

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: P628974

Luminaire Tested: GWS-SA1A-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628974
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-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2863.8 lumens
Efficiency: N/A
Efficacy: 145.4 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

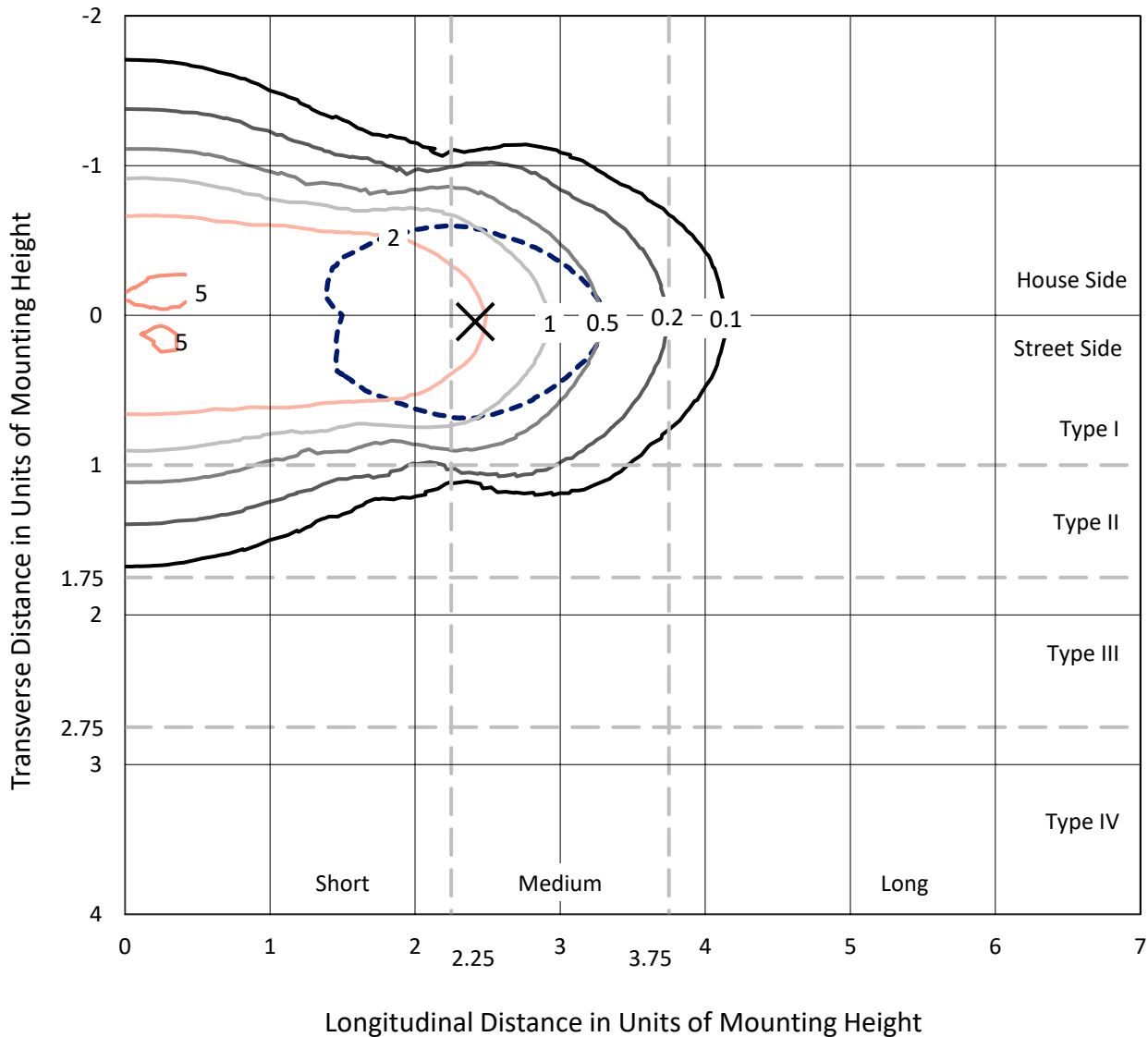
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628974
 CATALOG NUMBER: GWS-SA1A-760-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

