

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: P629616

Luminaire Tested: GWS-SA1C-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

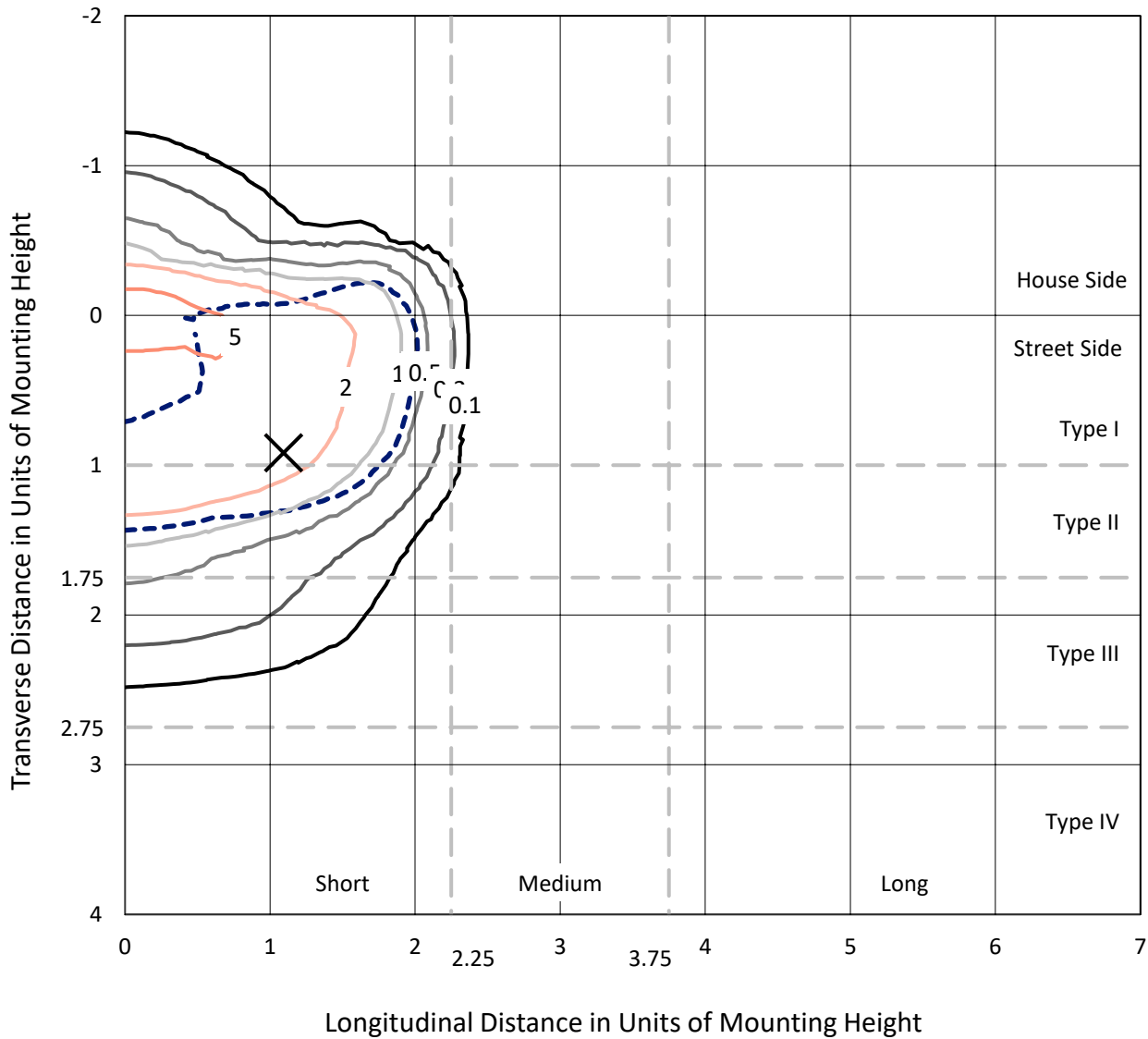
Lumens per Lamp: N/A  
Luminaire Lumens: 2078.9 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

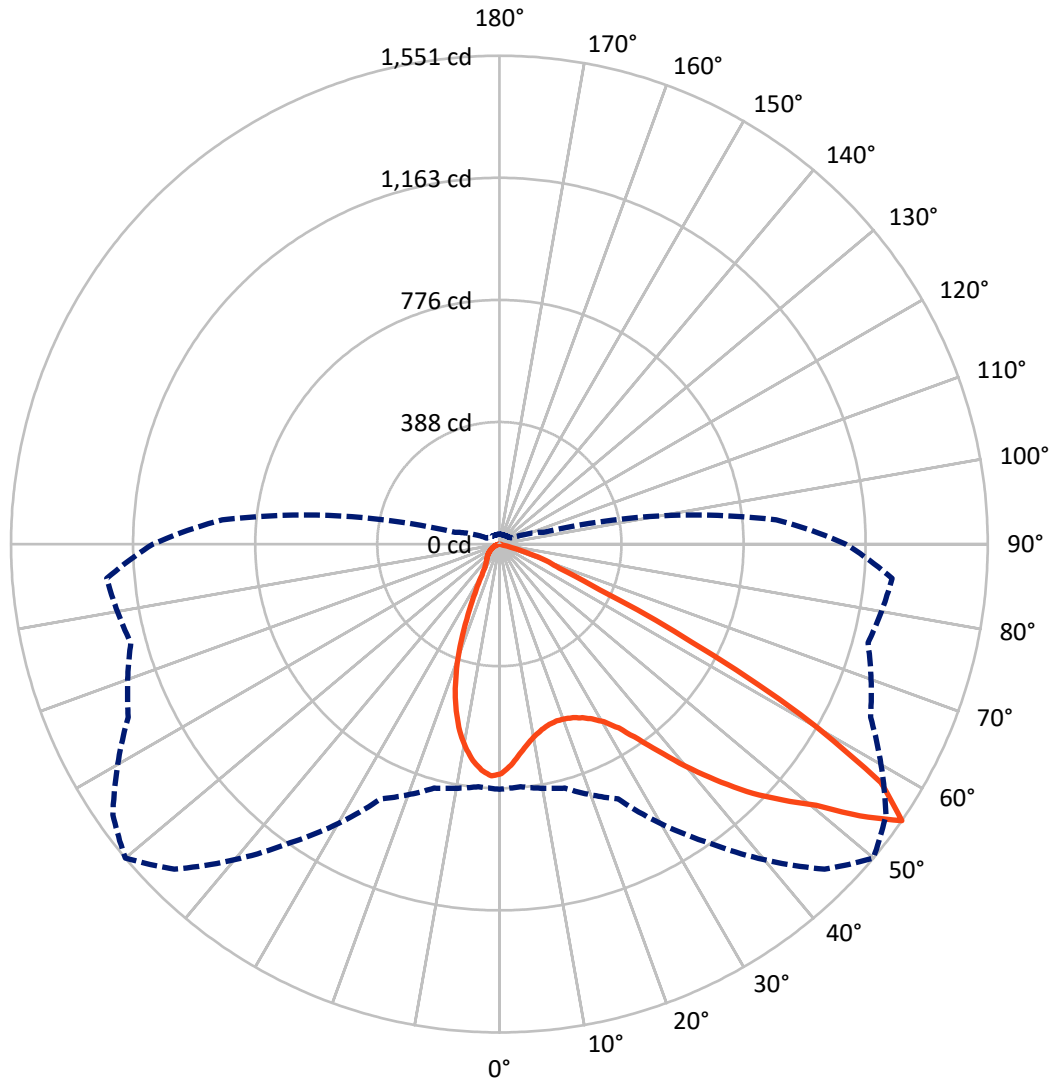
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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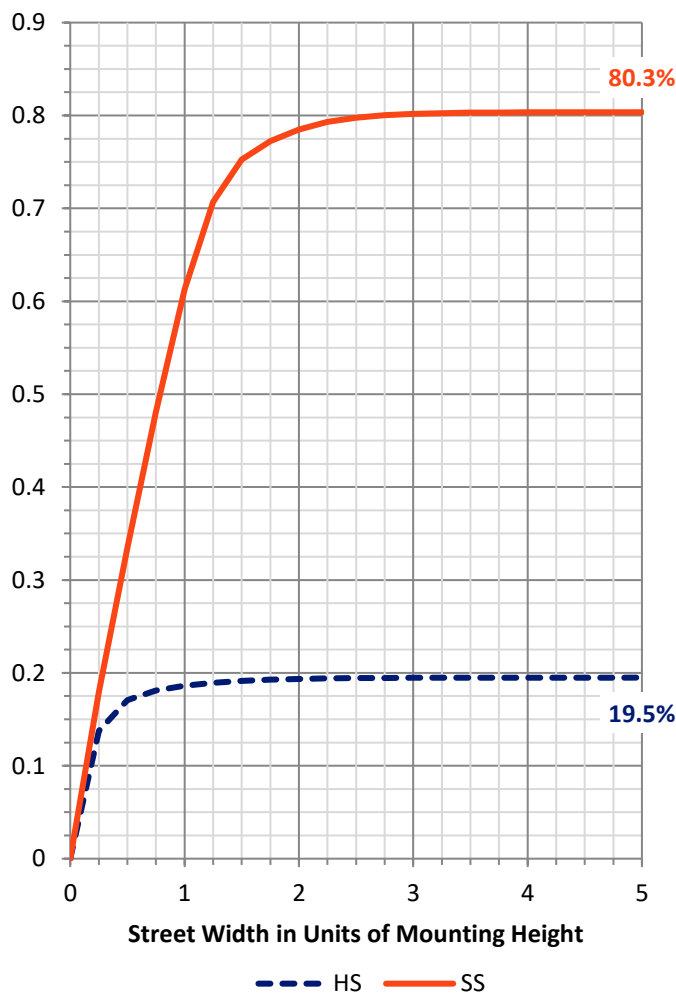
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	409.6	0.0	409.6
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	1669.3	0.0	1669.3
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	2078.9	0.0	2078.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.1	3.1
10°-20°	157.6	7.6
20°-30°	222.3	10.7
30°-40°	329.0	15.8
40°-50°	474.7	22.8
50°-60°	559.9	26.9
60°-70°	249.8	12.0
70°-80°	21.5	1.0
80°-90°	0.0	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°	2078.9	100.0
0°-180°	2078.9	100.0

