

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: P628898

Luminaire Tested: GWS-SA1A-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628898  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

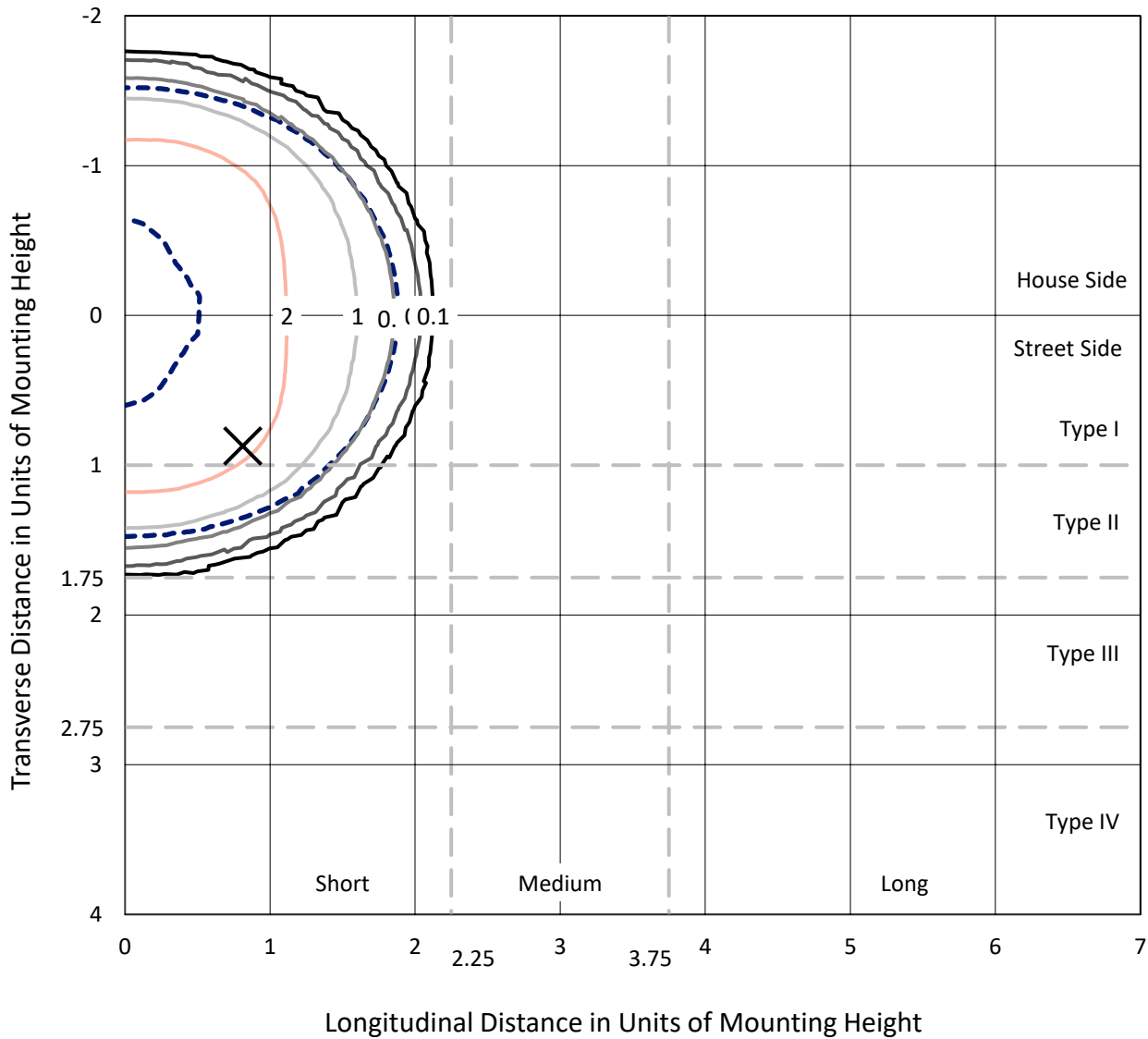
Lumens per Lamp: N/A  
Luminaire Lumens: 1885.3 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P628898  
 CATALOG NUMBER: GWS-SA1A-750-U-RW-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

