

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: P628657

Luminaire Tested: GWS-SA1A-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

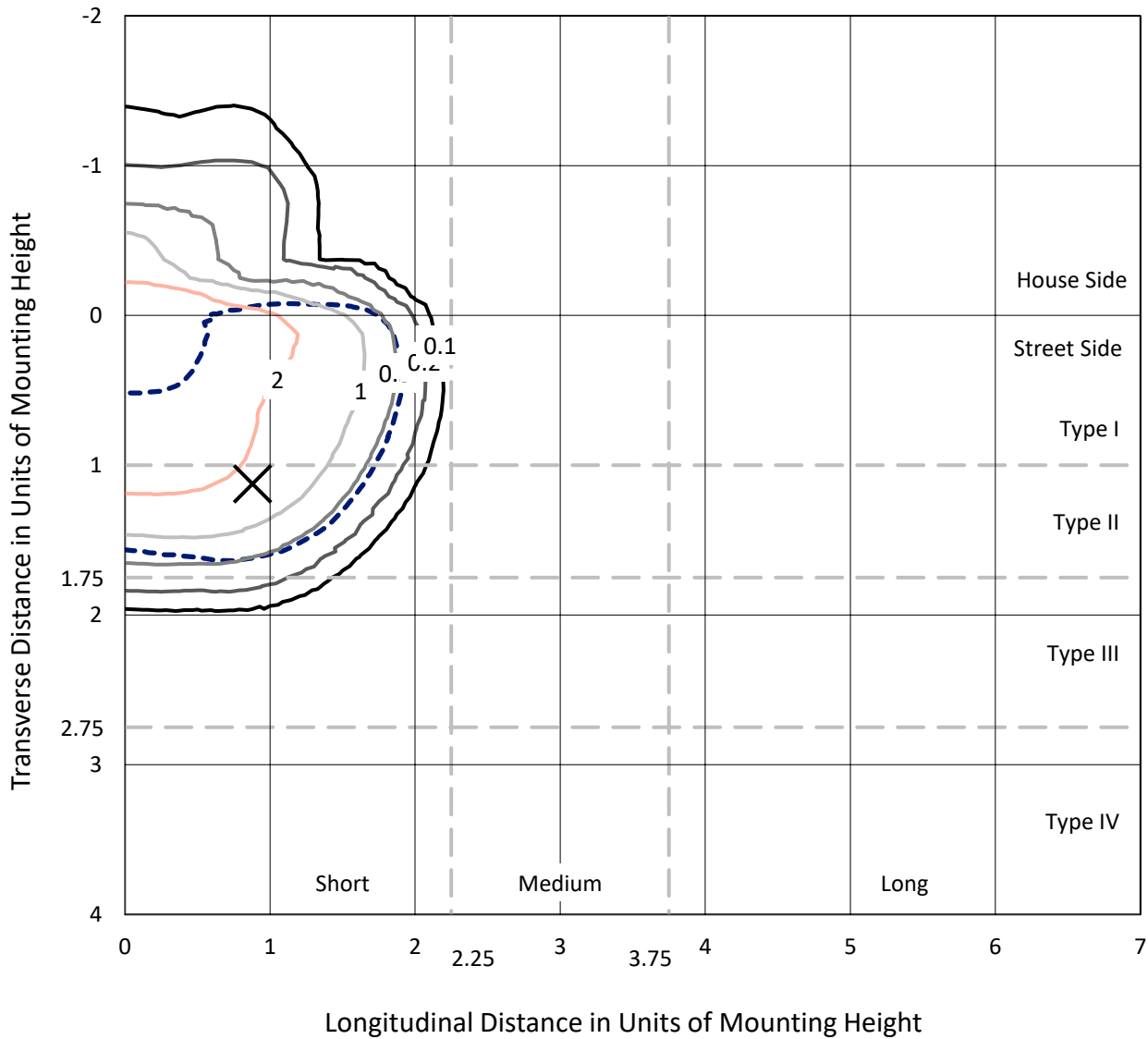
Lumens per Lamp: N/A  
Luminaire Lumens: 1313.9 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P628657  
 CATALOG NUMBER: GWS-SA1A-722-U-T3R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

