

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: P639791

Luminaire Tested: GWS-SA5C-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639791
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-SA5C-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19309.1 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

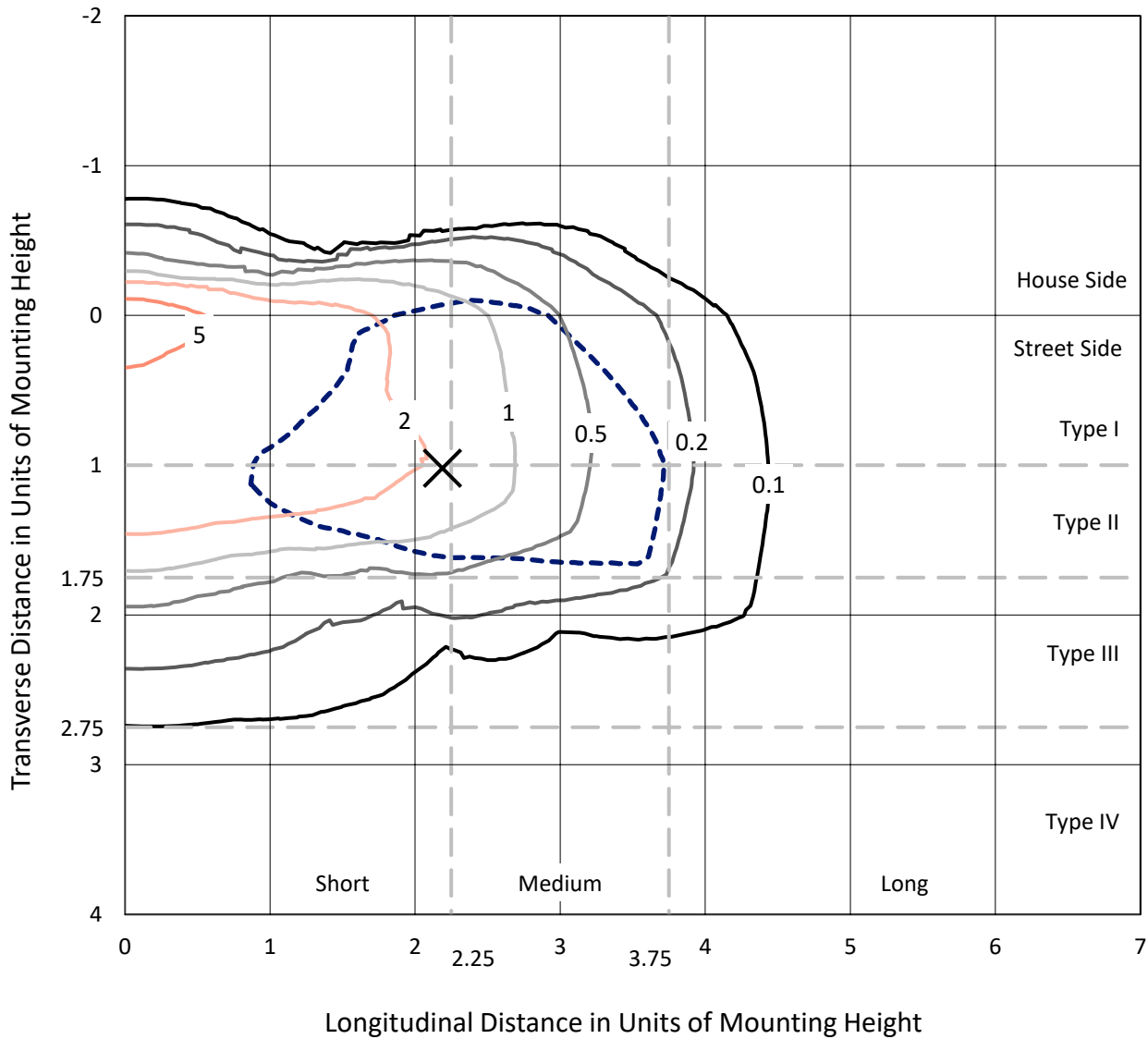
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

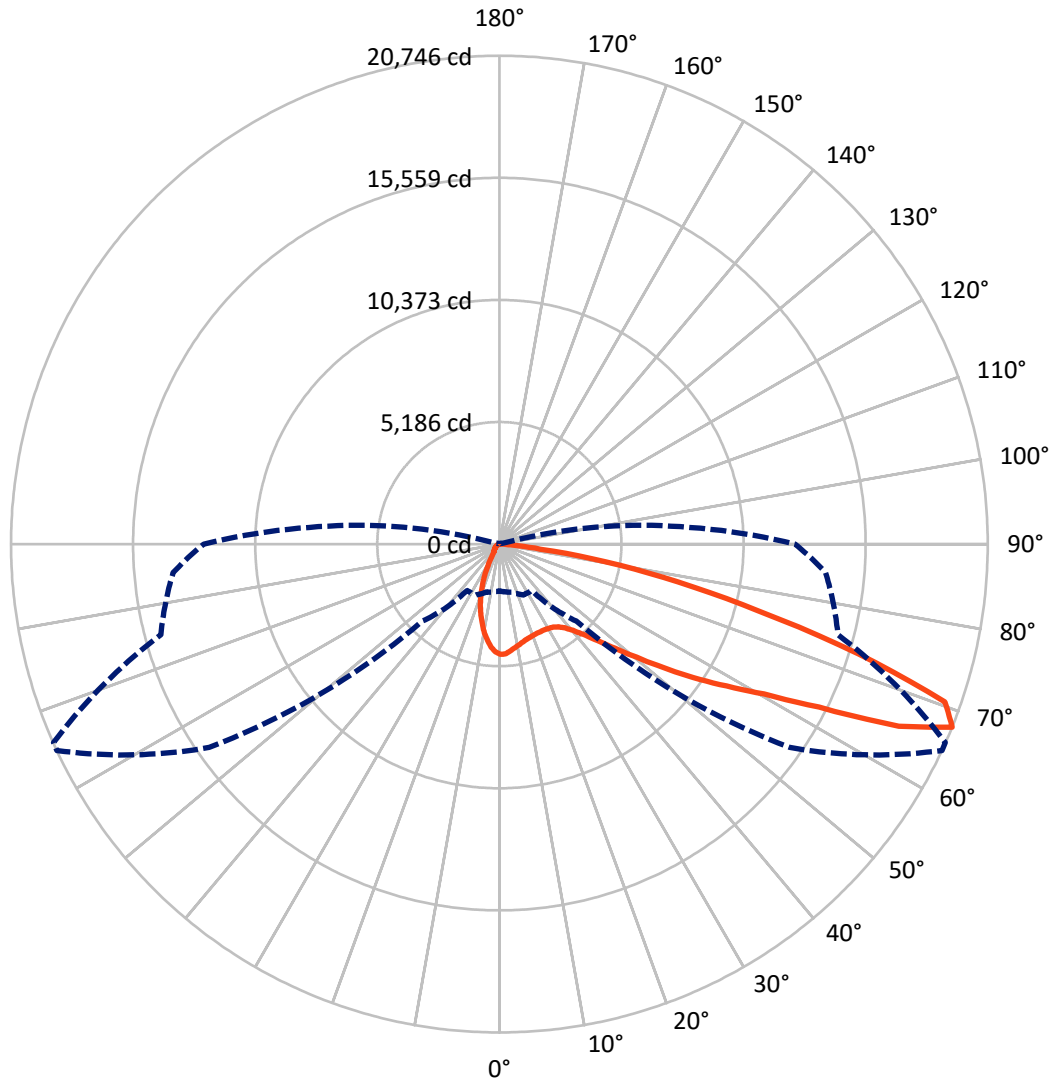
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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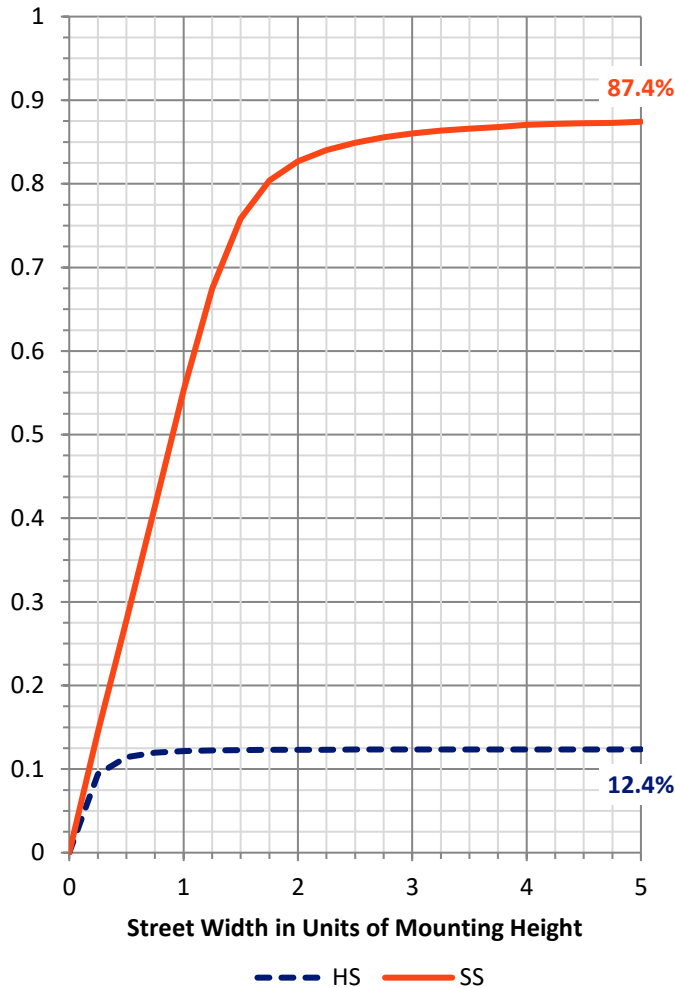
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2411.1	0.0	2411.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	16898.0	0.0	16898.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	19309.1	0.0	19309.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.0	2.0
10°-20°	874.3	4.5
20°-30°	1249.4	6.5
30°-40°	1817.7	9.4
40°-50°	2846.8	14.7
50°-60°	4441.1	23.0
60°-70°	4878.4	25.3
70°-80°	2596.2	13.4
80°-90°	216.1	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°	19309.1	100.0
0°-180°	19309.1	100.0

Coefficient of Utilization



