

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: P639850

Luminaire Tested: GWS-SA5C-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19457.8 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

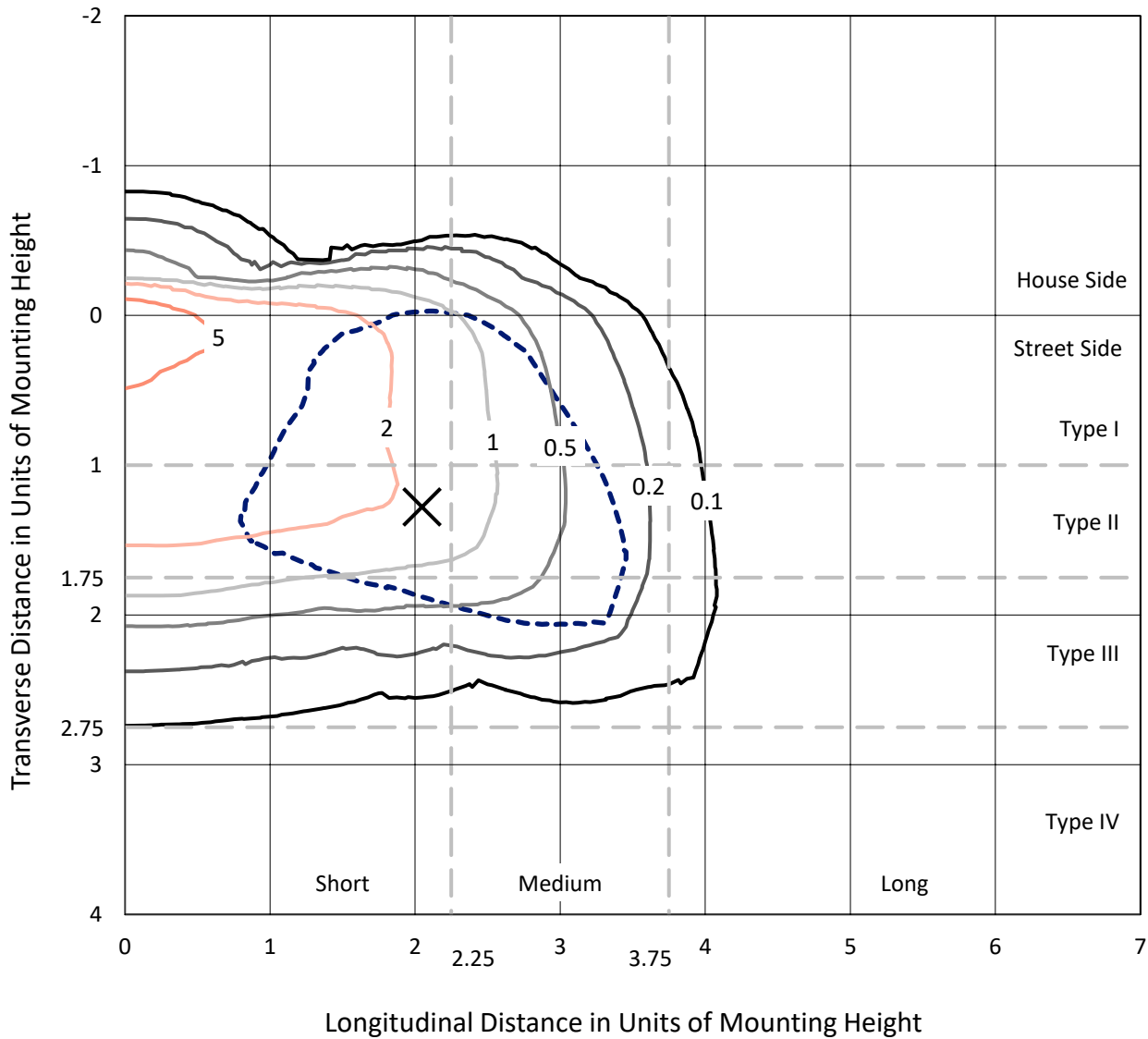
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

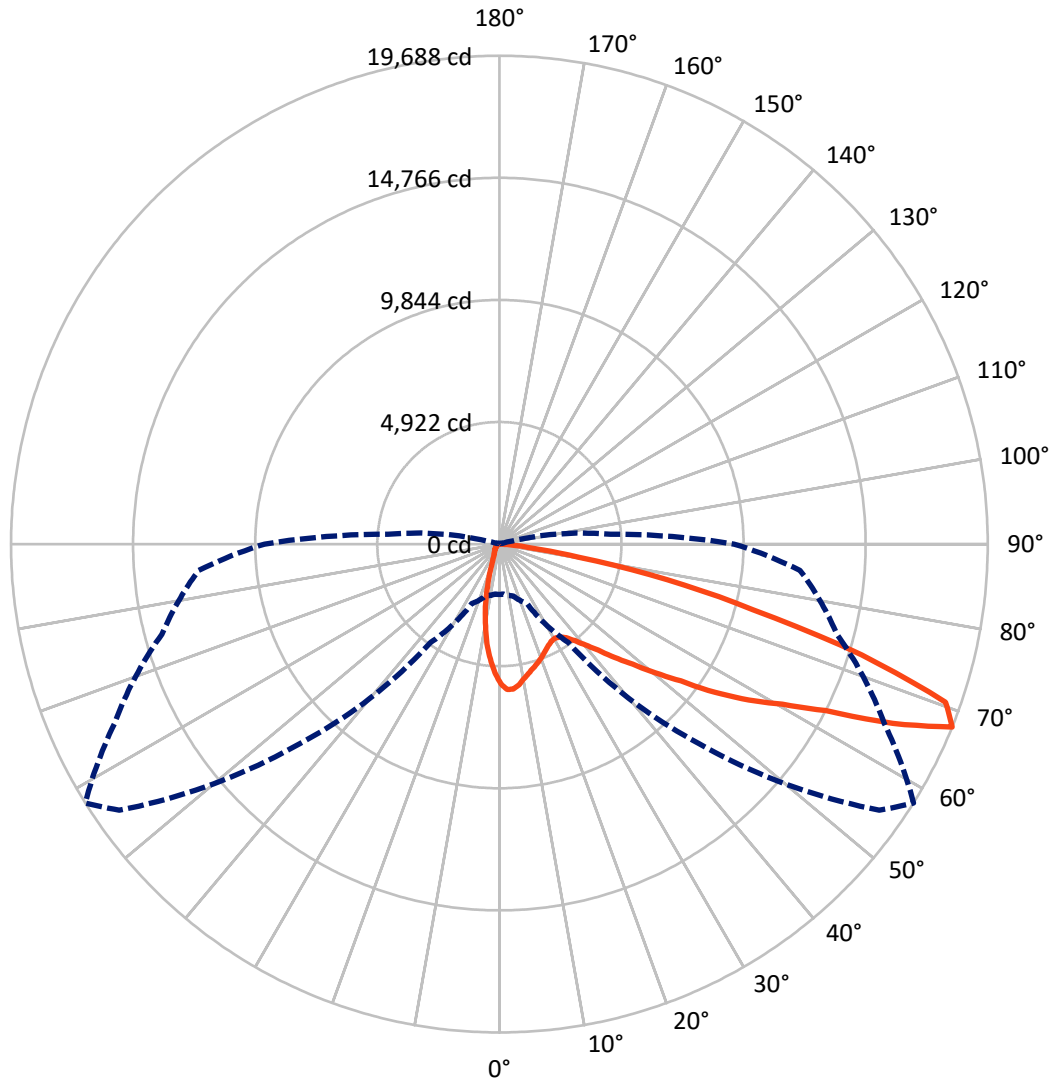
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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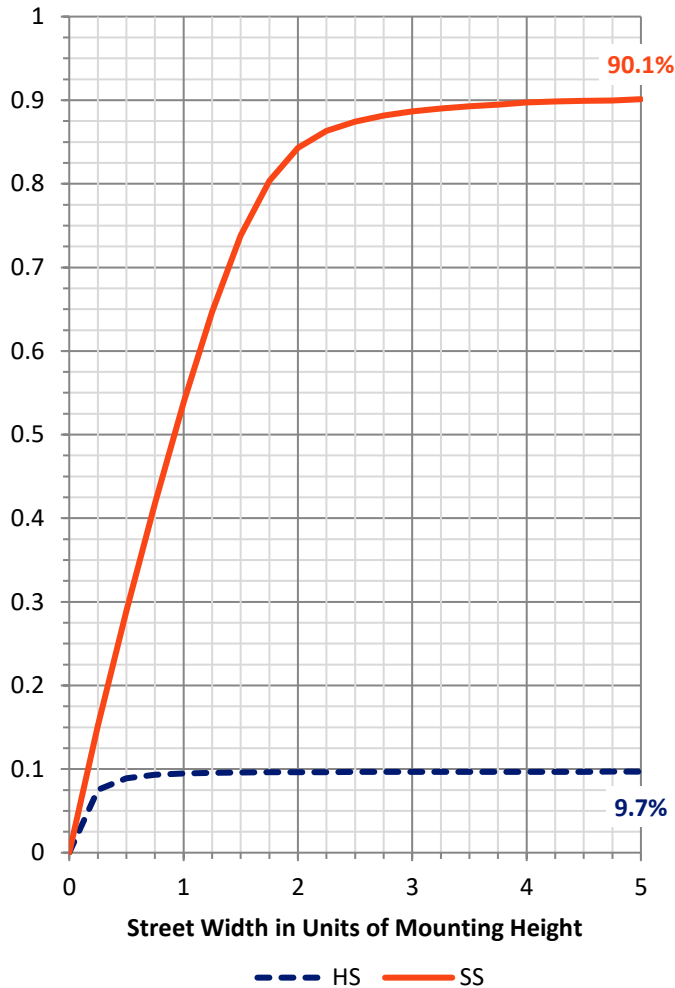
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1900.9	0.0	1900.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17556.9	0.0	17556.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	19457.8	0.0	19457.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.1	2.3
10°-20°	949.4	4.9
20°-30°	1280.3	6.6
30°-40°	1799.1	9.2
40°-50°	2778.5	14.3
50°-60°	4443.2	22.8
60°-70°	5261.1	27.0
70°-80°	2327.4	12.0
80°-90°	162.7	0.8
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°	19457.8	100.0
0°-180°	19457.8	100.0

Coefficient of Utilization

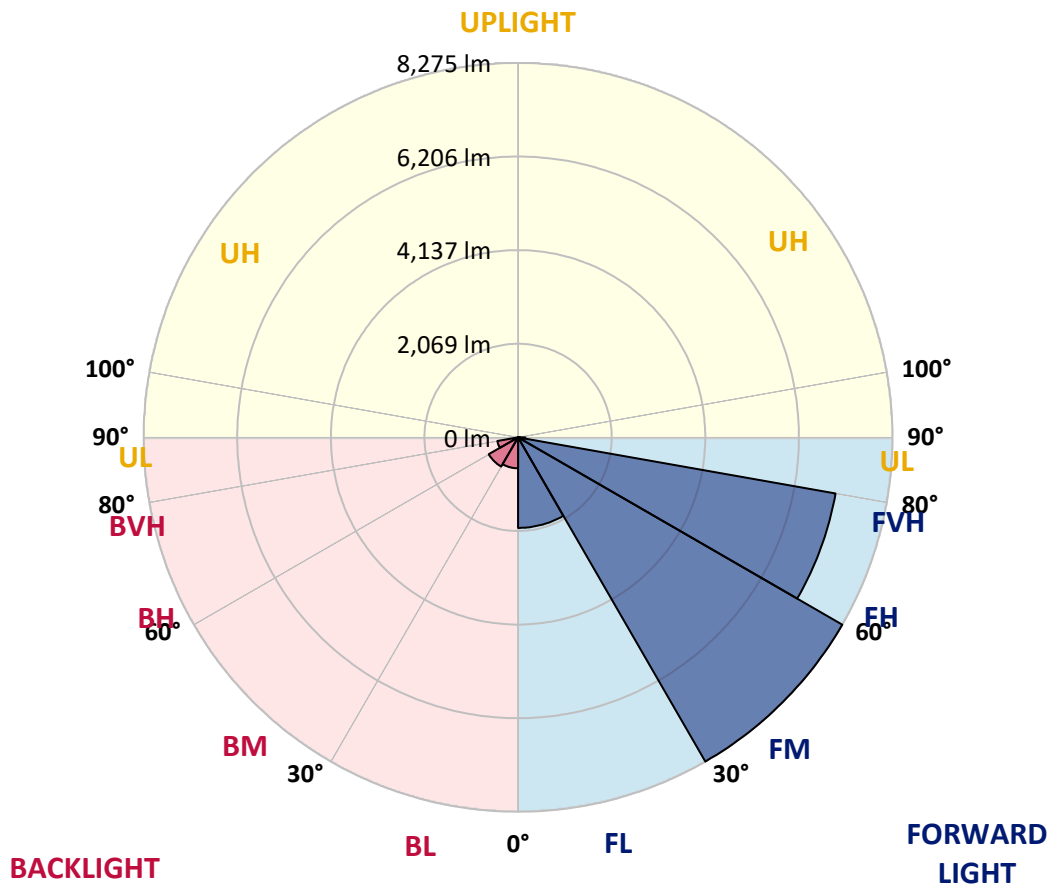


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2001.7	10.3			
