

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: P642708

Luminaire Tested: GWS-SA6D-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642708
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20951.9 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

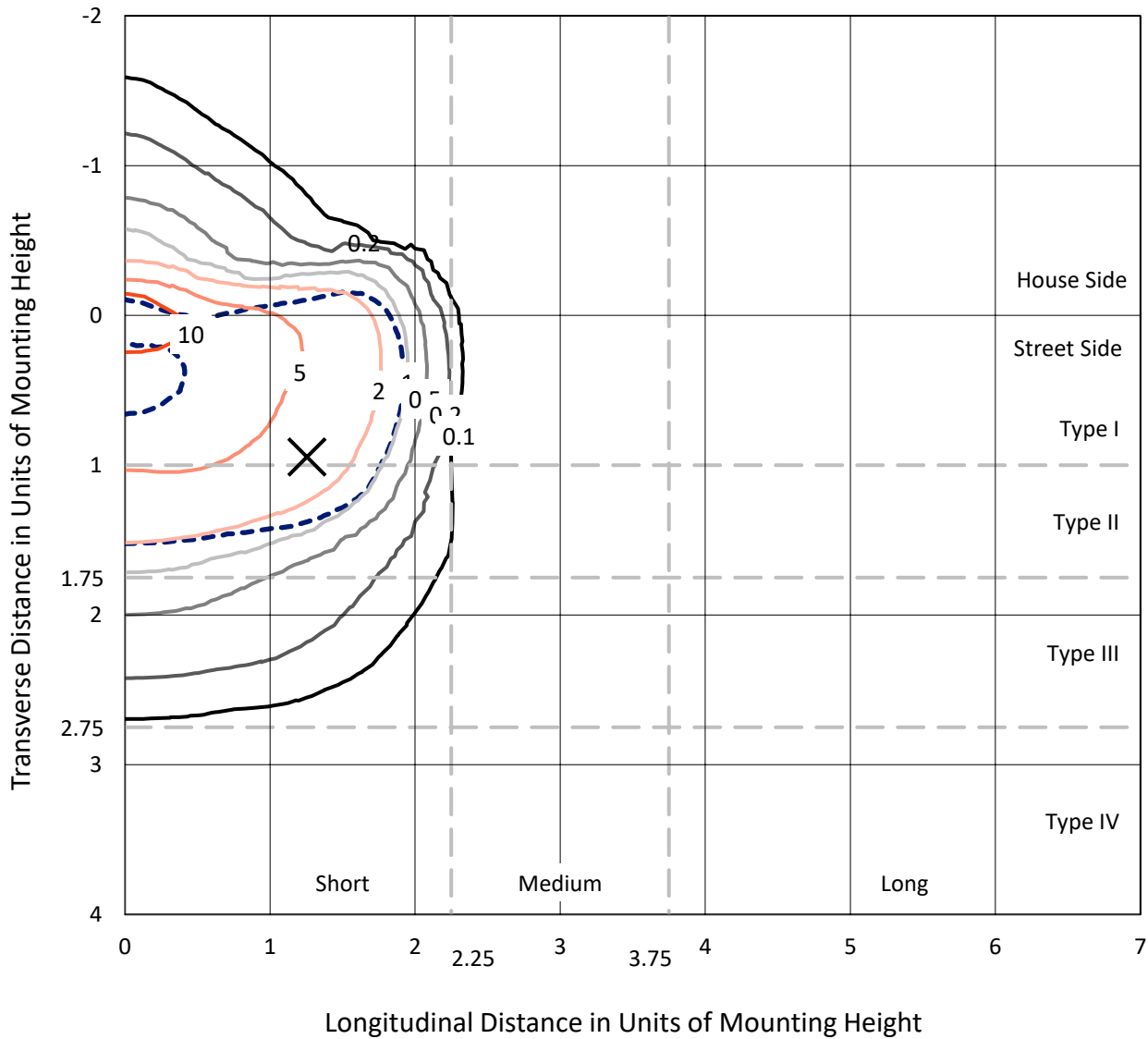
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

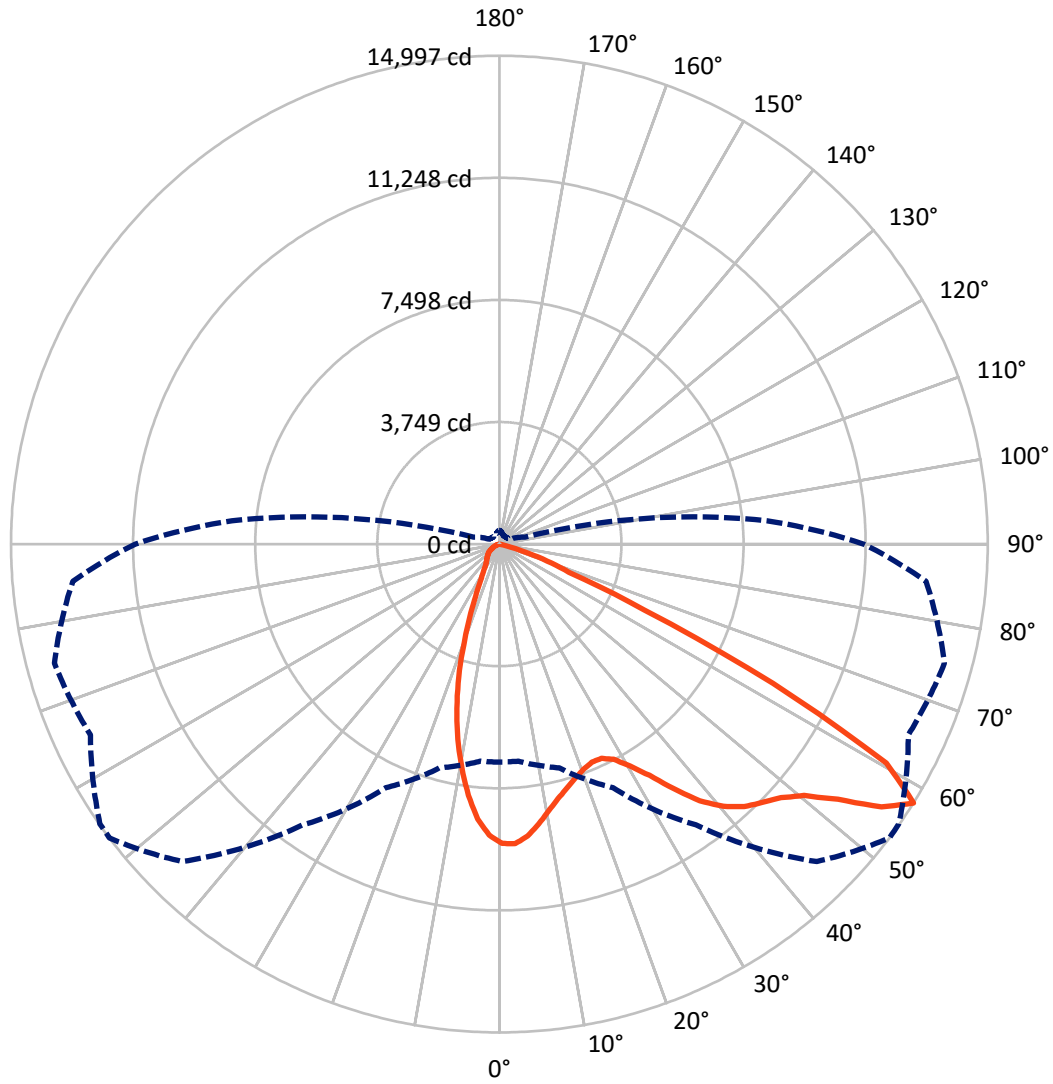
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	3461.0	0.0	3461.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	17490.9	0.0	17490.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	20951.9	0.0	20951.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.3	3.8
10°-20°	1726.3	8.2
20°-30°	2248.9	10.7
30°-40°	3262.1	15.6
40°-50°	4707.0	22.5
50°-60°	5692.7	27.2
60°-70°	2320.1	11.1
70°-80°	208.5	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°	20951.9	100.0
0°-180°	20951.9	100.0

Coefficient of Utilization



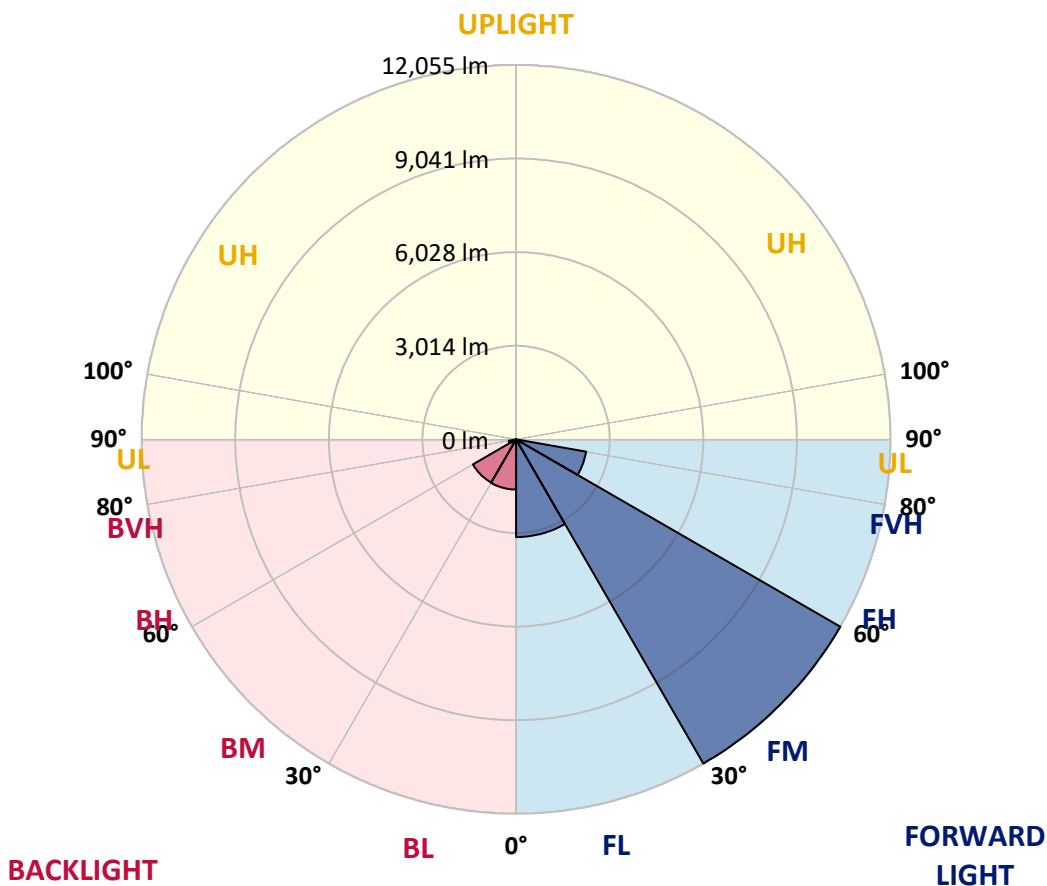
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3146.3	15.0			
FM (30°-60°)	12055.3	57.5			
FH (60°-80°)	2289.3	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1615.3	7.7	B3/2500		
BM (30°-60°)	1606.4	7.7	B2/2500		
BH (60°-80°)	239.2	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°	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7