**Coefficient of Utilization**



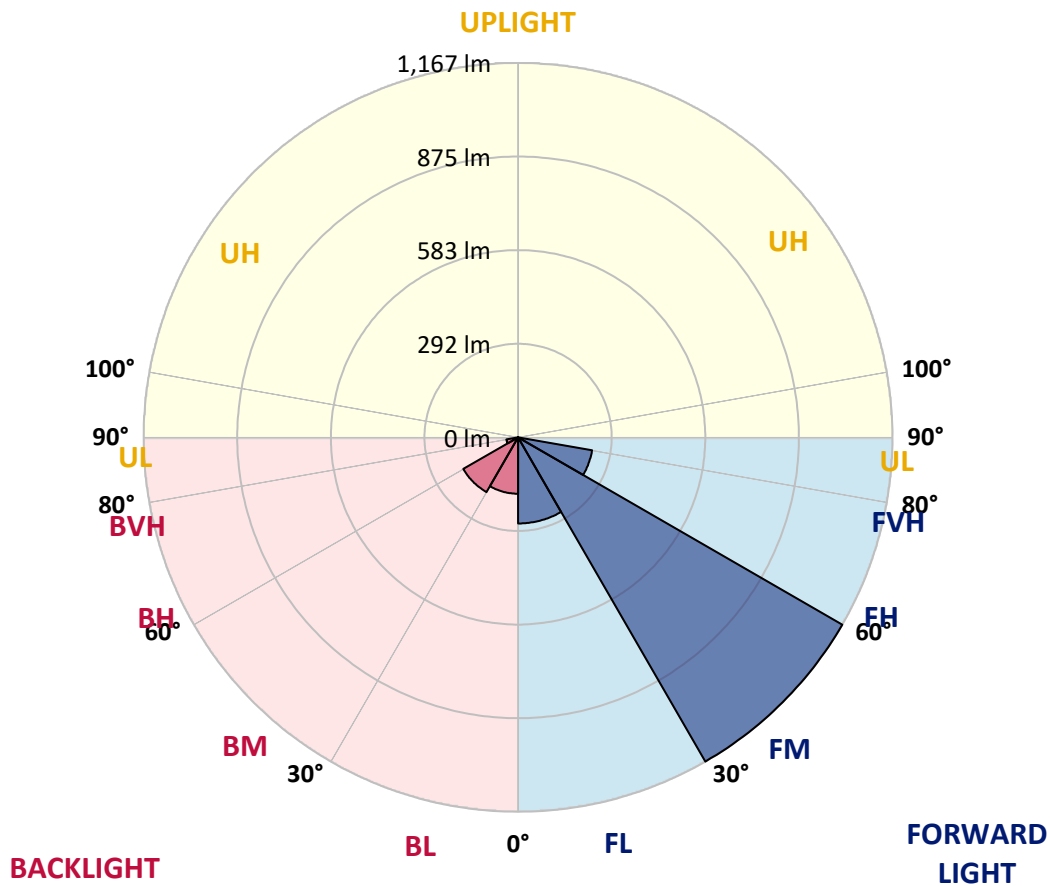
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.4	12.9			
FM (30°-60°)	1166.6	56.1			
FH (60°-80°)	234.3	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	175.6	8.4	B1/500		
BM (30°-60°)	197.0	9.5	B0/220		
BH (60°-80°)	37.0	1.8	B0/110		G0/110
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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	677.6	678.1	678.4	685.2	687.8	697.9	703.3	706.0	713.4	722.0	729.1
5°	632.2	631.4	632.7	641.3	646.9	661.9	670.0	675.6	691.8	712.1	729.1
7.5°	592.6	594.1	595.6	605.0	613.4	629.7	641.3	649.7	672.3	702.5	731.2
10°	564.7	564.7	567.0	577.6	587.5	607.6	619.2	629.9	656.8	693.9	733.5
12.5°	544.1	544.4	547.2	559.4	570.8	591.6	603.8	614.2	643.9	685.2	734.0
15°	534.5	533.7	536.0	548.9	561.6	581.2	593.9	604.0	634.7	680.4	736.5
17.5°	531.9	531.4	533.2	545.9	558.8	577.9	590.3	600.5	633.5	681.9	744.1
20°	539.3	538.3	537.5	548.4	560.6	579.4	592.3	603.8	639.6	690.3	755.8
