

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: P629067

Luminaire Tested: GWS-SA1A-830-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1924.1 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

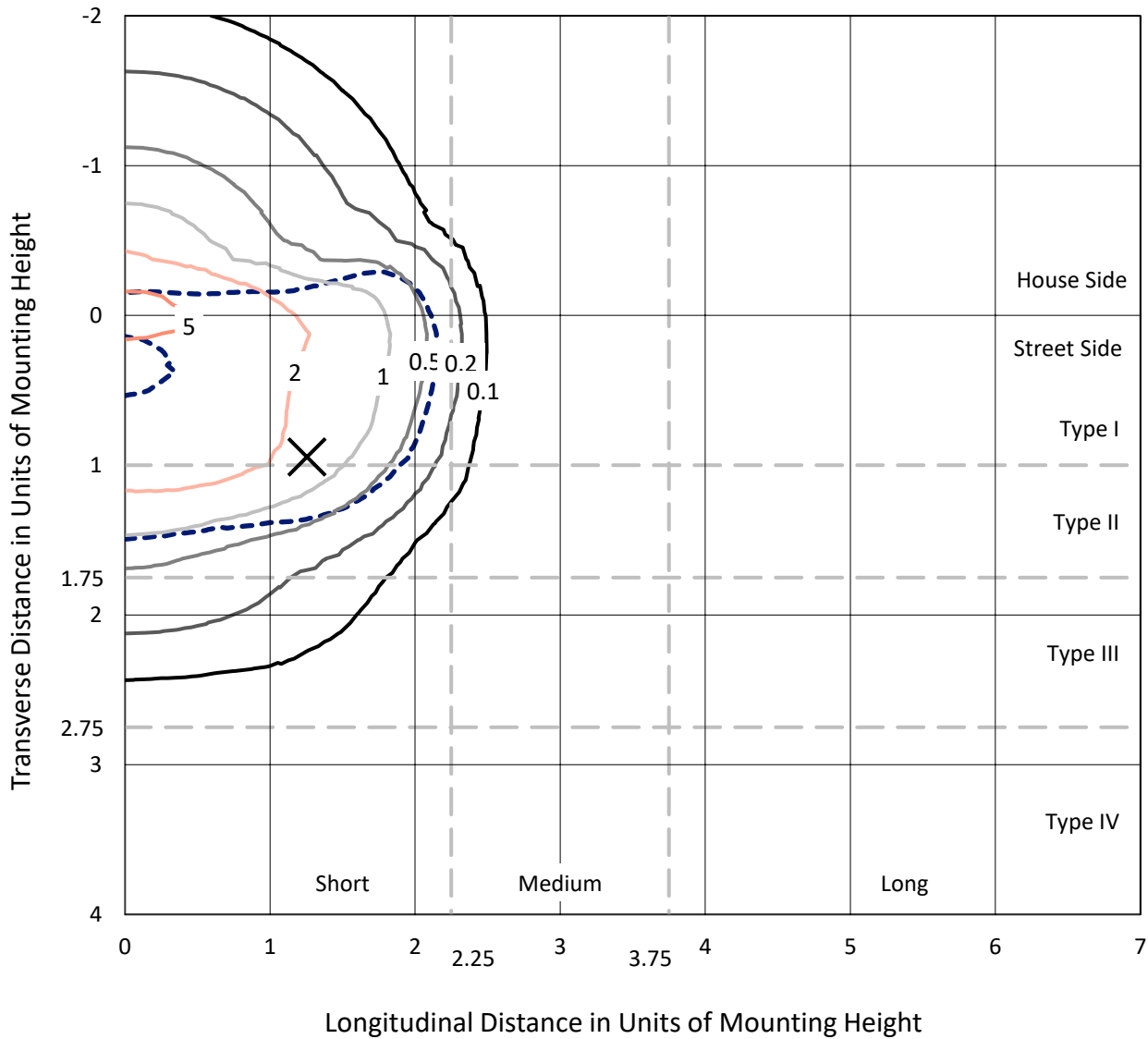
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629067
 CATALOG NUMBER: GWS-SA1A-830-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

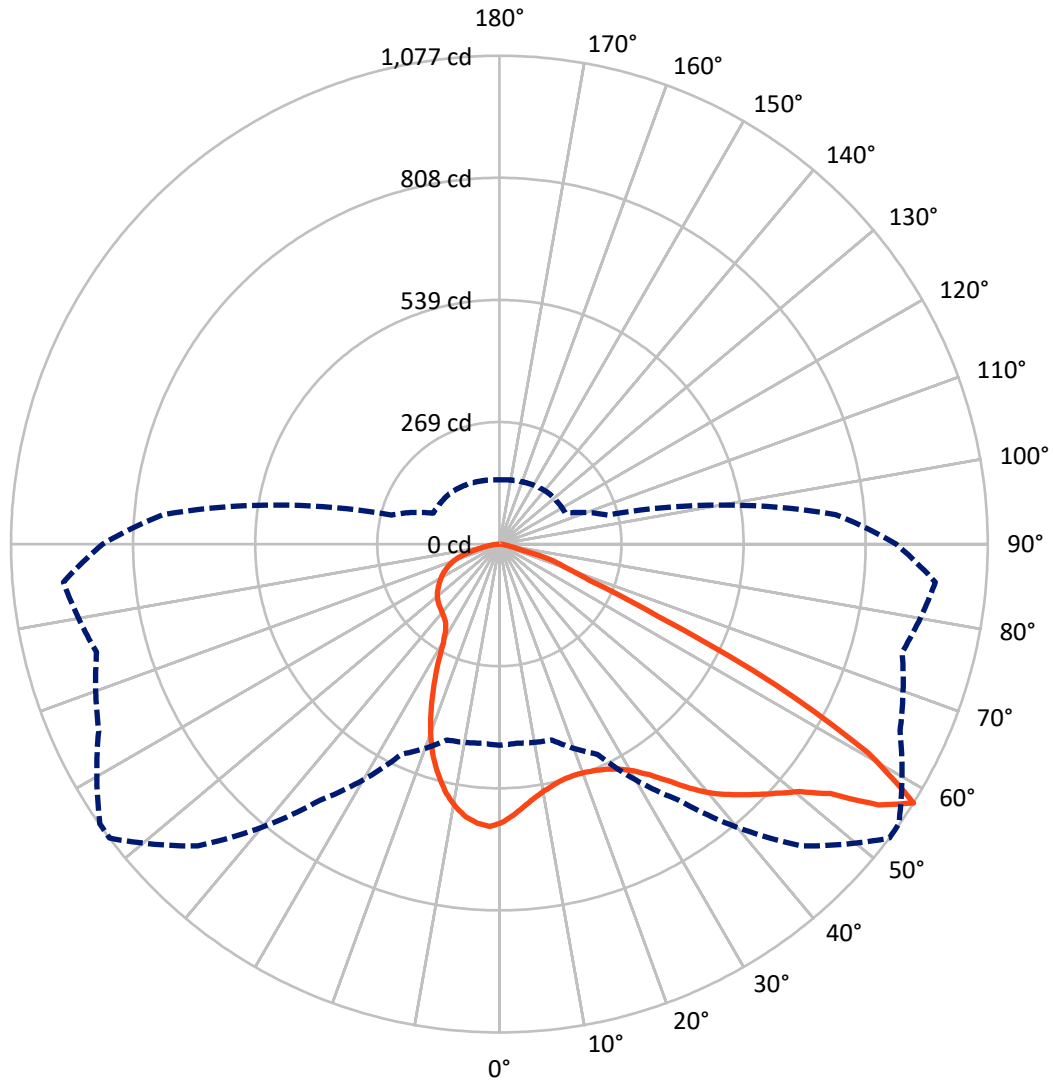
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

REPORT NUMBER: P629067
CATALOG NUMBER: GWS-SA1A-830-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629067
 CATALOG NUMBER: GWS-SA1A-830-U-SL2-W-GRSWH

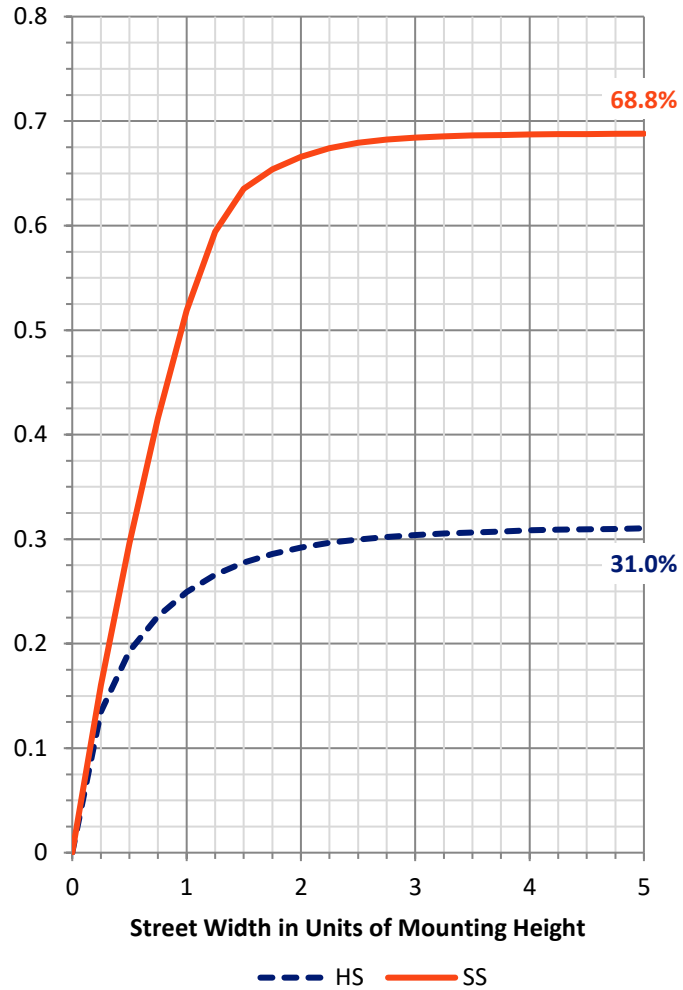
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.6	0.0	601.6
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	1322.5	0.0	1322.5
	% Fixture	68.7	0.0	68.7
Total	Lumens	1924.1	0.0	1924.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	2.9
10°-20°	145.8	7.6
20°-30°	214.8	11.2
30°-40°	300.6	15.6
40°-50°	395.2	20.5
50°-60°	463.4	24.1
60°-70°	273.0	14.2
70°-80°	67.9	3.5
80°-90°	8.0	0.4
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°	1924.1	100.0
0°-180°	1924.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629067

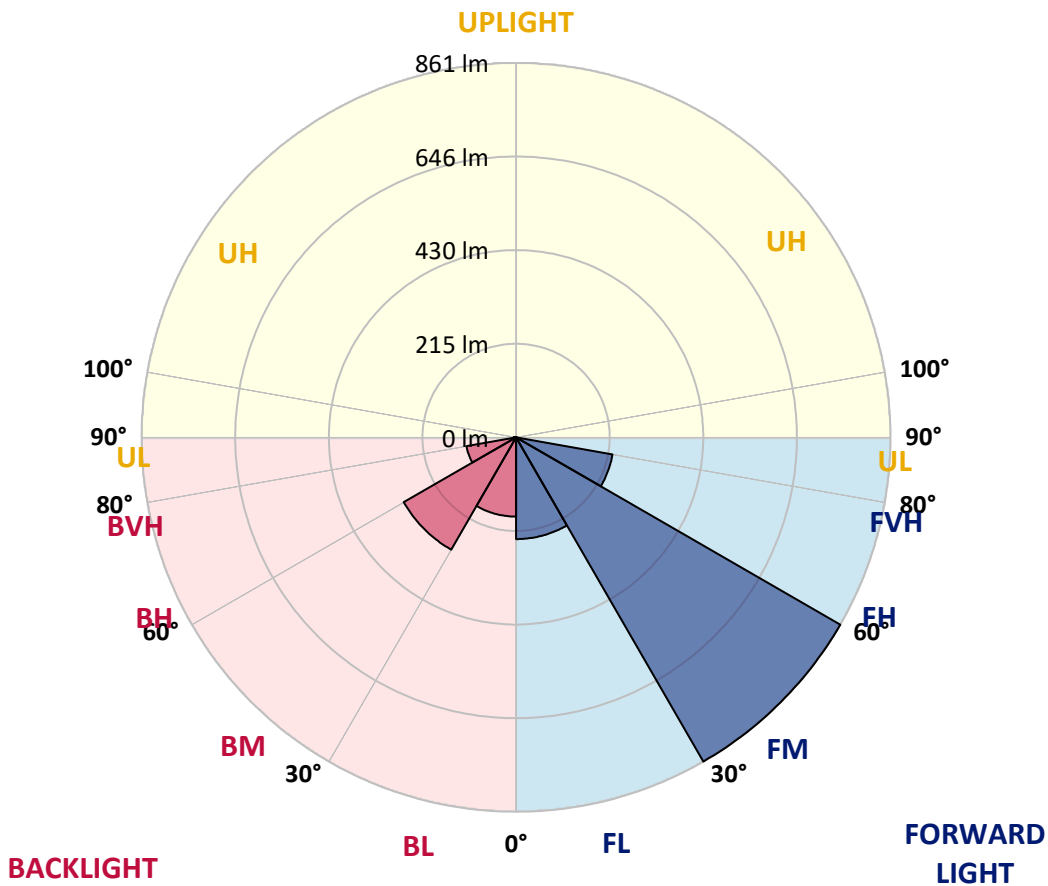
CATALOG NUMBER: GWS-SA1A-830-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.9	12.2			
