

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: P628631

Luminaire Tested: GWS-SA1A-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628631
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1754.2 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

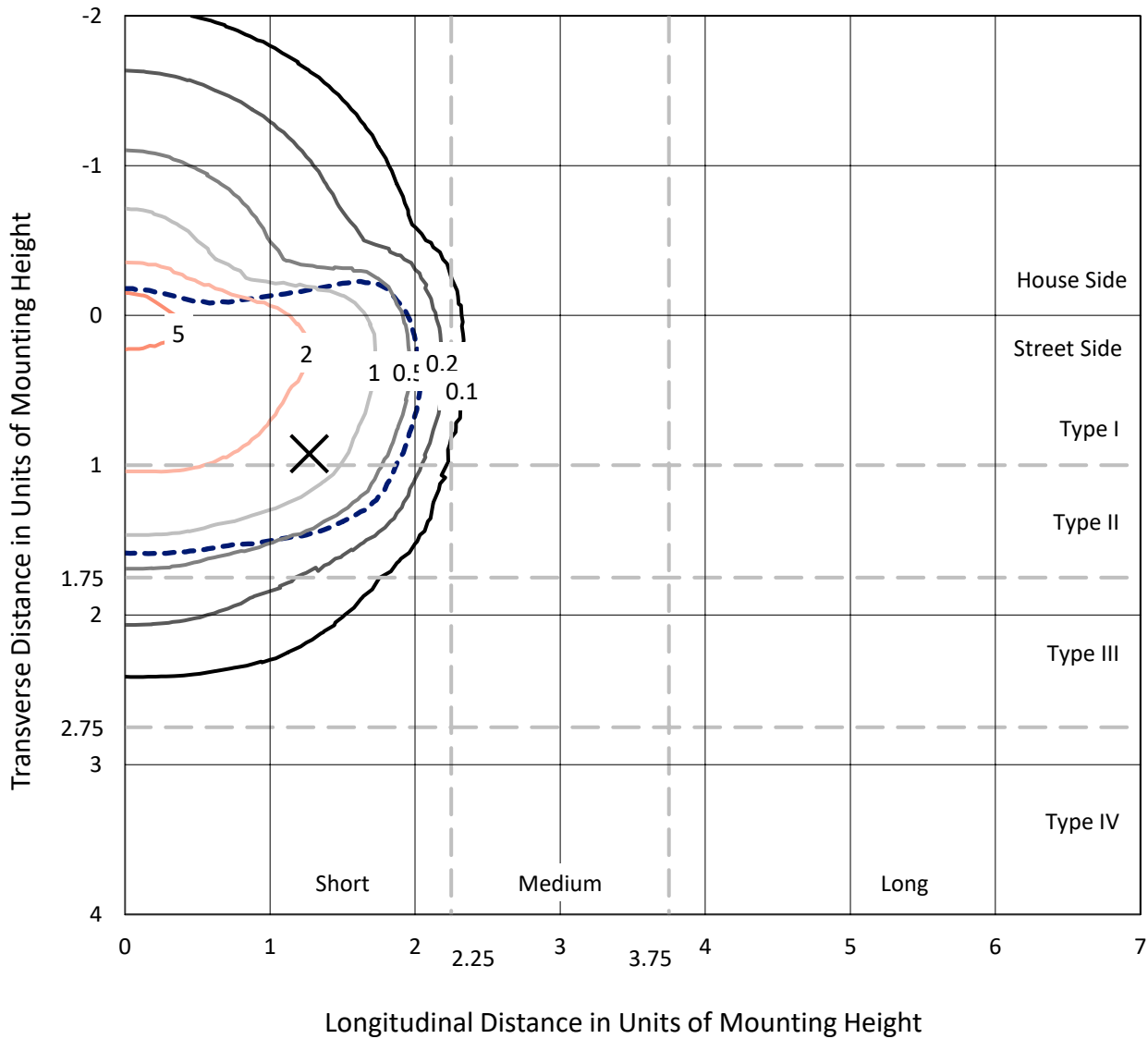
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

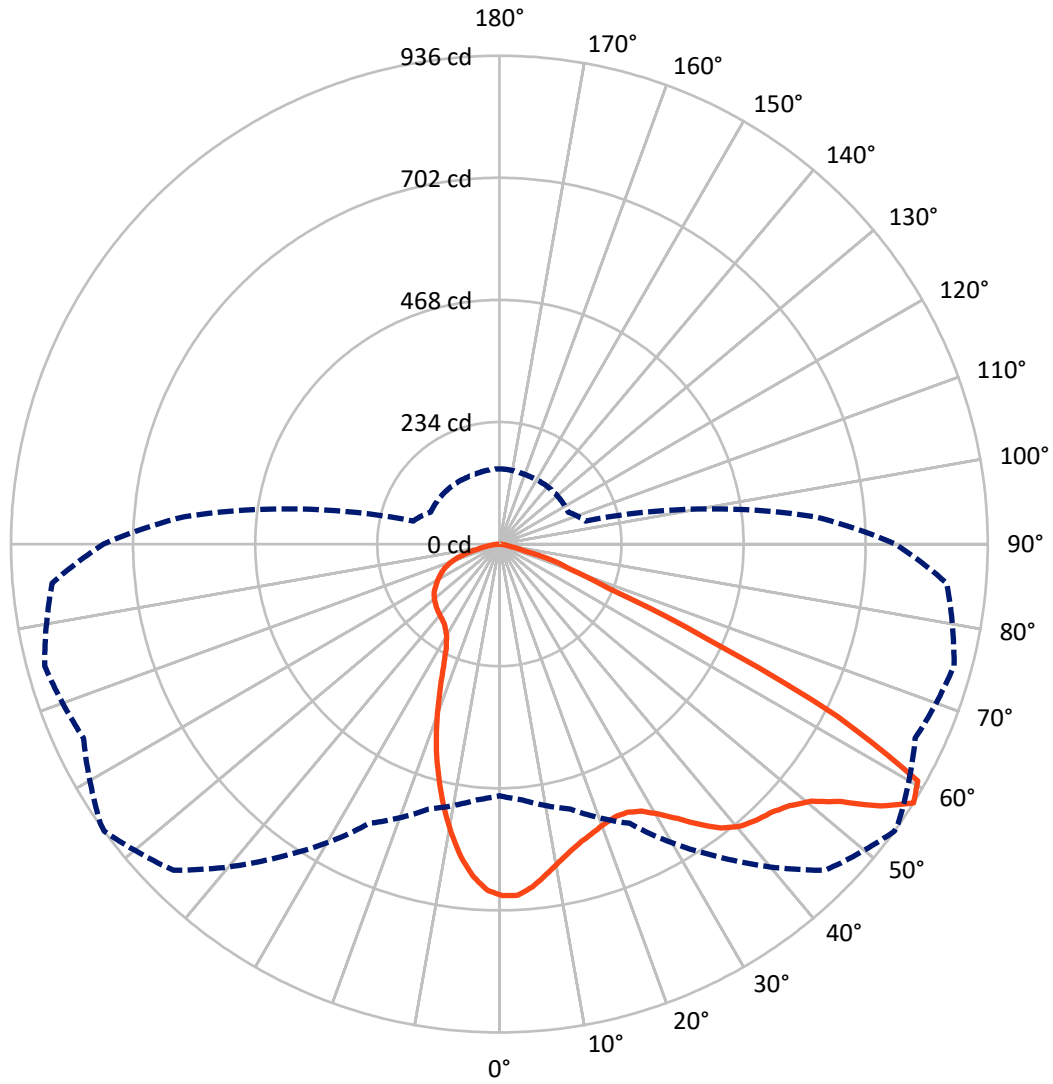
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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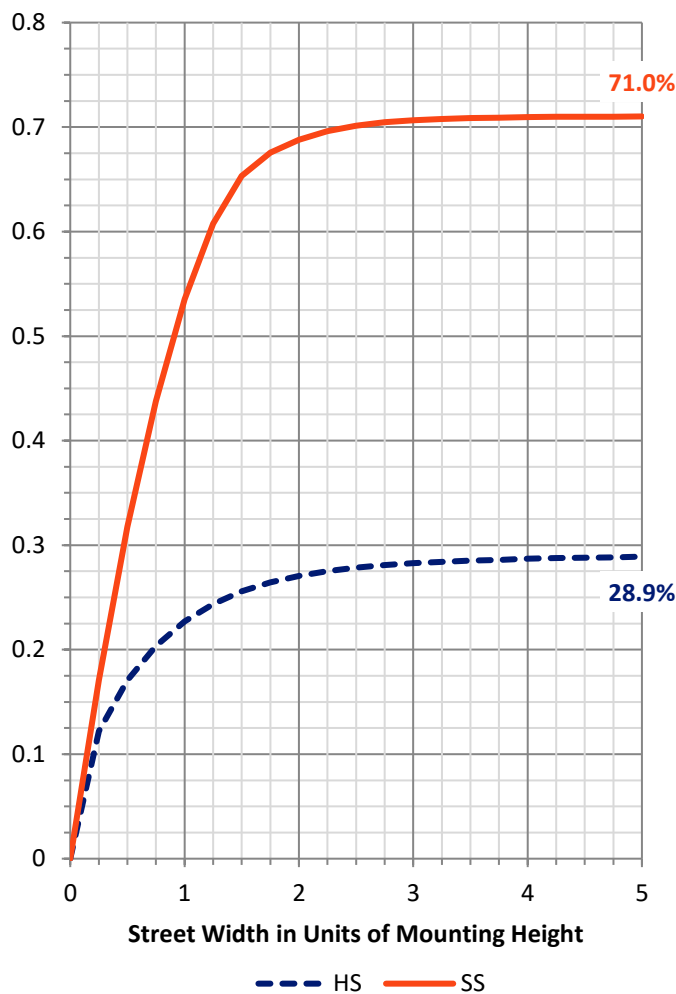
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	510.0	0.0	510.0
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	1244.2	0.0	1244.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	1754.2	0.0	1754.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	3.4
10°-20°	141.3	8.1
20°-30°	195.5	11.1
30°-40°	271.6	15.5
40°-50°	358.7	20.4
50°-60°	426.3	24.3
60°-70°	236.2	13.5
70°-80°	58.8	3.4
80°-90°	6.7	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°	1754.2	100.0
0°-180°	1754.2	100.0

Coefficient of Utilization



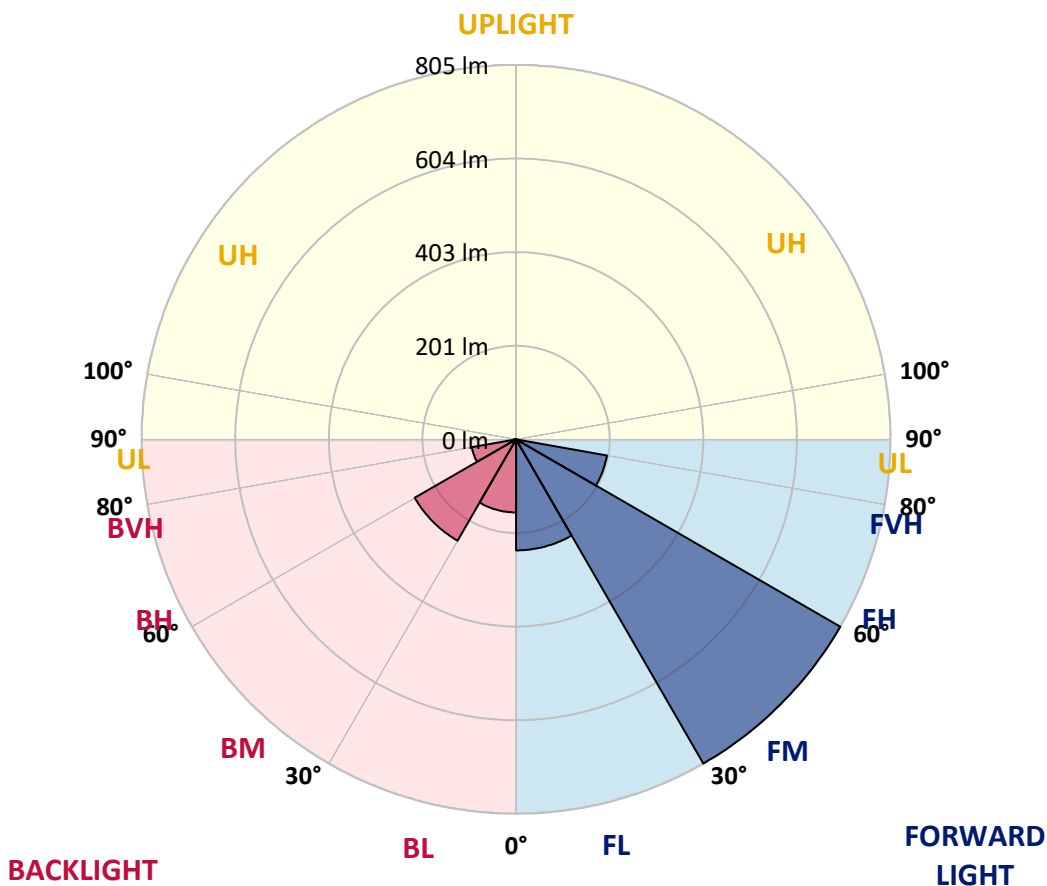
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.8	13.6			
FM (30°-60°)	805.0	45.9			
FH (60°-80°)	198.3	11.3			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	157.2	9.0	B1/500		
