

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: P635723

Luminaire Tested: GWS-SA3E-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635723  
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-SA3E-735-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

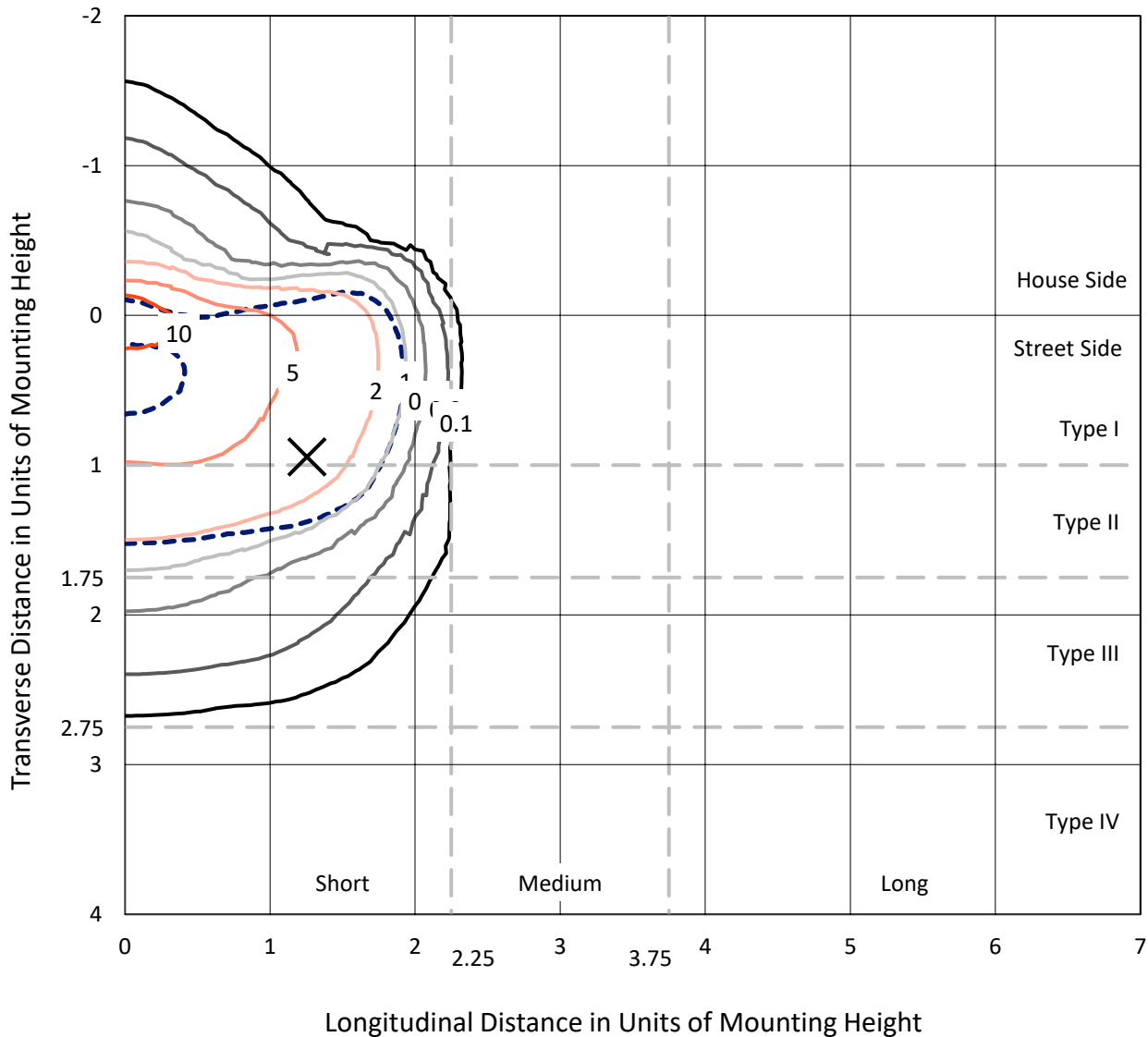
Lumens per Lamp: N/A  
Luminaire Lumens: 12686.5 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

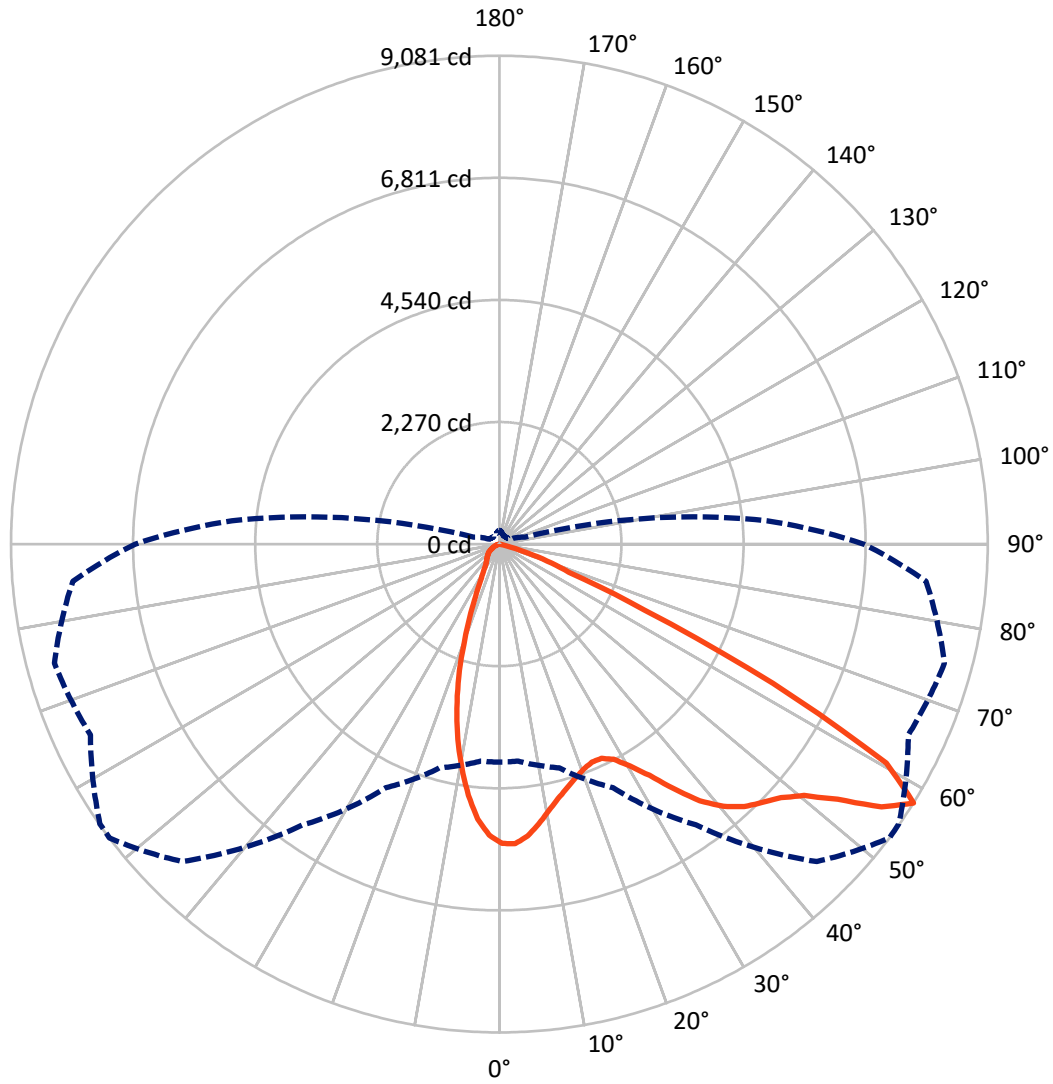
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.9 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
<b>House Side</b>	Lumens	2095.6	0.0	2095.6
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	10590.9	0.0	10590.9
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	12686.5	0.0	12686.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	476.1	3.8
10°-20°	1045.3	8.2
20°-30°	1361.7	10.7
30°-40°	1975.2	15.6
40°-50°	2850.1	22.5
50°-60°	3446.9	27.2
60°-70°	1404.8	11.1
70°-80°	126.2	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°	12686.5	100.0
0°-180°	12686.5	100.0

**Coefficient of Utilization**



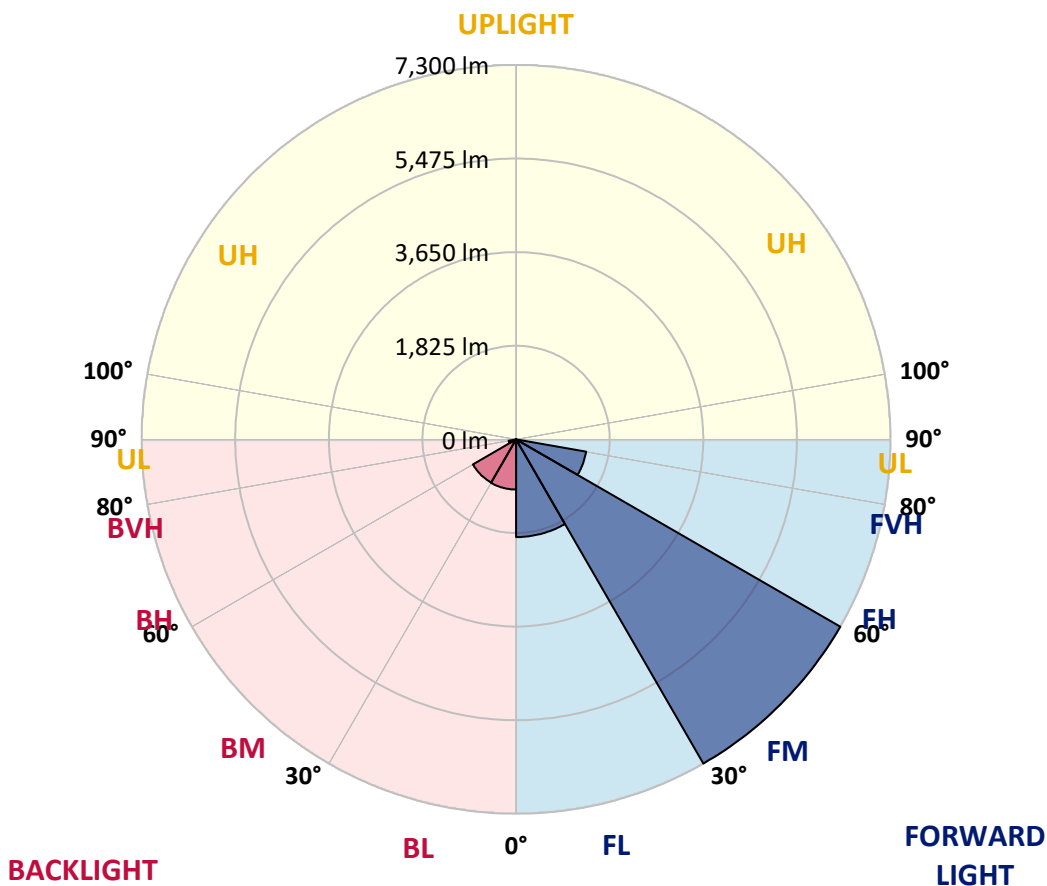
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1905.1	15.0			
FM (30°-60°)	7299.6	57.5			
FH (60°-80°)	1386.2	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	978.1	7.7	B2/1000		
