

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: P628851

Luminaire Tested: GWS-SA1A-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-740-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

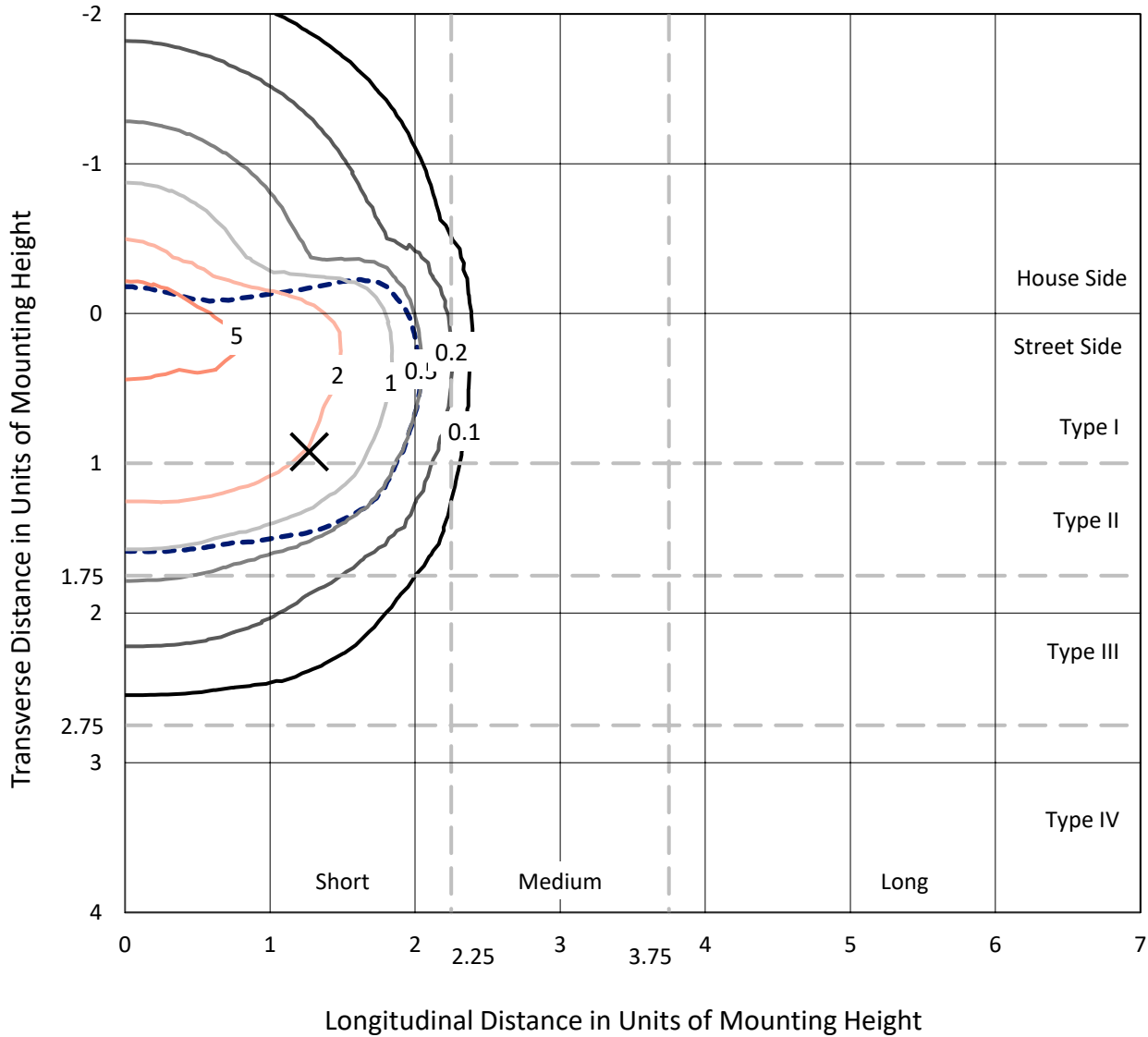
Lumens per Lamp: N/A  
Luminaire Lumens: 2381.5 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

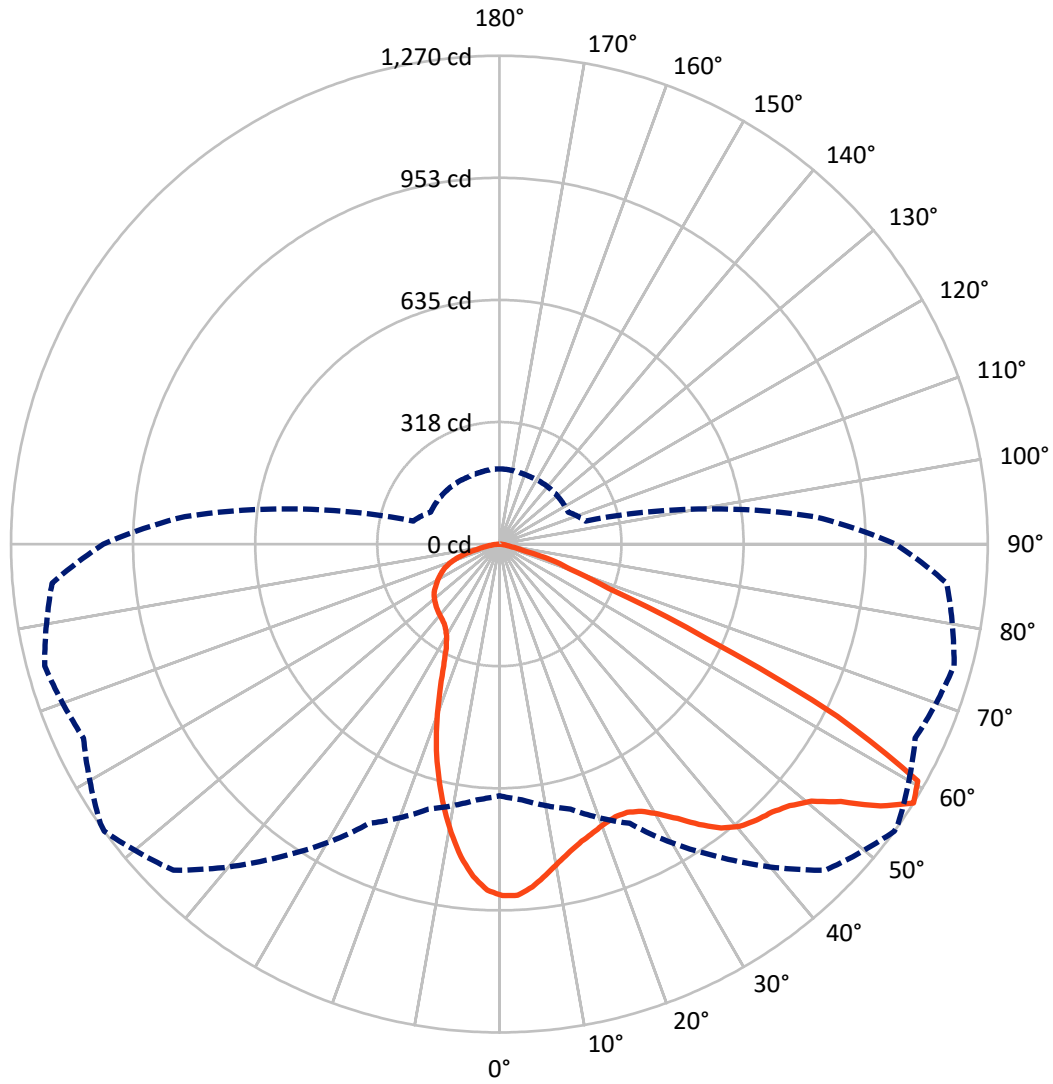
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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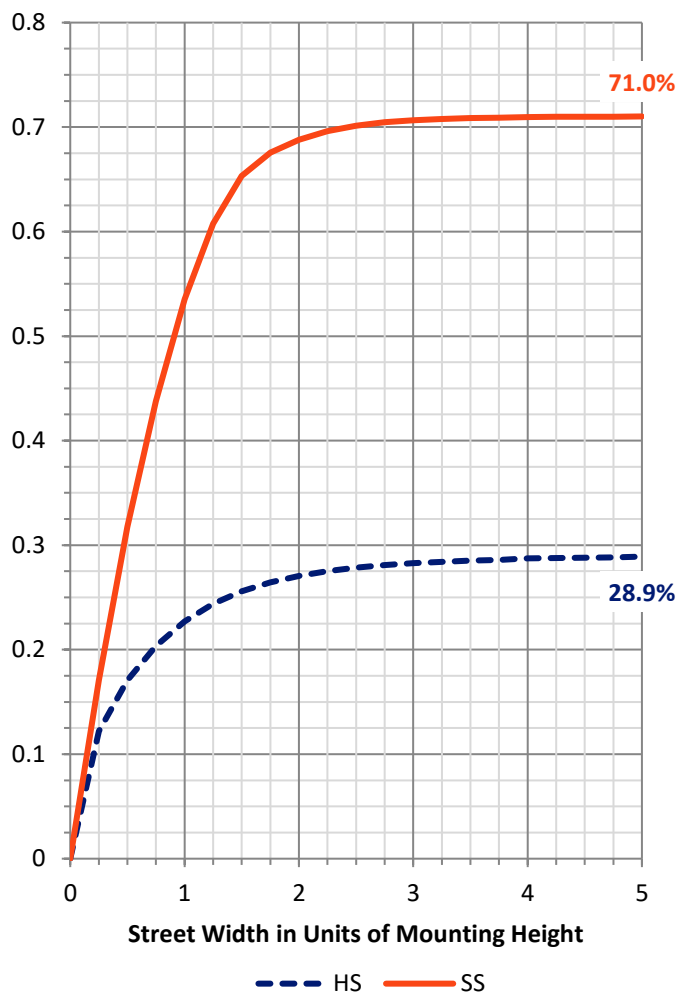
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	692.3	0.0	692.3
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	1689.2	0.0	1689.2
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	2381.5	0.0	2381.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.4	3.4
10°-20°	191.8	8.1
20°-30°	265.4	11.1
30°-40°	368.7	15.5
40°-50°	487.0	20.4
50°-60°	578.7	24.3
60°-70°	320.6	13.5
70°-80°	79.8	3.4
80°-90°	9.1	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°	2381.5	100.0
0°-180°	2381.5	100.0

**Coefficient of Utilization**



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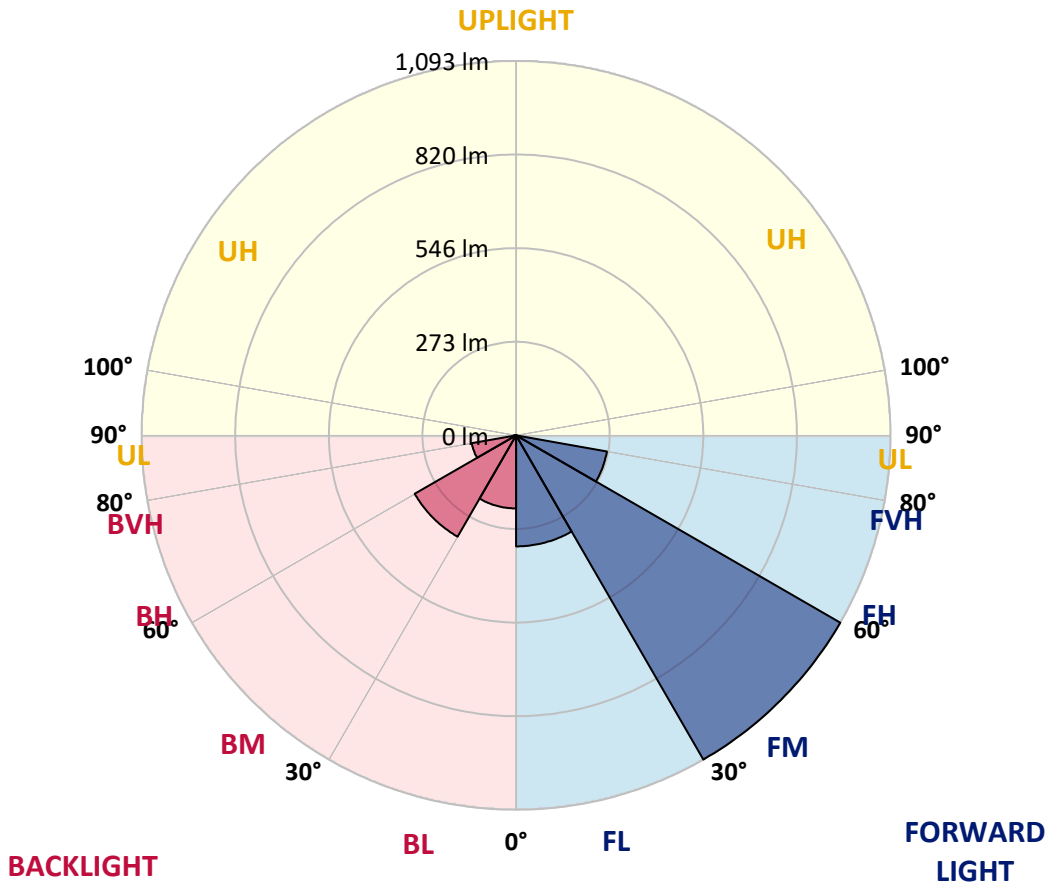
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.2	13.6			
FM (30°-60°)	1092.9	45.9			
FH (60°-80°)	269.3	11.3			G0/660
