

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: P643141

Luminaire Tested: GWS-SA6E-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-735-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 28615.3 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

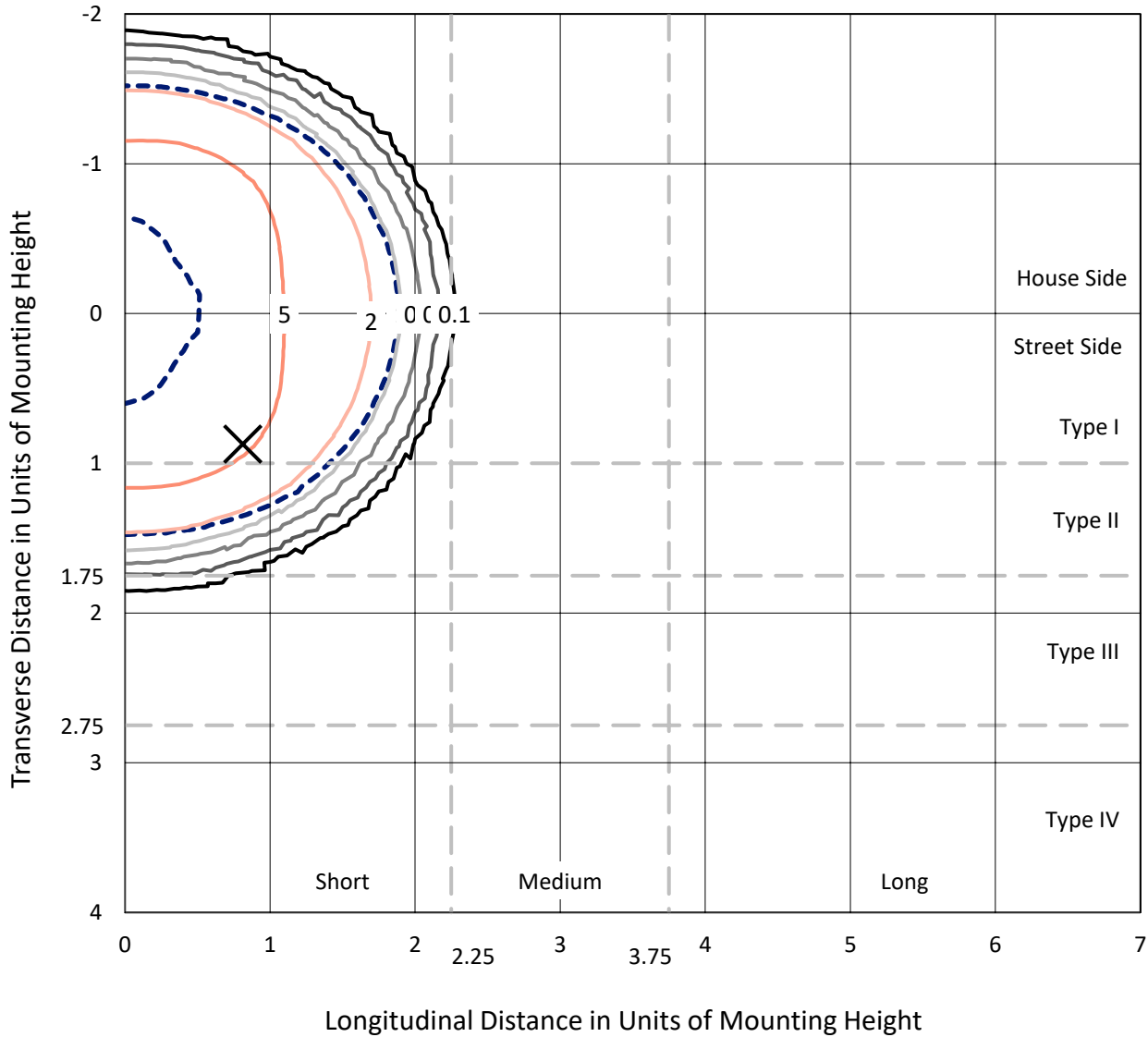
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

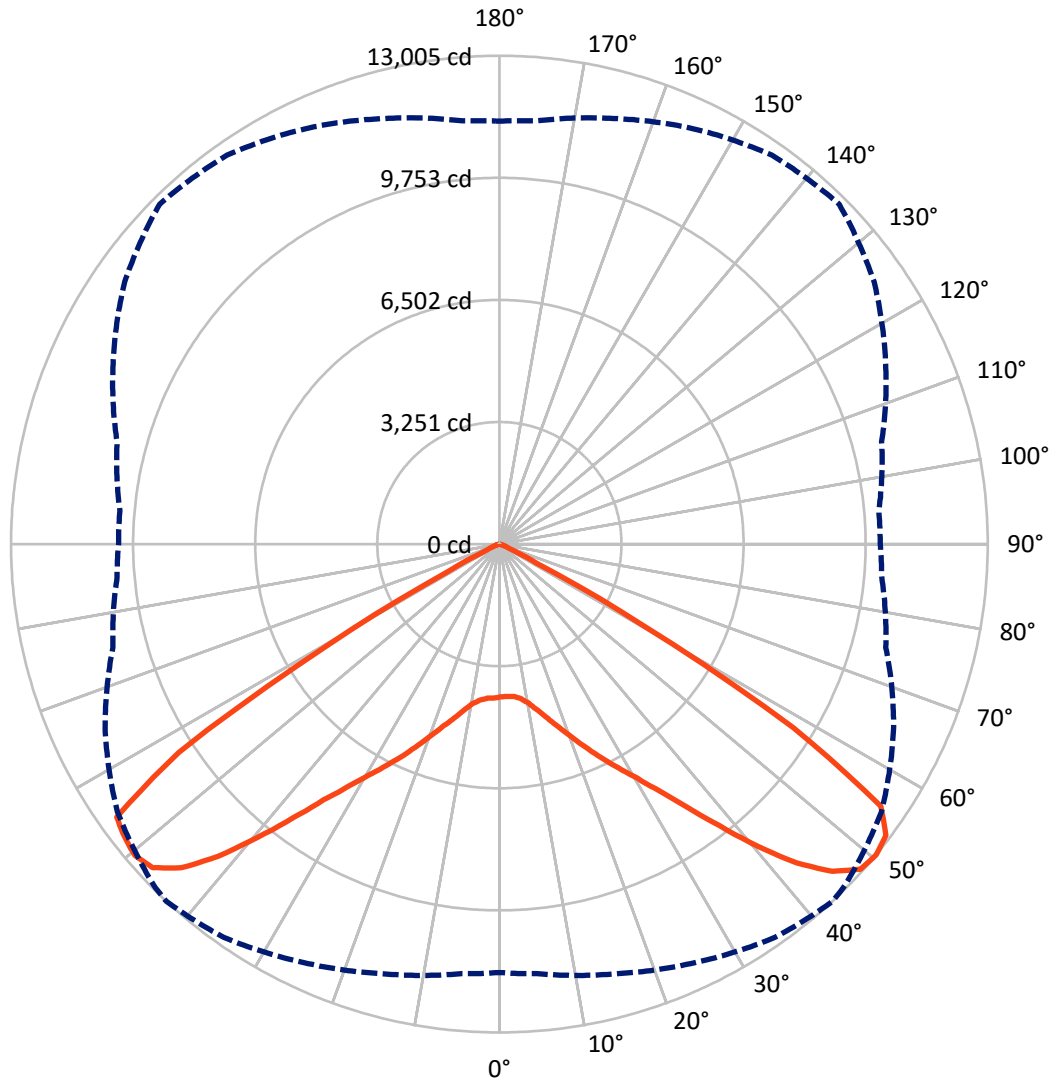
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14307.3	0.0	14307.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14308.0	0.0	14308.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28615.3	0.0	28615.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.8	1.4
10°-20°	1379.3	4.8
20°-30°	2790.5	9.8
30°-40°	5177.4	18.1
40°-50°	8594.3	30.0
50°-60°	8770.8	30.7
60°-70°	1438.3	5.0
70°-80°	63.0	0.2
80°-90°	0.9	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°	28615.3	100.0
0°-180°	28615.3	100.0

Coefficient of Utilization

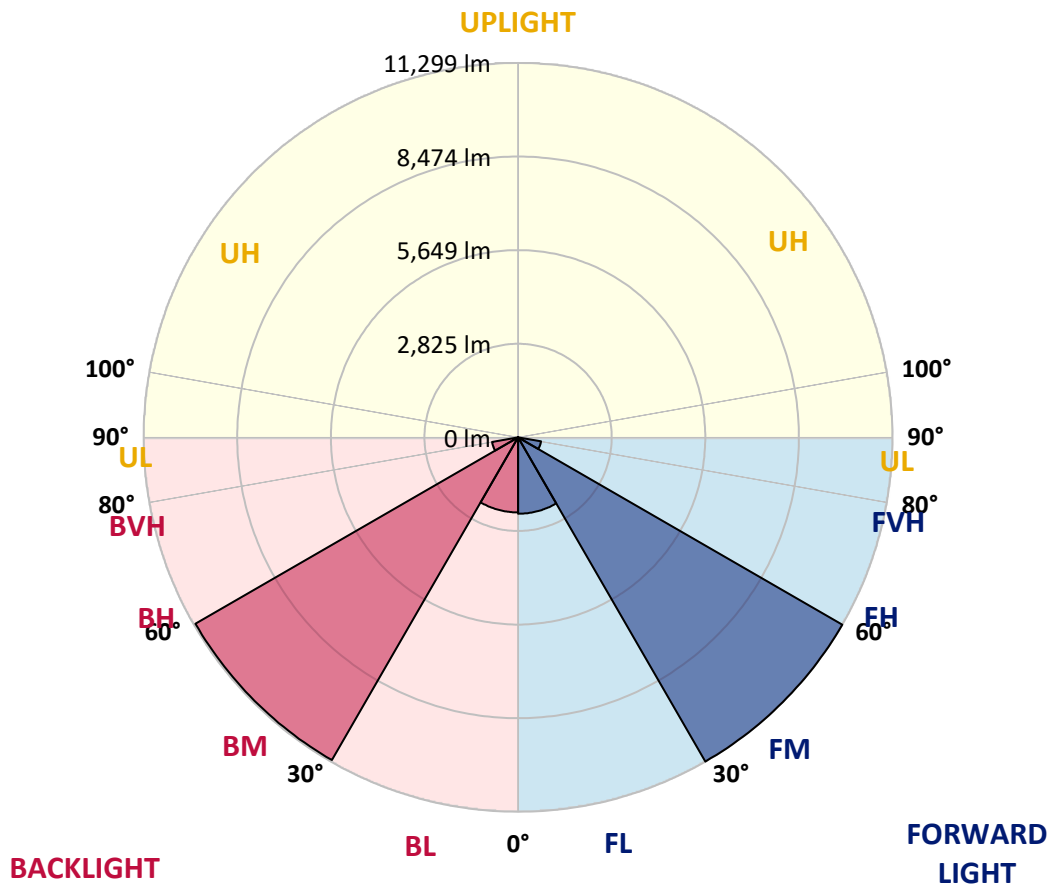


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2305.4	8.1			
FM (30°-60°)	11298.7	39.5			
FH (60°-80°)	703.6	2.5			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	2265.3	7.9	B3/2500		
BM (30°-60°)	11243.8	39.3	B5		
BH (60°-80°)	797.6	2.8	B2/1000		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1