BM (30°-60°)	251.6	14.3	B1/1000		
BH (60°-80°)	96.6	5.5	B0/110		G0/110
BVH (80°-90°)	4.6	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5
2.5°	660.9	662.2	663.1	666.3	669.0	671.4	673.9	673.9	673.8	673.3	672.4
5°	634.7	636.2	638.3	642.7	648.6	652.8	659.7	660.3	663.3	664.5	663.9
7.5°	604.4	604.9	607.6	613.3	622.6	630.1	640.0	641.2	648.4	652.6	651.9
10°	571.2	569.7	574.5	582.9	595.1	607.7	620.5	621.5	633.1	641.0	640.4
12.5°	540.9	541.0	545.8	556.1	571.2	586.8	604.0	606.4	620.6	630.8	629.8
15°	515.5	516.1	522.0	533.5	550.8	569.4	590.7	593.0	611.0	624.5	621.5
17.5°	495.2	495.8	500.9	514.2	532.6	555.1	581.1	583.4	605.8	621.8	615.7
20°	481.3	481.0	485.9	498.5	517.6	542.1	572.7	576.0	604.1	622.9	611.8
22.5°	475.6	475.4	479.0	489.4	507.2	532.0	567.6	572.1	605.9	627.5	609.4
25°	478.4	477.8	481.0	488.6	502.9	528.1	569.1	573.9	613.6	637.1	609.8
27.5°	487.3	486.5	489.2	496.1	506.9	532.2	579.6	585.2	629.8	654.7	615.8
30°	500.8	500.3	503.0	509.7	519.1	545.7	599.7	606.1	654.9	682.0	628.9
32.5°	516.6	515.8	520.6	528.3	539.2	570.3	626.8	635.0	684.6	717.2	650.8
35°	534.3	533.7	540.3	551.4	567.2	604.6	659.5	668.5	714.9	757.0	679.9
37.5°	551.5	551.5	564.3	580.8	600.6	641.8	690.3	696.0	735.9	792.3	711.2
