

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: P643306

Luminaire Tested: GWS-SA6E-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643306
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29271.1 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

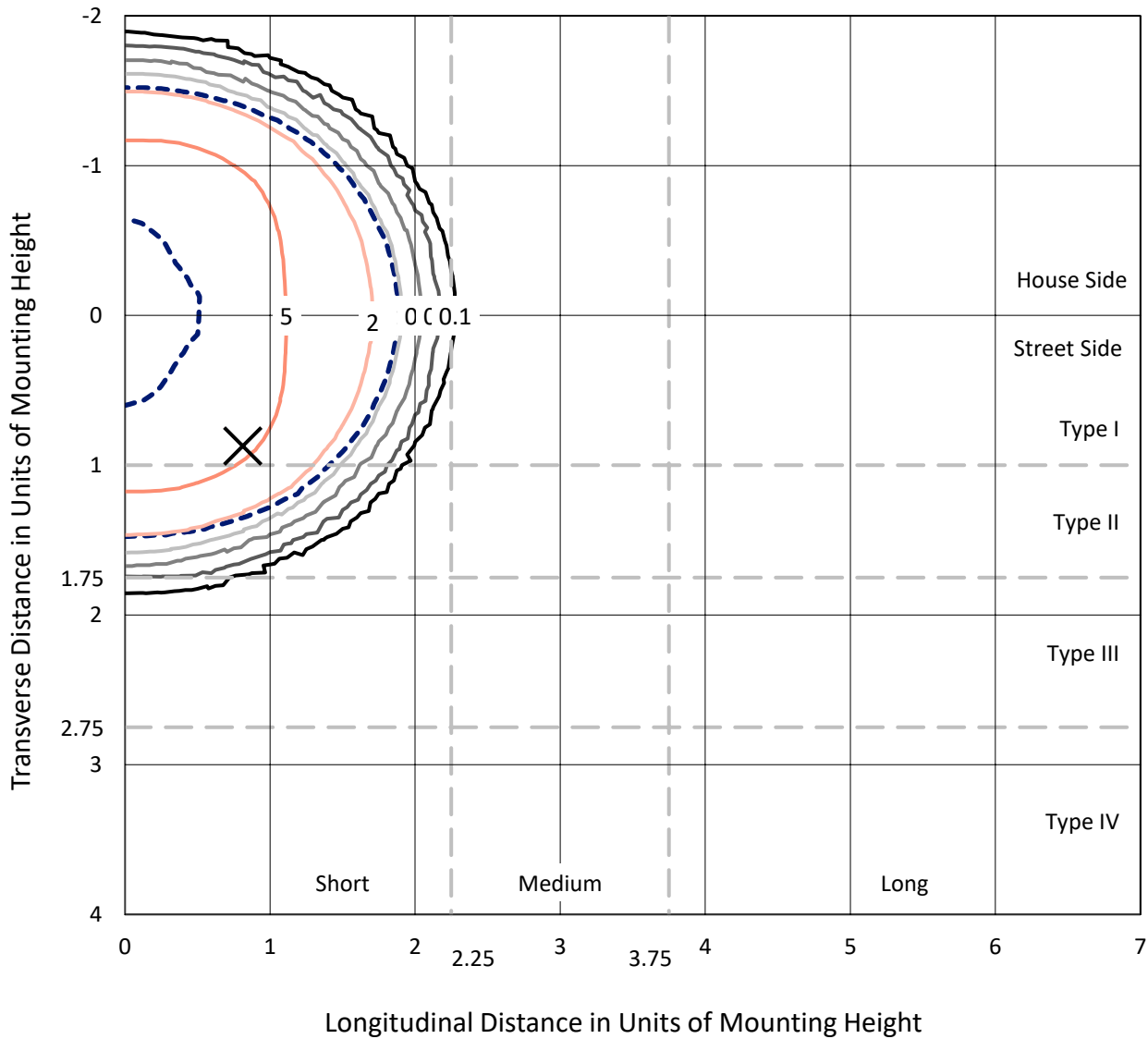
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643306
 CATALOG NUMBER: GWS-SA6E-760-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

