

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: P628919

Luminaire Tested: GWS-SA1A-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2903.6 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B1 - U0 - G1

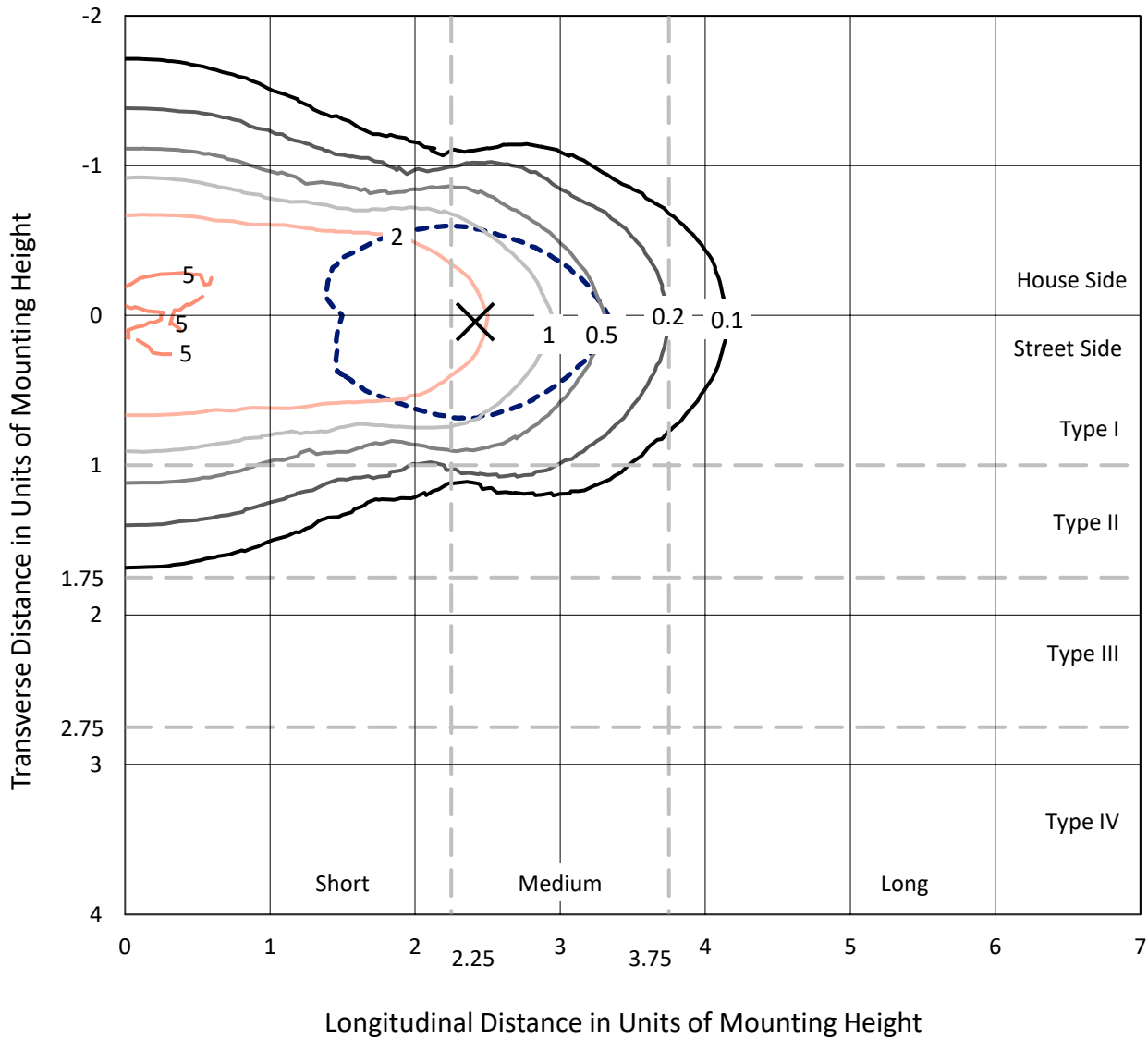
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628919
 CATALOG NUMBER: GWS-SA1A-750-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

