

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: P641663

Luminaire Tested: GWS-SA6B-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641663
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-SA6B-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: 12214 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

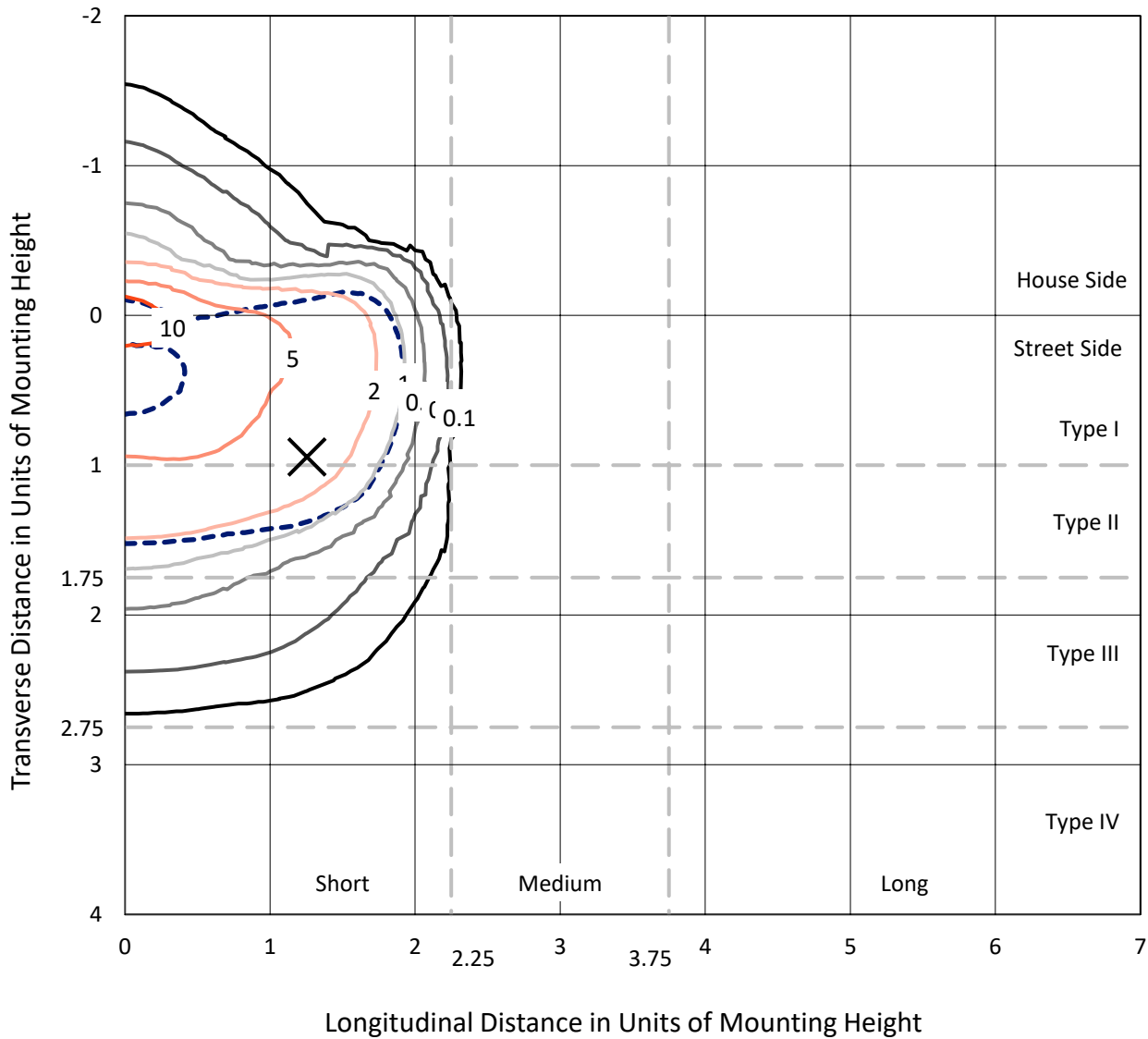
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

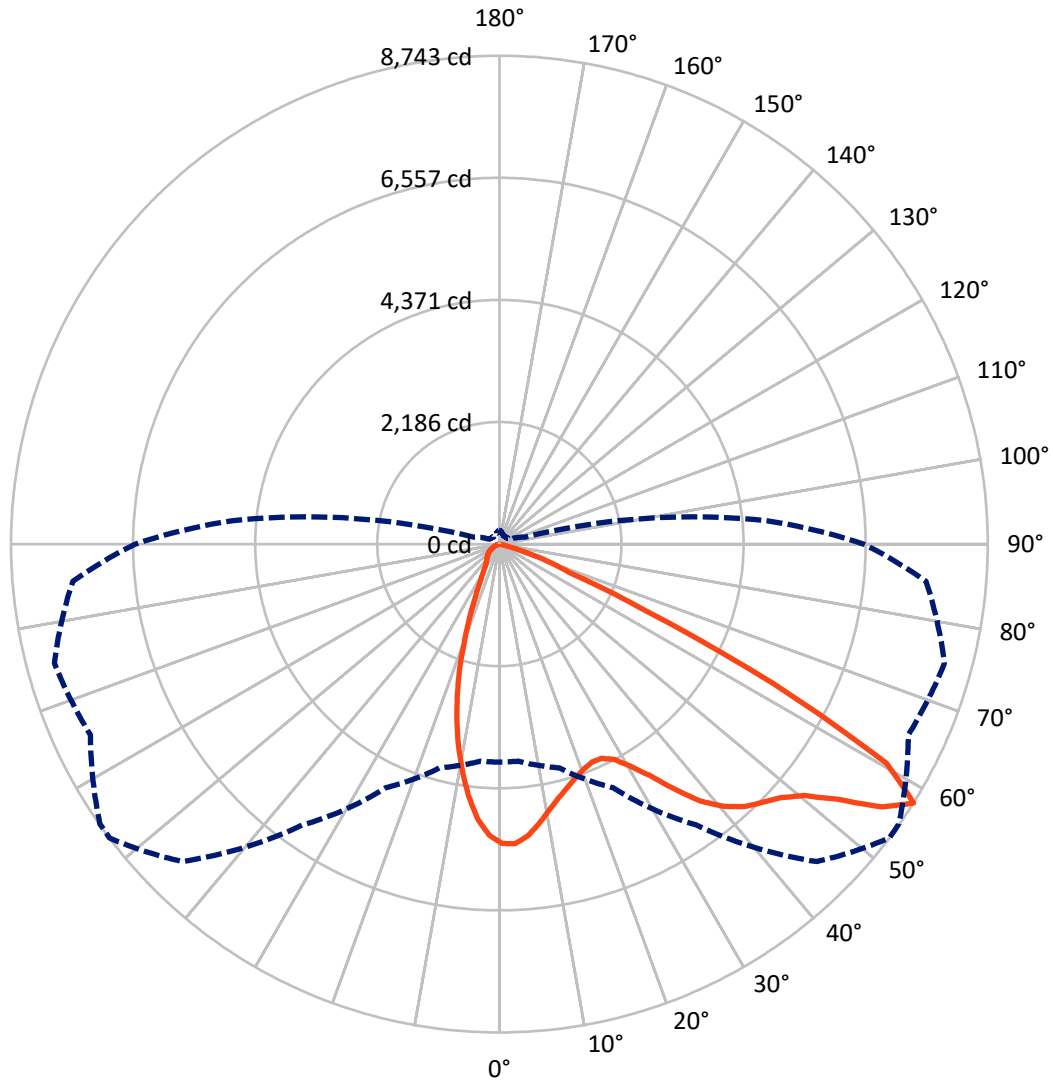
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.4 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	2017.6	0.0	2017.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	10196.4	0.0	10196.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	12214.0	0.0	12214.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.4	3.8
10°-20°	1006.4	8.2
20°-30°	1311.0	10.7
30°-40°	1901.7	15.6
40°-50°	2743.9	22.5
50°-60°	3318.6	27.2
60°-70°	1352.5	11.1
70°-80°	121.5	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°	12214.0	100.0
0°-180°	12214.0	100.0

Coefficient of Utilization



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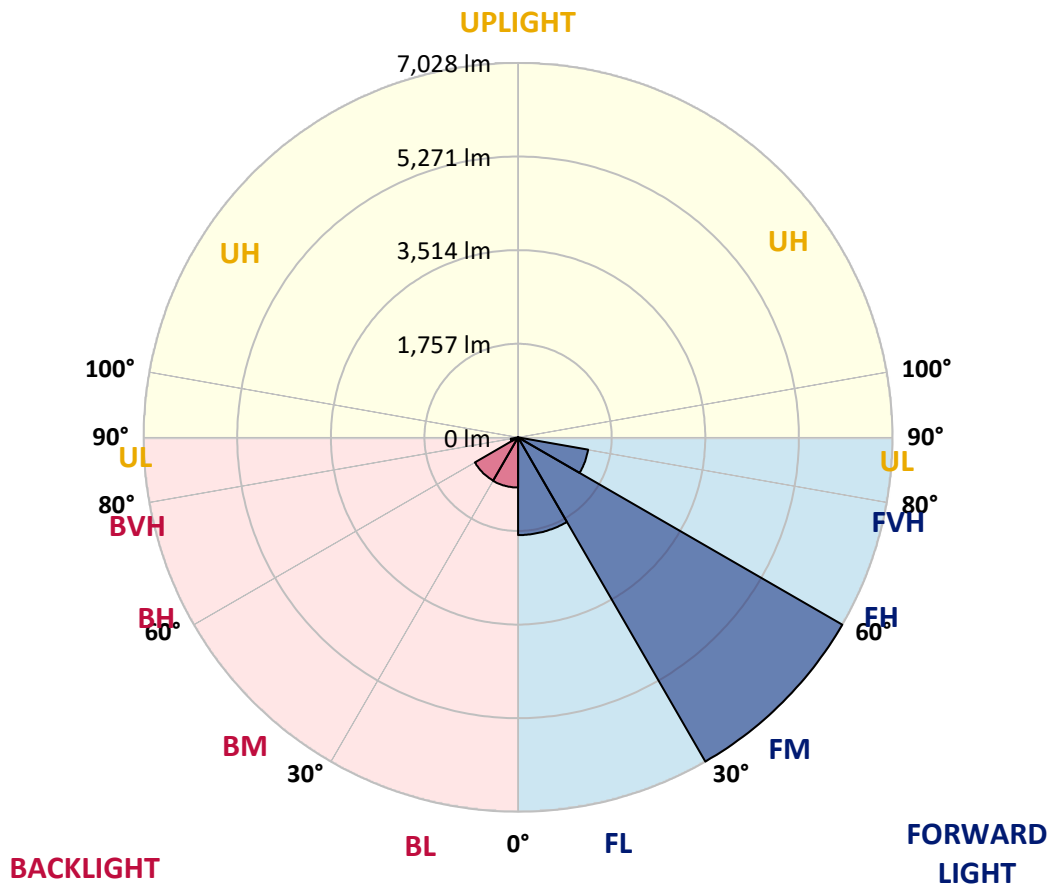
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1834.1	15.0			
FM (30°-60°)	7027.7	57.5			