2.5°	9062.3	9082.8	9118.8	9165.0	9195.8	9211.2	9211.2	9254.9	9226.6	9203.5	9177.9
5°	8674.5	8695.1	8743.9	8818.3	8892.8	8946.7	9008.4	9054.6	9072.6	9072.6	9028.9
7.5°	8127.6	8155.8	8186.6	8289.3	8451.1	8571.8	8677.1	8743.9	8841.5	8872.3	8810.6
10°	7539.5	7567.8	7637.1	7778.3	7963.2	8143.0	8322.7	8407.5	8574.4	8661.7	8592.4
12.5°	7041.3	7054.2	7146.6	7316.1	7552.3	7798.9	8017.1	8104.5	8340.7	8471.7	8389.5
15°	6630.5	6638.2	6730.6	6918.1	7190.3	7493.3	7768.1	7857.9	8148.1	8345.8	8222.6
17.5°	6319.7	6322.3	6401.9	6604.8	6889.8	7226.2	7552.3	7662.8	8037.7	8276.5	8091.6
20°	6163.1	6155.4	6211.9	6389.1	6658.7	6995.1	7380.3	7516.4	7976.1	8266.2	7991.5
22.5°	6165.7	6147.7	6170.8	6296.6	6525.2	6841.0	7272.4	7426.5	7981.2	8309.9	7906.7
25°	6312.0	6286.3	6291.5	6358.2	6520.0	6807.6	7287.8	7452.2	8083.9	8456.3	7875.9
27.5°	6558.5	6530.3	6530.3	6563.7	6651.0	6912.9	7480.4	7667.9	8358.7	8741.3	7940.1
30°	6877.0	6848.7	6838.5	6871.8	6943.7	7185.1	7909.3	8104.5	8828.6	9208.7	8145.5
32.5°	7241.6	7208.2	7226.2	7272.4	7341.8	7675.6	8461.4	8720.8	9416.7	9837.8	8515.3
35°	7626.8	7598.6	7680.7	7780.9	7888.7	8356.1	9224.1	9450.1	10138.3	10621.0	9080.3
37.5°	7994.0	7981.2	8153.2	8363.8	8587.2	9172.7	9999.6	10174.2	10757.1	11473.6	9771.1