FM (30°-60°)	860.9	44.7			
FH (60°-80°)	225.0	11.7			G0/660
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	182.2	9.5	B1/500		
BM (30°-60°)	298.3	15.5	B1/1000		
BH (60°-80°)	115.8	6.0	B1/500		G1/500
BVH (80°-90°)	5.3	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P629067
 CATALOG NUMBER: GWS-SA1A-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4
2.5°	579.1	580.7	581.1	586.1	586.4	593.7	598.5	597.6	602.6	608.7	613.6
5°	551.4	551.6	553.2	559.2	562.4	572.0	580.1	580.1	589.8	602.4	613.3
7.5°	528.6	528.4	529.9	536.5	541.9	553.4	564.4	565.7	579.3	597.7	615.4
10°	507.4	508.5	510.1	518.2	525.0	539.3	552.4	554.5	571.7	594.5	618.3
12.5°	493.8	493.9	496.4	505.4	514.2	529.4	543.2	545.8	565.5	591.4	620.4
15°	485.0	485.2	487.8	497.8	508.0	523.4	537.5	540.4	561.9	590.9	624.5
17.5°	481.1	481.0	483.4	493.4	504.6	520.7	535.7	539.3	563.6	594.7	631.6
20°	481.1	481.3	482.6	491.7	503.0	520.0	537.5	541.9	569.9	603.1	642.6
22.5°	487.9	488.6	489.2	495.4	504.3	521.0	542.2	548.0	583.5	617.2	657.0
25°	501.2	501.4	502.0	507.0	511.1	523.7	550.0	558.7	604.7	637.7	675.1
27.5°	519.0	521.3	521.9	525.2	525.2	530.5	562.1	574.7	633.4	667.4	698.3
30°	544.0	544.8	545.9	549.5	545.6	543.3	579.9	596.1	666.6	703.2	726.2
32.5°	565.8	567.6	573.8	579.6	572.6	565.5	606.2	625.3	698.5	740.4	755.8
35°	584.5	588.8	600.7	613.6	608.7	601.6	641.0	660.9	724.7	767.1	782.0
