

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: P642156

Luminaire Tested: GWS-SA6C-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22200.5 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

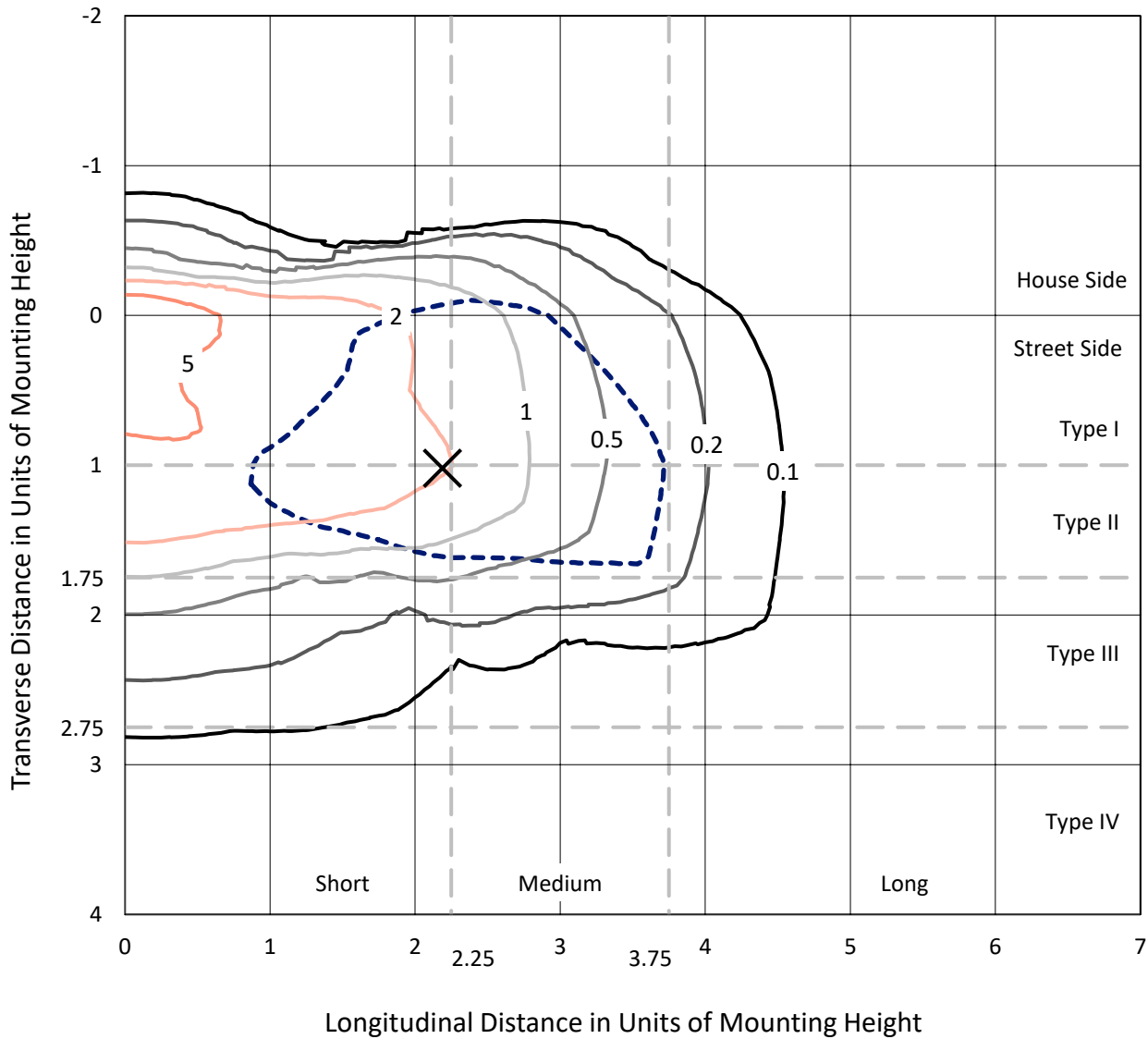
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

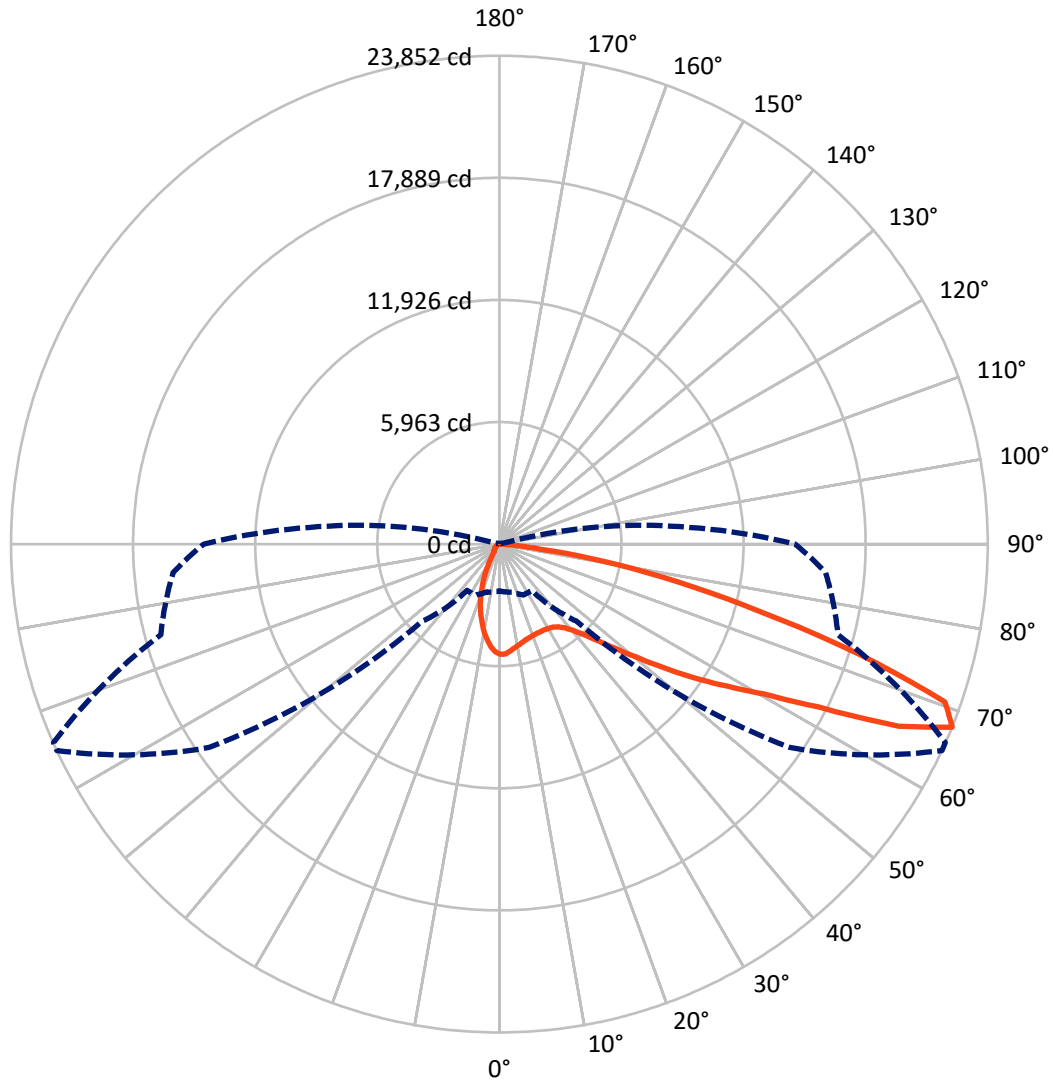
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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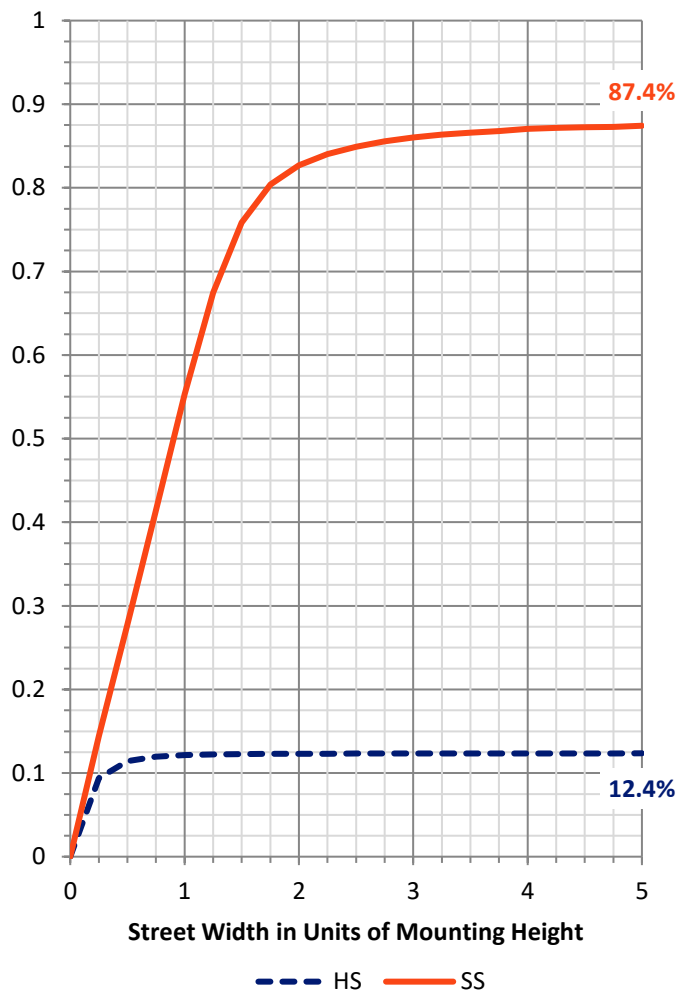
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2772.2	0.0	2772.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	19428.3	0.0	19428.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	22200.5	0.0	22200.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.2	2.0
10°-20°	1005.3	4.5
20°-30°	1436.5	6.5
30°-40°	2089.9	9.4
40°-50°	3273.1	14.7
50°-60°	5106.2	23.0
60°-70°	5608.9	25.3
70°-80°	2985.0	13.4
80°-90°	248.5	1.1
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°	22200.5	100.0
0°-180°	22200.5	100.0

Coefficient of Utilization



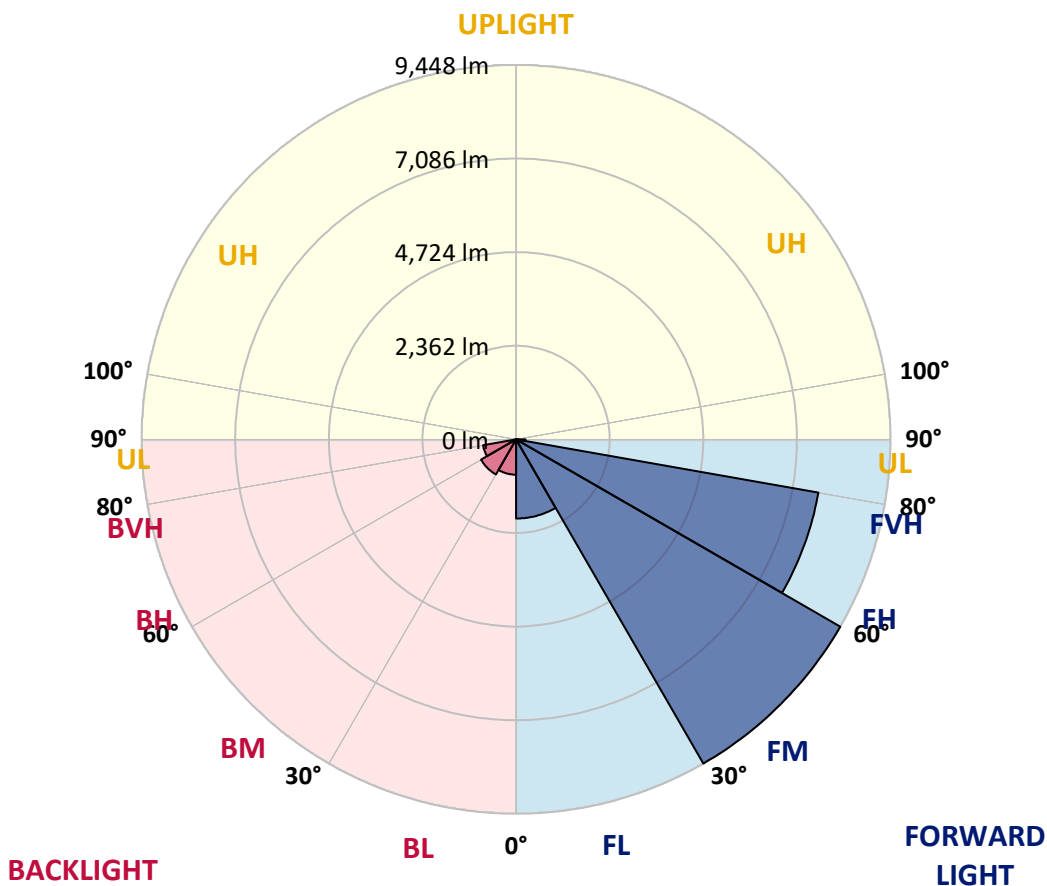
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1997.9	9.0			