40°	8361.2	8358.7	8654.0	9023.8	9380.7	9986.8	10587.7	10731.5	11134.6	12136.1	10433.6
42.5°	8772.1	8772.1	9180.4	9673.5	10148.5	10675.0	11019.1	11083.3	11304.1	12518.8	10931.8
45°	9165.0	9188.1	9660.6	10233.3	10795.7	11211.7	11317.0	11322.1	11373.5	12744.7	11345.2
47.5°	9475.7	9496.3	10061.2	10721.2	11327.2	11620.0	11635.4	11612.3	11555.8	12960.5	11663.6
50°	9727.4	9758.2	10348.8	11047.3	11691.9	12012.9	12131.0	12107.9	11964.1	13191.6	11887.0
52.5°	9850.7	9894.3	10449.0	11209.1	12097.6	12685.7	13014.4	13068.3	12575.3	13320.0	12100.2
55°	8864.6	8928.8	9439.8	10479.8	12323.6	13725.7	14241.9	14231.6	13237.8	13702.6	12618.9
57.5°	6694.6	6689.5	7113.2	8250.8	10526.0	13784.8	14996.8	14976.3	13856.7	14146.8	13150.5
60°	4558.1	4527.3	4640.3	5189.8	7359.7	11229.7	13648.7	13926.0	13417.5	13068.3	11165.5
62.5°	3751.8	3723.5	3687.6	3536.1	4226.8	6995.1	9429.5	9850.7	9783.9	9082.8	7002.8
65°	3071.3	3094.4	3194.5	3130.3	2940.3	3587.4	4894.5	5143.6	4701.9	3957.2	2447.3
67.5°	2264.9	2275.2	2406.2	2745.1	2642.4	2388.2	2303.5	2344.5	1373.9	631.7	408.3
70°	1337.9	1345.6	1466.3	1920.8	2144.2	1833.5	1556.2	1533.1	544.4	169.5	184.9
72.5°	757.5	742.1	765.2	914.2	1168.4	973.3	801.2	729.3	164.3	95.0	95.0
75°	359.5	349.2	300.5	282.5	256.8	164.3	102.7	87.3	41.1	38.5	38.5