37.5°	607.0	610.4	626.6	647.6	652.0	648.6	683.4	697.7	742.2	773.9	796.3
40°	629.8	635.0	655.9	685.0	701.7	704.1	722.6	732.2	748.2	760.7	793.5
42.5°	653.1	662.0	690.7	724.7	754.3	759.8	755.6	759.7	746.2	742.4	780.7
45°	681.6	692.2	724.5	767.9	807.0	815.6	788.0	784.3	745.9	735.4	772.8
47.5°	715.3	725.8	756.8	807.3	857.2	863.5	821.2	814.4	757.3	746.1	783.5
50°	745.1	752.4	780.1	836.6	904.0	907.7	857.8	849.6	785.4	775.7	816.8
52.5°	714.8	714.0	743.2	812.8	928.3	973.1	914.2	906.2	839.8	824.9	868.5
55°	606.5	597.3	623.3	691.8	860.4	1031.3	1015.2	999.4	912.4	874.5	916.9
57.5°	443.4	440.8	447.1	511.4	689.2	941.2	1077.1	1075.6	975.1	919.8	965.2
60°	346.7	342.8	326.0	327.8	469.8	735.2	934.7	977.7	1013.9	947.1	998.9
62.5°	307.9	304.9	296.2	272.1	279.8	493.0	685.2	724.5	886.0	836.4	858.0
65°	254.9	254.1	261.4	260.4	234.5	272.2	386.7	426.4	557.1	564.1	557.1
67.5°	185.3	183.8	202.3	238.7	225.8	205.5	215.5	229.3	285.7	256.5	230.9
70°	120.5	118.4	129.1	172.5	202.1	179.1	155.3	153.0	157.1	97.7	105.6
72.5°	80.8	78.4	78.2	94.9	122.1	120.6	120.3	119.2	106.4	77.1	85.5
75°	45.0	43.1	42.6	41.0	43.7	44.5	47.4	49.1	53.1	58.5	64.8
77.5°	7.6	7.4	9.4	12.0	16.5	21.2	26.2	27.7	34.2	40.5	44.5
80°	4.2	4.4	5.7	7.0	9.2	12.6	16.2	17.2	21.1	24.5	27.7
82.5°	2.3	2.3	2.9	3.7	5.0	6.6	8.7	9.6	12.1	14.3	16.5
