

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: P637318

Luminaire Tested: GWS-SA4C-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637318
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-SA4C-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11614 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

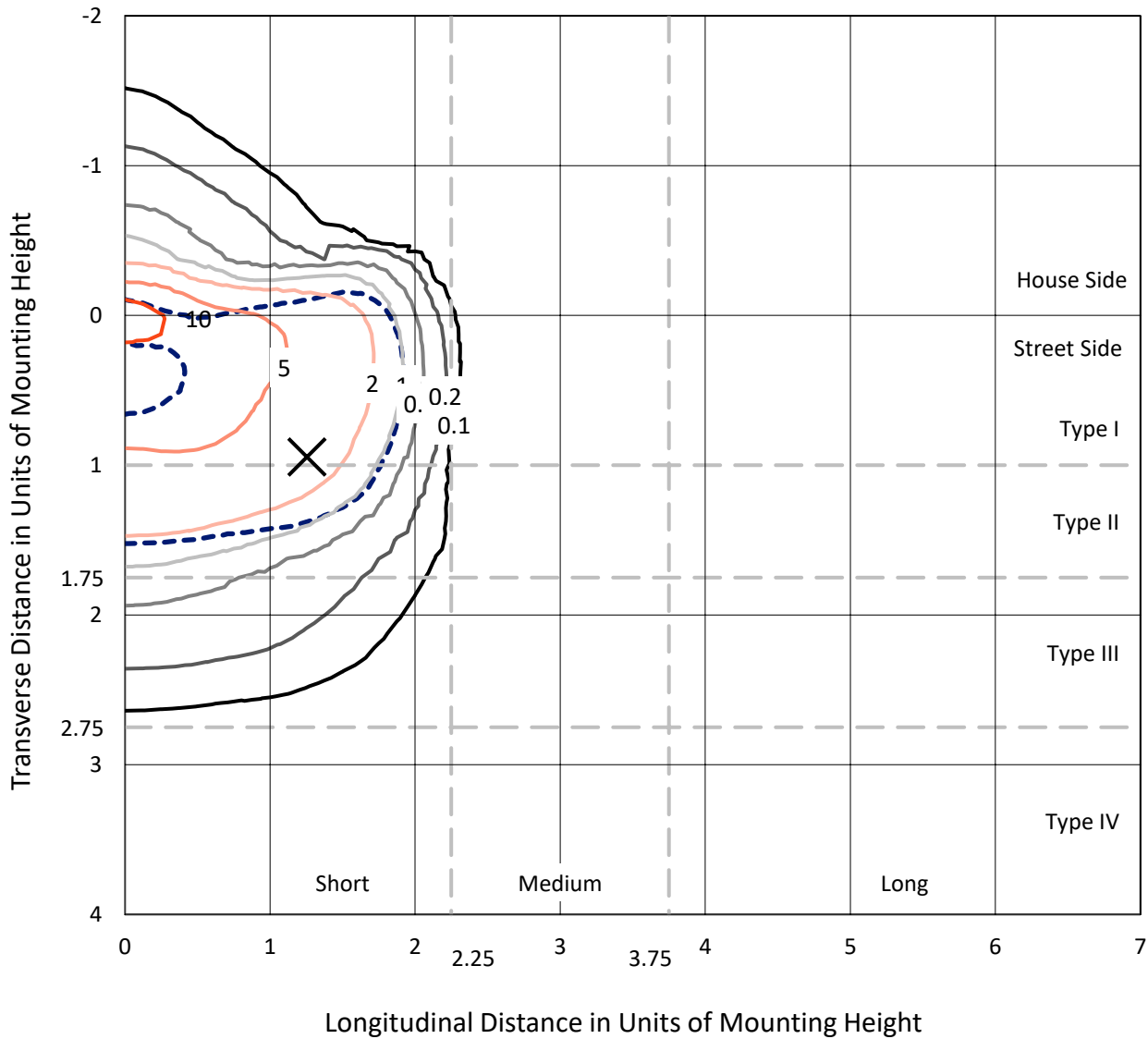
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637318
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Iso-Footcandle Lines of Horizontal Illumination

