

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: P628798

Luminaire Tested: GWS-SA1A-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2748.2 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

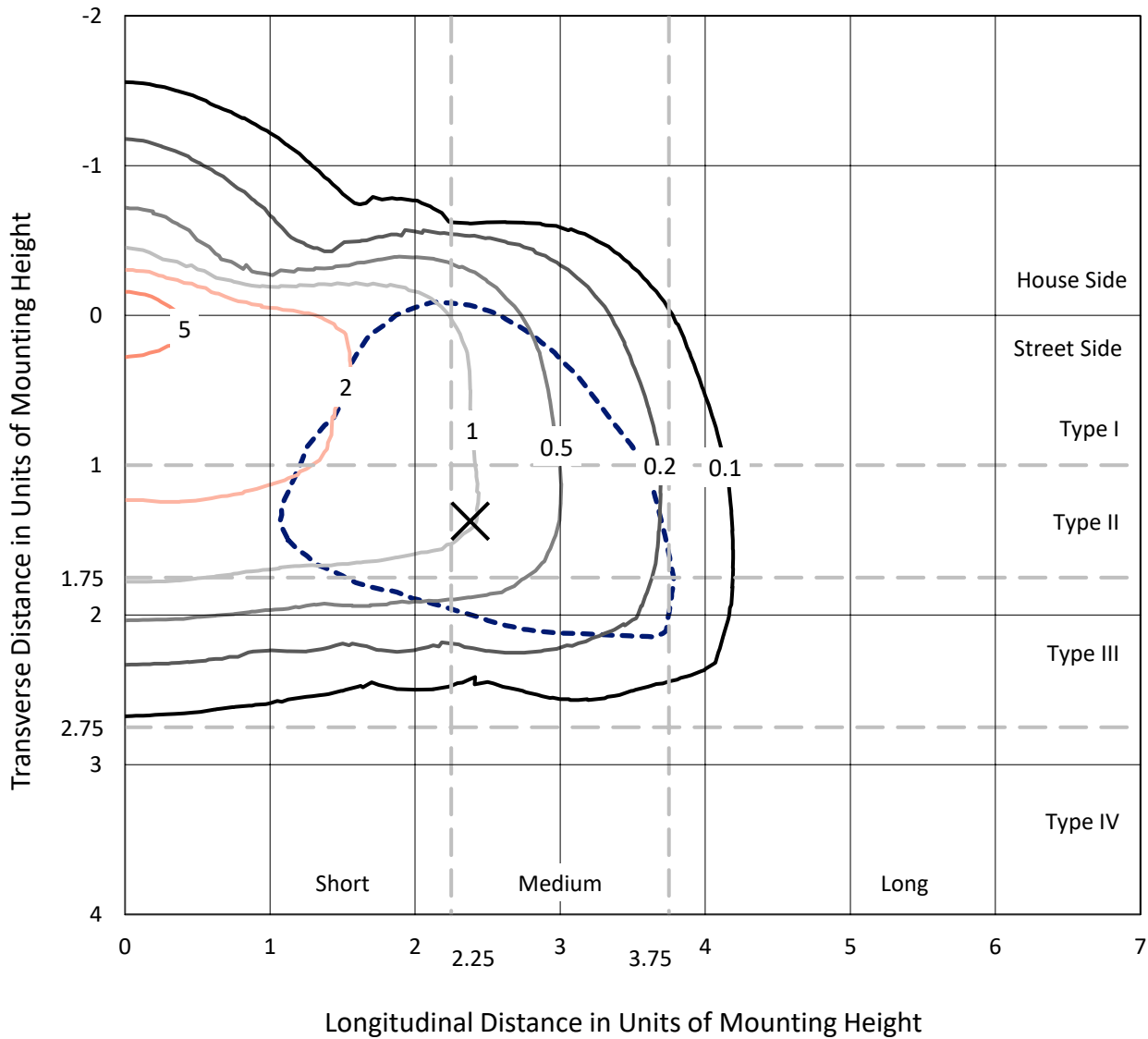
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628798
 CATALOG NUMBER: GWS-SA1A-735-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