85°	0.8	0.8	1.1	1.5	2.1	2.8	3.4	3.9	5.3	7.3	8.3
87.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.6	0.6	0.8	1.5	2.1
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: P629067

CATALOG NUMBER: GWS-SA1A-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4	614.4
2.5°	617.7	613.3	619.3	622.0	623.0	623.6	619.4	616.5	615.6	612.5	610.7
5°	619.9	617.0	622.7	622.7	618.6	614.4	605.8	599.8	595.6	590.6	589.8
7.5°	623.8	621.7	624.8	618.5	608.3	596.9	582.0	570.4	561.0	554.8	555.0
10°	629.0	626.4	624.0	609.9	591.3	570.4	547.5	530.5	515.0	507.9	504.0
12.5°	632.4	628.7	618.5	595.1	567.8	539.8	507.5	482.3	459.8	449.6	448.7
15°	636.6	629.8	609.4	576.0	538.0	499.8	458.3	423.2	392.7	376.8	376.0
17.5°	642.1	630.9	598.5	554.2	506.6	450.2	398.1	353.8	321.5	309.2	311.3
20°	649.9	632.2	586.2	529.9	467.5	393.8	328.9	288.3	275.8	275.0	273.4
22.5°	658.6	633.0	572.6	502.7	420.2	333.8	271.7	254.4	254.3	258.3	259.3
25°	668.5	633.7	557.3	470.9	369.1	273.8	240.3	235.1	239.2	246.8	247.8
27.5°	681.1	635.0	538.6	436.1	314.7	236.6	223.0	221.7	226.6	233.7	233.4
30°	699.8	639.7	518.9	396.1	258.8	218.9	212.5	212.6	214.6	218.0	218.5
32.5°	718.7	647.0	499.6	351.1	226.7	208.9	206.0	205.7	205.7	207.1	207.5
35°	736.7	655.2	478.7	304.1	211.2	203.1	201.1	200.2	199.7	199.4	198.9
37.5°	746.7	659.3	458.3	257.8	202.9	199.2	197.2	196.0	194.2	192.9	192.6