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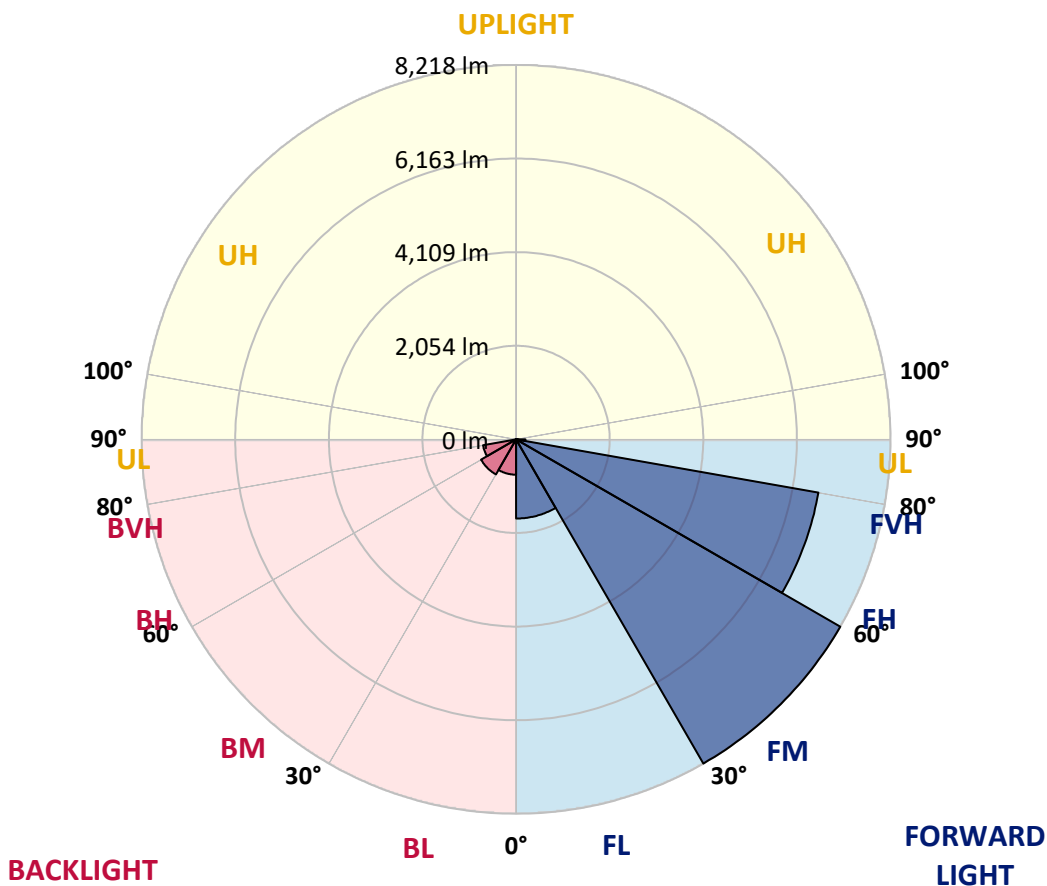
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1737.7	9.0			
FM (30°-60°)	8217.5	42.6			
FH (60°-80°)	6738.1	34.9			G3/7500
FVH (80°-90°)	204.6	1.1			G2/225
BL (0°-30°)	775.0	4.0	B2/1000		
BM (30°-60°)	888.1	4.6	B1/1000		
BH (60°-80°)	736.5	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.6	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1
2.5°	4520.7	4534.6	4515.4	4562.6	4571.3	4623.7	4653.4	4674.3	4672.6	4698.8	4698.8
5°	4255.3	4269.2	4258.8	4309.4	4349.6	4431.6	4499.7	4578.3	4581.8	4662.1	4691.8
7.5°	4030.0	4031.8	4031.8	4094.6	4147.0	4248.3	4349.6	4470.0	4484.0	4608.0	4686.6
10°	3844.9	3850.2	3851.9	3923.5	3981.1	4103.4	4232.6	4377.5	4393.2	4560.8	4683.1
12.5°	3717.5	3719.2	3726.2	3801.3	3864.1	3991.6	4122.6	4288.4	4309.4	4506.7	4667.4
15°	3656.4	3652.9	3656.4	3719.2	3782.1	3904.3	4038.8	4216.9	4239.6	4461.3	4669.1
17.5°	3652.9	3647.6	3644.1	3691.3	3731.4	3839.7	3975.9	4169.7	4194.2	4440.4	4688.3
20°	3703.5	3700.0	3682.5	3703.5	3712.2	3801.3	3935.7	4133.0	4157.5	4436.9	4730.2
22.5°	3836.2	3827.5	3801.3	3782.1	3734.9	3787.3	3907.8	4106.8	4134.8	4445.6	4784.3