40°	566.9	567.8	587.0	611.8	637.0	675.4	710.6	715.4	745.3	816.6	738.3
42.5°	583.8	584.6	607.0	639.4	669.4	702.6	722.9	725.3	747.1	828.7	757.6
45°	597.3	598.4	626.2	660.9	697.7	723.0	732.6	734.7	749.6	835.4	771.5
47.5°	604.4	605.9	637.7	678.1	716.7	741.4	748.7	749.6	760.1	846.9	788.4
50°	603.2	606.2	642.1	686.7	730.8	759.8	774.5	776.0	781.6	863.9	808.0
52.5°	613.9	615.2	651.4	696.9	751.0	793.9	819.4	821.5	819.0	876.6	819.7
55°	596.1	602.6	639.8	695.4	781.6	846.6	886.0	884.9	852.9	890.9	839.3
57.5°	482.2	491.6	525.7	590.3	731.1	883.6	935.7	933.1	879.2	901.9	860.4
60°	333.8	335.3	366.1	411.9	564.3	780.5	921.1	926.7	884.0	888.1	821.2
62.5°	267.0	266.5	269.4	270.6	358.9	548.7	727.1	747.4	734.4	691.9	582.0
65°	227.9	229.6	238.0	233.7	234.3	309.0	434.4	437.3	428.3	412.9	307.8
67.5°	178.4	181.2	196.1	213.1	207.7	199.0	225.4	224.0	176.6	136.6	112.9
70°	111.7	113.5	129.4	167.3	180.8	163.4	144.9	144.3	94.6	77.8	85.3
72.5°	65.2	65.5	70.0	93.3	120.0	111.7	106.6	102.7	60.8	62.0	68.0
75°	35.9	35.9	35.7	40.2	47.3	41.9	40.5	39.5	40.7	46.1	50.6
77.5°	7.5	7.7	8.1	10.7	13.8	16.8	21.2	21.3	26.6	30.8	34.4
80°	3.5	3.6	4.5	5.7	7.4	9.8	12.9	13.1	16.1	19.4	21.8
82.5°	1.8	2.0	2.4	3.0	3.9	5.1	7.2	7.2	9.6	11.4	12.9
85°	0.6	0.6	0.9	1.2	1.7	2.1	2.9	2.9	4.2	5.6	6.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.6	0.6	0.8	0.9	1.5