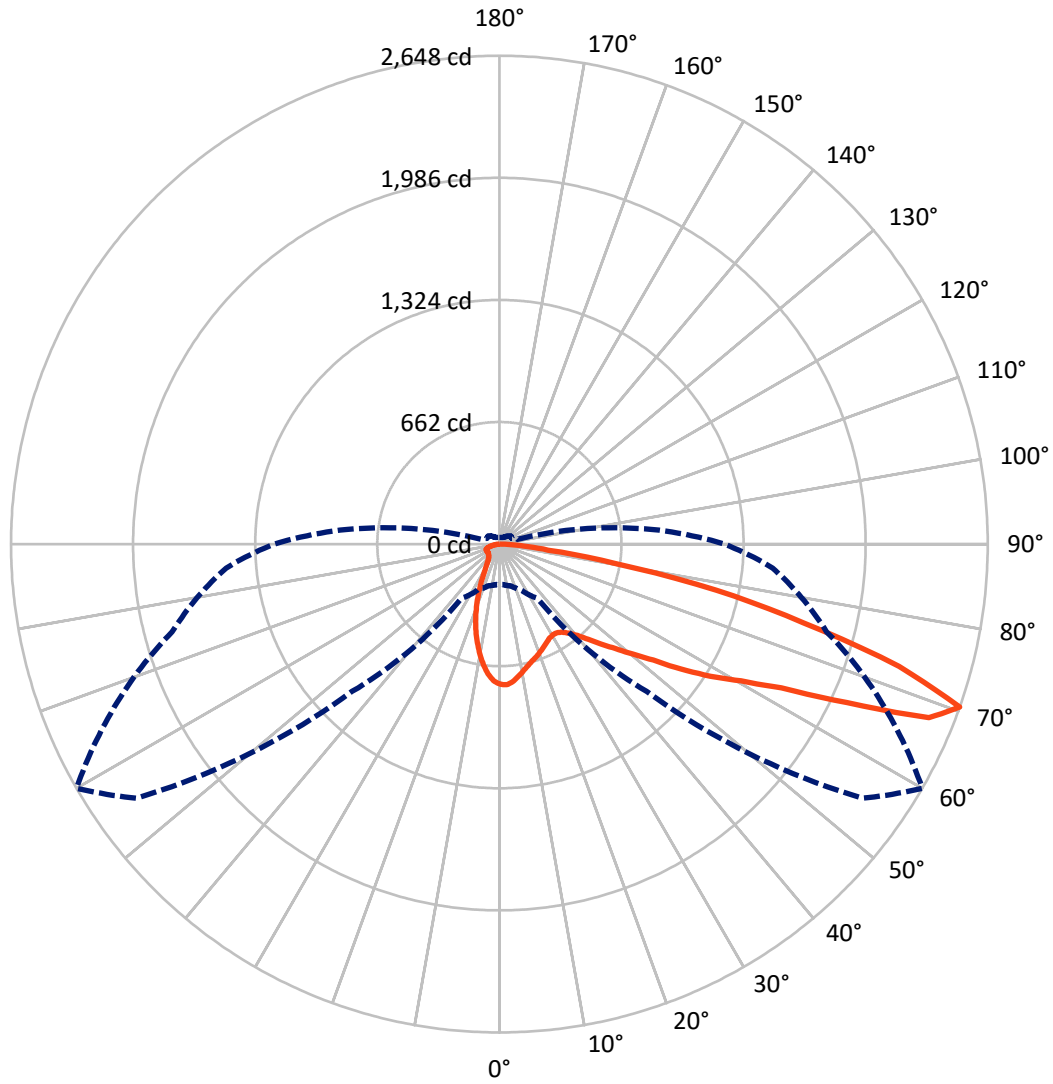
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P628798
CATALOG NUMBER: GWS-SA1A-735-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P628798