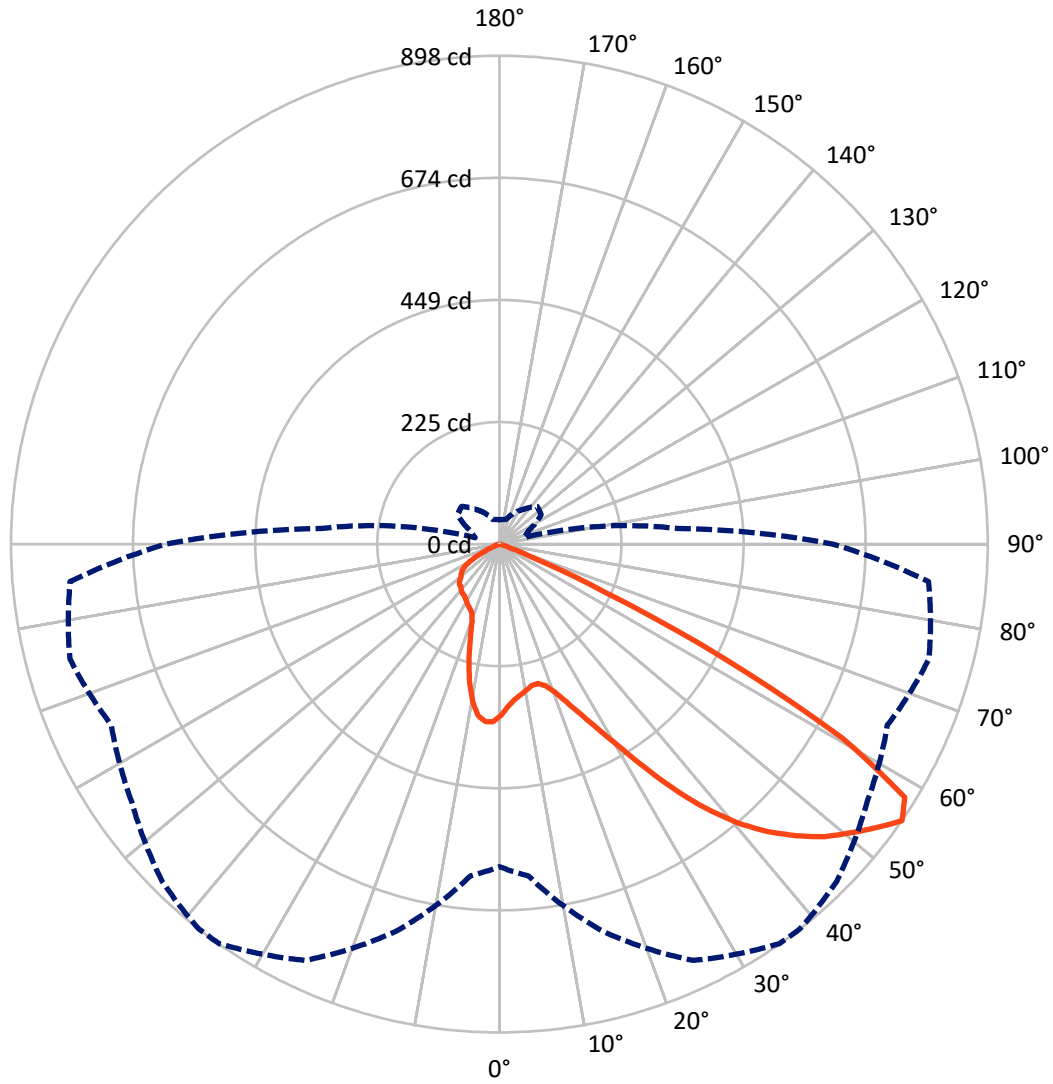
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P628657  
CATALOG NUMBER: GWS-SA1A-722-U-T3R-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P628657