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°	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5
2.5°	670.5	665.8	666.0	666.9	664.0	659.7	656.8	653.2	651.0	650.5	652.2
5°	660.9	655.5	651.7	647.8	639.7	630.1	622.6	616.4	612.4	610.9	609.1
7.5°	647.6	640.6	631.1	620.2	605.5	588.3	576.3	565.1	557.3	555.0	553.9
10°	634.4	624.2	607.4	587.0	562.5	539.4	517.6	500.9	487.7	480.2	482.6
12.5°	620.8	608.2	581.9	550.5	516.4	481.6	453.0	425.4	404.1	393.4	390.3
15°	608.8	591.6	555.0	512.5	467.2	423.3	382.0	340.6	313.5	298.8	294.8
17.5°	598.5	576.3	526.6	473.8	419.6	357.1	306.3	267.9	249.4	241.3	240.7
20°	588.5	561.3	498.5	432.0	364.6	294.6	249.3	231.2	224.6	221.8	221.6
22.5°	579.5	545.5	469.0	390.3	309.9	247.6	222.7	214.9	213.1	213.1	212.8
25°	571.8	529.8	438.6	346.0	260.5	220.4	208.9	205.6	206.3	207.7	207.8
27.5°	568.7	517.5	409.3	300.5	226.4	204.7	199.4	199.0	201.1	203.2	203.5
30°	572.0	509.0	379.3	256.9	206.0	195.1	192.7	193.6	196.1	198.2	198.2
32.5°	582.2	504.8	348.7	225.1	194.2	188.3	187.6	188.5	190.4	191.6	191.8
35°	599.4	506.5	317.0	203.6	186.5	183.3	183.2	183.8	184.5	185.3	185.5
37.5°	621.2	513.9	283.1	191.2	181.5	179.7	179.4	179.3	179.4	179.4	179.6
40°	642.5	525.0	252.7	183.8	178.1	176.6	175.8	174.8	174.6	174.3	174.2