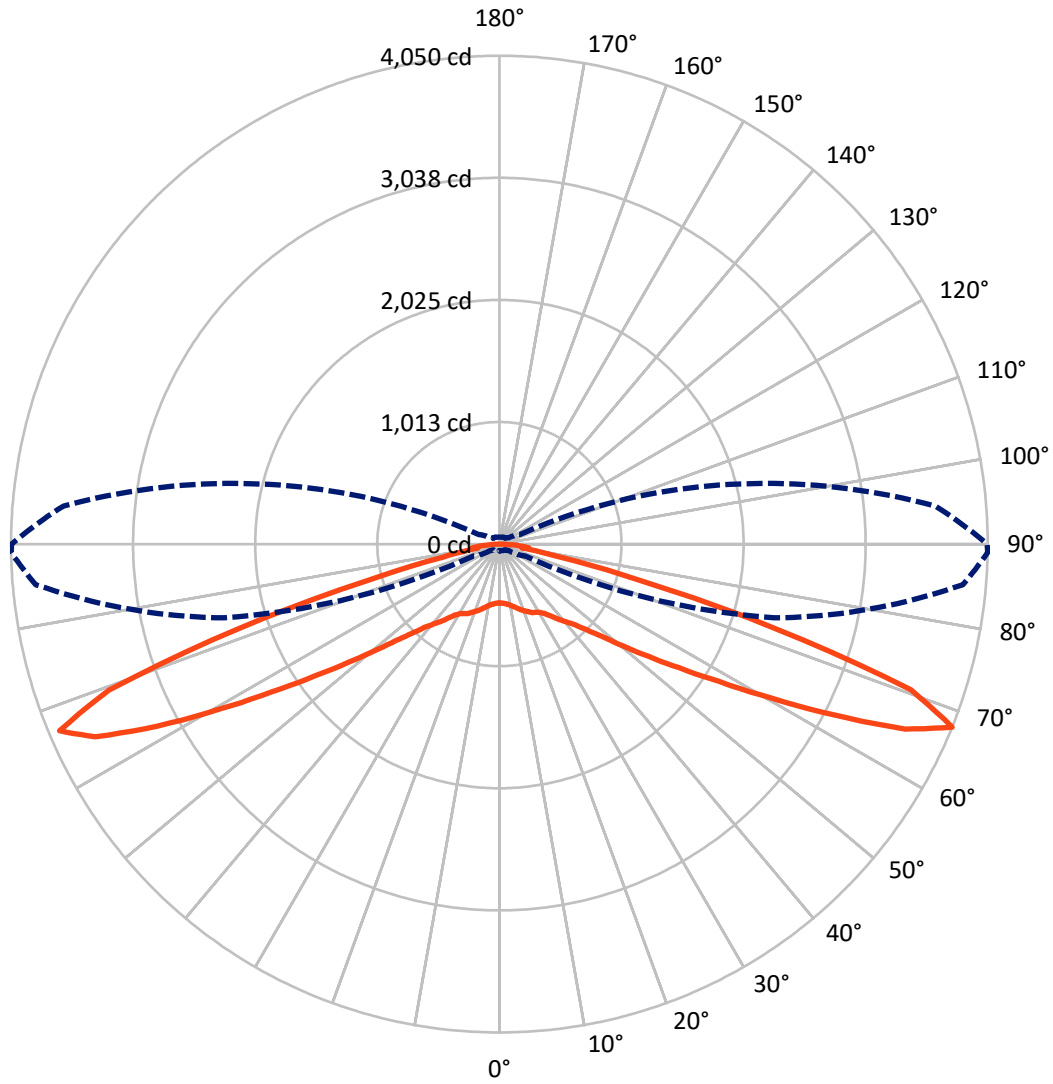
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Medium - N/A