22.5°	556.8	556.8	555.0	560.4	568.5	585.5	598.9	613.9	655.5	707.1	773.0
25°	589.0	586.5	583.2	585.5	584.5	595.1	611.1	631.9	685.7	734.7	794.1
27.5°	625.8	628.1	622.5	622.8	613.9	610.1	628.6	660.1	730.7	773.8	825.3
30°	675.8	674.1	674.3	673.6	653.0	635.0	655.0	696.9	787.3	833.4	865.9
32.5°	714.9	717.5	725.8	730.7	703.8	674.8	696.1	746.9	851.7	901.5	915.7
35°	756.3	760.9	777.9	793.6	771.0	737.8	760.6	813.1	912.4	968.7	972.8
37.5°	799.9	809.1	829.4	857.1	853.5	824.1	844.9	891.1	960.1	1009.3	1020.0
40°	849.9	858.8	892.1	931.9	940.3	933.7	940.5	967.4	991.6	1011.1	1040.3
42.5°	904.8	916.9	959.1	1012.4	1043.8	1049.7	1033.7	1030.9	1005.3	990.8	1036.0
45°	969.5	983.7	1031.4	1100.4	1150.4	1158.3	1130.6	1094.9	1013.9	975.8	1023.0
47.5°	1042.1	1055.5	1103.0	1186.0	1260.3	1263.4	1215.1	1157.5	1039.5	993.1	1032.9
50°	1066.4	1074.8	1115.9	1213.4	1350.4	1373.8	1304.0	1228.1	1091.0	1043.8	1081.1
52.5°	982.7	986.0	1021.8	1120.2	1332.1	1482.1	1433.7	1333.4	1182.7	1121.2	1155.5