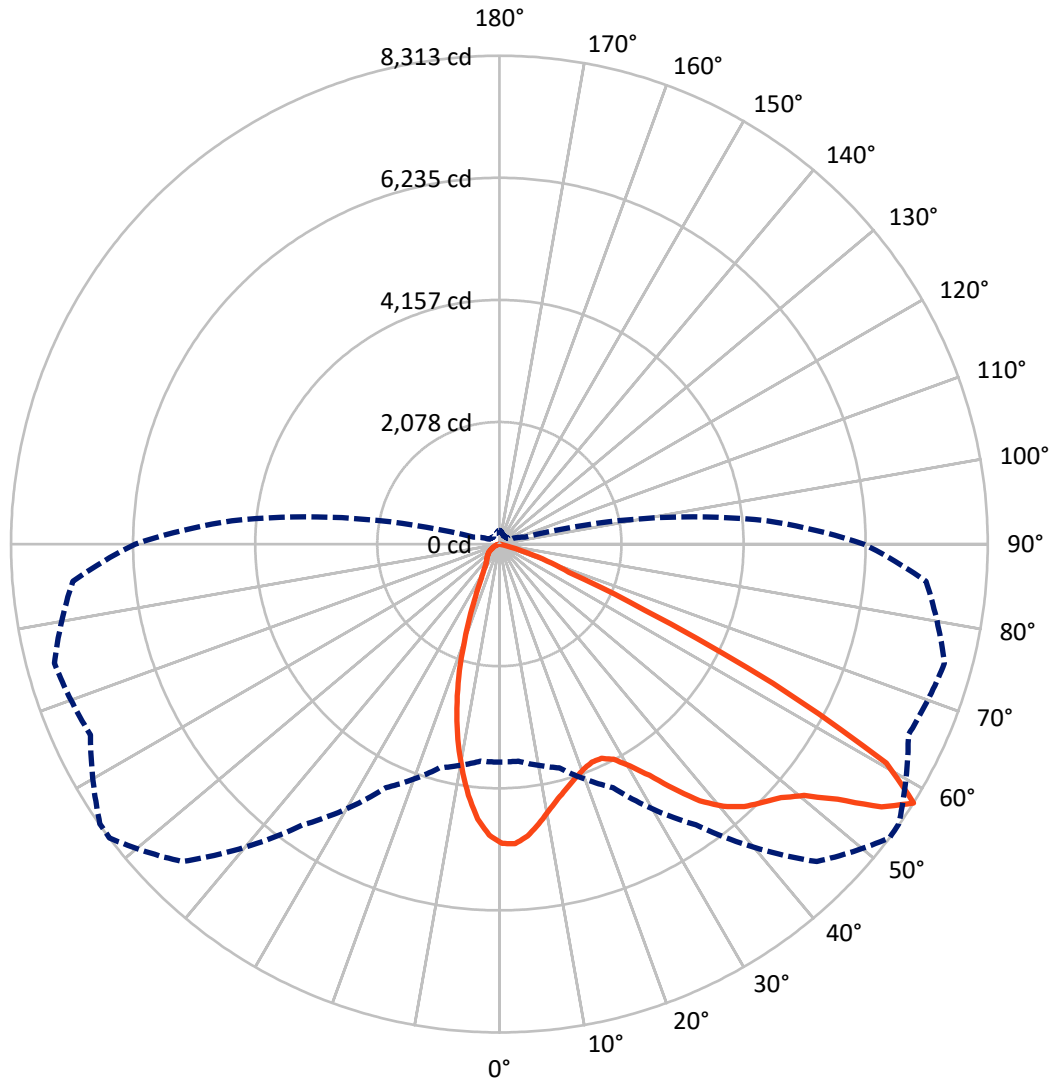
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - N/A

REPORT NUMBER: P637318
CATALOG NUMBER: GWS-SA4C-750-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637318