CATALOG NUMBER: GWS-SA1A-735-U-SL3-W

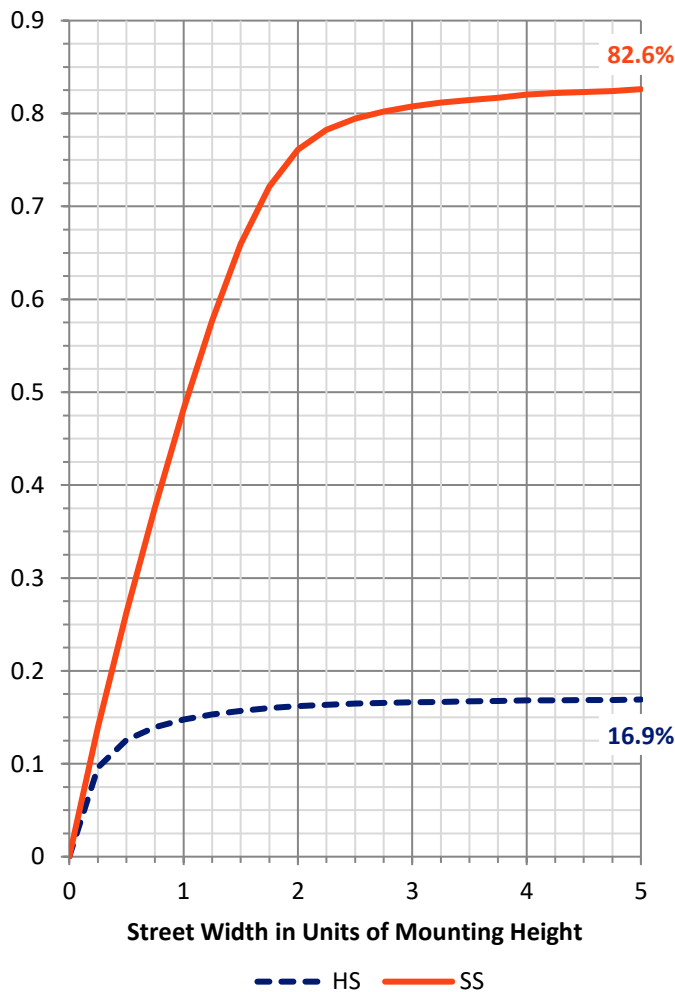
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	470.0	0.0	470.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2278.2	0.0	2278.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	2748.2	0.0	2748.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	2.4
10°-20°	146.9	5.3
20°-30°	188.1	6.8
30°-40°	247.2	9.0
40°-50°	358.6	13.0
50°-60°	559.5	20.4
60°-70°	732.5	26.7
70°-80°	405.0	14.7
80°-90°	44.9	1.6
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°	2748.2	100.0
0°-180°	2748.2	100.0

Coefficient of Utilization



REPORT NUMBER: P628798

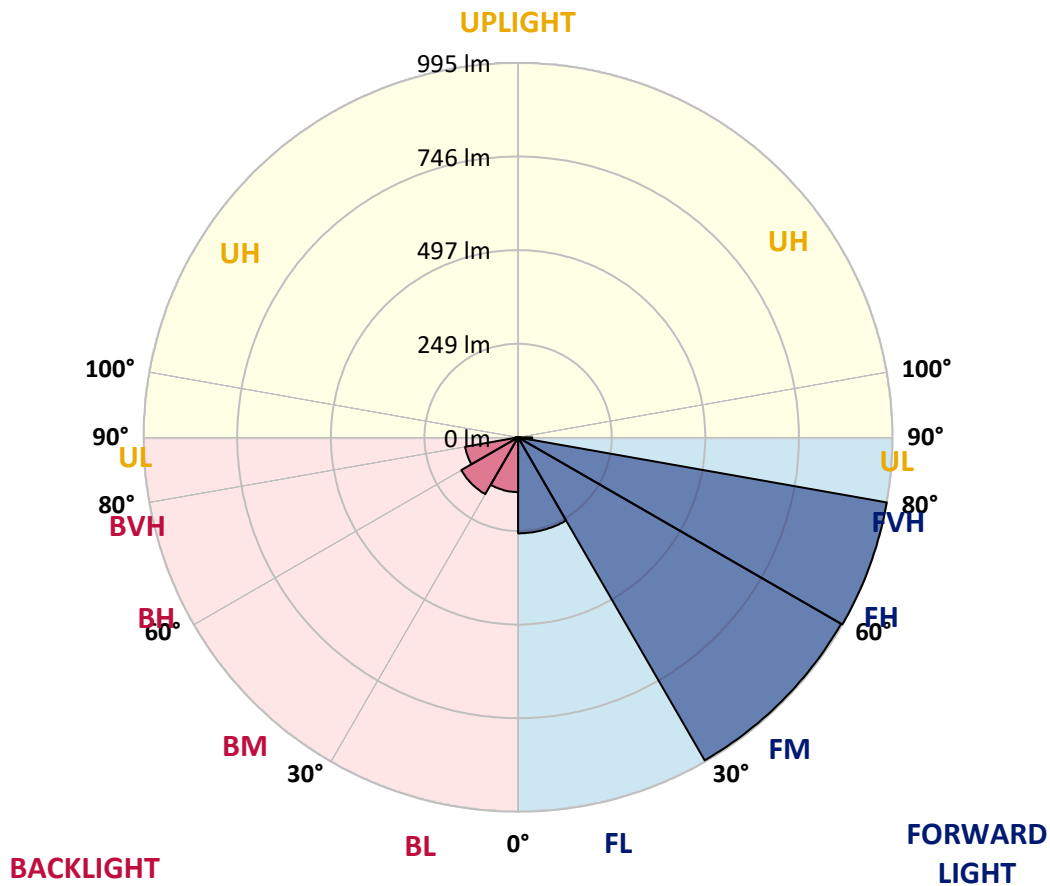
CATALOG NUMBER: GWS-SA1A-735-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.1	9.3			
FM (30°-60°)	991.0	36.1			
FH (60°-80°)	994.7	36.2			G1/1800
FVH (80°-90°)	37.5	1.4			G1/100
BL (0°-30°)	145.4	5.3	B1/500		
BM (30°-60°)	174.3	6.3	B0/220		
BH (60°-80°)	142.8	5.2	B1/500		G1/500
BVH (80°-90°)	7.5	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 III Medium