40°	742.4	654.6	434.7	223.2	197.9	195.5	193.2	191.4	189.0	187.9	187.2
42.5°	727.8	640.0	408.9	206.8	193.8	191.4	188.7	185.8	184.1	183.2	183.0
45°	712.4	622.4	377.8	197.2	190.0	187.0	183.8	180.6	178.8	178.3	178.1
47.5°	711.9	613.6	344.8	189.6	185.3	182.3	178.3	175.1	173.1	172.5	171.8
50°	733.3	622.5	307.5	183.0	180.4	177.3	172.8	169.2	166.8	166.0	165.8
52.5°	777.7	656.0	274.2	176.4	173.9	170.4	166.6	163.1	160.2	158.7	158.5
55°	825.6	698.6	253.4	169.6	166.3	163.2	159.8	156.0	152.7	150.4	150.1
57.5°	875.1	745.1	247.1	161.0	158.5	156.4	152.4	148.2	144.5	142.3	141.9
60°	916.0	785.1	258.9	151.9	150.6	147.9	144.1	140.1	137.5	135.9	135.5
62.5°	766.8	639.2	209.1	142.0	142.0	139.1	134.9	132.0	130.2	129.1	128.7
65°	486.6	395.8	142.7	132.1	132.0	128.1	124.5	122.6	121.8	120.0	119.7
67.5°	212.0	180.9	121.9	122.1	121.5	117.2	113.7	112.2	110.6	108.7	108.5
70°	110.0	112.1	109.2	110.9	109.8	104.8	101.4	99.1	95.7	93.8	93.9
72.5°	88.7	91.0	94.3	97.0	94.6	90.5	85.2	82.4	78.1	76.0	76.1
75°	67.7	70.1	73.2	76.1	74.2	69.2	65.7	63.0	58.0	55.5	56.0
77.5°	46.6	47.9	51.7	51.5	50.9	49.4	44.4	41.1	36.0	33.0	33.4
80°	29.0	29.8	31.6	32.4	32.1	30.1	26.1	23.6	20.6	18.8	18.9
82.5°	17.5	18.0	19.6	19.8	19.6	18.1	15.1	13.3	11.3	10.4	10.4
85°	8.9	9.2	10.2	10.2	9.2	7.8	7.0	6.2	5.0	4.5	4.5
87.5°	2.4	2.4	3.1	2.6	2.1	1.9	1.0	0.8	0.3	0.2	0.2
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)