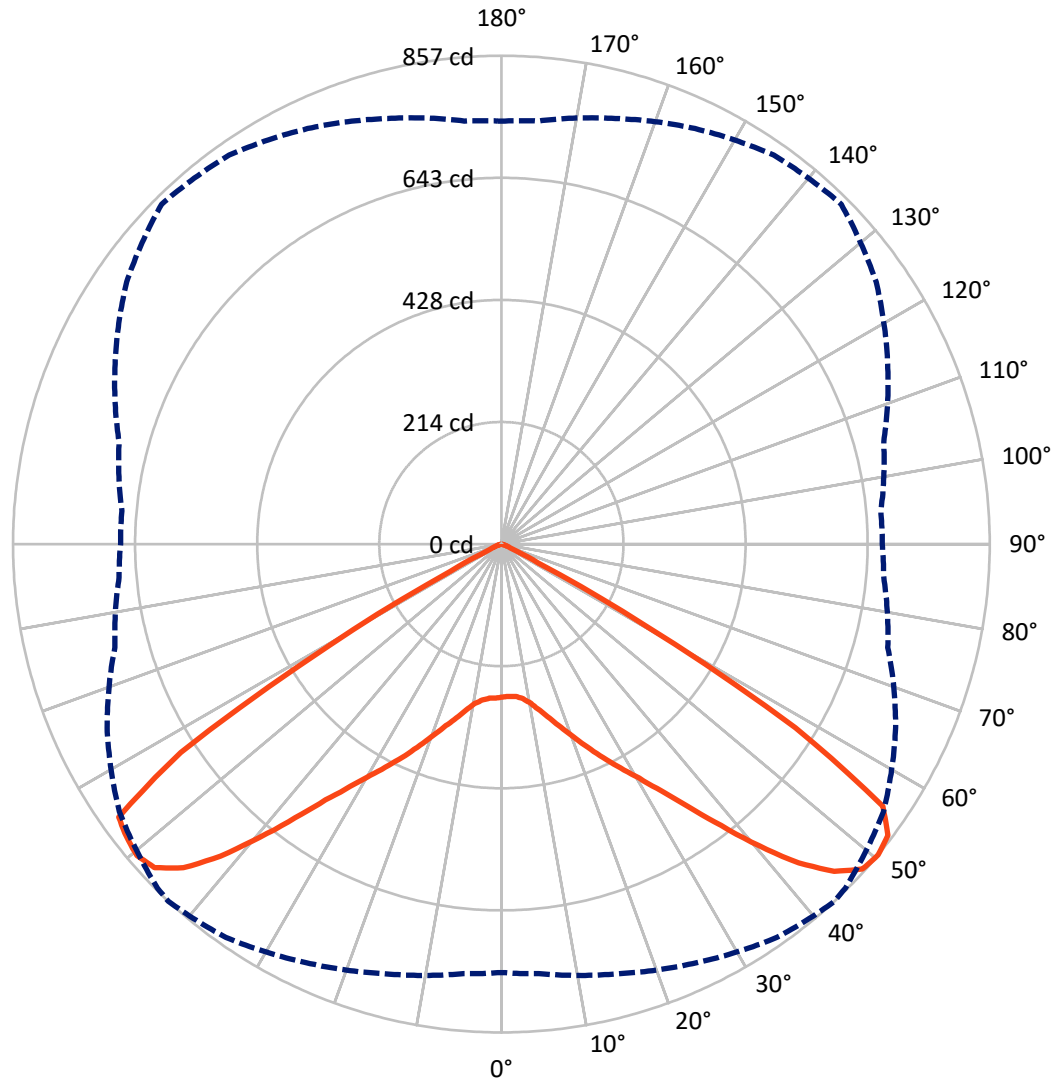
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P628898  
CATALOG NUMBER: GWS-SA1A-750-U-RW-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P628898  
 CATALOG NUMBER: GWS-SA1A-750-U-RW-W-GRSBK