CATALOG NUMBER: GWS-SA4C-750-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1918.5	0.0	1918.5
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	9695.5	0.0	9695.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	11614.0	0.0	11614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.9	3.8
10°-20°	956.9	8.2
20°-30°	1246.6	10.7
30°-40°	1808.2	15.6
40°-50°	2609.2	22.5
50°-60°	3155.5	27.2
60°-70°	1286.1	11.1
70°-80°	115.6	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°	11614.0	100.0
0°-180°	11614.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637318

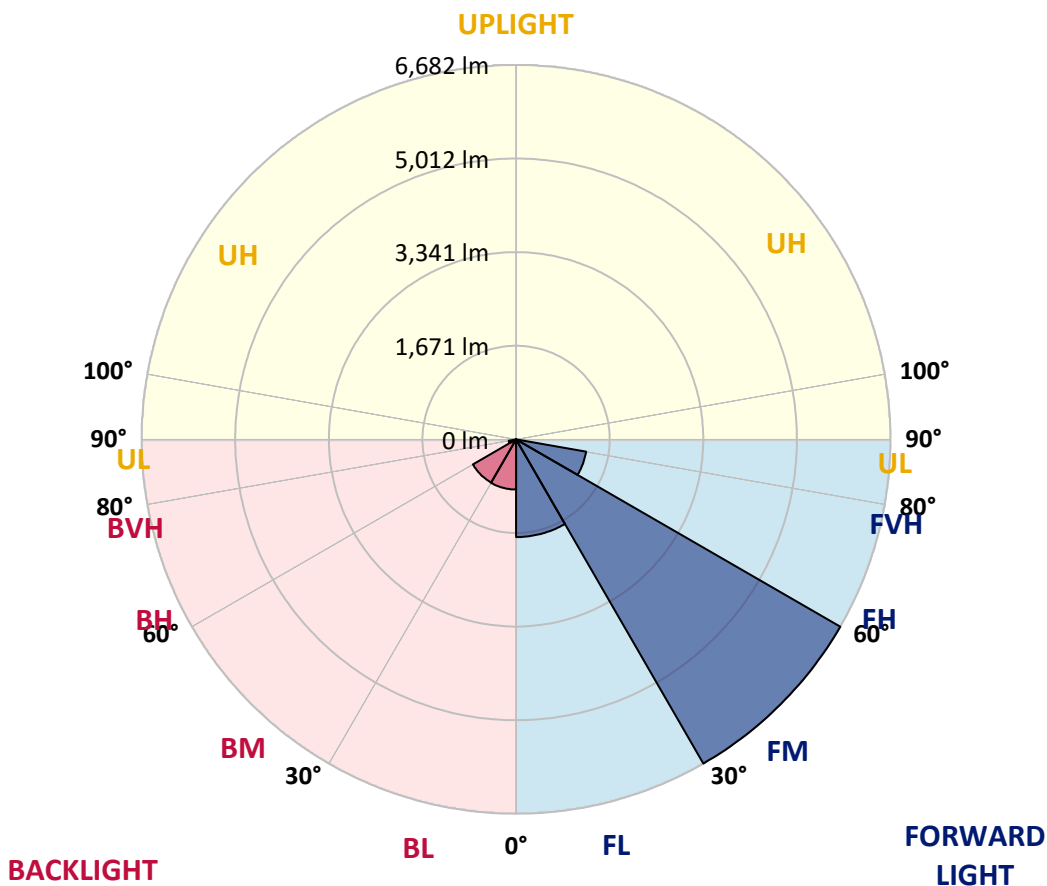
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1744.0	15.0			
FM (30°-60°)	6682.5	57.5			
FH (60°-80°)	1269.0	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	895.4	7.7	B2/1000		
BM (30°-60°)	890.5	7.7	B1/1000		
BH (60°-80°)	132.6	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