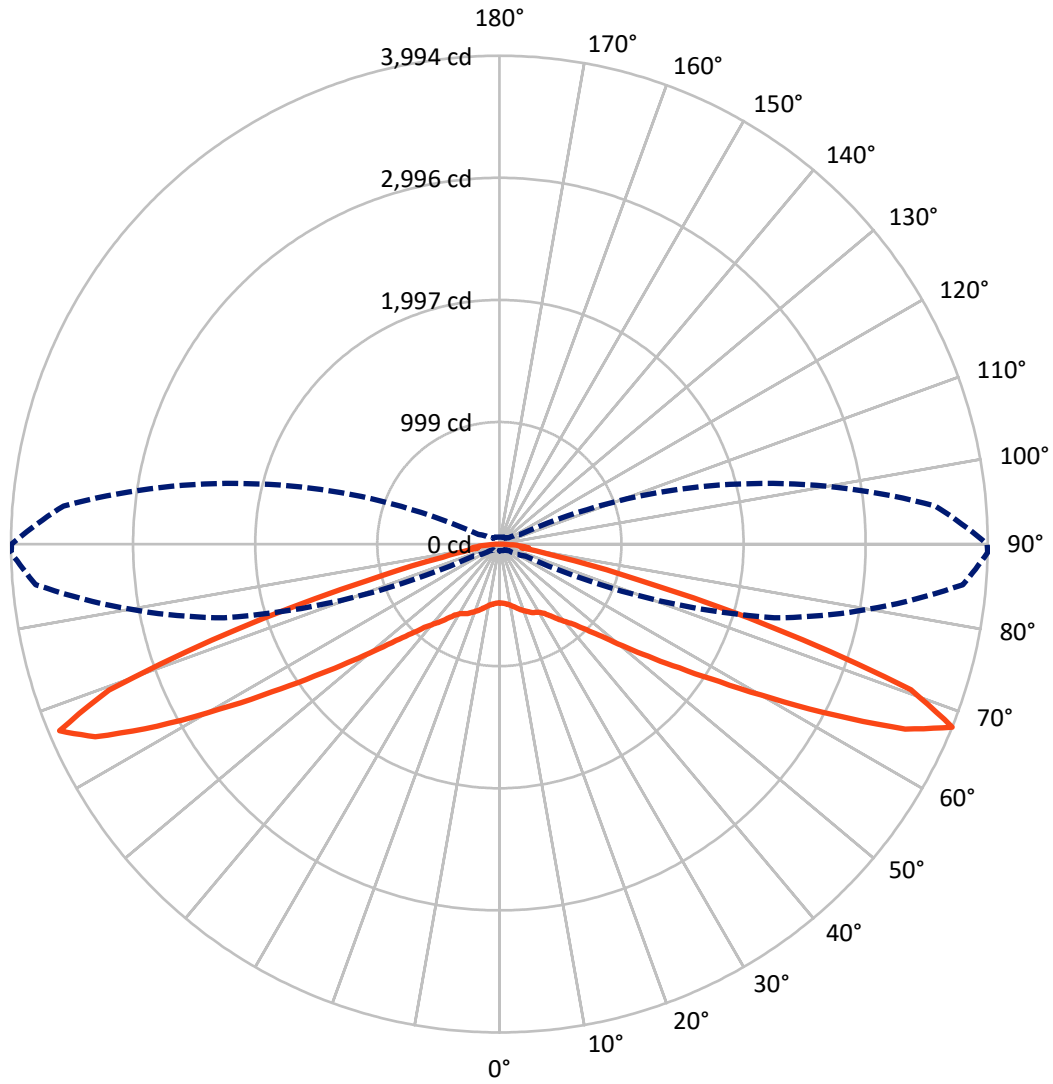
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type I - Medium - N/A

REPORT NUMBER: P628974
CATALOG NUMBER: GWS-SA1A-760-U-T1-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P628974