FM (30°-60°)	8275.0	42.5			
FH (60°-80°)	7124.4	36.6			G3/7500
FVH (80°-90°)	155.8	0.8			G2/225
BL (0°-30°)	684.1	3.5	B2/1000		
BM (30°-60°)	745.9	3.8	B1/1000		
BH (60°-80°)	464.1	2.4	B1/500		G1/500
BVH (80°-90°)	6.9	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-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5
2.5°	5903.6	5913.9	5927.7	5944.9	5941.5	5926.0	5907.0	5864.0	5836.4	5750.3	5645.3
5°	5714.2	5712.4	5746.9	5779.6	5838.1	5869.1	5912.2	5872.6	5858.8	5755.5	5585.0
7.5°	5343.9	5362.8	5402.4	5454.1	5538.5	5629.8	5733.1	5721.0	5762.4	5693.5	5481.7
10°	4980.5	4970.2	5032.2	5109.7	5238.8	5355.9	5505.8	5504.0	5612.5	5605.7	5364.6
12.5°	4661.9	4660.2	4708.4	4796.2	4947.8	5111.4	5314.6	5319.8	5454.1	5509.2	5264.7
15°	4393.2	4396.7	4443.2	4534.5	4691.2	4891.0	5126.9	5169.9	5321.5	5433.4	5166.5
17.5°	4202.1	4203.8	4231.4	4310.6	4463.9	4677.4	4961.6	5020.1	5214.7	5376.6	5087.3
20°	4114.3	4107.4	4112.5	4152.1	4271.0	4465.6	4792.8	4868.6	5116.6	5337.0	5015.0
22.5°	4126.3	4116.0	4091.9	4086.7	4140.1	4288.2	4613.7	4706.7	5009.8	5312.9	4949.5
25°	4233.1	4210.7	4176.3	4124.6	4103.9	4178.0	4457.0	4553.4	4909.9	5314.6	4899.6