REPORT NUMBER: P628798
 CATALOG NUMBER: GWS-SA1A-735-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5
2.5°	749.8	750.6	752.8	756.0	759.3	760.9	764.9	763.7	762.9	761.3	759.3
5°	716.6	718.2	720.2	726.5	733.5	739.1	748.2	749.2	749.6	750.4	747.2
7.5°	674.4	674.8	679.6	687.9	697.1	706.8	721.9	726.1	729.7	733.7	731.1
10°	627.8	628.8	632.4	644.2	660.1	674.4	694.7	701.7	709.4	718.2	714.6
12.5°	589.5	589.8	595.6	608.2	625.5	644.8	670.2	678.6	688.7	702.6	699.3
15°	559.2	559.2	564.6	575.5	595.4	618.1	648.3	659.1	672.8	691.5	685.9
17.5°	535.1	535.3	538.7	550.1	567.8	593.0	628.8	643.4	658.5	683.3	674.8
20°	522.4	521.4	522.0	529.0	544.1	568.4	609.3	626.3	646.7	677.6	664.8
22.5°	521.8	520.0	517.4	518.0	526.8	546.9	588.3	609.1	634.6	673.0	654.5
25°	532.0	530.0	525.4	520.2	519.4	531.4	568.6	592.2	622.1	671.0	644.6
27.5°	549.3	547.9	541.9	534.1	525.8	525.4	553.8	578.3	613.1	673.0	637.6
30°	572.3	569.8	566.0	556.0	543.5	530.6	547.9	570.8	607.0	679.4	634.6
32.5°	598.2	596.8	593.2	583.1	569.8	549.3	552.6	572.5	607.0	690.7	635.2
35°	625.7	625.5	625.5	618.9	604.2	578.7	570.8	586.1	616.3	708.8	641.6
37.5°	652.5	652.3	658.7	661.1	644.4	616.9	602.0	613.5	636.6	735.5	657.5
40°	674.2	675.0	689.1	701.1	691.9	666.4	645.4	651.3	669.6	773.5	685.3
42.5°	696.1	698.3	719.4	740.8	744.4	722.3	701.1	704.6	716.8	823.8	726.7
45°	720.0	721.1	750.6	780.4	797.9	784.8	767.5	772.1	774.9	885.9	788.4
47.5°	743.2	745.8	784.0	824.8	858.0	856.8	847.1	845.7	846.3	961.5	861.4
50°	774.7	778.6	823.4	872.7	921.3	943.6	946.5	935.8	931.4	1045.6	952.3
52.5°	834.7	834.7	874.9	923.3	988.7	1044.0	1062.9	1045.4	1031.3	1134.5	1048.8
55°	909.7	912.9	944.8	984.1	1066.9	1149.5	1213.5	1194.2	1154.4	1231.2	1149.9
57.5°	943.0	947.1	997.7	1058.7	1169.2	1269.6	1358.3	1351.4	1293.3	1331.7	1254.9
60°	882.7	891.2	960.9	1063.1	1261.9	1463.2	1525.8	1505.8	1422.8	1437.3	1368.7
62.5°	736.3	745.6	823.0	965.6	1249.1	1672.5	1789.8	1716.4	1584.5	1570.6	1520.3
65°	439.3	438.9	532.0	721.1	1090.4	1730.6	2207.6	2070.7	1834.2	1753.6	1676.4
67.5°	279.3	278.7	298.2	382.0	725.7	1588.3	2476.2	2511.8	2173.4	1888.1	1689.2
70°	220.4	220.2	234.3	272.5	358.9	1130.2	2401.4	2647.7	2378.3	1836.8	1487.3
72.5°	160.7	161.1	182.8	228.2	276.9	567.4	1944.6	2265.5	2187.5	1621.5	1207.5
75°	115.4	116.0	129.1	174.7	255.4	310.3	1293.1	1703.5	1664.3	1299.7	830.6
77.5°	73.4	74.2	85.7	122.5	206.3	250.5	784.0	1202.6	1107.3	732.3	295.4
80°	44.8	47.5	57.1	91.3	164.9	188.0	391.9	633.6	554.6	200.9	99.3
82.5°	23.1	25.1	34.4	56.5	113.6	165.1	221.8	266.2	171.7	84.0	52.9
85°	7.2	8.4	12.1	22.9	54.1	102.3	146.8	132.3	78.8	39.6	24.5