FM (30°-60°)	9448.1	42.6			
FH (60°-80°)	7747.1	34.9			G4/12000
FVH (80°-90°)	235.2	1.1			G3/500
BL (0°-30°)	891.0	4.0	B2/1000		
BM (30°-60°)	1021.1	4.6	B2/2500		
BH (60°-80°)	846.7	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3
2.5°	5197.6	5213.7	5191.6	5245.8	5255.8	5316.1	5350.2	5374.3	5372.3	5402.4	5402.4
5°	4892.5	4908.5	4896.5	4954.7	5000.9	5095.2	5173.5	5263.9	5267.9	5360.2	5394.4
7.5°	4633.5	4635.5	4635.5	4707.8	4768.0	4884.4	5000.9	5139.4	5155.5	5298.0	5388.3
10°	4420.7	4426.7	4428.7	4511.0	4577.3	4717.8	4866.4	5033.0	5051.1	5243.8	5384.3
12.5°	4274.1	4276.1	4284.2	4370.5	4442.8	4589.3	4739.9	4930.6	4954.7	5181.6	5366.3
15°	4203.9	4199.9	4203.9	4276.1	4348.4	4488.9	4643.5	4848.3	4874.4	5129.4	5368.3
17.5°	4199.9	4193.8	4189.8	4244.0	4290.2	4414.7	4571.3	4794.1	4822.2	5105.3	5390.3
20°	4258.1	4254.1	4234.0	4258.1	4268.1	4370.5	4525.1	4751.9	4780.0	5101.3	5438.5
22.5°	4410.6	4400.6	4370.5	4348.4	4294.2	4354.4	4493.0	4721.8	4753.9	5111.3	5500.8
25°	4637.5	4633.5	4595.3	4541.1	4402.6	4378.5	4495.0	4721.8	4751.9	5123.3	5567.0
27.5°	4978.8	4954.7	4906.5	4812.2	4613.4	4472.9	4535.1	4733.9	4764.0	5139.4	5621.2