FH (60°-80°)	1334.6	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	941.6	7.7	B2/1000		
BM (30°-60°)	936.5	7.7	B1/1000		
BH (60°-80°)	139.5	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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8
2.5°	5282.9	5294.9	5315.8	5342.8	5360.8	5369.7	5369.7	5395.2	5378.7	5365.2	5350.3
5°	5056.9	5068.8	5097.3	5140.7	5184.1	5215.5	5251.5	5278.4	5288.9	5288.9	5263.4
7.5°	4738.0	4754.5	4772.4	4832.3	4926.6	4997.0	5058.4	5097.3	5154.2	5172.1	5136.2
10°	4395.2	4411.7	4452.1	4534.4	4642.2	4747.0	4851.8	4901.2	4998.5	5049.4	5009.0
12.5°	4104.8	4112.3	4166.1	4264.9	4402.7	4546.4	4673.6	4724.5	4862.3	4938.6	4890.7
15°	3865.2	3869.7	3923.6	4032.9	4191.6	4368.2	4528.4	4580.8	4750.0	4865.2	4793.4
17.5°	3684.1	3685.6	3732.0	3850.3	4016.4	4212.6	4402.7	4467.0	4685.6	4824.8	4717.0
20°	3592.8	3588.3	3621.2	3724.5	3881.7	4077.8	4302.4	4381.7	4649.7	4818.8	4658.7
22.5°	3594.3	3583.8	3597.3	3670.6	3803.9	3988.0	4239.5	4329.3	4652.7	4844.3	4609.3
25°	3679.6	3664.7	3667.6	3706.6	3800.9	3968.5	4248.5	4344.3	4712.6	4929.6	4591.3
27.5°	3823.3	3806.9	3806.9	3826.3	3877.2	4029.9	4360.8	4470.0	4872.7	5095.8	4628.7
30°	4009.0	3992.5	3986.5	4006.0	4047.9	4188.6	4610.8	4724.5	5146.7	5368.2	4748.5
32.5°	4221.5	4202.1	4212.6	4239.5	4279.9	4474.5	4932.6	5083.8	5489.5	5735.0	4964.0