27.5°	4396.7	4372.6	4329.5	4260.6	4179.7	4148.7	4350.2	4441.5	4839.3	5354.2	4875.5
30°	4605.1	4586.1	4544.8	4462.1	4353.6	4226.2	4327.8	4403.6	4804.8	5435.2	4885.8
32.5°	4851.3	4837.6	4803.1	4727.3	4603.4	4408.7	4403.6	4462.1	4832.4	5552.3	4925.4
35°	5089.0	5094.2	5095.9	5054.6	4922.0	4686.0	4612.0	4632.6	4946.1	5727.9	5015.0
37.5°	5345.6	5333.6	5395.5	5424.8	5297.4	5045.9	4934.0	4935.7	5163.1	5988.0	5183.7
40°	5540.2	5543.7	5678.0	5798.5	5745.1	5502.3	5342.2	5340.4	5497.2	6344.5	5455.8
42.5°	5722.8	5745.1	5943.2	6149.9	6223.9	6008.6	5893.3	5850.2	5965.6	6826.7	5864.0
45°	5917.4	5950.1	6227.4	6521.8	6716.5	6589.0	6497.7	6515.0	6528.7	7388.1	6413.4
47.5°	6144.7	6165.4	6508.1	6923.1	7286.5	7253.8	7258.9	7238.3	7231.4	8095.9	7140.1
50°	6420.2	6468.5	6862.8	7358.8	7854.8	8071.8	8144.1	8152.7	8040.8	8867.4	7892.7
52.5°	7005.8	7064.3	7401.9	7835.9	8474.8	8931.2	9225.6	9167.1	8994.9	9614.9	8717.6
55°	7696.4	7741.1	8066.6	8516.1	9232.5	9873.2	10572.4	10548.3	10126.3	10401.9	9396.1
57.5°	7761.8	7811.8	8316.3	9005.2	10205.6	11037.4	11772.7	11850.2	11232.0	10959.9	10002.3
60°	7026.4	7128.0	7816.9	8743.4	10577.6	12602.8	13088.5	13104.0	12043.1	11526.5	10742.9