REPORT NUMBER: P628919
CATALOG NUMBER: GWS-SA1A-750-U-T1-W

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P628919

CATALOG NUMBER: GWS-SA1A-750-U-T1-W

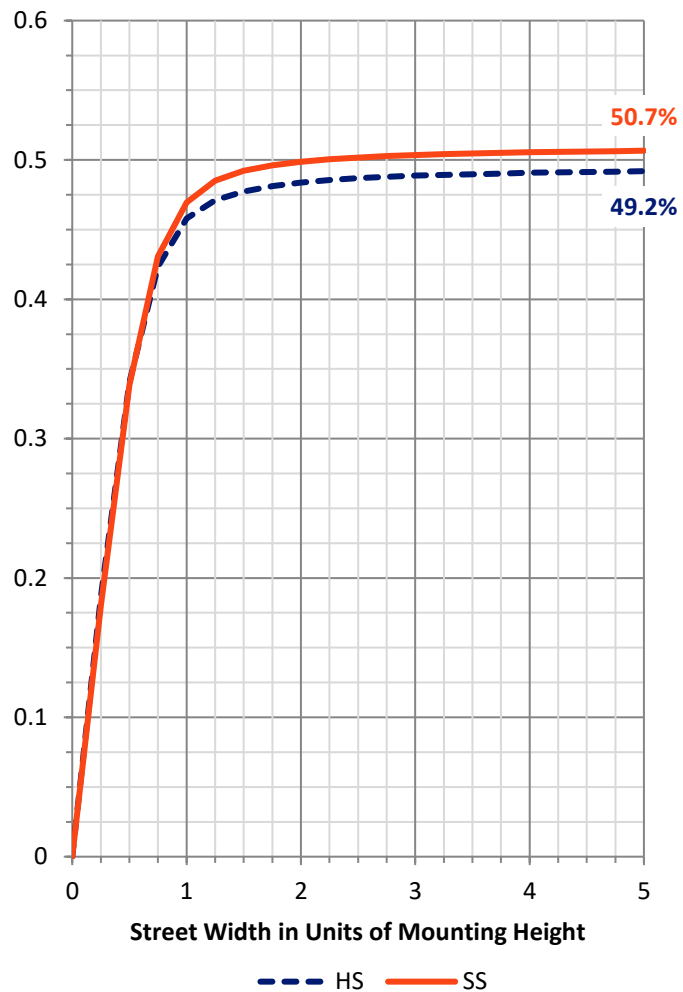
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.1	0.0	1439.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1464.5	0.0	1464.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	2903.6	0.0	2903.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	1.7
10°-20°	159.2	5.5
20°-30°	269.1	9.3
30°-40°	369.3	12.7
40°-50°	470.9	16.2
50°-60°	590.8	20.3
60°-70°	712.6	24.5
70°-80°	257.8	8.9
80°-90°	25.1	0.9
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°	2903.6	100.0
0°-180°	2903.6	100.0

Coefficient of Utilization



REPORT NUMBER: P628919

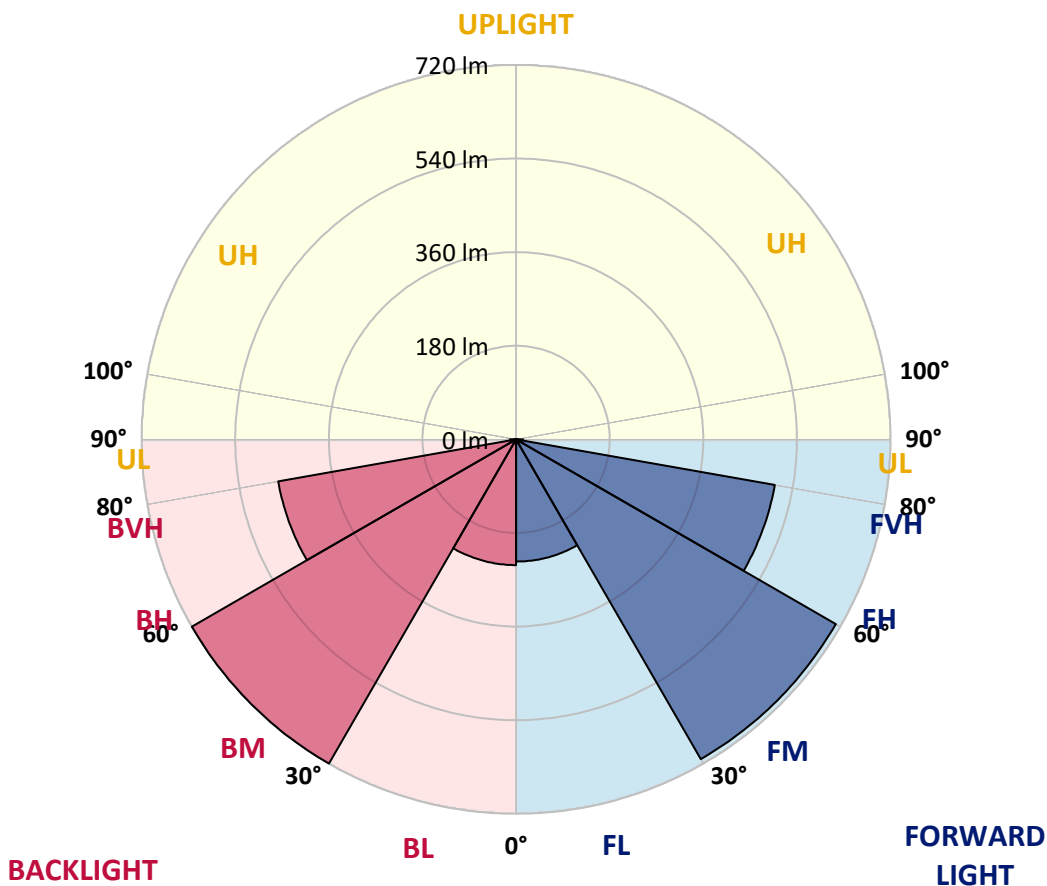
CATALOG NUMBER: GWS-SA1A-750-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.2	8.1			
FM (30°-60°)	710.6	24.5			
FH (60°-80°)	505.6	17.4			G0/660
FVH (80°-90°)	13.2	0.5			G1/100
BL (0°-30°)	242.0	8.3	B1/500		
BM (30°-60°)	720.4	24.8	B1/1000		
BH (60°-80°)	464.8	16.0	B1/500		G1/500
BVH (80°-90°)	11.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Medium