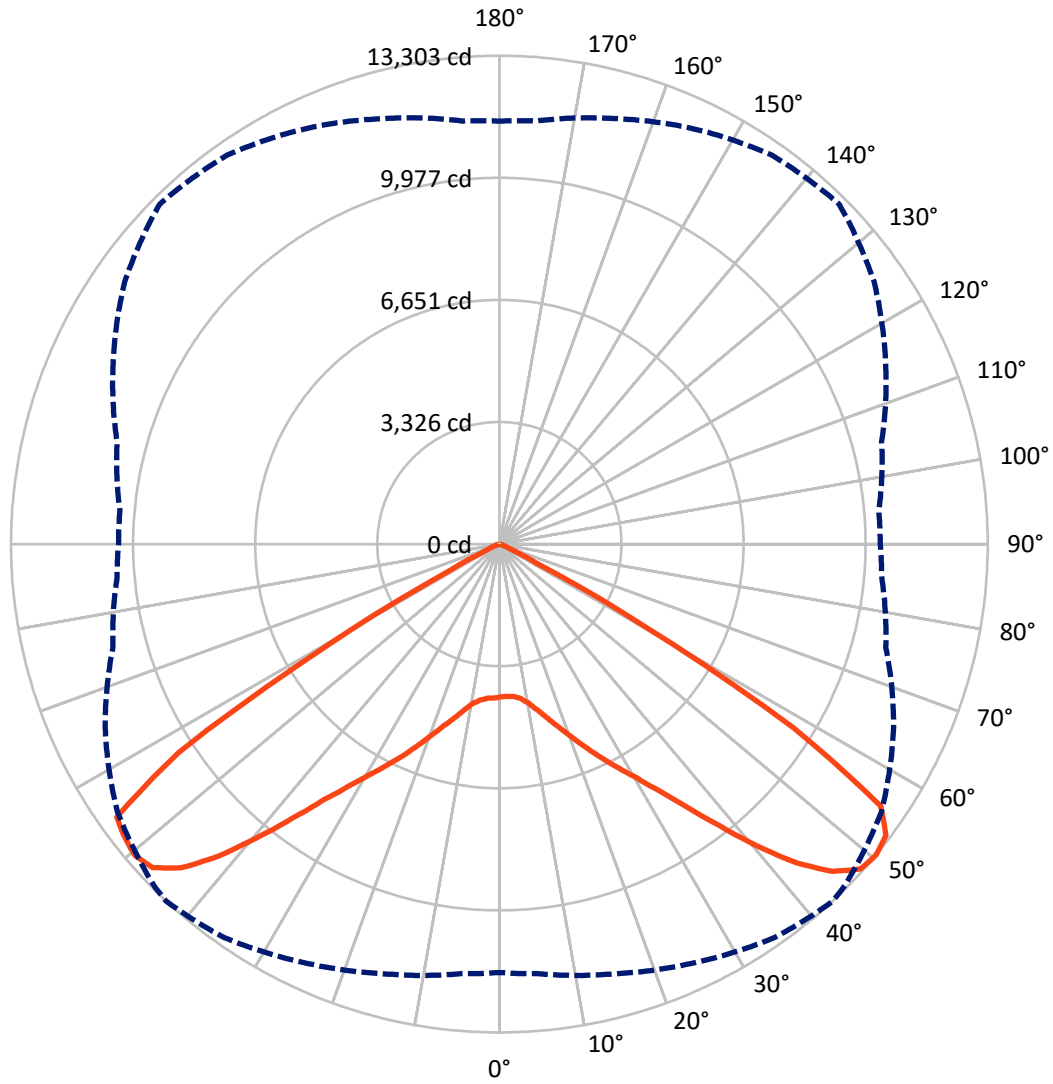
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

REPORT NUMBER: P643306
CATALOG NUMBER: GWS-SA6E-760-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643306
 CATALOG NUMBER: GWS-SA6E-760-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14635.2	0.0	14635.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14635.9	0.0	14635.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	29271.1	0.0	29271.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.0	1.4
10°-20°	1410.9	4.8
20°-30°	2854.5	9.8
30°-40°	5296.1	18.1
40°-50°	8791.2	30.0
50°-60°	8971.8	30.7
60°-70°	1471.3	5.0
70°-80°	64.4	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°	29271.1	100.0
0°-180°	29271.1	100.0