25°	4033.5	4030.0	3996.8	3949.7	3829.2	3808.3	3909.5	4106.8	4133.0	4456.1	4842.0
27.5°	4330.4	4309.4	4267.5	4185.4	4012.6	3890.3	3944.5	4117.3	4143.5	4470.0	4889.1
30°	4632.4	4630.7	4616.7	4532.9	4276.2	4047.5	4017.8	4145.3	4169.7	4482.3	4932.8
32.5°	4945.0	4950.2	4985.1	4920.5	4639.4	4281.5	4150.5	4202.9	4220.3	4506.7	4971.2
35°	5241.8	5252.3	5344.8	5367.5	5081.2	4635.9	4367.0	4318.1	4319.9	4560.8	5021.8
37.5°	5526.4	5561.4	5709.8	5819.8	5631.2	5065.5	4679.6	4513.7	4499.7	4669.1	5098.6
40°	5849.5	5915.8	6102.7	6289.5	6230.1	5632.9	5105.6	4814.0	4784.3	4868.2	5236.6
42.5°	6207.4	6279.0	6527.0	6788.9	6816.8	6319.2	5638.2	5252.3	5201.7	5203.4	5495.0
45°	6591.6	6687.6	6975.7	7352.9	7522.2	7084.0	6294.7	5844.2	5793.6	5718.5	5910.6
47.5°	7096.2	7180.0	7457.6	7892.4	8217.2	7904.6	7155.6	6605.5	6513.0	6403.0	6556.6
50°	7531.0	7604.3	7843.5	8388.3	9064.1	8962.8	8131.6	7557.2	7468.1	7281.3	7408.7
52.5°	7627.0	7684.6	7904.6	8517.5	9711.9	10298.6	9327.7	8707.8	8645.0	8299.3	8348.1
55°	7195.7	7283.0	7480.3	8161.3	9881.2	11604.6	10880.0	10005.2	9874.2	9322.5	9409.8
57.5°	6106.1	6261.5	6446.6	7331.9	9422.0	12299.6	13048.7	11379.4	11260.7	10307.3	10309.0
