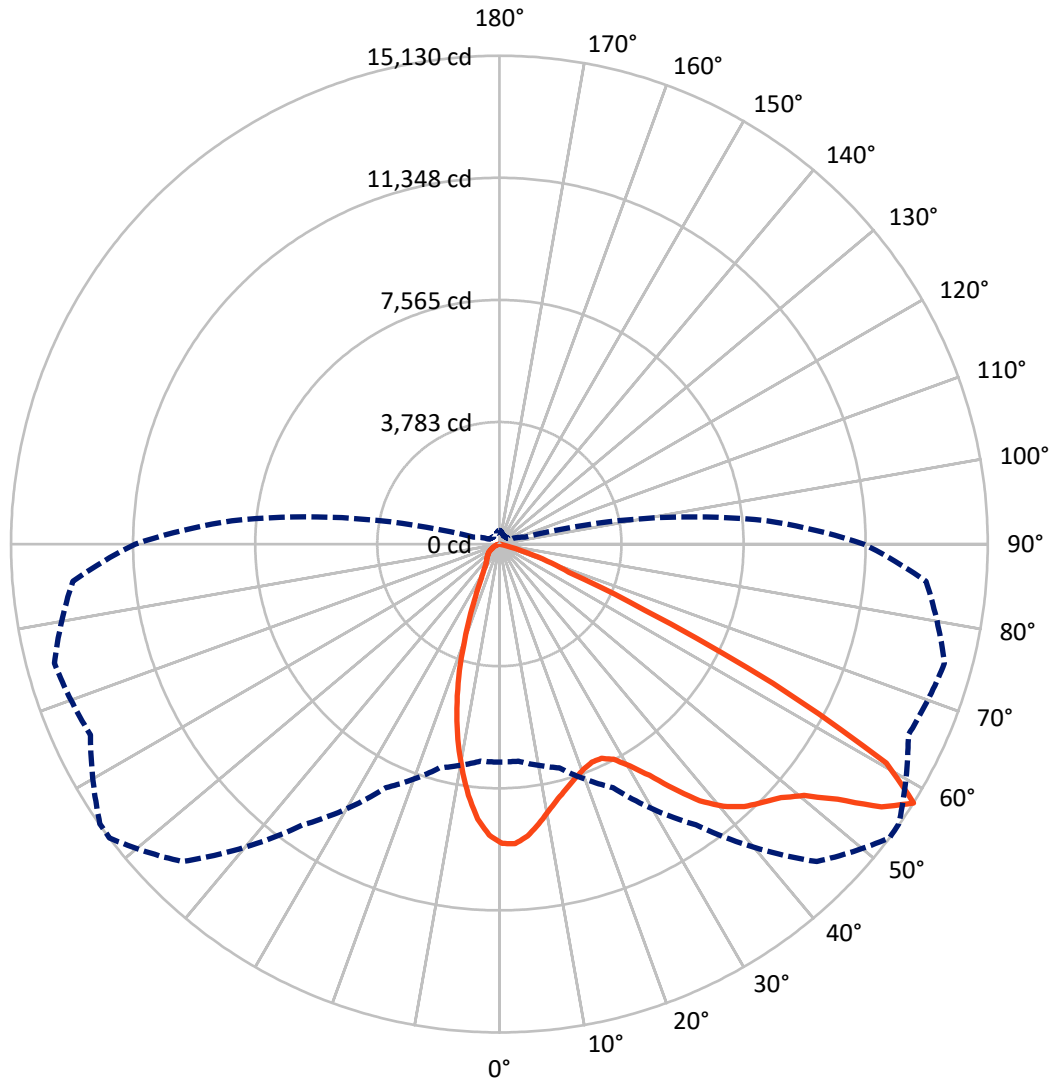
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 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	3491.8	0.0	3491.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	17646.5	0.0	17646.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	21138.3	0.0	21138.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.3	3.8
10°-20°	1741.7	8.2
20°-30°	2268.9	10.7
30°-40°	3291.1	15.6
40°-50°	4748.8	22.5
50°-60°	5743.3	27.2
60°-70°	2340.7	11.1
70°-80°	210.3	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°	21138.3	100.0
0°-180°	21138.3	100.0

Coefficient of Utilization



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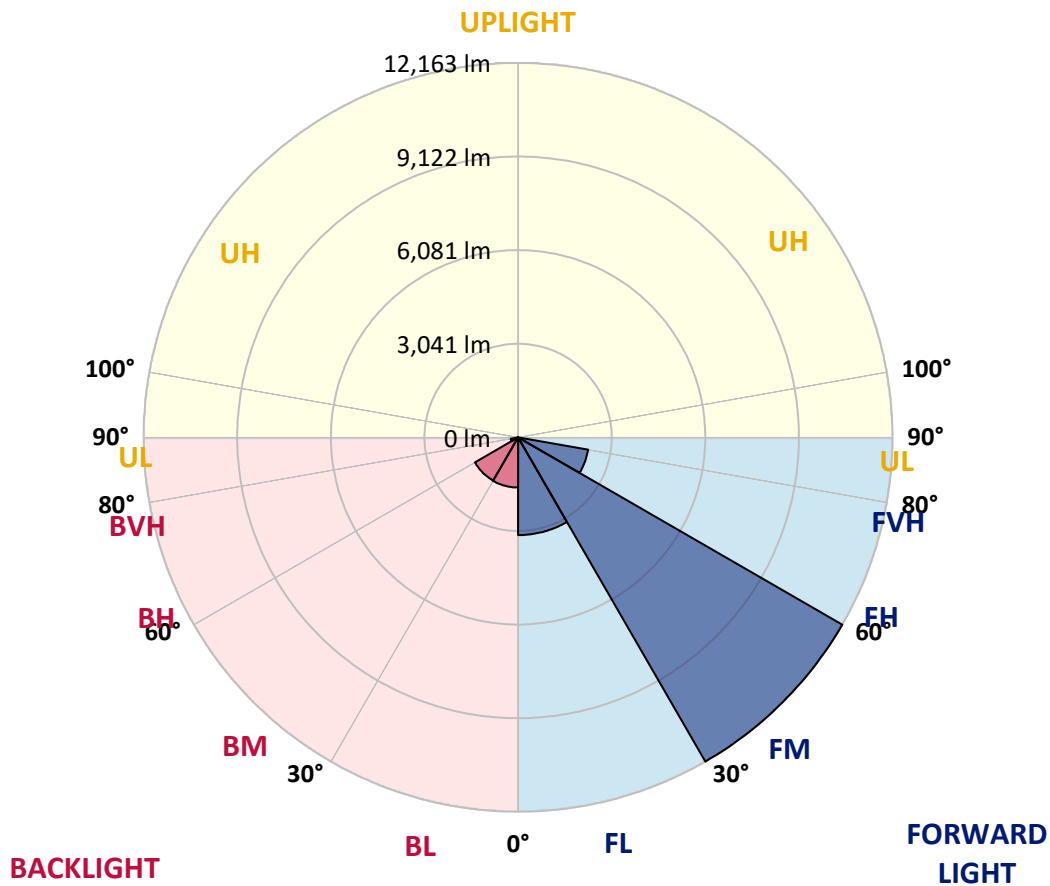
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3174.3	15.0			
FM (30°-60°)	12162.6	57.5			
FH (60°-80°)	2309.7	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1629.7	7.7	B3/2500		
BM (30°-60°)	1620.7	7.7	B2/2500		
BH (60°-80°)	241.4	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°	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5
2.5°	9142.9	9163.6	9199.9	9246.6	9277.6	9293.2	9293.2	9337.2	9308.7	9285.4	9259.5
5°	8751.7	8772.4	8821.7	8896.8	8971.9	9026.3	9088.5	9135.2	9153.3	9153.3	9109.2
7.5°	8199.9	8228.4	8259.5	8363.1	8526.3	8648.1	8754.3	8821.7	8920.1	8951.2	8889.0
10°	7606.6	7635.1	7705.0	7847.5	8034.1	8215.4	8396.8	8482.3	8650.7	8738.8	8668.8
12.5°	7104.0	7116.9	7210.2	7381.2	7619.5	7868.3	8088.5	8176.6	8414.9	8547.0	8464.1
15°	6689.4	6697.2	6790.5	6979.6	7254.2	7559.9	7837.2	7927.8	8220.6	8420.1	8295.7