REPORT NUMBER: P637318

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6
2.5°	5023.4	5034.8	5054.7	5080.3	5097.4	5106.0	5106.0	5130.1	5114.5	5101.7	5087.4
5°	4808.4	4819.8	4846.9	4888.2	4929.4	4959.3	4993.5	5019.1	5029.1	5029.1	5004.9
7.5°	4505.3	4520.9	4538.0	4594.9	4684.6	4751.5	4809.9	4846.9	4901.0	4918.1	4883.9
10°	4179.3	4194.9	4233.4	4311.7	4414.1	4513.8	4613.4	4660.4	4752.9	4801.3	4762.9
12.5°	3903.1	3910.2	3961.5	4055.4	4186.4	4323.0	4444.0	4492.4	4623.4	4696.0	4650.4
15°	3675.4	3679.6	3730.9	3834.8	3985.7	4153.7	4306.0	4355.8	4516.6	4626.2	4557.9
17.5°	3503.1	3504.6	3548.7	3661.1	3819.1	4005.6	4186.4	4247.6	4455.4	4587.8	4485.3
20°	3416.3	3412.0	3443.3	3541.6	3691.0	3877.5	4091.0	4166.5	4421.3	4582.1	4429.8
22.5°	3417.7	3407.8	3420.6	3490.3	3617.0	3792.1	4031.2	4116.6	4424.1	4606.3	4382.8
25°	3498.9	3484.6	3487.5	3524.5	3614.2	3773.6	4039.8	4130.9	4481.1	4687.5	4365.8
27.5°	3635.5	3619.9	3619.9	3638.4	3686.8	3832.0	4146.5	4250.5	4633.4	4845.5	4401.3
30°	3812.0	3796.4	3790.7	3809.2	3849.0	3982.8	4384.3	4492.4	4893.9	5104.5	4515.2
32.5°	4014.2	3995.7	4005.6	4031.2	4069.7	4254.7	4690.3	4834.1	5219.8	5453.3	4720.2
35°	4227.7	4212.0	4257.6	4313.1	4372.9	4631.9	5113.1	5238.3	5619.8	5887.4	5033.4
37.5°	4431.2	4424.1	4519.5	4636.2	4760.0	5084.6	5543.0	5639.7	5962.9	6360.0	5416.3
40°	4634.8	4633.4	4797.1	5002.0	5199.9	5535.8	5868.9	5948.6	6172.1	6727.3	5783.5
42.5°	4862.5	4862.5	5088.9	5362.2	5625.5	5917.3	6108.1	6143.7	6266.1	6939.4	6059.7
45°	5080.3	5093.1	5355.1	5672.5	5984.2	6214.8	6273.2	6276.0	6304.5	7064.6	6288.8
47.5°	5252.6	5264.0	5577.1	5942.9	6278.9	6441.2	6449.7	6436.9	6405.6	7184.2	6465.4
50°	5392.1	5409.1	5736.5	6123.7	6481.0	6658.9	6724.4	6711.6	6631.9	7312.3	6589.2
52.5°	5460.4	5484.6	5792.1	6213.4	6705.9	7031.9	7214.1	7244.0	6970.7	7383.5	6707.3
55°	4913.8	4949.4	5232.6	5809.1	6831.2	7608.4	7894.5	7888.8	7337.9	7595.6	6994.9
57.5°	3711.0	3708.1	3943.0	4573.6	5834.8	7641.1	8313.0	8301.6	7681.0	7841.8	7289.5
60°	2526.6	2509.6	2572.2	2876.8	4079.6	6224.8	7565.7	7719.4	7437.6	7244.0	6189.2
62.5°	2079.7	2064.0	2044.1	1960.1	2343.0	3877.5	5226.9	5460.4	5423.4	5034.8	3881.8
65°	1702.5	1715.3	1770.8	1735.2	1629.9	1988.6	2713.1	2851.2	2606.4	2193.6	1356.6
67.5°	1255.5	1261.2	1333.8	1521.7	1464.7	1323.8	1276.8	1299.6	761.6	350.2	226.3
70°	741.6	745.9	812.8	1064.7	1188.6	1016.4	862.6	849.8	301.8	93.9	102.5
72.5°	419.9	411.4	424.2	506.8	647.7	539.5	444.1	404.3	91.1	52.7	52.7
75°	199.3	193.6	166.5	156.6	142.3	91.1	56.9	48.4	22.8	21.4	21.4
77.5°	1.4	4.3	2.8	4.3	4.3	2.8	1.4	1.4	4.3	4.3	5.7
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