FVH (80°-90°)	2.8	0.1			G0/10
BL (0°-30°)	213.3	9.0	B1/500		
BM (30°-60°)	341.5	14.3	B1/1000		
BH (60°-80°)	131.2	5.5	B1/500		G1/500
BVH (80°-90°)	6.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3
2.5°	897.2	899.0	900.2	904.5	908.2	911.5	914.9	914.9	914.7	914.1	912.9
5°	861.7	863.8	866.6	872.5	880.5	886.2	895.6	896.4	900.4	902.1	901.3
7.5°	820.5	821.1	824.8	832.6	845.2	855.4	868.9	870.5	880.3	886.0	885.0
10°	775.5	773.4	780.0	791.4	807.9	825.0	842.3	843.8	859.5	870.3	869.5
12.5°	734.3	734.5	741.0	754.9	775.5	796.7	819.9	823.2	842.6	856.4	855.0
15°	699.9	700.7	708.6	724.3	747.8	773.0	802.0	805.0	829.5	847.9	843.8
17.5°	672.3	673.1	680.1	698.0	723.1	753.7	788.9	792.0	822.4	844.2	835.8
20°	653.4	653.0	659.7	676.8	702.7	735.9	777.5	782.0	820.1	845.6	830.5
22.5°	645.6	645.4	650.3	664.4	688.6	722.3	770.6	776.7	822.6	851.9	827.3
25°	649.5	648.7	653.0	663.4	682.7	717.0	772.6	779.2	833.0	865.0	827.9
27.5°	661.5	660.5	664.2	673.6	688.2	722.5	786.9	794.4	855.0	888.8	836.0
30°	679.9	679.3	682.9	691.9	704.7	740.8	814.2	822.8	889.0	925.9	853.8
32.5°	701.3	700.3	706.8	717.2	732.1	774.3	850.9	862.1	929.4	973.6	883.5
35°	725.3	724.5	733.5	748.6	770.0	820.7	895.4	907.6	970.6	1027.7	923.1
37.5°	748.8	748.8	766.1	788.5	815.4	871.3	937.1	944.9	999.1	1075.6	965.5