Coefficient of Utilization

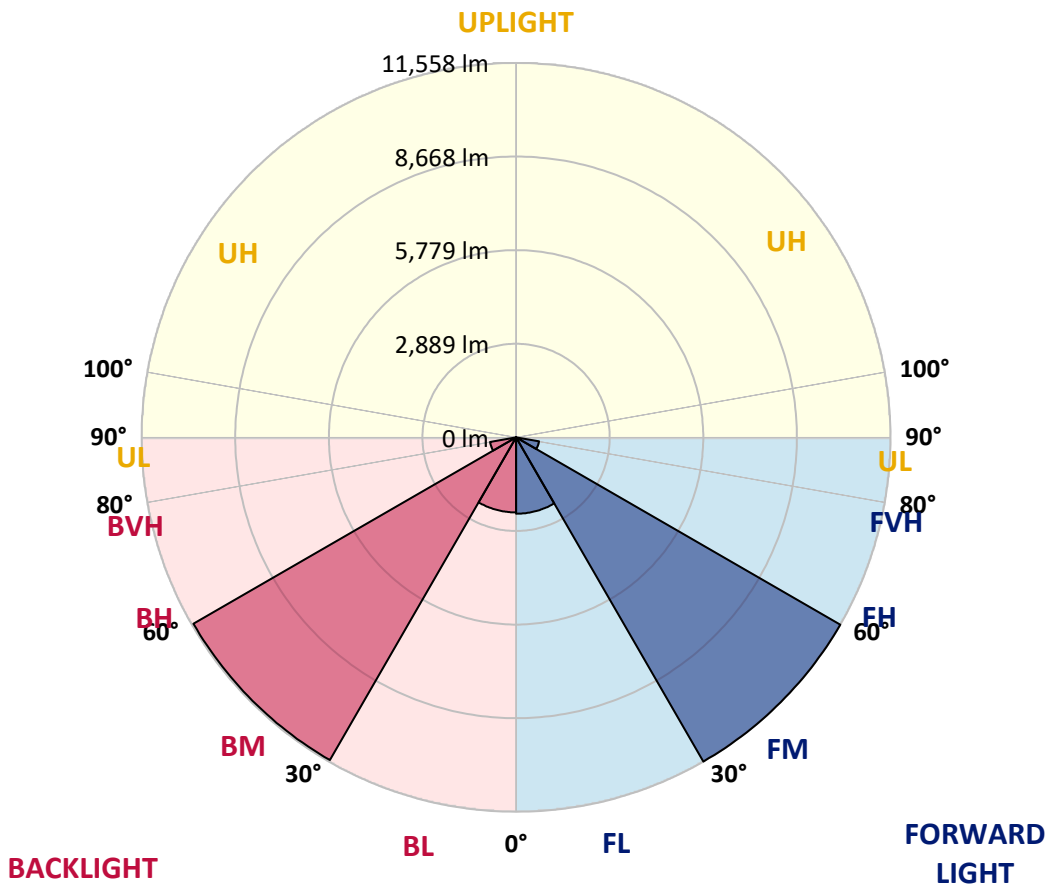


REPORT NUMBER: P643306
 CATALOG NUMBER: GWS-SA6E-760-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2358.2	8.1			
FM (30°-60°)	11557.6	39.5			
FH (60°-80°)	719.7	2.5			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	2317.2	7.9	B3/2500		
BM (30°-60°)	11501.5	39.3	B5		
BH (60°-80°)	815.9	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