REPORT NUMBER: P637318

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6	5094.6
2.5°	5061.8	5019.1	5009.2	5006.3	4966.5	4923.7	4879.6	4862.5	4836.9	4821.3	4834.1
5°	4966.5	4905.2	4851.2	4801.3	4713.1	4616.3	4532.3	4478.2	4427.0	4392.8	4401.3
7.5°	4831.2	4751.5	4627.7	4501.0	4338.7	4193.5	4031.2	3931.6	3839.1	3787.8	3812.0
10°	4687.5	4582.1	4384.3	4169.3	3914.5	3686.8	3454.7	3265.4	3155.8	3051.9	3063.3
12.5°	4546.5	4407.0	4111.0	3785.0	3463.3	3127.3	2777.2	2515.3	2335.9	2206.4	2186.4
15°	4415.6	4236.2	3844.8	3414.9	2976.5	2529.5	2082.5	1708.2	1500.3	1372.2	1363.7
17.5°	4298.8	4076.8	3568.6	3027.7	2478.2	1906.0	1392.1	1111.7	992.2	936.6	930.9
20°	4186.4	3915.9	3286.8	2634.8	1934.5	1338.1	960.8	831.3	792.9	770.1	772.9
22.5°	4078.2	3740.9	2990.7	2199.2	1450.5	939.5	744.5	694.6	690.4	693.2	694.6
25°	3987.1	3580.0	2686.1	1779.3	1034.9	716.0	622.1	607.8	620.6	639.1	642.0
27.5°	3940.1	3449.0	2388.6	1356.6	748.7	582.2	539.5	545.2	568.0	587.9	590.7
30°	3952.9	3350.8	2081.1	983.6	576.5	491.1	476.9	488.2	511.0	529.5	532.4
32.5°	4044.0	3301.0	1766.5	716.0	474.0	428.5	422.8	431.3	451.2	465.5	466.9
35°	4224.8	3312.4	1467.6	548.0	407.1	381.5	380.1	385.8	395.7	405.7	407.1
37.5°	4491.0	3404.9	1172.9	455.5	368.7	350.2	344.5	344.5	351.6	355.9	358.7
40°	4777.1	3544.4	939.5	402.8	341.6	321.7	310.3	306.0	311.7	317.4	318.9
42.5°	5013.4	3683.9	763.0	365.8	320.3	293.2	279.0	276.2	283.3	293.2	296.1
45°	5194.2	3792.1	636.3	335.9	296.1	266.2	250.5	250.5	263.3	280.4	283.3
47.5°	5359.3	3878.9	542.3	308.9	273.3	242.0	226.3	229.2	250.5	273.3	277.6
50°	5471.8	3948.7	472.6	284.7	254.8	222.1	207.8	213.5	239.1	266.2	270.5
52.5°	5592.8	4034.1	427.0	263.3	237.7	206.4	193.6	197.9	226.3	256.2	261.9
55°	5927.3	4320.2	425.6	234.9	207.8	185.0	179.4	180.8	209.2	243.4	250.5
57.5°	6200.6	4572.2	454.1	197.9	173.7	162.3	159.4	160.9	186.5	224.9	233.4
60°	5130.1	3553.0	375.8	163.7	145.2	142.3	138.1	140.9	165.1	199.3	206.4
62.5°	3036.2	2031.3	179.4	125.3	123.8	121.0	116.7	122.4	145.2	175.1	179.4
65°	1037.7	602.1	113.9	102.5	105.3	101.1	96.8	102.5	122.4	139.5	140.9
67.5°	199.3	159.4	91.1	85.4	86.8	78.3	76.9	82.6	93.9	96.8	95.4
70°	103.9	92.5	69.7	69.7	66.9	55.5	55.5	61.2	61.2	56.9	55.5
72.5°	54.1	51.2	45.6	51.2	42.7	34.2	34.2	37.0	34.2	28.5	28.5
75°	21.4	21.4	19.9	25.6	18.5	15.7	14.2	17.1	12.8	10.0	10.0
77.5°	5.7	5.7	5.7	7.1	4.3	4.3	2.8	2.8	1.4	0.0	0.0
80°	0.0	1.4	0.0	1.4	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)