REPORT NUMBER: P628919
 CATALOG NUMBER: GWS-SA1A-750-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	488.8	488.4	487.3	490.5	489.8	490.1	491.3	490.5	489.0	486.5	490.1
5°	502.6	502.4	500.1	501.9	499.9	498.4	498.2	496.1	494.4	491.7	495.5
7.5°	515.9	515.7	513.8	517.2	515.5	513.8	512.0	507.8	503.8	499.9	504.0
10°	526.1	525.9	525.5	530.3	530.7	531.3	530.5	523.4	516.5	511.7	515.9
12.5°	532.0	532.6	533.6	542.4	546.8	550.9	552.0	546.2	534.7	527.8	532.8
15°	528.0	529.3	534.5	550.3	562.4	571.8	575.8	571.0	556.2	544.7	550.3
17.5°	509.0	510.1	520.3	544.5	571.2	592.9	599.3	596.4	579.9	566.0	571.4
20°	482.8	485.1	496.1	529.9	569.7	607.5	624.8	623.7	605.8	584.3	590.8
22.5°	459.0	461.7	473.4	510.7	559.9	611.2	650.4	653.1	629.4	602.7	607.9
25°	432.3	434.8	449.8	488.0	543.0	608.3	672.3	684.6	656.1	623.7	628.5
27.5°	405.0	406.9	421.7	462.3	520.9	602.9	689.6	719.2	682.3	638.3	641.7
30°	381.0	383.5	397.1	436.7	496.7	592.0	703.8	756.1	712.6	654.8	657.5
32.5°	357.8	359.9	374.7	411.4	471.1	575.3	716.5	799.5	757.4	685.5	685.5
35°	328.7	332.4	349.1	387.2	446.9	553.2	725.7	850.0	818.7	730.7	730.9
37.5°	301.7	303.8	321.4	359.9	421.4	528.2	726.5	902.3	896.3	788.3	788.7
40°	271.1	273.8	292.6	330.7	392.3	501.9	718.6	951.1	977.6	847.5	845.2
42.5°	240.0	244.0	261.9	299.2	360.8	469.8	697.5	997.6	1080.8	916.1	910.5
45°	210.0	212.5	230.4	265.7	324.7	431.5	663.8	1042.3	1203.5	1020.4	1012.2
47.5°	176.2	177.3	195.8	229.6	287.4	388.7	615.4	1082.1	1338.2	1158.4	1144.4
50°	146.2	147.6	162.2	191.2	241.7	338.0	555.1	1105.4	1509.8	1346.7	1322.5
52.5°	118.2	119.7	131.4	154.5	199.8	280.3	480.5	1100.0	1683.9	1580.5	1545.2
55°	95.5	96.6	104.5	122.6	157.2	222.9	392.3	1051.4	1877.2	1885.8	1809.9
57.5°	80.7	81.1	86.5	97.6	122.8	171.8	302.8	936.7	2079.9	2275.3	2150.6
60°	72.2	72.4	74.9	81.7	97.0	131.2	221.9	754.1	2289.9	2762.7	2591.7
62.5°	66.7	66.7	68.8	72.8	80.5	100.9	163.1	541.6	2440.7	3293.0	3123.0
65°	61.5	61.5	63.0	66.3	70.5	82.4	122.4	349.3	2514.7	3736.3	3698.6
67.5°	54.8	55.1	56.1	59.6	63.4	68.8	92.8	236.3	2361.0	3858.9	4050.0
70°	48.6	48.8	50.3	52.6	55.7	59.4	72.6	162.9	1718.5	3213.9	3621.2
72.5°	41.7	42.5	43.6	46.1	48.0	50.7	59.2	105.5	999.9	2067.4	2393.8
75°	34.2	35.2	36.5	39.0	40.2	41.3	48.8	75.3	481.1	1047.7	1193.0
77.5°	26.5	27.5	29.0	31.3	32.1	33.4	37.3	54.4	230.4	464.4	500.7
80°	17.7	18.1	19.4	22.1	23.6	24.4	27.5	37.1	100.1	186.4	184.8
82.5°	10.8	11.1	11.5	13.1	13.8	14.6	17.9	22.7	47.8	211.9	242.9
85°	4.0	3.8	3.5	4.6	5.4	6.3	8.3	11.5	20.9	145.6	162.9
87.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.8	1.7	5.0	54.4	37.3