42.5°	658.3	533.5	228.5	178.5	174.9	173.1	172.2	170.6	170.4	170.3	170.1
45°	670.2	540.7	208.4	173.4	171.6	170.0	168.0	166.5	166.8	167.1	167.1
47.5°	683.5	547.0	193.7	168.6	167.6	165.9	163.5	162.5	163.5	164.6	164.6
50°	699.8	555.9	181.7	163.8	163.4	161.4	159.3	158.9	160.1	161.6	161.6
52.5°	711.6	563.6	173.1	159.0	159.0	156.5	154.7	154.5	155.9	157.4	157.5
55°	733.8	581.4	170.1	153.5	152.9	150.9	149.6	148.5	150.2	151.5	151.5
57.5°	758.9	605.2	170.9	145.5	144.8	144.2	143.1	141.9	142.4	143.9	144.0
60°	705.8	559.2	162.6	137.5	137.1	136.8	135.4	133.3	133.9	135.1	135.3
62.5°	493.0	371.7	131.5	127.6	129.1	129.0	127.2	124.8	124.9	126.6	126.6
65°	255.9	201.1	115.5	118.6	120.9	120.0	117.0	114.9	114.6	116.7	116.2
67.5°	110.4	109.8	105.1	109.2	111.6	109.6	106.5	103.0	103.3	104.1	103.5
70°	88.9	91.6	93.6	97.9	99.9	96.3	92.8	90.8	89.2	89.0	88.0
72.5°	71.0	74.8	79.1	83.6	84.2	80.6	76.3	74.5	71.9	71.8	70.7
75°	53.5	56.6	60.1	63.7	63.7	60.2	57.4	56.5	53.5	52.6	51.7
77.5°	36.5	38.4	41.1	42.0	42.9	41.6	38.7	37.2	33.8	32.9	31.7
80°	23.0	24.3	26.0	26.6	27.5	25.8	23.6	21.9	19.5	18.8	18.2
82.5°	13.8	14.7	15.8	16.1	16.8	15.6	13.5	12.3	11.0	10.4	9.9
85°	7.1	7.5	8.1	8.3	8.1	6.9	6.2	5.6	4.7	4.5	4.2
87.5°	1.8	2.1	2.3	2.1	2.0	1.5	1.1	0.8	0.3	0.3	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)