40°	769.6	770.8	796.9	830.5	864.8	917.0	964.7	971.2	1011.8	1108.6	1002.4
42.5°	792.6	793.6	824.0	868.0	908.8	953.9	981.4	984.6	1014.2	1125.1	1028.5
45°	811.0	812.4	850.1	897.2	947.1	981.6	994.6	997.5	1017.7	1134.1	1047.4
47.5°	820.5	822.6	865.8	920.6	973.0	1006.5	1016.4	1017.7	1031.9	1149.8	1070.3
50°	818.9	823.0	871.7	932.3	992.2	1031.5	1051.5	1053.5	1061.1	1172.8	1097.0
52.5°	833.4	835.2	884.3	946.1	1019.5	1077.8	1112.5	1115.3	1111.9	1190.1	1112.9
55°	809.3	818.1	868.6	944.1	1061.1	1149.4	1202.8	1201.3	1157.9	1209.5	1139.4
57.5°	654.6	667.4	713.7	801.4	992.6	1199.5	1270.3	1266.8	1193.6	1224.4	1168.1
60°	453.2	455.2	497.0	559.2	766.1	1059.7	1250.5	1258.0	1200.1	1205.6	1114.9
62.5°	362.5	361.9	365.7	367.4	487.2	744.9	987.1	1014.6	997.1	939.4	790.2
65°	309.5	311.7	323.1	317.2	318.0	419.5	589.8	593.6	581.4	560.6	417.9
67.5°	242.2	246.1	266.2	289.3	281.9	270.1	306.0	304.2	239.7	185.5	153.3
70°	151.7	154.1	175.7	227.1	245.4	221.8	196.7	195.9	128.4	105.6	115.8
72.5°	88.5	88.9	95.0	126.6	162.9	151.7	144.7	139.4	82.6	84.2	92.3
75°	48.7	48.7	48.5	54.6	64.2	56.9	55.0	53.6	55.2	62.6	68.7
77.5°	10.2	10.4	11.0	14.5	18.8	22.8	28.7	28.9	36.1	41.8	46.7
80°	4.7	4.9	6.1	7.7	10.0	13.3	17.5	17.7	21.8	26.3	29.6
82.5°	2.4	2.7	3.3	4.1	5.3	6.9	9.8	9.8	13.0	15.5	17.5
85°	0.8	0.8	1.2	1.6	2.2	2.9	3.9	3.9	5.7	7.5	8.8