55°	778.6	773.3	802.2	892.6	1157.8	1460.1	1551.2	1498.9	1300.7	1212.1	1252.2
57.5°	544.6	538.3	531.7	592.9	863.9	1237.7	1429.3	1522.0	1413.1	1302.2	1356.5
60°	447.7	441.6	409.6	381.4	522.3	888.8	1097.9	1272.3	1404.0	1297.6	1353.2
62.5°	386.8	383.2	370.3	332.0	307.3	507.3	687.5	854.5	1077.3	1019.0	1022.0
65°	303.8	302.8	311.7	315.7	271.8	280.7	350.7	444.1	582.4	549.2	520.8
67.5°	207.6	205.3	222.1	273.1	261.4	221.6	205.3	207.1	252.0	154.1	122.3
70°	132.0	126.6	126.9	169.3	212.7	174.9	158.4	139.3	125.4	22.8	25.9
72.5°	84.5	81.2	69.8	76.4	98.5	85.3	86.0	74.1	49.5	12.2	14.2
75°	35.5	32.7	25.1	20.0	19.8	12.4	10.9	10.2	6.9	6.9	7.4
77.5°	0.3	0.0	0.0	0.3	0.5	0.3	0.3	0.5	1.0	1.5	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	733.5	727.4	734.2	736.8	736.5	736.8	729.4	724.3	724.1	717.7	714.7
5°	736.2	731.4	736.5	733.2	725.3	715.4	702.2	690.8	685.7	678.4	674.8
7.5°	741.6	736.5	735.7	722.5	703.0	682.2	658.8	638.0	626.9	613.4	614.2