REPORT NUMBER: P643306

CATALOG NUMBER: GWS-SA6E-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4
2.5°	4085.7	4095.4	4108.3	4121.3	4137.5	4153.6	4163.4	4192.5	4186.0	4211.9	4211.9
5°	4040.3	4050.0	4066.2	4095.4	4131.0	4166.6	4192.5	4250.8	4283.1	4334.9	4354.4
7.5°	4063.0	4075.9	4095.4	4140.7	4195.7	4250.8	4279.9	4373.8	4438.5	4535.7	4590.7
10°	4137.5	4150.4	4182.8	4260.5	4331.7	4409.4	4445.0	4564.8	4668.4	4801.1	4878.8
12.5°	4221.6	4237.8	4302.6	4419.1	4542.1	4645.7	4694.3	4827.0	4933.9	5082.8	5205.8
15°	4309.0	4334.9	4435.3	4606.9	4781.7	4920.9	4972.7	5115.2	5222.0	5380.6	5519.8
17.5°	4513.0	4542.1	4655.4	4840.0	5079.5	5241.4	5286.7	5435.7	5516.6	5623.4	5769.1
20°	4768.8	4823.8	4963.0	5186.4	5448.6	5604.0	5636.4	5782.1	5775.6	5820.9	5947.2
22.5°	5086.0	5124.9	5277.0	5542.5	5837.1	6008.7	6083.2	6144.7	6063.7	6024.9	6105.8
25°	5416.2	5461.6	5626.7	5918.0	6248.3	6445.7	6507.3	6555.8	6426.3	6280.6	6290.4
27.5°	5843.6	5876.0	6037.8	6348.6	6678.8	6902.2	6957.3	7041.4	6869.9	6636.8	6572.0
30°	6351.9	6384.2	6555.8	6882.8	7209.8	7400.8	7485.0	7588.6	7400.8	7109.4	7035.0
32.5°	6947.6	6979.9	7200.1	7536.8	7805.5	8012.7	8093.6	8203.7	8054.8	7727.8	7643.6
35°	7659.8	7679.2	7938.2	8304.0	8588.9	8789.7	8844.7	8974.2	8809.1	8482.1	8436.8
37.5°	8485.3	8508.0	8789.7	9213.8	9505.1	9728.5	9815.9	9851.5	9650.8	9285.0	9249.4
40°	9391.8	9466.3	9741.5	10197.9	10524.9	10806.6	10884.3	10764.5	10482.8	9984.3	9919.5
42.5°	10337.2	10401.9	10709.5	11204.8	11583.6	11871.7	11874.9	11615.9	11136.8	10447.2	10350.1
45°	11123.9	11149.8	11548.0	12046.5	12512.7	12716.7	12736.1	12266.7	11544.7	10715.9	10508.7
47.5°	11664.5	11706.6	12053.0	12532.1	13046.9	13231.4	13192.6	12606.6	11739.0	10890.8	10547.6
50°	11671.0	11742.2	12117.7	12580.7	13079.3	13302.7	13247.6	12703.7	11849.0	10897.2	10453.7
52.5°	10638.2	10754.8	11366.7	12036.8	12800.8	13182.9	13195.8	12830.0	11807.0	10793.6	10369.5
55°	8025.6	8151.9	8922.4	10065.2	11541.5	12606.6	12791.1	12681.1	11758.4	10839.0	10518.5
57.5°	4247.5	4150.4	4577.7	5710.8	7565.9	9450.1	9990.7	10871.3	11217.7	10894.0	10793.6
60°	925.9	987.4	1314.4	1770.9	2952.5	4445.0	4972.7	6481.4	8274.9	9071.3	9647.6
62.5°	398.2	391.7	407.9	463.0	676.6	1126.6	1375.9	2246.8	3545.0	4869.1	5765.9
65°	327.0	330.2	343.2	343.2	320.5	323.7	339.9	514.8	828.8	1162.2	1560.4
67.5°	246.0	249.3	271.9	278.4	262.2	233.1	229.9	194.2	204.0	255.8	265.5
70°	155.4	155.4	168.3	174.8	174.8	161.9	158.6	139.2	136.0	155.4	174.8
72.5°	84.2	84.2	90.6	93.9	90.6	87.4	87.4	84.2	80.9	93.9	119.8
75°	35.6	35.6	38.8	38.8	35.6	35.6	35.6	35.6	35.6	42.1	64.7
77.5°	6.5	9.7	12.9	9.7	6.5	6.5	6.5	9.7	9.7	12.9	19.4
80°	3.2	3.2	6.5	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