17.5°	6376.0	6378.5	6458.9	6663.5	6951.1	7290.5	7619.5	7730.9	8109.2	8350.1	8163.6
20°	6217.9	6210.1	6267.1	6445.9	6717.9	7057.3	7446.0	7583.3	8047.0	8339.8	8062.6
22.5°	6220.5	6202.4	6225.7	6352.6	6583.2	6901.9	7337.1	7492.6	8052.2	8383.8	7977.1
25°	6368.2	6342.3	6347.5	6414.8	6578.0	6868.2	7352.7	7518.5	8155.8	8531.5	7946.0
27.5°	6616.9	6588.4	6588.4	6622.1	6710.2	6974.4	7547.0	7736.1	8433.0	8819.1	8010.7
30°	6938.2	6909.7	6899.3	6933.0	7005.5	7249.1	7979.7	8176.6	8907.2	9290.6	8218.0
32.5°	7306.0	7272.4	7290.5	7337.1	7407.1	7743.9	8536.7	8798.3	9500.5	9925.3	8591.1
35°	7694.7	7666.2	7749.1	7850.1	7958.9	8430.5	9306.1	9534.1	10228.5	10715.5	9161.1
37.5°	8065.2	8052.2	8225.8	8438.2	8663.6	9254.3	10088.6	10264.7	10852.8	11575.7	9858.0
40°	8435.6	8433.0	8731.0	9104.1	9464.2	10075.6	10681.9	10826.9	11233.7	12244.1	10526.4
42.5°	8850.2	8850.2	9262.1	9759.5	10238.8	10769.9	11117.1	11181.9	11404.7	12630.1	11029.0
45°	9246.6	9269.9	9746.6	10324.3	10891.7	11311.4	11417.6	11422.8	11474.6	12858.1	11446.1
47.5°	9560.0	9580.8	10150.7	10816.6	11428.0	11723.4	11738.9	11715.6	11658.6	13075.8	11767.4
50°	9813.9	9845.0	10440.9	11145.6	11795.9	12119.7	12238.9	12215.6	12070.5	13308.9	11992.8
52.5°	9938.3	9982.3	10542.0	11308.8	12205.2	12798.5	13130.2	13184.6	12687.1	13438.5	12207.8
55°	8943.4	9008.2	9523.8	10573.0	12433.2	13847.8	14368.6	14358.2	13355.6	13824.5	12731.2
57.5°	6754.2	6749.0	7176.5	8324.2	10619.7	13907.4	15130.3	15109.5	13979.9	14272.7	13267.5