35°	4446.1	4429.6	4477.5	4535.9	4598.8	4871.2	5377.2	5509.0	5910.1	6191.6	5293.4
37.5°	4660.2	4652.7	4753.0	4875.7	5006.0	5347.3	5829.3	5931.1	6270.9	6688.6	5696.1
40°	4874.2	4872.7	5044.9	5260.5	5468.5	5821.8	6172.1	6256.0	6491.0	7074.8	6082.3
42.5°	5113.7	5113.7	5351.8	5639.2	5916.1	6223.0	6423.6	6461.0	6589.8	7297.9	6372.7
45°	5342.8	5356.3	5631.7	5965.5	6293.4	6535.9	6597.3	6600.3	6630.2	7429.6	6613.7
47.5°	5523.9	5535.9	5865.2	6250.0	6603.3	6773.9	6782.9	6769.4	6736.5	7555.4	6799.4
50°	5670.6	5688.6	6032.9	6440.1	6815.8	7003.0	7071.8	7058.3	6974.5	7690.1	6929.6
52.5°	5742.5	5767.9	6091.3	6534.4	7052.4	7395.2	7586.8	7618.2	7330.8	7764.9	7053.9
55°	5167.6	5205.1	5503.0	6109.2	7184.1	8001.5	8302.4	8296.4	7717.0	7988.0	7356.2
57.5°	3902.7	3899.7	4146.7	4809.9	6136.2	8035.9	8742.5	8730.5	8077.8	8247.0	7666.1
60°	2657.2	2639.2	2705.1	3025.4	4290.4	6546.4	7956.5	8118.2	7821.8	7618.2	6508.9
62.5°	2187.1	2170.6	2149.7	2061.4	2464.1	4077.8	5497.0	5742.5	5703.6	5294.9	4082.3
65°	1790.4	1803.9	1862.3	1824.8	1714.1	2091.3	2853.3	2998.5	2741.0	2306.9	1426.6
67.5°	1320.4	1326.3	1402.7	1600.3	1540.4	1392.2	1342.8	1366.8	800.9	368.3	238.0
70°	779.9	784.4	854.8	1119.8	1250.0	1068.9	907.2	893.7	317.4	98.8	107.8
72.5°	441.6	432.6	446.1	532.9	681.1	567.4	467.1	425.1	95.8	55.4	55.4