2.5°	3994.1	4003.6	4016.3	4028.9	4044.8	4060.6	4070.1	4098.6	4092.2	4117.5	4117.5
5°	3949.8	3959.3	3975.1	4003.6	4038.4	4073.2	4098.6	4155.5	4187.2	4237.8	4256.8
7.5°	3972.0	3984.6	4003.6	4047.9	4101.7	4155.5	4184.0	4275.8	4339.1	4434.0	4487.8
10°	4044.8	4057.4	4089.1	4165.0	4234.6	4310.6	4345.4	4462.5	4563.8	4693.6	4769.5
12.5°	4127.0	4142.9	4206.2	4320.1	4440.4	4541.6	4589.1	4718.9	4823.3	4968.9	5089.2
15°	4212.5	4237.8	4335.9	4503.7	4674.6	4810.7	4861.3	5000.6	5105.0	5260.1	5396.2
17.5°	4411.9	4440.4	4551.1	4731.5	4965.7	5124.0	5168.3	5313.9	5393.0	5497.4	5639.9
20°	4661.9	4715.7	4851.8	5070.2	5326.5	5478.5	5510.1	5652.5	5646.2	5690.5	5813.9
22.5°	4972.1	5010.1	5158.8	5418.3	5706.3	5874.1	5946.9	6007.0	5927.9	5889.9	5969.0
25°	5294.9	5339.2	5500.6	5785.5	6108.3	6301.3	6361.5	6408.9	6282.3	6139.9	6149.4
27.5°	5712.7	5744.3	5902.6	6206.4	6529.2	6747.6	6801.4	6883.7	6715.9	6488.1	6424.8
30°	6209.6	6241.2	6408.9	6728.6	7048.3	7235.0	7317.3	7418.5	7235.0	6950.1	6877.3
32.5°	6791.9	6823.5	7038.8	7367.9	7630.6	7833.2	7912.3	8019.9	7874.3	7554.6	7472.4
35°	7488.2	7507.2	7760.4	8118.0	8396.5	8592.7	8646.5	8773.1	8611.7	8292.1	8247.8
37.5°	8295.2	8317.4	8592.7	9007.3	9292.2	9510.6	9596.0	9630.8	9434.6	9077.0	9042.1
40°	9181.4	9254.2	9523.2	9969.5	10289.1	10564.5	10640.4	10523.3	10248.0	9760.6	9697.3
42.5°	10105.6	10168.9	10469.5	10953.8	11324.0	11605.7	11608.9	11355.7	10887.3	10213.2	10118.2