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: P628919
 CATALOG NUMBER: GWS-SA1A-750-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	489.0	486.7	489.6	491.7	496.3	498.0	498.4	496.9	496.9	494.4	494.9
5°	494.6	493.2	498.0	501.5	508.2	510.7	512.4	511.3	512.0	510.3	510.7
7.5°	503.2	501.9	510.3	517.2	524.0	527.0	528.4	527.6	527.8	525.7	526.3
10°	515.1	515.5	525.5	534.5	543.7	546.6	547.2	544.7	542.6	538.9	539.1
12.5°	531.3	533.4	547.6	557.6	567.0	571.2	566.6	557.4	548.9	542.4	541.6
15°	549.1	552.8	573.3	586.0	596.2	594.1	580.6	559.9	543.0	533.4	531.6
17.5°	570.3	576.0	601.6	616.8	625.6	612.3	583.9	553.0	529.5	516.5	514.0
20°	590.4	599.3	631.7	651.5	652.5	622.5	582.4	539.1	509.5	493.6	490.3
22.5°	608.7	620.2	663.1	688.4	674.8	627.1	573.5	519.3	485.3	466.7	463.8
25°	628.7	645.0	699.8	723.4	697.1	625.2	554.7	494.6	456.1	437.1	435.0
27.5°	642.5	662.9	736.8	759.3	715.5	614.6	530.5	467.7	429.4	411.4	408.5
30°	658.3	684.4	777.4	798.3	726.7	598.9	504.7	442.7	404.6	385.2	383.1
32.5°	687.1	719.9	827.9	839.6	730.3	579.5	479.8	418.5	378.7	359.3	356.4
35°	733.4	771.8	898.8	885.6	727.6	558.2	456.3	390.2	352.2	334.1	331.2
37.5°	791.8	839.6	977.8	927.1	720.1	534.9	428.3	366.4	328.4	310.1	308.4
40°	846.2	905.0	1066.4	963.0	704.8	506.1	401.4	341.6	302.8	283.4	279.6
42.5°	914.4	992.6	1169.0	994.1	679.8	471.7	371.2	310.9	270.7	253.2	248.6
45°	1018.1	1115.2	1288.3	1023.9	642.5	429.4	333.2	273.6	235.4	217.5	214.0
47.5°	1147.4	1268.5	1417.6	1041.6	585.8	384.7	290.3	234.2	196.0	175.8	174.1
50°	1329.0	1491.4	1556.3	1038.5	522.4	331.8	241.9	187.3	155.4	140.8	138.5
52.5°	1550.2	1771.3	1706.2	1001.0	455.0	271.5	188.5	147.0	123.2	112.8	110.9
55°	1827.8	2106.4	1864.1	920.5	369.9	207.9	148.1	115.9	99.7	93.4	92.6
57.5°	2171.5	2540.4	2016.1	784.9	278.2	158.7	114.1	95.7	88.0	84.2	84.0
60°	2625.0	3001.0	2148.1	610.0	199.2	121.4	94.3	85.5	79.5	76.9	76.7
62.5°	3164.3	3419.3	2230.3	415.4	149.7	96.8	83.0	77.6	74.0	72.6	72.4
65°	3718.6	3683.8	2191.1	272.1	113.7	82.2	74.4	71.5	68.4	66.9	66.9
67.5°	4046.0	3627.9	1890.2	188.9	90.1	72.2	67.1	64.4	59.2	58.0	58.0
70°	3583.7	2939.7	1238.9	138.3	73.0	63.2	58.4	54.6	52.6	51.3	51.1
72.5°	2370.2	1912.9	658.8	95.9	60.9	53.8	49.4	48.0	45.5	44.2	44.0
75°	1179.7	1004.7	337.6	69.2	50.7	43.2	41.3	40.7	38.6	36.9	36.5
77.5°	491.7	447.3	157.4	50.3	38.6	34.8	33.2	33.2	30.9	29.0	28.2
80°	185.4	165.2	74.4	34.4	28.6	25.9	24.8	24.0	22.1	19.8	18.6
82.5°	247.9	162.0	36.5	21.5	18.8	16.7	15.2	14.6	13.6	12.5	11.7
85°	160.6	115.1	16.5	11.1	9.4	7.1	6.3	5.8	5.2	4.6	4.2
87.5°	32.7	38.6	5.0	2.1	1.3	0.6	0.6	0.2	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)