30°	5326.1	5324.1	5308.0	5211.7	4916.6	4653.6	4619.4	4766.0	4794.1	5153.4	5671.4
32.5°	5685.5	5691.5	5731.6	5657.4	5334.1	4922.6	4772.0	4832.2	4852.3	5181.6	5715.6
35°	6026.7	6038.8	6145.2	6171.3	5842.0	5330.1	5020.9	4964.7	4966.7	5243.8	5773.8
37.5°	6354.0	6394.1	6564.8	6691.3	6474.4	5824.0	5380.3	5189.6	5173.5	5368.3	5862.1
40°	6725.4	6801.7	7016.5	7231.3	7163.0	6476.4	5870.2	5534.9	5500.8	5597.1	6020.7
42.5°	7136.9	7219.2	7504.3	7805.5	7837.6	7265.4	6482.5	6038.8	5980.6	5982.6	6317.8
45°	7578.6	7689.0	8020.3	8453.9	8648.6	8144.7	7237.3	6719.4	6661.1	6574.8	6795.6
47.5°	8158.8	8255.2	8574.4	9074.2	9447.7	9088.3	8227.0	7594.7	7488.3	7361.8	7538.5
50°	8658.7	8743.0	9018.0	9644.4	10421.3	10304.9	9349.3	8688.8	8586.4	8371.6	8518.1
52.5°	8769.1	8835.3	9088.3	9793.0	11166.1	11840.7	10724.5	10011.8	9939.5	9542.0	9598.2
55°	8273.2	8373.6	8600.5	9383.4	11360.9	13342.4	12509.2	11503.4	11352.8	10718.5	10818.8
57.5°	7020.5	7199.2	7412.0	8429.8	10832.9	14141.4	15002.6	13083.4	12946.9	11850.7	11852.7
60°	5145.4	5290.0	5432.5	6364.0	9580.2	14087.2	17265.2	14858.1	14609.1	12776.2	12742.1
62.5°	3742.1	3816.4	3814.4	4145.6	6578.8	13159.7	18453.6	17532.2	16952.0	13766.0	13571.2