45°	10874.6	10899.9	11289.2	11776.6	12232.4	12431.8	12450.8	11991.8	11286.1	10475.9	10273.3
47.5°	11403.2	11444.3	11783.0	12251.4	12754.6	12935.0	12897.0	12324.2	11476.0	10646.8	10311.3
50°	11409.5	11479.1	11846.3	12298.8	12786.2	13004.6	12950.8	12419.1	11583.6	10653.1	10219.5
52.5°	10399.9	10513.8	11112.0	11767.1	12514.1	12887.5	12900.2	12542.5	11542.4	10551.8	10137.2
55°	7845.8	7969.2	8722.5	9839.7	11282.9	12324.2	12504.6	12397.0	11495.0	10596.1	10282.8
57.5°	4152.4	4057.4	4475.2	5582.9	7396.4	9238.4	9766.9	10627.8	10966.4	10649.9	10551.8
60°	905.2	965.3	1285.0	1731.2	2886.4	4345.4	4861.3	6336.1	8089.5	8868.1	9431.4
62.5°	389.3	383.0	398.8	452.6	661.5	1101.4	1345.1	2196.4	3465.6	4760.0	5636.7
65°	319.7	322.8	335.5	335.5	313.3	316.5	332.3	503.2	810.2	1136.2	1525.5
67.5°	240.5	243.7	265.9	272.2	256.4	227.9	224.7	189.9	199.4	250.0	259.5
70°	151.9	151.9	164.6	170.9	170.9	158.2	155.1	136.1	132.9	151.9	170.9
72.5°	82.3	82.3	88.6	91.8	88.6	85.5	85.5	82.3	79.1	91.8	117.1
75°	34.8	34.8	38.0	38.0	34.8	34.8	34.8	34.8	34.8	41.1	63.3
77.5°	6.3	9.5	12.7	9.5	6.3	6.3	6.3	9.5	9.5	12.7	19.0
80°	3.2	3.2	6.3	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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°	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1	4070.1