60°	4475.3	4601.0	4725.0	5535.2	8332.4	12252.4	15016.5	12923.0	12706.4	11112.2	11082.6
62.5°	3254.7	3319.4	3317.6	3605.7	5722.0	11445.7	16050.2	15248.8	14744.1	11973.1	11803.7
65°	2559.8	2558.1	2633.1	2727.4	3195.4	8835.3	16177.7	18645.0	18100.2	13127.2	12774.5
67.5°	1992.3	2030.7	2105.8	2383.4	2400.9	4623.7	15056.7	20745.5	20735.0	14889.1	13911.3
70°	1536.6	1589.0	1695.5	2100.6	2217.6	2587.7	11265.9	20080.3	20249.6	15676.6	13106.3
72.5°	986.6	983.1	1140.2	1697.2	2130.3	2156.4	6230.1	15950.7	16142.8	14199.4	10597.1
75°	551.8	555.3	644.3	1038.9	1985.3	2029.0	3085.4	11374.2	11526.1	11070.3	8142.1
77.5°	216.5	223.5	302.1	546.5	1309.6	1812.5	1833.4	7756.2	7778.9	6860.5	4993.9
80°	87.3	92.5	153.7	338.7	798.0	1220.5	1309.6	4569.6	4477.0	2655.8	1452.8
82.5°	26.2	27.9	61.1	192.1	417.3	867.8	883.5	1753.1	1655.3	571.0	370.2
85°	1.7	1.7	14.0	59.4	148.4	218.3	588.4	571.0	506.4	143.2	164.1
87.5°	0.0	0.0	1.7	1.7	3.5	7.0	62.9	104.8	106.5	26.2	73.3
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°	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1	4683.1
2.5°	4698.8	4635.9	4630.7	4581.8	4532.9	4471.8	4400.2	4347.8	4311.1	4246.5	4234.3
5°	4691.8	4608.0	4529.4	4389.7	4234.3	4066.7	3920.0	3783.8	3698.3	3640.6	3616.2