BM (30°-60°)	972.7	7.7	B1/1000		
BH (60°-80°)	144.9	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°	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0
2.5°	5487.3	5499.7	5521.5	5549.5	5568.1	5577.5	5577.5	5603.9	5586.8	5572.8	5557.2
5°	5252.5	5264.9	5294.5	5339.6	5384.7	5417.3	5454.6	5482.6	5493.5	5493.5	5467.1
7.5°	4921.3	4938.4	4957.1	5019.2	5117.2	5190.3	5254.0	5294.5	5353.6	5372.2	5334.9
10°	4565.2	4582.3	4624.3	4709.8	4821.8	4930.6	5039.5	5090.8	5191.8	5244.7	5202.7
12.5°	4263.6	4271.3	4327.3	4429.9	4573.0	4722.3	4854.4	4907.3	5050.3	5129.6	5079.9
15°	4014.8	4019.4	4075.4	4188.9	4353.7	4537.2	4703.6	4758.0	4933.7	5053.5	4978.8
17.5°	3826.6	3828.2	3876.4	3999.2	4171.8	4375.5	4573.0	4639.9	4866.9	5011.5	4899.5
20°	3731.8	3727.1	3761.3	3868.6	4031.9	4235.6	4468.8	4551.2	4829.5	5005.3	4838.9
22.5°	3733.3	3722.5	3736.4	3812.6	3951.0	4142.3	4403.5	4496.8	4832.7	5031.7	4787.6
25°	3822.0	3806.4	3809.5	3850.0	3947.9	4122.1	4412.8	4512.3	4894.9	5120.3	4768.9
27.5°	3971.2	3954.1	3954.1	3974.3	4027.2	4185.8	4529.5	4643.0	5061.2	5292.9	4807.8
30°	4164.0	4146.9	4140.7	4160.9	4204.5	4350.6	4789.1	4907.3	5345.8	5575.9	4932.2
32.5°	4384.8	4364.6	4375.5	4403.5	4445.5	4647.6	5123.4	5280.5	5701.9	5956.9	5156.1