60°	4598.7	4567.6	4681.6	5236.0	7425.2	11329.6	13770.1	14049.9	13536.9	13184.6	11264.8
62.5°	3785.2	3756.7	3720.4	3567.5	4264.5	7057.3	9513.4	9938.3	9870.9	9163.6	7065.1
65°	3098.6	3121.9	3223.0	3158.2	2966.5	3619.3	4938.1	5189.4	4743.7	3992.4	2469.0
67.5°	2285.1	2295.4	2427.6	2769.6	2665.9	2409.4	2323.9	2365.4	1386.1	637.3	411.9
70°	1349.8	1357.6	1479.3	1937.9	2163.3	1849.8	1570.0	1546.7	549.2	171.0	186.5
72.5°	764.3	748.7	772.1	922.3	1178.8	981.9	808.3	735.8	165.8	95.9	95.9
75°	362.7	352.3	303.1	285.0	259.1	165.8	103.6	88.1	41.5	38.9	38.9
77.5°	2.6	7.8	5.2	7.8	7.8	5.2	2.6	2.6	7.8	7.8	10.4
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°	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5	9272.5
2.5°	9212.9	9135.2	9117.0	9111.8	9039.3	8961.6	8881.3	8850.2	8803.5	8775.0	8798.3
5°	9039.3	8927.9	8829.4	8738.8	8578.1	8402.0	8249.1	8150.6	8057.4	7995.2	8010.7
7.5°	8793.2	8648.1	8422.7	8192.1	7896.8	7632.5	7337.1	7155.8	6987.4	6894.1	6938.2
10°	8531.5	8339.8	7979.7	7588.4	7124.7	6710.2	6287.9	5943.3	5743.8	5554.7	5575.4
12.5°	8275.0	8021.1	7482.2	6888.9	6303.4	5692.0	5054.6	4577.9	4251.5	4015.7	3979.5
15°	8036.7	7710.2	6997.7	6215.3	5417.4	4603.8	3790.3	3109.0	2730.7	2497.5	2482.0
17.5°	7824.2	7420.0	6495.1	5510.6	4510.6	3469.1	2533.8	2023.4	1805.8	1704.7	1694.4
20°	7619.5	7127.3	5982.2	4795.6	3520.9	2435.3	1748.8	1513.0	1443.1	1401.6	1406.8
22.5°	7422.6	6808.6	5443.3	4002.8	2640.0	1709.9	1355.0	1264.3	1256.5	1261.7	1264.3
25°	7256.8	6515.9	4888.8	3238.5	1883.5	1303.2	1132.2	1106.3	1129.6	1163.3	1168.4