2.5°	4139.7	4104.9	4117.5	4123.9	4114.4	4108.1	4073.2	4063.7	4047.9	4022.6	4016.3
5°	4279.0	4250.5	4247.3	4228.3	4184.0	4130.2	4063.7	4035.3	4003.6	3972.0	3965.6
7.5°	4513.2	4478.3	4456.2	4392.9	4291.6	4206.2	4095.4	4035.3	3994.1	3953.0	3943.5
10°	4813.8	4772.7	4709.4	4592.3	4456.2	4332.8	4203.0	4123.9	4060.6	4003.6	4000.4
12.5°	5133.5	5089.2	4975.2	4826.5	4661.9	4548.0	4383.4	4272.6	4177.7	4092.2	4082.7
15°	5469.0	5415.2	5260.1	5082.8	4930.9	4813.8	4633.4	4456.2	4310.6	4187.2	4174.5
17.5°	5725.3	5658.9	5475.3	5342.4	5218.9	5098.7	4896.1	4661.9	4468.9	4320.1	4285.3
20°	5886.7	5823.4	5649.4	5576.6	5519.6	5434.1	5193.6	4949.9	4734.7	4551.1	4519.5
22.5°	6041.8	5965.9	5813.9	5813.9	5858.2	5823.4	5563.9	5285.4	5032.2	4820.2	4772.7
25°	6215.9	6155.7	6048.1	6136.8	6247.5	6244.4	5978.5	5630.4	5339.2	5101.8	5054.4
27.5°	6469.1	6408.9	6371.0	6538.7	6678.0	6668.5	6377.3	6000.7	5693.7	5459.5	5415.2
30°	6915.3	6858.4	6817.2	7019.8	7197.0	7130.5	6810.9	6446.9	6136.8	5870.9	5839.3
32.5°	7510.3	7450.2	7396.4	7598.9	7757.2	7671.7	7367.9	7026.1	6668.5	6408.9	6345.6
35°	8292.1	8165.5	8111.7	8352.2	8418.7	8323.7	8032.5	7731.9	7352.1	7054.6	7013.4
37.5°	9099.1	8950.4	8912.4	9121.3	9228.9	9194.1	8852.3	8538.9	8127.5	7798.3	7750.9
40°	9789.1	9653.0	9586.5	9912.5	10156.2	10178.3	9871.4	9488.4	9004.2	8662.4	8576.9