REPORT NUMBER: P643306

CATALOG NUMBER: GWS-SA6E-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4
2.5°	4234.6	4199.0	4211.9	4218.4	4208.7	4202.2	4166.6	4156.9	4140.7	4114.8	4108.3
5°	4377.0	4347.9	4344.6	4325.2	4279.9	4224.9	4156.9	4127.7	4095.4	4063.0	4056.5
7.5°	4616.6	4581.0	4558.3	4493.6	4390.0	4302.6	4189.3	4127.7	4085.7	4043.6	4033.9
10°	4924.1	4882.1	4817.3	4697.5	4558.3	4432.1	4299.3	4218.4	4153.6	4095.4	4092.1
12.5°	5251.1	5205.8	5089.3	4937.1	4768.8	4652.2	4483.9	4370.5	4273.4	4186.0	4176.3
15°	5594.3	5539.3	5380.6	5199.3	5043.9	4924.1	4739.6	4558.3	4409.4	4283.1	4270.2
17.5°	5856.5	5788.5	5600.8	5464.8	5338.5	5215.5	5008.3	4768.8	4571.3	4419.1	4383.5
20°	6021.6	5956.9	5778.8	5704.4	5646.1	5558.7	5312.6	5063.4	4843.2	4655.4	4623.1
22.5°	6180.3	6102.6	5947.2	5947.2	5992.5	5956.9	5691.4	5406.5	5147.5	4930.6	4882.1
25°	6358.3	6296.8	6186.8	6277.4	6390.7	6387.5	6115.5	5759.4	5461.6	5218.8	5170.2
27.5°	6617.3	6555.8	6517.0	6688.6	6831.0	6821.3	6523.4	6138.2	5824.2	5584.6	5539.3
30°	7073.8	7015.5	6973.5	7180.6	7361.9	7294.0	6967.0	6594.7	6277.4	6005.5	5973.1
32.5°	7682.5	7620.9	7565.9	7773.1	7935.0	7847.6	7536.8	7187.1	6821.3	6555.8	6491.1
35°	8482.1	8352.6	8297.6	8543.6	8611.6	8514.5	8216.6	7909.1	7520.6	7216.3	7174.2
37.5°	9307.6	9155.5	9116.6	9330.3	9440.4	9404.8	9055.1	8734.6	8313.8	7977.1	7928.5
40°	10013.4	9874.2	9806.2	10139.7	10389.0	10411.6	10097.6	9705.9	9210.5	8860.9	8773.5
42.5°	10427.8	10308.0	10291.8	10809.8	11217.7	11509.1	11133.6	10728.9	10207.7	9812.7	9741.5
45°	10521.7	10444.0	10580.0	11259.8	11894.4	12425.3	12104.8	11677.5	11114.1	10696.5	10628.5
47.5°	10512.0	10486.1	10728.9	11492.9	12295.8	12949.8	12791.1	12308.8	11764.9	11327.8	11263.1
50°	10372.8	10376.0	10780.7	11609.5	12457.7	13092.2	12933.6	12486.8	12001.2	11570.6	11518.8
52.5°	10317.7	10298.3	10683.6	11573.9	12622.8	13027.5	12671.3	12169.5	11628.9	11098.0	11020.3
55°	10512.0	10463.4	10696.5	11544.7	12642.2	12991.9	12053.0	10965.2	9858.0	9229.9	9178.1
57.5°	10803.3	10751.5	10861.6	11331.0	11628.9	10803.3	8870.6	7115.9	5976.3	5493.9	5283.5
60°	9647.6	9612.0	9527.8	8961.2	7685.7	5798.3	3949.7	2518.7	1809.7	1463.3	1463.3
62.5°	5986.0	5937.5	5481.0	4072.7	2959.0	1712.6	942.1	589.2	446.8	417.6	414.4
65°	1680.2	1670.5	1382.4	977.7	621.6	385.3	339.9	346.4	339.9	330.2	327.0
67.5°	252.5	278.4	278.4	226.6	216.9	242.8	284.9	304.3	288.1	271.9	265.5
70°	161.9	174.8	168.3	145.7	155.4	181.3	204.0	207.2	197.5	181.3	178.1
72.5°	113.3	126.3	103.6	93.9	97.1	106.8	116.5	116.5	113.3	106.8	100.4
75°	68.0	68.0	48.6	45.3	45.3	48.6	48.6	55.0	55.0	51.8	48.6
77.5°	22.7	25.9	16.2	12.9	12.9	12.9	16.2	19.4	19.4	16.2	12.9
80°	3.2	6.5	3.2	3.2	3.2	3.2	3.2	3.2	6.5	6.5	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)