62.5°	5631.5	5679.7	6373.7	7582.7	10004.1	13515.6	15098.2	14771.0	13085.0	12403.0	11915.7
65°	2951.8	3148.1	3752.6	5090.7	8113.1	13197.0	17516.2	17426.6	14958.7	13658.5	12828.4
67.5°	2025.3	2023.5	2166.5	2653.9	4837.6	11362.9	18702.7	19687.8	17125.2	14089.0	12167.1
70°	1541.3	1546.5	1673.9	1990.8	2505.8	7563.8	17400.8	19085.1	17528.2	12792.3	9840.5
72.5°	1023.0	1033.3	1245.1	1608.5	2001.2	3707.8	13522.5	15270.5	14748.6	10274.4	6926.6
75°	611.4	620.0	771.5	1169.4	1779.0	2075.2	8591.9	10556.9	10152.2	7081.6	3713.0
77.5°	251.4	258.3	396.1	728.5	1302.0	1611.9	4751.5	6907.6	6081.0	2815.7	1014.4
80°	105.1	108.5	191.2	509.8	938.6	1010.9	2200.9	3246.3	2492.0	606.2	310.0
82.5°	37.9	39.6	70.6	280.7	583.8	761.2	1110.8	1283.0	702.6	198.0	167.1
85°	1.7	1.7	17.2	94.7	222.2	215.3	635.5	614.8	232.5	82.7	99.9
87.5°	0.0	0.0	1.7	1.7	3.4	8.6	60.3	106.8	49.9	20.7	43.1
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°	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5	5612.5
2.5°	5576.4	5485.1	5385.2	5292.2	5144.1	5056.3	4947.8	4899.6	4830.7	4813.5	4823.8
5°	5462.7	5306.0	5066.6	4849.6	4568.9	4343.3	4116.0	4019.5	3895.5	3812.9	3778.4