CATALOG NUMBER: GWS-SA1A-722-U-T3R-W-GRSBK

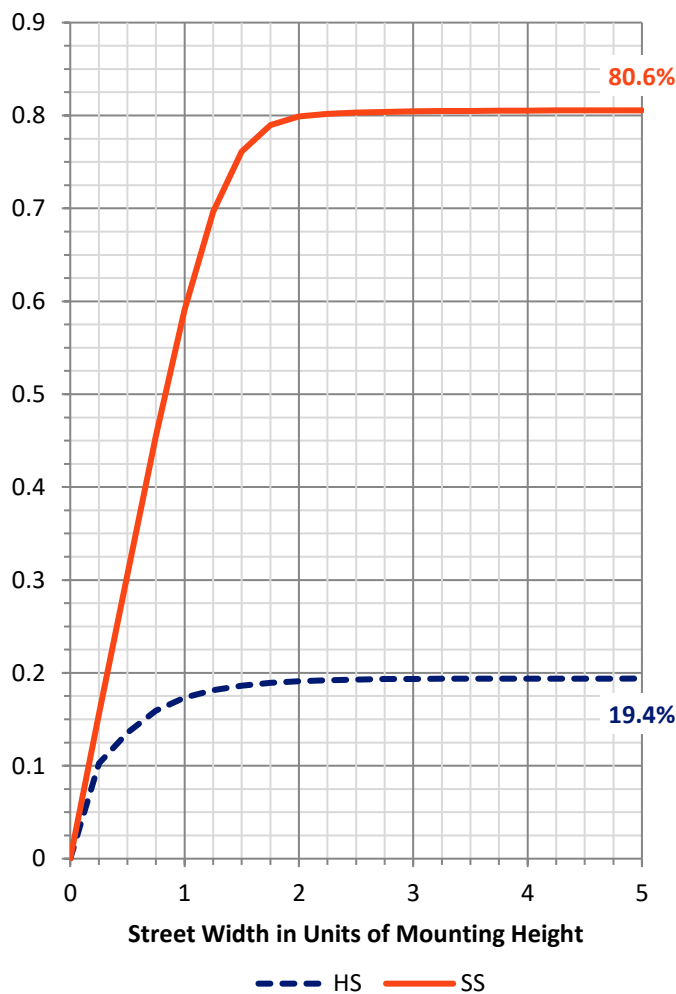
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	256.0	0.0	256.0
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	1057.9	0.0	1057.9
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	1313.9	0.0	1313.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.1	2.2
10°-20°	78.4	6.0
20°-30°	134.6	10.2
30°-40°	223.2	17.0
40°-50°	328.1	25.0
50°-60°	383.4	29.2
60°-70°	130.0	9.9
70°-80°	6.7	0.5
80°-90°	0.3	0.0
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°	1313.9	100.0
0°-180°	1313.9	100.0