CATALOG NUMBER: GWS-SA1A-760-U-T1-W

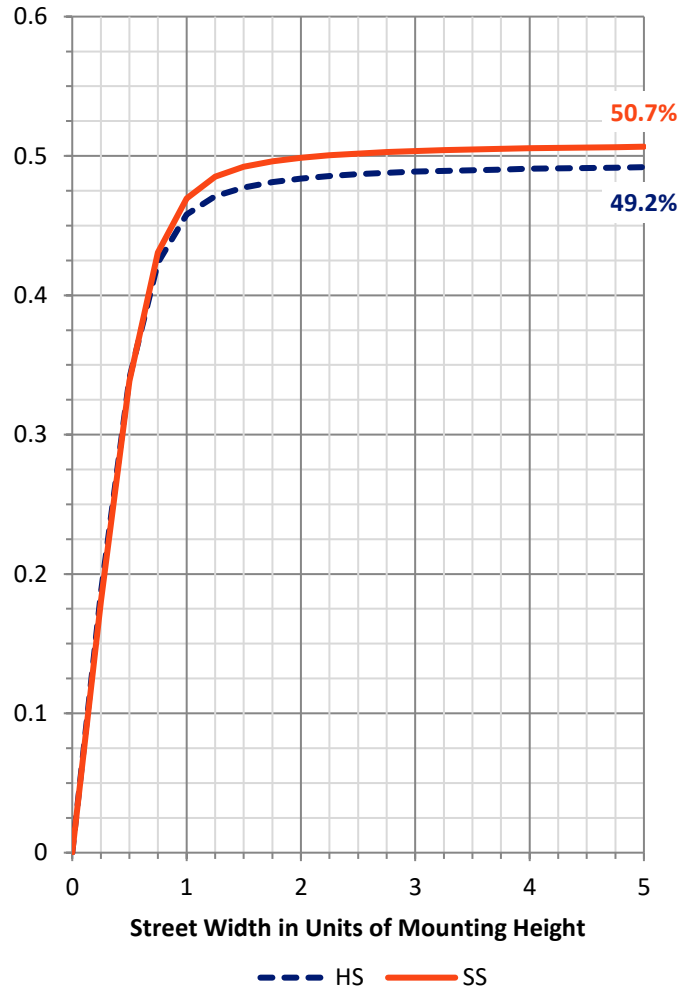
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1419.4	0.0	1419.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1444.4	0.0	1444.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	2863.8	0.0	2863.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.7
10°-20°	157.0	5.5
20°-30°	265.4	9.3
30°-40°	364.2	12.7
40°-50°	464.5	16.2
50°-60°	582.7	20.3
60°-70°	702.8	24.5
70°-80°	254.3	8.9
80°-90°	24.7	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°	2863.8	100.0
0°-180°	2863.8	100.0