7.5°	5302.6	5097.6	4723.9	4329.5	3943.8	3532.2	3218.7	3012.1	2824.4	2721.0	2700.4
10°	5140.7	4873.7	4338.1	3773.3	3175.7	2683.1	2259.5	1946.0	1691.2	1575.8	1486.2
12.5°	4973.6	4641.2	3945.5	3208.4	2514.4	1842.7	1319.2	1014.4	831.8	759.5	771.5
15°	4820.3	4417.4	3556.3	2643.5	1770.4	1112.5	728.5	614.8	571.8	558.0	556.3
17.5°	4674.0	4205.5	3168.8	2094.2	1167.6	682.0	558.0	530.4	518.4	511.5	511.5
20°	4541.4	4002.3	2789.9	1577.5	754.3	540.8	504.6	490.8	480.5	475.3	475.3
22.5°	4417.4	3806.0	2419.6	1116.0	556.3	485.7	463.3	449.5	437.4	430.5	430.5
25°	4305.4	3628.6	2066.6	768.1	478.8	444.3	420.2	404.7	384.0	372.0	372.0
27.5°	4224.5	3470.2	1727.3	559.7	432.3	399.5	372.0	351.3	328.9	315.2	311.7
30°	4176.3	3335.8	1384.6	459.8	389.2	356.5	325.5	299.7	273.8	260.0	258.3
32.5°	4148.7	3211.8	1071.2	401.3	353.0	315.2	280.7	253.2	227.3	211.8	210.1
35°	4159.0	3115.4	802.5	361.7	318.6	279.0	241.1	213.5	191.2	177.4	173.9
37.5°	4248.6	3072.3	602.8	330.7	289.3	248.0	208.4	182.5	161.9	151.6	149.8
40°	4422.5	3081.0	473.6	306.5	265.2	217.0	179.1	155.0	139.5	130.9	129.2
42.5°	4692.9	3153.3	390.9	285.9	239.4	189.4	155.0	136.1	120.6	111.9	110.2
45°	5095.9	3303.1	341.0	261.8	211.8	163.6	134.3	117.1	103.3	93.0	91.3