42.5°	10194.2	10077.1	10061.2	10567.6	10966.4	11251.3	10884.1	10488.5	9979.0	9592.8	9523.2
45°	10286.0	10210.0	10342.9	11007.6	11627.9	12146.9	11833.6	11415.8	10865.1	10456.9	10390.4
47.5°	10276.5	10251.1	10488.5	11235.4	12020.3	12659.6	12504.6	12033.0	11501.3	11074.0	11010.7
50°	10140.4	10143.5	10539.1	11349.4	12178.6	12798.9	12643.8	12207.1	11732.3	11311.4	11260.7
52.5°	10086.6	10067.6	10444.2	11314.6	12340.0	12735.6	12387.5	11896.9	11368.4	10849.3	10773.4
55°	10276.5	10229.0	10456.9	11286.1	12359.0	12700.8	11783.0	10719.5	9637.1	9023.2	8972.5
57.5°	10561.3	10510.7	10618.3	11077.2	11368.4	10561.3	8671.9	6956.5	5842.4	5370.9	5165.1
60°	9431.4	9396.6	9314.3	8760.5	7513.5	5668.4	3861.2	2462.3	1769.2	1430.5	1430.5
62.5°	5851.9	5804.4	5358.2	3981.5	2892.7	1674.2	921.0	576.0	436.8	408.3	405.1
65°	1642.6	1633.1	1351.4	955.8	607.7	376.6	332.3	338.6	332.3	322.8	319.7
67.5°	246.9	272.2	272.2	221.5	212.0	237.4	278.5	297.5	281.7	265.9	259.5
70°	158.2	170.9	164.6	142.4	151.9	177.2	199.4	202.6	193.1	177.2	174.1
72.5°	110.8	123.4	101.3	91.8	94.9	104.4	113.9	113.9	110.8	104.4	98.1
75°	66.5	66.5	47.5	44.3	44.3	47.5	47.5	53.8	53.8	50.6	47.5
77.5°	22.2	25.3	15.8	12.7	12.7	12.7	15.8	19.0	19.0	15.8	12.7
80°	3.2	6.3	3.2	3.2	3.2	3.2	3.2	3.2	6.3	6.3	3.2
82.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
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)