**Coefficient of Utilization**



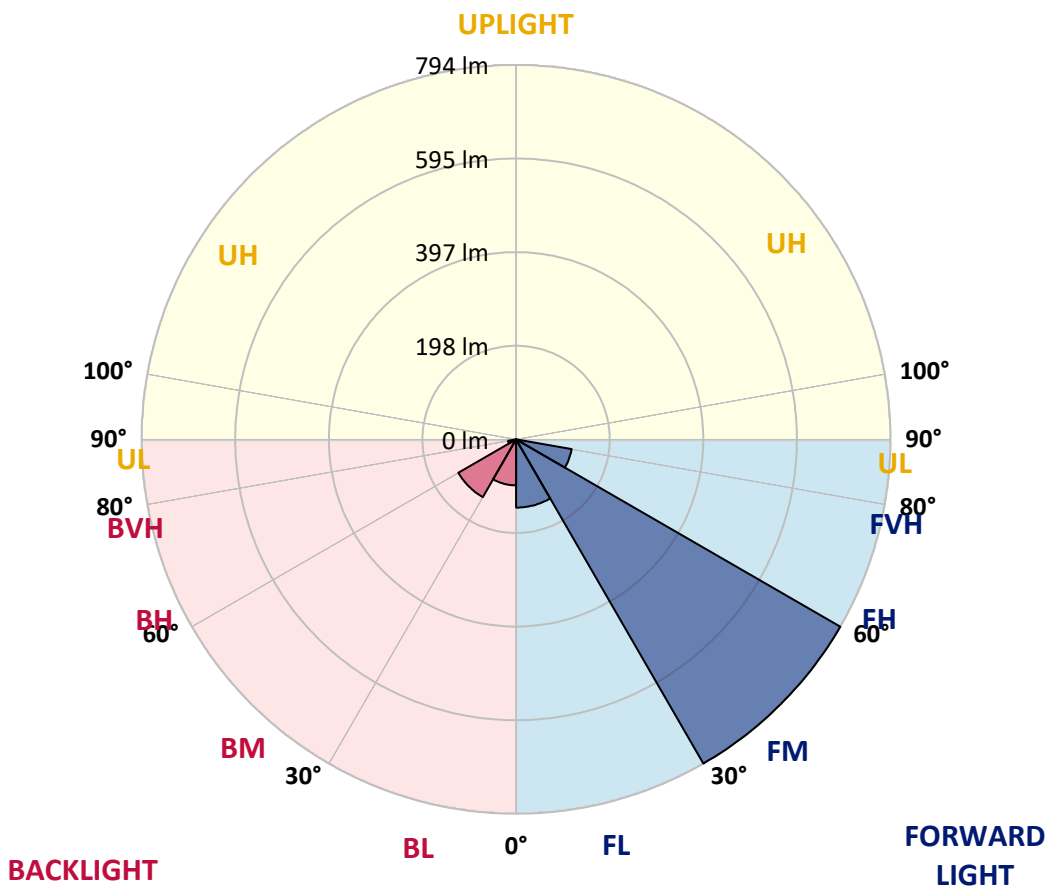
REPORT NUMBER: P628657

CATALOG NUMBER: GWS-SA1A-722-U-T3R-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.6	11.0			
FM (30°-60°)	793.5	60.4			
FH (60°-80°)	119.6	9.1			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	97.5	7.4	B0/110		
BM (30°-60°)	141.3	10.8	B0/220		
BH (60°-80°)	17.1	1.3	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**  
 Type II Short





REPORT NUMBER: P628657

CATALOG NUMBER: GWS-SA1A-722-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1
2.5°	293.4	292.8	294.0	296.4	298.7	299.4	301.7	304.8	306.8	311.5	315.2
5°	280.2	279.9	281.1	283.2	286.2	287.3	290.7	296.0	301.2	309.4	317.3
7.5°	268.2	268.1	269.9	274.5	278.9	280.2	284.4	290.9	297.9	310.4	322.1
10°	252.4	252.6	256.0	262.6	270.6	273.3	280.1	289.4	298.5	314.6	330.8
12.5°	247.3	247.6	249.4	254.5	263.3	266.7	276.2	290.3	302.0	320.6	342.1
15°	259.8	259.8	258.3	258.9	262.8	266.0	275.9	293.3	307.9	327.8	353.2
17.5°	284.0	283.1	279.3	274.2	272.9	273.9	281.9	299.7	316.1	336.2	365.8
20°	316.7	317.0	309.7	299.0	290.4	290.3	295.1	311.2	328.0	346.3	379.5
22.5°	356.4	355.2	345.4	330.8	316.0	314.8	316.7	328.6	345.1	362.2	396.3
25°	402.3	401.7	387.9	368.4	348.7	345.8	345.8	357.6	369.6	384.9	416.4
27.5°	450.4	450.4	437.0	414.5	388.3	383.2	382.5	396.3	404.3	407.3	433.4
30°	499.8	499.2	486.0	462.8	434.9	429.6	427.5	437.7	443.5	434.4	454.6
32.5°	549.9	551.0	537.6	516.1	491.2	487.8	481.3	481.3	486.0	473.3	487.9
35°	603.8	603.5	593.0	578.5	557.1	553.2	542.6	525.9	533.0	527.4	534.0
37.5°	651.4	653.7	648.6	637.8	620.5	616.6	599.0	568.8	574.3	583.0	588.8
40°	699.8	701.6	706.7	703.3	681.5	674.3	643.0	593.5	599.5	629.4	646.2
42.5°	747.3	748.2	758.5	764.2	735.1	722.5	676.4	608.5	614.8	665.7	695.1
45°	777.4	779.4	796.5	813.9	782.4	765.1	705.4	627.7	630.4	690.9	731.3
47.5°	776.2	780.7	812.9	844.6	823.1	804.5	740.2	658.5	654.0	714.7	755.2
50°	752.1	757.5	803.6	853.9	852.4	835.1	778.9	703.1	689.0	735.7	758.2
52.5°	701.9	717.5	787.2	855.1	875.9	867.2	826.8	763.2	736.3	765.9	763.0
55°	593.5	612.7	737.5	844.9	897.3	898.3	877.2	825.8	787.6	817.8	792.6
57.5°	450.5	465.8	567.6	752.1	862.0	879.3	896.7	858.8	819.3	853.3	799.5
60°	271.5	289.2	355.5	551.9	696.2	725.6	794.0	786.6	739.0	753.6	655.6
62.5°	110.1	119.4	164.1	304.1	438.2	465.7	531.2	542.3	530.6	515.7	397.7
65°	40.2	44.0	65.8	125.7	201.5	211.6	246.1	265.8	282.0	240.1	147.9
67.5°	24.9	27.3	42.8	64.6	73.3	68.2	69.4	82.7	79.0	48.8	26.4
70°	18.5	20.4	33.5	44.8	29.6	22.8	15.5	16.5	14.9	13.1	12.9
72.5°	12.8	14.6	25.1	26.4	11.4	8.1	5.7	8.0	9.0	8.9	9.2
75°	8.4	9.8	15.8	10.4	2.9	2.3	2.0	4.2	5.4	5.4	5.6
77.5°	5.0	5.7	5.6	2.1	0.6	0.6	0.5	0.8	1.2	1.4	1.7
80°	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
85°	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5
87.5°	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5
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: P628657