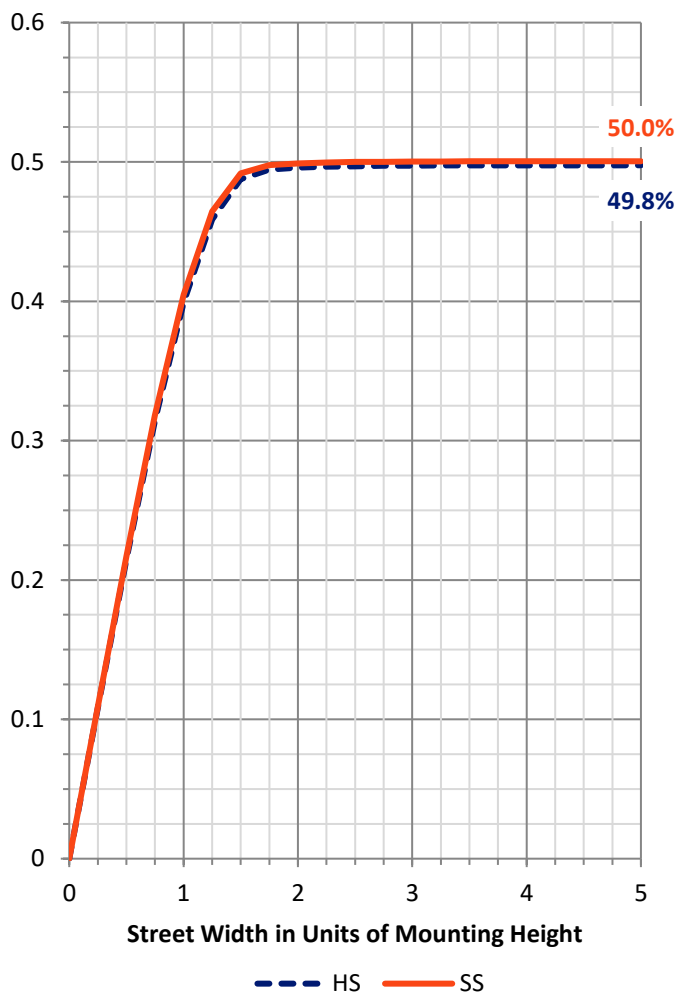
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	942.6	0.0	942.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	942.7	0.0	942.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1885.3	0.0	1885.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	1.4
10°-20°	90.9	4.8
20°-30°	183.9	9.8
30°-40°	341.1	18.1
40°-50°	566.2	30.0
50°-60°	577.9	30.7
60°-70°	94.8	5.0
70°-80°	4.1	0.2
80°-90°	0.1	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°	1885.3	100.0
0°-180°	1885.3	100.0