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.2	2.0
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°	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3	914.3
2.5°	910.2	903.9	904.1	905.3	901.5	895.6	891.7	886.8	883.7	883.1	885.4
5°	897.2	889.8	884.8	879.5	868.4	855.4	845.2	836.8	831.3	829.3	826.9
7.5°	879.2	869.7	856.8	841.9	822.0	798.7	782.4	767.1	756.5	753.5	752.0
10°	861.3	847.4	824.6	796.9	763.7	732.3	702.7	680.1	662.1	651.9	655.2
12.5°	842.8	825.6	790.0	747.4	701.1	653.8	615.0	577.5	548.6	534.1	529.8
15°	826.4	803.2	753.5	695.8	634.2	574.7	518.6	462.4	425.7	405.7	400.2
17.5°	812.6	782.4	714.9	643.2	569.6	484.8	415.9	363.7	338.6	327.6	326.8
20°	798.9	762.0	676.8	586.5	495.0	400.0	338.4	313.9	305.0	301.1	300.9
22.5°	786.7	740.6	636.7	529.8	420.8	336.2	302.3	291.7	289.3	289.3	288.9
25°	776.3	719.2	595.5	469.7	353.7	299.3	283.6	279.1	280.1	281.9	282.1
27.5°	772.0	702.5	555.7	407.9	307.4	277.9	270.7	270.1	273.0	275.8	276.2
30°	776.5	691.1	515.0	348.8	279.7	264.8	261.6	262.8	266.2	269.1	269.1
32.5°	790.4	685.4	473.4	305.6	263.6	255.6	254.6	255.8	258.5	260.1	260.3
35°	813.8	687.6	430.3	276.4	253.2	248.9	248.7	249.5	250.5	251.6	251.8
37.5°	843.4	697.6	384.3	259.5	246.5	244.0	243.6	243.4	243.6	243.6	243.8
40°	872.3	712.7	343.1	249.5	241.8	239.7	238.7	237.3	237.1	236.7	236.5