47.5°	5679.7	3563.2	308.3	239.4	187.7	141.2	115.4	98.2	86.1	77.5	75.8
50°	6301.4	3874.9	280.7	217.0	167.1	122.3	98.2	80.9	70.6	62.0	60.3
52.5°	6964.4	4210.7	260.0	196.3	148.1	105.1	82.7	67.2	56.8	48.2	46.5
55°	7601.6	4548.2	235.9	182.5	125.7	89.6	68.9	55.1	44.8	37.9	37.9
57.5°	8221.6	4858.2	210.1	160.2	103.3	75.8	56.8	44.8	36.2	31.0	29.3
60°	8962.2	5287.1	180.8	136.1	86.1	63.7	46.5	36.2	29.3	24.1	24.1
62.5°	10062.6	5733.1	155.0	113.7	72.3	53.4	37.9	29.3	24.1	20.7	18.9
65°	10422.6	5492.0	130.9	93.0	58.6	43.1	31.0	25.8	20.7	18.9	17.2
67.5°	9461.6	4501.7	108.5	75.8	48.2	36.2	27.6	22.4	18.9	17.2	15.5
70°	7382.9	3194.6	84.4	56.8	39.6	29.3	24.1	20.7	17.2	15.5	15.5
72.5°	5021.8	1889.2	67.2	43.1	32.7	25.8	20.7	18.9	17.2	15.5	13.8
75°	2473.0	671.6	51.7	32.7	25.8	22.4	18.9	17.2	15.5	13.8	13.8
77.5°	666.5	186.0	39.6	25.8	20.7	17.2	17.2	17.2	15.5	12.1	12.1
80°	225.6	77.5	29.3	18.9	17.2	13.8	12.1	15.5	13.8	12.1	10.3
82.5°	124.0	37.9	20.7	15.5	12.1	10.3	10.3	10.3	10.3	8.6	8.6
85°	79.2	20.7	13.8	12.1	12.1	8.6	6.9	6.9	5.2	5.2	5.2
87.5°	36.2	12.1	12.1	10.3	10.3	8.6	5.2	3.4	1.7	1.7	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)