CATALOG NUMBER: GWS-SA1A-722-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1	315.1
2.5°	318.1	317.0	321.4	324.5	327.1	328.3	326.6	326.5	326.5	323.2	322.3
5°	321.8	322.3	328.4	331.1	331.6	330.1	326.3	323.8	322.3	318.8	316.9
7.5°	329.0	330.5	336.4	335.9	331.9	325.0	315.1	307.4	302.4	297.0	293.7
10°	339.4	342.2	345.8	339.5	326.6	309.1	288.6	274.1	265.4	259.2	255.4
12.5°	352.0	354.9	353.7	338.8	311.9	280.5	254.2	233.2	223.2	217.6	213.7
15°	364.8	366.6	358.8	329.8	285.9	243.7	214.4	193.6	181.3	176.8	173.4
17.5°	377.8	377.4	359.7	312.1	251.2	202.3	173.4	159.2	155.7	155.0	154.7
20°	391.5	387.4	356.1	286.7	209.5	161.3	144.9	145.8	152.1	155.1	155.7
22.5°	407.1	396.9	347.0	252.3	166.8	134.4	136.1	144.9	153.5	157.5	158.1
25°	423.8	405.6	332.0	208.1	131.6	123.6	133.4	143.6	152.7	157.7	158.3
27.5°	434.7	407.7	307.4	163.7	112.9	119.4	129.7	139.5	149.0	154.4	155.1
30°	446.6	406.8	273.9	126.1	106.6	115.8	124.8	133.7	142.4	148.4	149.0
32.5°	464.0	406.2	233.1	102.4	104.1	112.9	119.5	126.9	132.9	136.4	135.9
35°	486.9	405.5	185.5	92.4	102.6	110.7	115.9	119.4	112.8	110.7	111.1
37.5°	516.1	407.3	145.4	88.2	102.1	110.1	114.6	104.7	94.5	90.6	90.0
40°	548.6	411.9	110.8	86.5	103.6	111.6	109.5	93.1	80.5	72.8	71.2
42.5°	581.2	417.0	87.7	85.9	106.2	115.8	101.1	84.7	65.8	61.4	60.8
45°	605.3	416.1	75.8	84.8	108.4	118.2	98.8	72.7	58.7	56.8	56.9
47.5°	617.5	406.2	69.4	82.4	109.3	115.8	93.3	67.7	53.9	56.0	57.8
50°	611.0	380.5	63.4	77.8	107.4	112.6	84.4	64.0	51.5	60.2	64.3
52.5°	603.2	349.0	56.8	70.6	102.7	108.3	80.9	62.9	50.0	58.1	61.1
55°	613.6	329.0	46.0	59.5	93.6	98.1	78.2	62.8	46.6	45.2	44.8
57.5°	599.0	289.2	32.9	42.8	71.8	77.6	76.3	61.7	41.3	41.1	41.7
60°	463.0	176.5	22.5	27.2	44.0	49.6	69.2	59.0	35.6	32.7	32.9
62.5°	263.1	75.1	15.5	16.8	22.5	26.7	52.9	53.6	32.9	31.2	32.9
65°	91.6	26.9	12.0	11.3	12.5	14.3	30.3	41.4	29.9	27.0	27.3
67.5°	18.9	13.4	10.7	9.3	9.3	9.3	15.5	25.8	24.6	21.5	21.8
70°	12.0	11.4	9.3	8.0	7.7	7.1	8.9	14.3	17.0	15.6	15.8
72.5°	8.9	8.7	7.4	6.5	5.7	5.1	5.6	7.1	8.7	9.0	9.2
75°	5.4	5.6	4.8	4.1	3.6	3.2	3.3	3.3	3.3	3.0	3.3
77.5°	1.7	1.8	1.5	1.2	1.1	1.1	1.1	0.9	0.8	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.2	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)