75°	209.6	203.6	175.1	164.7	149.7	95.8	59.9	50.9	24.0	22.5	22.5
77.5°	1.5	4.5	3.0	4.5	4.5	3.0	1.5	1.5	4.5	4.5	6.0
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°	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8	5357.8
2.5°	5323.3	5278.4	5267.9	5264.9	5223.0	5178.1	5131.7	5113.7	5086.8	5070.3	5083.8
5°	5223.0	5158.7	5101.8	5049.4	4956.6	4854.8	4766.4	4709.6	4655.7	4619.7	4628.7
7.5°	5080.8	4997.0	4866.7	4733.5	4562.9	4410.2	4239.5	4134.7	4037.4	3983.5	4009.0
10°	4929.6	4818.8	4610.8	4384.7	4116.7	3877.2	3633.2	3434.1	3318.8	3209.6	3221.5
12.5°	4781.4	4634.7	4323.3	3980.5	3642.2	3288.9	2920.6	2645.2	2456.6	2320.3	2299.4
15°	4643.7	4455.1	4043.4	3591.3	3130.2	2660.2	2190.1	1796.4	1577.8	1443.1	1434.1
17.5°	4520.9	4287.4	3753.0	3184.1	2606.3	2004.5	1464.1	1169.2	1043.4	985.0	979.0
20°	4402.7	4118.2	3456.6	2770.9	2034.4	1407.2	1010.5	874.2	833.8	809.9	812.9
22.5°	4288.9	3934.1	3145.2	2312.9	1525.4	988.0	782.9	730.5	726.0	729.0	730.5
25°	4193.1	3765.0	2824.8	1871.2	1088.3	753.0	654.2	639.2	652.7	672.2	675.1
27.5°	4143.7	3627.2	2512.0	1426.6	787.4	612.3	567.4	573.4	597.3	618.3	621.3
30°	4157.2	3523.9	2188.6	1034.4	606.3	516.5	501.5	513.5	537.4	556.9	559.9
32.5°	4253.0	3471.5	1857.8	753.0	498.5	450.6	444.6	453.6	474.5	489.5	491.0