Coefficient of Utilization



REPORT NUMBER: P628974

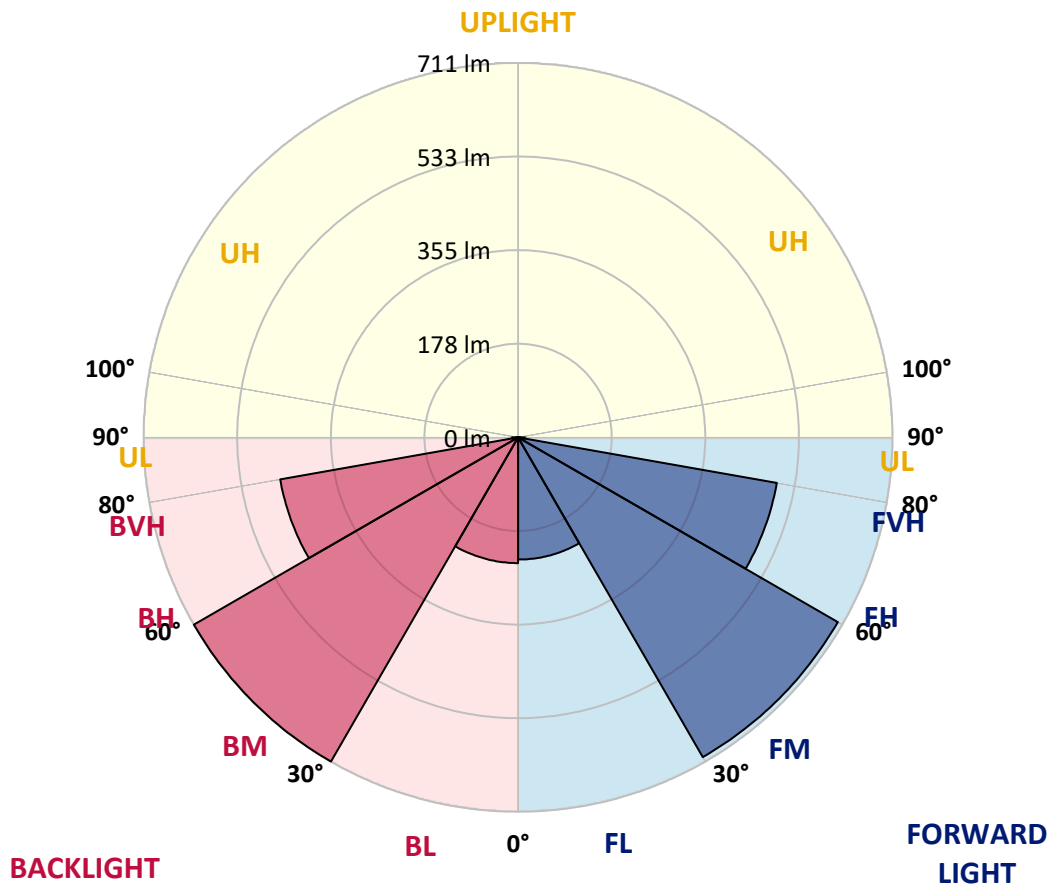
CATALOG NUMBER: GWS-SA1A-760-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.9	8.1			
FM (30°-60°)	700.8	24.5			
FH (60°-80°)	498.6	17.4			G0/660
FVH (80°-90°)	13.0	0.5			G1/100
BL (0°-30°)	238.7	8.3	B1/500		
BM (30°-60°)	710.6	24.8	B1/1000		
BH (60°-80°)	458.5	16.0	B1/500		G1/500
BVH (80°-90°)	11.7	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: P628974
 CATALOG NUMBER: GWS-SA1A-760-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7
2.5°	482.1	481.7	480.7	483.8	483.1	483.3	484.6	483.8	482.3	479.8	483.3
5°	495.7	495.5	493.2	495.1	493.0	491.6	491.4	489.3	487.7	485.0	488.7
7.5°	508.8	508.6	506.8	510.1	508.4	506.8	504.9	500.8	496.9	493.0	497.1
10°	518.9	518.7	518.3	523.0	523.4	524.1	523.2	516.2	509.5	504.7	508.8
12.5°	524.7	525.3	526.3	535.0	539.3	543.4	544.4	538.7	527.4	520.6	525.5
15°	520.8	522.0	527.1	542.8	554.7	564.0	567.9	563.1	548.5	537.2	542.8
17.5°	502.1	503.1	513.2	537.0	563.3	584.7	591.1	588.2	572.0	558.2	563.6
20°	476.1	478.4	489.3	522.6	561.9	599.1	616.2	615.2	597.5	576.3	582.7
22.5°	452.7	455.4	466.9	503.7	552.2	602.8	641.5	644.2	620.7	594.4	599.5
25°	426.4	428.8	443.6	481.3	535.6	600.0	663.1	675.2	647.1	615.2	619.9
27.5°	399.4	401.3	415.9	456.0	513.8	594.6	680.2	709.4	673.0	629.6	632.9
30°	375.8	378.2	391.6	430.7	489.9	583.9	694.2	745.8	702.8	645.8	648.5
32.5°	352.9	355.0	369.6	405.8	464.6	567.5	706.7	788.6	747.0	676.1	676.1
35°	324.1	327.8	344.3	381.9	440.8	545.7	715.8	838.3	807.5	720.7	720.9
37.5°	297.6	299.7	316.9	355.0	415.7	521.0	716.6	890.0	884.0	777.5	777.9
40°	267.4	270.1	288.6	326.2	386.9	495.1	708.8	938.1	964.2	835.9	833.6
42.5°	236.7	240.6	258.3	295.1	355.8	463.4	688.0	984.0	1066.0	903.5	898.0
45°	207.1	209.6	227.3	262.0	320.2	425.5	654.7	1028.0	1187.0	1006.4	998.4
47.5°	173.8	174.8	193.1	226.4	283.4	383.4	607.0	1067.3	1319.8	1142.5	1128.8
50°	144.2	145.6	160.0	188.6	238.4	333.4	547.5	1090.3	1489.1	1328.3	1304.4
52.5°	116.6	118.1	129.6	152.4	197.0	276.4	473.9	1084.9	1660.8	1558.8	1524.1
55°	94.2	95.2	103.0	120.9	155.1	219.9	386.9	1037.0	1851.5	1859.9	1785.1
57.5°	79.6	80.0	85.4	96.3	121.1	169.5	298.6	923.9	2051.4	2244.1	2121.1
60°	71.2	71.4	73.8	80.6	95.6	129.4	218.8	743.7	2258.5	2724.8	2556.1
62.5°	65.8	65.8	67.9	71.8	79.4	99.5	160.8	534.1	2407.2	3247.8	3080.2
65°	60.7	60.7	62.1	65.4	69.5	81.2	120.7	344.5	2480.3	3685.1	3647.9
67.5°	54.1	54.3	55.3	58.8	62.5	67.9	91.5	233.0	2328.7	3806.0	3994.4
70°	47.9	48.1	49.6	51.8	54.9	58.6	71.6	160.6	1695.0	3169.9	3571.6
72.5°	41.1	42.0	43.0	45.5	47.3	50.0	58.4	104.1	986.2	2039.1	2361.0
75°	33.7	34.8	36.0	38.5	39.7	40.7	48.1	74.2	474.5	1033.3	1176.7
77.5°	26.1	27.1	28.6	30.9	31.7	32.9	36.8	53.7	227.3	458.0	493.8
80°	17.5	17.9	19.1	21.8	23.2	24.1	27.1	36.6	98.7	183.9	182.2