65°	2943.1	2941.1	3027.4	3135.8	3673.9	10158.3	18600.2	21436.9	20810.5	15093.0	14687.4
67.5°	2290.6	2334.8	2421.1	2740.3	2760.4	5316.1	17311.3	23852.0	23840.0	17118.6	15994.4
70°	1766.7	1826.9	1949.4	2415.1	2549.6	2975.2	12952.9	23087.1	23281.9	18024.0	15068.9
72.5°	1134.3	1130.3	1310.9	1951.4	2449.2	2479.4	7163.0	18339.2	18560.0	16325.6	12184.0
75°	634.4	638.4	740.8	1194.5	2282.6	2332.8	3547.4	13077.4	13252.0	12728.0	9361.3
77.5°	248.9	257.0	347.3	628.4	1505.7	2083.9	2108.0	8917.7	8943.8	7887.8	5741.7
80°	100.4	106.4	176.7	389.5	917.5	1403.3	1505.7	5253.8	5147.4	3053.5	1670.3
82.5°	30.1	32.1	70.3	220.8	479.8	997.8	1015.8	2015.6	1903.2	656.5	425.6
85°	2.0	2.0	16.1	68.3	170.6	250.9	676.6	656.5	582.2	164.6	188.7
87.5°	0.0	0.0	2.0	2.0	4.0	8.0	72.3	120.5	122.5	30.1	84.3
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°	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3	5384.3
2.5°	5402.4	5330.1	5324.1	5267.9	5211.7	5141.4	5059.1	4998.9	4956.7	4882.4	4868.4
5°	5394.4	5298.0	5207.7	5047.0	4868.4	4675.6	4507.0	4350.4	4252.0	4185.8	4157.7
7.5°	5378.3	5255.8	5047.0	4743.9	4444.8	4107.5	3844.5	3603.6	3439.0	3342.6	3300.5