35°	4443.1	3483.5	1543.4	576.3	428.1	401.2	399.7	405.7	416.2	426.6	428.1
37.5°	4723.0	3580.8	1233.5	479.0	387.7	368.3	362.3	362.3	369.8	374.2	377.2
40°	5023.9	3727.5	988.0	423.7	359.3	338.3	326.3	321.9	327.8	333.8	335.3
42.5°	5272.4	3874.2	802.4	384.7	336.8	308.4	293.4	290.4	297.9	308.4	311.4
45°	5462.5	3988.0	669.2	353.3	311.4	279.9	263.5	263.5	276.9	294.9	297.9
47.5°	5636.2	4079.3	570.4	324.8	287.4	254.5	238.0	241.0	263.5	287.4	291.9
50°	5754.5	4152.7	497.0	299.4	268.0	233.5	218.6	224.5	251.5	279.9	284.4
52.5°	5881.7	4242.5	449.1	276.9	250.0	217.1	203.6	208.1	238.0	269.5	275.4
55°	6233.5	4543.4	447.6	247.0	218.6	194.6	188.6	190.1	220.1	256.0	263.5
57.5°	6520.9	4808.4	477.5	208.1	182.6	170.7	167.7	169.2	196.1	236.5	245.5
60°	5395.2	3736.5	395.2	172.2	152.7	149.7	145.2	148.2	173.7	209.6	217.1
62.5°	3193.1	2136.2	188.6	131.7	130.2	127.2	122.8	128.7	152.7	184.1	188.6
65°	1091.3	633.2	119.8	107.8	110.8	106.3	101.8	107.8	128.7	146.7	148.2
67.5°	209.6	167.7	95.8	89.8	91.3	82.3	80.8	86.8	98.8	101.8	100.3
70°	109.3	97.3	73.4	73.4	70.4	58.4	58.4	64.4	64.4	59.9	58.4
72.5°	56.9	53.9	47.9	53.9	44.9	35.9	35.9	38.9	35.9	29.9	29.9
75°	22.5	22.5	21.0	26.9	19.5	16.5	15.0	18.0	13.5	10.5	10.5
77.5°	6.0	6.0	6.0	7.5	4.5	4.5	3.0	3.0	1.5	0.0	0.0
80°	0.0	1.5	0.0	1.5	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)