77.5°	2.6	7.7	5.1	7.7	7.7	5.1	2.6	2.6	7.7	7.7	10.3
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°	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7	9190.7
2.5°	9131.6	9054.6	9036.6	9031.5	8959.6	8882.5	8802.9	8772.1	8725.9	8697.7	8720.8
5°	8959.6	8849.2	8751.6	8661.7	8502.5	8327.9	8176.4	8078.8	7986.3	7924.7	7940.1
7.5°	8715.6	8571.8	8348.4	8119.9	7827.1	7565.2	7272.4	7092.7	6925.8	6833.3	6877.0
10°	8456.3	8266.2	7909.3	7521.5	7061.9	6651.0	6232.4	5890.9	5693.1	5505.7	5526.2
12.5°	8202.0	7950.4	7416.2	6828.2	6247.8	5641.8	5010.1	4537.6	4214.0	3980.3	3944.4
15°	7965.8	7642.2	6936.0	6160.5	5369.6	4563.2	3756.9	3081.5	2706.6	2475.5	2460.1
17.5°	7755.2	7354.6	6437.9	5462.0	4470.8	3438.5	2511.5	2005.6	1789.9	1689.7	1679.4
20°	7552.3	7064.4	5929.4	4753.3	3489.8	2413.9	1733.4	1499.7	1430.3	1389.3	1394.4
22.5°	7357.2	6748.6	5395.3	3967.5	2616.7	1694.8	1343.0	1253.2	1245.5	1250.6	1253.2
25°	7192.8	6458.4	4845.7	3209.9	1866.9	1291.7	1122.2	1096.5	1119.6	1153.0	1158.1
27.5°	7108.1	6222.1	4309.0	2447.3	1350.7	1050.3	973.3	983.5	1024.6	1060.6	1065.7
30°	7131.2	6045.0	3754.3	1774.5	1040.0	885.9	860.3	880.8	921.9	955.3	960.4
32.5°	7295.5	5955.1	3186.8	1291.7	855.1	773.0	762.7	778.1	814.0	839.7	842.3
35°	7621.7	5975.6	2647.6	988.7	734.4	688.2	685.6	695.9	713.9	731.9	734.4