35°	4618.1	4601.0	4650.7	4711.4	4776.7	5059.7	5585.2	5722.1	6138.8	6431.1	5498.2
37.5°	4840.4	4832.7	4936.8	5064.3	5199.6	5554.1	6054.8	6160.6	6513.5	6947.3	5916.4
40°	5062.8	5061.2	5240.0	5464.0	5680.1	6047.0	6410.9	6498.0	6742.1	7348.5	6317.6
42.5°	5311.6	5311.6	5558.8	5857.3	6145.0	6463.8	6672.1	6711.0	6844.7	7580.2	6619.3
45°	5549.5	5563.5	5849.6	6196.3	6536.8	6788.7	6852.5	6855.6	6886.7	7717.0	6869.6
47.5°	5737.6	5750.1	6092.1	6491.7	6858.7	7036.0	7045.3	7031.3	6997.1	7847.6	7062.4
50°	5890.0	5908.7	6266.3	6689.2	7079.5	7273.9	7345.4	7331.4	7244.3	7987.6	7197.7
52.5°	5964.6	5991.1	6326.9	6787.2	7325.2	7681.3	7880.3	7912.9	7614.4	8065.3	7326.7
55°	5367.5	5406.4	5715.8	6345.6	7462.0	8311.0	8623.5	8617.3	8015.6	8297.0	7640.8
57.5°	4053.6	4050.5	4307.1	4995.9	6373.6	8346.8	9080.7	9068.2	8390.3	8566.0	7962.7
60°	2760.0	2741.3	2809.7	3142.5	4456.4	6799.6	8264.3	8432.3	8124.4	7912.9	6760.7
62.5°	2271.7	2254.6	2232.9	2141.1	2559.4	4235.6	5709.6	5964.6	5924.2	5499.7	4240.2
65°	1859.7	1873.7	1934.3	1895.4	1780.4	2172.2	2963.7	3114.5	2847.0	2396.1	1481.8
67.5°	1371.4	1377.7	1457.0	1662.2	1600.0	1446.1	1394.8	1419.6	831.9	382.5	247.2
70°	810.1	814.8	887.9	1163.1	1298.3	1110.2	942.3	928.3	329.6	102.6	112.0
72.5°	458.7	449.4	463.4	553.5	707.5	589.3	485.1	441.6	99.5	57.5	57.5