10°	5366.3	5201.6	4862.4	4402.6	3938.9	3473.1	3073.6	2716.3	2517.5	2360.9	2334.8
12.5°	5342.2	5123.3	4625.5	4003.1	3404.9	2786.5	2276.6	1838.9	1535.8	1399.3	1351.1
15°	5318.1	5041.0	4388.6	3581.5	2822.7	2059.8	1441.4	1019.8	811.1	746.8	742.8
17.5°	5314.1	4966.7	4131.6	3182.0	2212.3	1349.1	821.1	660.5	616.3	600.3	600.3
20°	5326.1	4904.5	3878.6	2722.3	1612.1	821.1	612.3	572.2	546.1	532.0	532.0
22.5°	5338.1	4840.3	3635.7	2258.5	1070.0	600.3	540.0	505.9	475.8	459.7	451.7
25°	5346.2	4770.0	3366.7	1792.8	698.6	522.0	473.8	429.6	393.5	373.4	373.4
27.5°	5344.2	4685.7	3095.7	1337.0	542.0	463.8	405.5	359.4	323.2	301.1	303.1
30°	5328.1	4593.3	2814.6	933.5	473.8	405.5	347.3	299.1	263.0	244.9	242.9
32.5°	5316.1	4495.0	2489.4	656.5	425.6	355.3	295.1	248.9	218.8	204.8	202.8
35°	5302.0	4398.6	2180.2	499.9	383.4	307.2	248.9	210.8	186.7	174.7	174.7
37.5°	5306.0	4298.2	1845.0	429.6	341.3	267.0	212.8	180.7	160.6	148.6	146.6
40°	5368.3	4238.0	1515.7	389.5	303.1	230.9	184.7	156.6	136.5	124.5	122.5
42.5°	5522.8	4240.0	1200.5	359.4	269.0	196.7	160.6	134.5	116.4	102.4	100.4
45°	5832.0	4324.3	921.5	327.2	232.9	170.6	138.5	114.4	96.4	84.3	82.3