7.5°	4677.8	4571.3	4389.7	4126.1	3865.9	3572.5	3343.8	3134.3	2991.1	2907.3	2870.6
10°	4667.4	4524.2	4229.1	3829.2	3425.9	3020.8	2673.3	2362.5	2189.6	2053.4	2030.7
12.5°	4646.4	4456.1	4023.0	3481.7	2961.4	2423.6	1980.1	1599.4	1335.8	1217.0	1175.1
15°	4625.4	4384.5	3817.0	3115.1	2455.0	1791.5	1253.7	887.0	705.4	649.6	646.1
17.5°	4622.0	4319.9	3593.5	2767.6	1924.2	1173.4	714.2	574.5	536.1	522.1	522.1
20°	4632.4	4265.7	3373.5	2367.7	1402.1	714.2	532.6	497.6	474.9	462.7	462.7
22.5°	4642.9	4209.9	3162.2	1964.4	930.7	522.1	469.7	440.0	413.8	399.9	392.9
25°	4649.9	4148.8	2928.2	1559.3	607.6	454.0	412.1	373.7	342.2	324.8	324.8
27.5°	4648.1	4075.4	2692.5	1162.9	471.4	403.4	352.7	312.6	281.1	261.9	263.7
30°	4634.2	3995.1	2448.0	811.9	412.1	352.7	302.1	260.2	228.7	213.0	211.3
32.5°	4623.7	3909.5	2165.2	571.0	370.2	309.1	256.7	216.5	190.3	178.1	176.4
35°	4611.5	3825.7	1896.3	434.8	333.5	267.2	216.5	183.3	162.4	151.9	151.9
37.5°	4615.0	3738.4	1604.7	373.7	296.8	232.2	185.1	157.1	139.7	129.2	127.5
40°	4669.1	3686.0	1318.3	338.7	263.7	200.8	160.6	136.2	118.7	108.3	106.5
42.5°	4803.5	3687.8	1044.2	312.6	234.0	171.1	139.7	117.0	101.3	89.1	87.3