75°	217.7	211.5	181.9	171.0	155.5	99.5	62.2	52.9	24.9	23.3	23.3
77.5°	1.6	4.7	3.1	4.7	4.7	3.1	1.6	1.6	4.7	4.7	6.2
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°	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0	5565.0
2.5°	5529.3	5482.6	5471.7	5468.6	5425.1	5378.4	5330.2	5311.6	5283.6	5266.5	5280.5
5°	5425.1	5358.2	5299.1	5244.7	5148.3	5042.6	4950.8	4891.7	4835.8	4798.5	4807.8
7.5°	5277.4	5190.3	5055.0	4916.6	4739.4	4580.8	4403.5	4294.7	4193.6	4137.6	4164.0
10°	5120.3	5005.3	4789.1	4554.3	4276.0	4027.2	3773.8	3567.0	3447.2	3333.7	3346.2
12.5°	4966.4	4814.0	4490.6	4134.5	3783.1	3416.1	3033.6	2747.5	2551.6	2410.1	2388.3
15°	4823.3	4627.4	4199.8	3730.2	3251.3	2763.1	2274.8	1865.9	1638.9	1498.9	1489.6
17.5°	4695.8	4453.3	3898.2	3307.3	2707.1	2082.0	1520.7	1214.4	1083.8	1023.1	1016.9
20°	4573.0	4277.6	3590.3	2878.1	2113.1	1461.6	1049.6	908.1	866.1	841.2	844.3
22.5°	4454.8	4086.3	3266.9	2402.3	1584.5	1026.2	813.2	758.8	754.1	757.2	758.8
25°	4355.3	3910.6	2934.1	1943.6	1130.4	782.1	679.5	663.9	677.9	698.2	701.3
27.5°	4304.0	3767.5	2609.1	1481.8	817.9	636.0	589.3	595.5	620.4	642.2	645.3
30°	4318.0	3660.3	2273.3	1074.4	629.7	536.4	520.9	533.3	558.2	578.4	581.5
32.5°	4417.5	3605.8	1929.6	782.1	517.8	468.0	461.8	471.1	492.9	508.5	510.0
35°	4615.0	3618.3	1603.1	598.6	444.7	416.7	415.2	421.4	432.3	443.1	444.7