37.5°	8101.9	6142.5	2116.0	821.7	665.1	631.7	621.4	621.4	634.3	642.0	647.1
40°	8618.0	6394.2	1694.8	726.7	616.3	580.4	559.8	552.1	562.4	572.7	575.2
42.5°	9044.3	6645.9	1376.4	660.0	577.8	529.0	503.3	498.2	511.0	529.0	534.1
45°	9370.5	6841.0	1147.9	606.0	534.1	480.2	452.0	452.0	475.1	505.9	511.0
47.5°	9668.3	6997.7	978.4	557.2	493.0	436.6	408.3	413.4	452.0	493.0	500.8
50°	9871.2	7123.5	852.6	513.6	459.7	400.6	374.9	385.2	431.4	480.2	487.9
52.5°	10089.5	7277.6	770.4	475.1	428.8	372.4	349.2	356.9	408.3	462.2	472.5
55°	10692.9	7793.7	767.8	423.7	374.9	333.8	323.6	326.1	377.5	439.1	452.0
57.5°	11186.0	8248.3	819.2	356.9	313.3	292.7	287.6	290.2	336.4	405.7	421.1
60°	9254.9	6409.6	677.9	295.3	261.9	256.8	249.1	254.2	297.9	359.5	372.4
62.5°	5477.4	3664.5	323.6	226.0	223.4	218.3	210.6	220.8	261.9	315.9	323.6
65°	1872.0	1086.2	205.4	184.9	190.0	182.3	174.6	184.9	220.8	251.7	254.2
67.5°	359.5	287.6	164.3	154.1	156.6	141.2	138.7	148.9	169.5	174.6	172.1
70°	187.5	166.9	125.8	125.8	120.7	100.2	100.2	110.4	110.4	102.7	100.2
72.5°	97.6	92.4	82.2	92.4	77.0	61.6	61.6	66.8	61.6	51.4	51.4
75°	38.5	38.5	36.0	46.2	33.4	28.2	25.7	30.8	23.1	18.0	18.0
77.5°	10.3	10.3	10.3	12.8	7.7	7.7	5.1	5.1	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)