**Coefficient of Utilization**



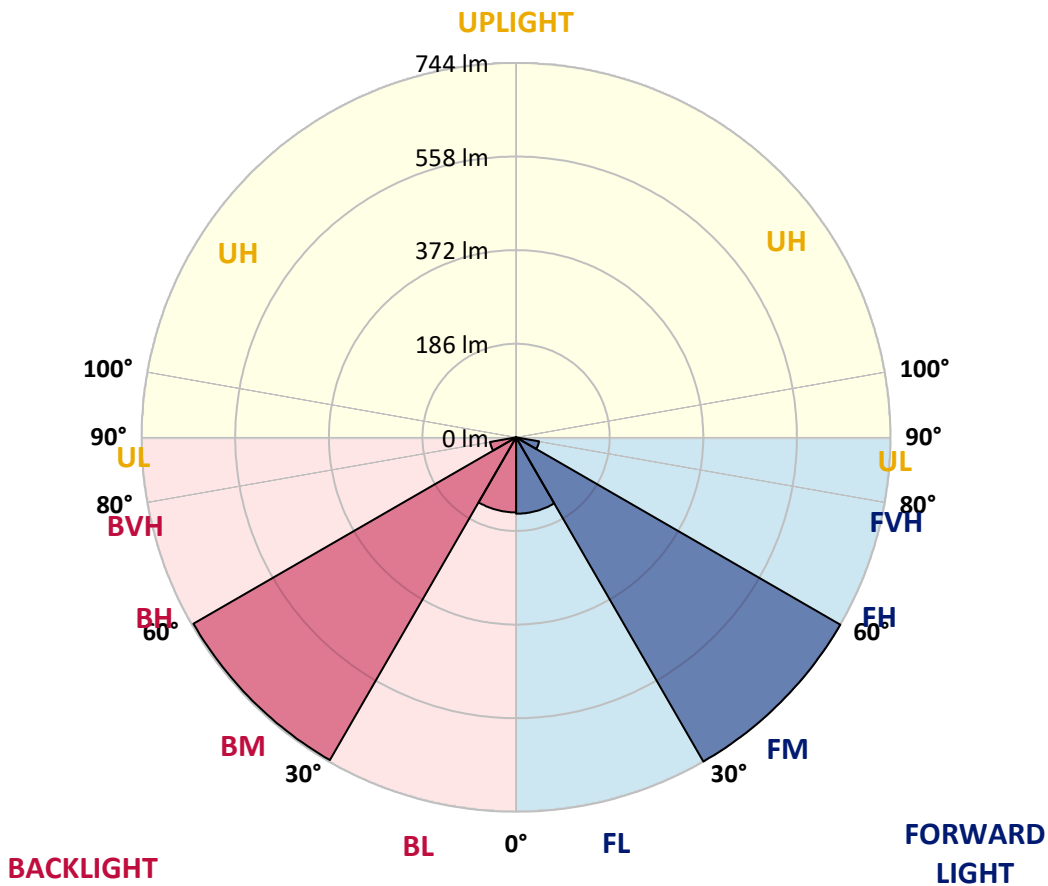
REPORT NUMBER: P628898

CATALOG NUMBER: GWS-SA1A-750-U-RW-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.9	8.1			
FM (30°-60°)	744.4	39.5			
FH (60°-80°)	46.4	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	149.2	7.9	B1/500		
BM (30°-60°)	740.8	39.3	B1/1000		
BH (60°-80°)	52.5	2.8	B0/110		G0/660
BVH (80°-90°)	0.0	0.0			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 V Short