47.5°	6337.9	4575.3	698.6	299.1	202.8	148.6	118.4	96.4	80.3	70.3	68.3
50°	7143.0	5029.0	550.1	265.0	170.6	128.5	100.4	80.3	66.3	56.2	54.2
52.5°	8110.6	5709.5	471.8	234.9	146.6	112.4	86.3	66.3	54.2	46.2	44.2
55°	9222.8	6522.6	435.6	204.8	124.5	96.4	70.3	54.2	44.2	38.1	34.1
57.5°	10242.7	7255.4	433.6	174.7	106.4	82.3	58.2	46.2	38.1	30.1	28.1
60°	11236.4	7867.7	407.5	144.5	92.3	68.3	50.2	38.1	32.1	26.1	24.1
62.5°	12137.8	8365.6	341.3	116.4	78.3	56.2	42.2	34.1	28.1	22.1	22.1
65°	13270.1	9000.0	261.0	94.4	64.2	46.2	36.1	30.1	26.1	20.1	20.1
67.5°	14440.5	9335.2	186.7	78.3	52.2	40.2	32.1	28.1	22.1	18.1	18.1
70°	13079.4	7887.8	134.5	64.2	44.2	34.1	28.1	26.1	22.1	18.1	16.1
72.5°	10214.6	5687.5	100.4	50.2	38.1	32.1	26.1	24.1	20.1	16.1	16.1
75°	7574.6	3316.5	76.3	40.2	30.1	26.1	26.1	24.1	20.1	16.1	14.1
77.5°	4117.5	1156.4	58.2	32.1	24.1	20.1	22.1	22.1	18.1	14.1	12.0
80°	1090.1	317.2	40.2	24.1	20.1	16.1	16.1	20.1	16.1	12.0	12.0
82.5°	317.2	92.3	28.1	20.1	16.1	14.1	14.1	14.1	12.0	10.0	8.0
85°	154.6	34.1	20.1	16.1	14.1	12.0	10.0	10.0	8.0	6.0	6.0
87.5°	68.3	14.1	16.1	14.1	14.1	10.0	8.0	6.0	6.0	4.0	2.0
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)