37.5°	4905.7	3719.3	1281.2	497.6	402.7	382.5	376.3	376.3	384.1	388.7	391.8
40°	5218.3	3871.7	1026.2	440.0	373.2	351.4	339.0	334.3	340.5	346.7	348.3
42.5°	5476.4	4024.1	833.4	399.6	349.9	320.3	304.8	301.7	309.4	320.3	323.4
45°	5673.9	4142.3	695.0	367.0	323.4	290.8	273.7	273.7	287.7	306.3	309.4
47.5°	5854.2	4237.1	592.4	337.4	298.5	264.3	247.2	250.3	273.7	298.5	303.2
50°	5977.1	4313.3	516.2	311.0	278.3	242.6	227.0	233.2	261.2	290.8	295.4
52.5°	6109.2	4406.6	466.5	287.7	259.7	225.5	211.5	216.1	247.2	279.9	286.1
55°	6474.6	4719.2	464.9	256.6	227.0	202.1	195.9	197.5	228.6	265.9	273.7
57.5°	6773.2	4994.4	496.0	216.1	189.7	177.3	174.1	175.7	203.7	245.7	255.0
60°	5603.9	3881.1	410.5	178.8	158.6	155.5	150.8	153.9	180.4	217.7	225.5
62.5°	3316.6	2218.9	195.9	136.8	135.3	132.2	127.5	133.7	158.6	191.3	195.9
65°	1133.5	657.7	124.4	112.0	115.1	110.4	105.7	112.0	133.7	152.4	153.9
67.5°	217.7	174.1	99.5	93.3	94.8	85.5	84.0	90.2	102.6	105.7	104.2
70°	113.5	101.1	76.2	76.2	73.1	60.6	60.6	66.9	66.9	62.2	60.6
72.5°	59.1	56.0	49.8	56.0	46.6	37.3	37.3	40.4	37.3	31.1	31.1
75°	23.3	23.3	21.8	28.0	20.2	17.1	15.5	18.7	14.0	10.9	10.9
77.5°	6.2	6.2	6.2	7.8	4.7	4.7	3.1	3.1	1.6	0.0	0.0
80°	0.0	1.6	0.0	1.6	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)