REPORT NUMBER: P628898

CATALOG NUMBER: GWS-SA1A-750-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2
2.5°	263.1	263.8	264.6	265.4	266.5	267.5	268.2	270.0	269.6	271.3	271.3
5°	260.2	260.9	261.9	263.8	266.1	268.4	270.0	273.8	275.9	279.2	280.5
7.5°	261.7	262.5	263.8	266.7	270.2	273.8	275.7	281.7	285.9	292.1	295.7
10°	266.5	267.3	269.4	274.4	279.0	284.0	286.3	294.0	300.7	309.2	314.2
12.5°	271.9	273.0	277.1	284.6	292.6	299.2	302.4	310.9	317.8	327.4	335.3
15°	277.5	279.2	285.7	296.7	308.0	316.9	320.3	329.5	336.3	346.6	355.5
17.5°	290.7	292.6	299.8	311.7	327.2	337.6	340.5	350.1	355.3	362.2	371.6
20°	307.1	310.7	319.7	334.0	350.9	360.9	363.0	372.4	372.0	374.9	383.0
22.5°	327.6	330.1	339.9	357.0	376.0	387.0	391.8	395.8	390.6	388.1	393.3
25°	348.9	351.8	362.4	381.2	402.4	415.2	419.1	422.2	413.9	404.5	405.2
27.5°	376.4	378.5	388.9	408.9	430.2	444.6	448.1	453.5	442.5	427.5	423.3
30°	409.1	411.2	422.2	443.3	464.4	476.7	482.1	488.8	476.7	457.9	453.1
32.5°	447.5	449.6	463.7	485.4	502.7	516.1	521.3	528.4	518.8	497.7	492.3
35°	493.4	494.6	511.3	534.8	553.2	566.1	569.7	578.0	567.4	546.3	543.4
37.5°	546.5	548.0	566.1	593.4	612.2	626.6	632.2	634.5	621.6	598.0	595.7
40°	604.9	609.7	627.4	656.8	677.9	696.0	701.0	693.3	675.2	643.1	638.9
42.5°	665.8	670.0	689.8	721.7	746.1	764.6	764.8	748.2	717.3	672.9	666.6
45°	716.5	718.1	743.8	775.9	805.9	819.1	820.3	790.1	743.6	690.2	676.8
47.5°	751.3	754.0	776.3	807.2	840.3	852.2	849.7	812.0	756.1	701.5	679.4
50°	751.7	756.3	780.5	810.3	842.4	856.8	853.3	818.2	763.2	701.9	673.3
52.5°	685.2	692.7	732.1	775.3	824.5	849.1	849.9	826.4	760.5	695.2	667.9
55°	516.9	525.0	574.7	648.3	743.4	812.0	823.9	816.8	757.3	698.1	677.5
57.5°	273.6	267.3	294.8	367.8	487.3	608.7	643.5	700.2	722.5	701.7	695.2
60°	59.6	63.6	84.7	114.1	190.2	286.3	320.3	417.5	533.0	584.3	621.4
62.5°	25.6	25.2	26.3	29.8	43.6	72.6	88.6	144.7	228.3	313.6	371.4
65°	21.1	21.3	22.1	22.1	20.6	20.9	21.9	33.2	53.4	74.9	100.5
67.5°	15.8	16.1	17.5	17.9	16.9	15.0	14.8	12.5	13.1	16.5	17.1
70°	10.0	10.0	10.8	11.3	11.3	10.4	10.2	9.0	8.8	10.0	11.3
72.5°	5.4	5.4	5.8	6.0	5.8	5.6	5.6	5.4	5.2	6.0	7.7
75°	2.3	2.3	2.5	2.5	2.3	2.3	2.3	2.3	2.3	2.7	4.2
77.5°	0.4	0.6	0.8	0.6	0.4	0.4	0.4	0.6	0.6	0.8	1.3
80°	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P628898  
 CATALOG NUMBER: GWS-SA1A-750-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2
2.5°	272.7	270.4	271.3	271.7	271.1	270.7	268.4	267.7	266.7	265.0	264.6
5°	281.9	280.0	279.8	278.6	275.7	272.1	267.7	265.9	263.8	261.7	261.3
7.5°	297.3	295.1	293.6	289.4	282.8	277.1	269.8	265.9	263.1	260.4	259.8
10°	317.2	314.4	310.3	302.6	293.6	285.5	276.9	271.7	267.5	263.8	263.6
12.5°	338.2	335.3	327.8	318.0	307.1	299.6	288.8	281.5	275.2	269.6	269.0
15°	360.3	356.8	346.6	334.9	324.9	317.2	305.3	293.6	284.0	275.9	275.0
17.5°	377.2	372.8	360.7	352.0	343.8	335.9	322.6	307.1	294.4	284.6	282.3
20°	387.8	383.7	372.2	367.4	363.7	358.0	342.2	326.1	311.9	299.8	297.8
22.5°	398.1	393.1	383.0	383.0	386.0	383.7	366.6	348.2	331.5	317.6	314.4
25°	409.5	405.6	398.5	404.3	411.6	411.4	393.9	371.0	351.8	336.1	333.0
27.5°	426.2	422.2	419.7	430.8	440.0	439.3	420.2	395.4	375.1	359.7	356.8
30°	455.6	451.9	449.1	462.5	474.2	469.8	448.7	424.8	404.3	386.8	384.7
32.5°	494.8	490.9	487.3	500.7	511.1	505.4	485.4	462.9	439.3	422.2	418.1
35°	546.3	538.0	534.4	550.3	554.7	548.4	529.2	509.4	484.4	464.8	462.1
37.5°	599.5	589.7	587.2	600.9	608.0	605.7	583.2	562.6	535.5	513.8	510.7
40°	644.9	636.0	631.6	653.1	669.1	670.6	650.4	625.1	593.2	570.7	565.1
42.5°	671.6	663.9	662.9	696.2	722.5	741.3	717.1	691.0	657.5	632.0	627.4
45°	677.7	672.7	681.4	725.2	766.1	800.3	779.6	752.1	715.8	688.9	684.6
47.5°	677.1	675.4	691.0	740.2	792.0	834.1	823.9	792.8	757.8	729.6	725.4
50°	668.1	668.3	694.4	747.7	802.4	843.2	833.0	804.3	773.0	745.2	741.9
52.5°	664.5	663.3	688.1	745.5	813.0	839.1	816.1	783.8	749.0	714.8	709.8
55°	677.1	673.9	688.9	743.6	814.3	836.8	776.3	706.3	634.9	594.5	591.1
57.5°	695.8	692.5	699.6	729.8	749.0	695.8	571.3	458.3	384.9	353.9	340.3
60°	621.4	619.1	613.7	577.2	495.0	373.5	254.4	162.2	116.6	94.3	94.3
62.5°	385.5	382.4	353.0	262.3	190.6	110.3	60.7	38.0	28.8	26.9	26.7
65°	108.2	107.6	89.0	63.0	40.0	24.8	21.9	22.3	21.9	21.3	21.1
67.5°	16.3	17.9	17.9	14.6	14.0	15.6	18.3	19.6	18.6	17.5	17.1
70°	10.4	11.3	10.8	9.4	10.0	11.7	13.1	13.3	12.7	11.7	11.5
72.5°	7.3	8.1	6.7	6.0	6.3	6.9	7.5	7.5	7.3	6.9	6.5
75°	4.4	4.4	3.1	2.9	2.9	3.1	3.1	3.5	3.5	3.3	3.1
77.5°	1.5	1.7	1.0	0.8	0.8	0.8	1.0	1.3	1.3	1.0	0.8
80°	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)