82.5°	10.7	10.9	11.3	13.0	13.6	14.4	17.7	22.4	47.1	209.0	239.6
85°	3.9	3.7	3.5	4.5	5.3	6.2	8.2	11.3	20.6	143.6	160.6
87.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.8	1.6	4.9	53.7	36.8
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: P628974
 CATALOG NUMBER: GWS-SA1A-760-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7	480.7
2.5°	482.3	480.0	482.9	485.0	489.5	491.2	491.6	490.1	490.1	487.7	488.1
5°	487.9	486.4	491.2	494.7	501.2	503.7	505.3	504.3	504.9	503.3	503.7
7.5°	496.3	495.1	503.3	510.1	516.9	519.7	521.2	520.4	520.6	518.5	519.1
10°	508.0	508.4	518.3	527.1	536.2	539.1	539.7	537.2	535.2	531.5	531.7
12.5°	524.1	526.1	540.1	550.0	559.2	563.3	558.8	549.8	541.3	535.0	534.1
15°	541.5	545.2	565.4	578.0	588.0	586.0	572.6	552.2	535.6	526.1	524.3
17.5°	562.5	568.1	593.4	608.4	617.0	603.9	575.9	545.5	522.2	509.5	507.0
20°	582.3	591.1	623.0	642.5	643.6	613.9	574.5	531.7	502.5	486.8	483.5
22.5°	600.4	611.7	654.1	678.9	665.6	618.5	565.6	512.1	478.6	460.3	457.4
25°	620.1	636.2	690.3	713.5	687.6	616.6	547.1	487.9	449.8	431.1	429.0
27.5°	633.7	653.8	726.7	748.9	705.7	606.1	523.2	461.3	423.5	405.8	402.9
30°	649.3	675.0	766.8	787.3	716.8	590.7	497.7	436.7	399.0	379.9	377.8
32.5°	677.7	710.0	816.5	828.1	720.3	571.6	473.3	412.8	373.5	354.4	351.5
35°	723.4	761.2	886.5	873.5	717.6	550.6	450.0	384.8	347.4	329.5	326.6
37.5°	781.0	828.1	964.4	914.4	710.2	527.6	422.5	361.4	323.9	305.8	304.2
40°	834.6	892.6	1051.8	949.8	695.2	499.2	395.9	336.9	298.6	279.5	275.8
42.5°	901.9	979.0	1153.0	980.5	670.5	465.2	366.1	306.7	267.0	249.7	245.2
45°	1004.1	1100.0	1270.7	1009.9	633.7	423.5	328.7	269.8	232.2	214.5	211.0
47.5°	1131.6	1251.1	1398.2	1027.4	577.7	379.5	286.3	231.0	193.3	173.4	171.7
50°	1310.8	1471.0	1535.0	1024.3	515.2	327.2	238.6	184.7	153.2	138.8	136.6
52.5°	1529.0	1747.0	1682.8	987.2	448.8	267.8	185.9	145.0	121.6	111.3	109.4
55°	1802.8	2077.5	1838.5	907.9	364.9	205.1	146.0	114.4	98.3	92.1	91.3
57.5°	2141.7	2505.5	1988.5	774.2	274.4	156.5	112.5	94.4	86.8	83.1	82.9
60°	2589.1	2959.9	2118.7	601.6	196.4	119.7	93.0	84.3	78.4	75.9	75.7
62.5°	3120.9	3372.5	2199.7	409.7	147.7	95.4	81.9	76.5	73.0	71.6	71.4
65°	3667.6	3633.3	2161.0	268.4	112.1	81.0	73.4	70.5	67.5	66.0	66.0
67.5°	3990.5	3578.2	1864.3	186.3	88.9	71.2	66.2	63.6	58.4	57.2	57.2
70°	3534.5	2899.4	1221.9	136.4	72.0	62.3	57.6	53.9	51.8	50.6	50.4
72.5°	2337.7	1886.7	649.7	94.6	60.1	53.1	48.7	47.3	44.8	43.6	43.4
75°	1163.5	990.9	333.0	68.3	50.0	42.6	40.7	40.1	38.1	36.4	36.0
77.5°	485.0	441.2	155.3	49.6	38.1	34.3	32.7	32.7	30.4	28.6	27.8
80°	182.8	162.9	73.4	33.9	28.2	25.5	24.5	23.7	21.8	19.5	18.3
82.5°	244.5	159.8	36.0	21.2	18.5	16.5	15.0	14.4	13.4	12.3	11.5
85°	158.4	113.5	16.2	10.9	9.3	7.0	6.2	5.8	5.1	4.5	4.1
87.5°	32.3	38.1	4.9	2.1	1.2	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)