42.5°	893.7	724.3	310.3	242.4	237.5	235.1	233.8	231.6	231.4	231.2	231.0
45°	909.8	734.1	283.0	235.5	233.0	230.8	228.1	226.1	226.5	226.9	226.9
47.5°	928.0	742.7	263.0	228.9	227.5	225.3	222.0	220.6	222.0	223.4	223.4
50°	950.0	754.7	246.7	222.4	221.8	219.1	216.3	215.7	217.3	219.4	219.4
52.5°	966.1	765.1	235.1	215.9	215.9	212.4	210.0	209.8	211.6	213.6	213.8
55°	996.3	789.3	231.0	208.3	207.5	204.9	203.0	201.6	203.9	205.7	205.7
57.5°	1030.3	821.6	232.0	197.5	196.5	195.7	194.3	192.6	193.3	195.3	195.5
60°	958.1	759.2	220.8	186.7	186.1	185.7	183.9	181.0	181.8	183.5	183.7
62.5°	669.3	504.6	178.6	173.3	175.3	175.1	172.7	169.4	169.6	171.9	171.9
65°	347.4	273.0	156.8	161.0	164.1	162.9	158.8	156.0	155.5	158.4	157.8
67.5°	149.8	149.0	142.7	148.2	151.5	148.8	144.5	139.8	140.3	141.3	140.5
70°	120.7	124.4	127.0	132.9	135.6	130.7	126.0	123.3	121.1	120.9	119.5
72.5°	96.4	101.5	107.4	113.5	114.4	109.5	103.6	101.1	97.6	97.4	96.0
75°	72.6	76.9	81.5	86.4	86.4	81.7	77.9	76.7	72.6	71.4	70.1
77.5°	49.5	52.2	55.9	57.1	58.3	56.5	52.6	50.6	45.9	44.6	43.0
80°	31.2	33.0	35.3	36.1	37.3	35.1	32.0	29.8	26.5	25.5	24.7
82.5°	18.8	20.0	21.4	21.8	22.8	21.2	18.3	16.7	14.9	14.1	13.5
85°	9.6	10.2	11.0	11.2	11.0	9.4	8.4	7.5	6.3	6.1	5.7
87.5°	2.4	2.9	3.1	2.9	2.7	2.0	1.4	1.0	0.4	0.4	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)