87.5°	1.8	1.8	2.0	2.0	2.2	4.6	28.4	30.0	20.9	12.5	10.1
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: P628798
 CATALOG NUMBER: GWS-SA1A-735-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5	760.5
2.5°	755.2	750.4	748.4	748.2	743.2	735.9	731.1	727.7	725.7	725.3	725.3
5°	741.8	735.5	727.3	721.1	707.6	693.9	682.4	676.0	668.6	667.6	667.4
7.5°	723.9	714.8	699.1	681.6	658.1	635.4	616.1	603.0	590.0	587.5	586.7
10°	704.6	692.3	665.6	634.8	599.6	565.6	536.1	512.9	497.7	486.8	484.8
12.5°	685.5	669.2	630.0	584.1	535.9	489.4	445.0	407.2	379.8	363.9	361.1
15°	667.6	644.8	591.2	532.6	469.9	406.4	343.4	294.4	256.0	242.3	239.1
17.5°	651.3	622.9	553.6	479.4	401.1	318.1	246.5	202.9	180.4	173.5	171.9
20°	635.0	600.4	515.4	423.3	328.2	235.1	180.2	159.7	151.2	148.6	147.8
22.5°	617.5	575.7	473.7	368.0	254.4	175.9	147.4	138.3	135.7	135.9	135.7
25°	600.0	550.5	430.1	307.8	189.4	142.8	128.7	125.3	125.9	127.7	128.1
27.5°	585.5	528.2	387.3	241.9	148.0	122.9	116.2	116.0	118.2	120.6	121.0
30°	575.1	508.3	345.0	186.0	121.9	109.2	106.6	107.8	110.4	112.2	112.8
32.5°	567.6	491.2	300.0	146.2	106.8	99.5	98.3	99.5	101.1	102.9	103.4
35°	565.0	478.8	255.8	119.2	96.5	92.5	91.7	92.3	93.1	94.1	94.5
37.5°	570.8	472.5	209.5	103.8	90.3	87.9	86.7	86.3	86.5	86.9	87.1
40°	588.1	475.3	171.7	94.7	86.3	84.0	82.0	81.2	81.0	81.4	81.2
42.5°	617.9	487.2	144.4	89.5	83.0	79.8	77.6	76.8	76.8	77.8	77.8
45°	661.5	510.5	124.7	85.7	80.2	76.2	73.8	73.4	74.2	75.8	76.0
47.5°	725.5	544.7	112.8	82.8	77.6	73.0	70.6	70.4	72.0	74.6	74.8
50°	801.3	594.0	106.4	80.8	75.8	70.4	68.0	68.2	70.0	72.8	73.4
52.5°	892.6	661.1	106.8	80.0	74.8	68.8	66.4	66.0	67.8	70.6	71.2
55°	986.9	742.8	114.6	80.2	73.4	68.0	64.7	63.3	64.9	67.0	67.2
57.5°	1090.6	834.9	134.1	79.8	71.6	67.2	63.3	60.1	61.1	62.3	62.9
60°	1207.7	943.2	176.1	80.6	70.8	65.3	60.5	56.3	56.1	56.9	57.1
62.5°	1364.1	1090.6	223.4	82.0	72.6	63.1	56.3	51.9	51.1	51.5	51.7
65°	1483.7	1161.0	208.5	80.8	76.4	61.5	52.3	47.7	46.0	45.6	45.6
67.5°	1435.1	1067.9	145.2	77.6	78.2	61.7	49.1	43.2	41.2	40.2	40.0
70°	1221.1	867.4	100.9	74.4	76.2	61.3	45.6	39.6	37.0	35.6	35.4
72.5°	964.8	662.3	81.6	68.0	69.2	55.3	40.6	35.6	33.4	31.6	31.6
75°	620.9	404.2	68.2	60.5	56.5	43.0	35.2	31.8	29.6	27.7	27.7
77.5°	208.9	150.0	52.9	51.3	42.2	32.4	29.6	27.3	25.5	23.9	23.7
80°	84.9	71.2	38.8	38.8	29.6	24.7	23.1	22.1	20.9	18.9	18.9
82.5°	49.3	43.2	27.1	23.5	19.7	17.1	16.1	15.1	15.1	13.7	13.7
85°	23.7	23.9	16.3	14.5	11.3	9.9	9.5	8.8	8.6	7.8	7.6
87.5°	12.9	13.1	8.2	6.4	4.4	3.8	3.2	3.0	2.8	2.6	2.6
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)