27.5°	7171.3	6277.5	4347.4	2469.0	1362.8	1059.6	981.9	992.3	1033.7	1070.0	1075.2
30°	7194.6	6098.7	3787.7	1790.2	1049.3	893.8	867.9	888.6	930.1	963.8	969.0
32.5°	7360.5	6008.1	3215.2	1303.2	862.7	779.8	769.5	785.0	821.3	847.2	849.8
35°	7689.5	6028.8	2671.1	997.5	741.0	694.3	691.7	702.1	720.2	738.4	741.0
37.5°	8174.0	6197.2	2134.8	829.1	671.0	637.3	627.0	627.0	639.9	647.7	652.9
40°	8694.7	6451.1	1709.9	733.2	621.8	585.5	564.8	557.0	567.4	577.7	580.3
42.5°	9124.8	6705.0	1388.7	665.8	582.9	533.7	507.8	502.6	515.6	533.7	538.9
45°	9453.8	6901.9	1158.1	611.4	538.9	484.5	456.0	456.0	479.3	510.4	515.6
47.5°	9754.4	7059.9	987.1	562.2	497.4	440.4	411.9	417.1	456.0	497.4	505.2
50°	9959.0	7186.9	860.1	518.2	463.8	404.2	378.3	388.6	435.3	484.5	492.3
52.5°	10179.2	7342.3	777.2	479.3	432.7	375.7	352.3	360.1	411.9	466.3	476.7
55°	10788.1	7863.1	774.6	427.5	378.3	336.8	326.4	329.0	380.8	443.0	456.0
57.5°	11285.5	8321.6	826.5	360.1	316.1	295.4	290.2	292.8	339.4	409.3	424.9
60°	9337.2	6466.6	684.0	297.9	264.3	259.1	251.3	256.5	300.5	362.7	375.7
62.5°	5526.2	3697.1	326.4	228.0	225.4	220.2	212.4	222.8	264.3	318.7	326.4
65°	1888.7	1095.9	207.3	186.5	191.7	183.9	176.2	186.5	222.8	253.9	256.5
67.5°	362.7	290.2	165.8	155.4	158.0	142.5	139.9	150.3	171.0	176.2	173.6
70°	189.1	168.4	126.9	126.9	121.8	101.0	101.0	111.4	111.4	103.6	101.0
72.5°	98.5	93.3	82.9	93.3	77.7	62.2	62.2	67.4	62.2	51.8	51.8
75°	38.9	38.9	36.3	46.6	33.7	28.5	25.9	31.1	23.3	18.1	18.1
77.5°	10.4	10.4	10.4	13.0	7.8	7.8	5.2	5.2	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)