45°	5072.4	3761.1	801.5	284.6	202.5	148.4	120.5	99.5	83.8	73.3	71.6
47.5°	5512.5	3979.4	607.6	260.2	176.4	129.2	103.0	83.8	69.8	61.1	59.4
50°	6212.7	4374.0	478.4	230.5	148.4	111.8	87.3	69.8	57.6	48.9	47.1
52.5°	7054.3	4965.9	410.3	204.3	127.5	97.8	75.1	57.6	47.1	40.2	38.4
55°	8021.6	5673.1	378.9	178.1	108.3	83.8	61.1	47.1	38.4	33.2	29.7
57.5°	8908.6	6310.4	377.2	151.9	92.5	71.6	50.6	40.2	33.2	26.2	24.4
60°	9773.0	6843.0	354.5	125.7	80.3	59.4	43.7	33.2	27.9	22.7	21.0
62.5°	10557.0	7276.0	296.8	101.3	68.1	48.9	36.7	29.7	24.4	19.2	19.2
65°	11541.8	7827.8	227.0	82.1	55.9	40.2	31.4	26.2	22.7	17.5	17.5
67.5°	12559.8	8119.4	162.4	68.1	45.4	34.9	27.9	24.4	19.2	15.7	15.7
70°	11375.9	6860.5	117.0	55.9	38.4	29.7	24.4	22.7	19.2	15.7	14.0
72.5°	8884.2	4946.7	87.3	43.7	33.2	27.9	22.7	21.0	17.5	14.0	14.0
75°	6588.1	2884.6	66.4	34.9	26.2	22.7	22.7	21.0	17.5	14.0	12.2
77.5°	3581.3	1005.8	50.6	27.9	21.0	17.5	19.2	19.2	15.7	12.2	10.5
80°	948.1	275.9	34.9	21.0	17.5	14.0	14.0	17.5	14.0	10.5	10.5
82.5°	275.9	80.3	24.4	17.5	14.0	12.2	12.2	12.2	10.5	8.7	7.0
85°	134.5	29.7	17.5	14.0	12.2	10.5	8.7	8.7	7.0	5.2	5.2
87.5°	59.4	12.2	14.0	12.2	12.2	8.7	7.0	5.2	5.2	3.5	1.7
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)