10°	745.4	739.5	729.6	702.7	670.3	637.0	602.2	571.3	551.7	533.7	530.7
12.5°	746.9	738.3	715.2	674.6	628.9	585.5	534.5	490.3	459.9	436.3	433.0
15°	749.7	735.7	696.7	640.6	577.9	516.5	451.5	391.1	350.7	323.6	325.9
17.5°	754.0	732.9	675.8	602.5	523.1	436.3	348.5	279.2	242.1	226.4	226.6
20°	760.1	729.6	653.0	560.6	457.3	345.7	243.6	191.4	181.0	180.4	179.7
22.5°	768.2	726.3	628.6	514.7	379.4	242.1	162.2	145.9	150.2	158.6	160.1
25°	777.9	722.3	601.5	462.9	294.4	158.9	121.6	119.0	129.4	140.6	143.1
27.5°	792.8	720.3	570.5	404.0	206.6	114.0	99.5	101.0	110.4	119.8	122.1
30°	818.2	724.1	536.8	338.0	132.7	90.9	86.3	88.6	93.6	98.5	100.5
32.5°	852.7	735.2	504.0	266.0	94.7	78.9	77.9	79.2	81.2	84.0	84.8
35°	893.1	754.5	470.3	190.3	78.2	72.1	71.1	71.1	72.1	72.6	72.8
37.5°	926.3	774.8	438.5	126.6	70.0	66.7	65.2	64.5	64.2	64.7	65.0
40°	940.8	783.2	404.0	92.1	64.2	61.9	59.6	57.4	57.4	59.1	59.4
42.5°	930.6	773.8	364.2	76.1	60.1	56.8	53.3	51.3	52.3	54.1	54.6
45°	909.1	750.7	320.3	67.3	56.1	51.8	47.7	46.4	47.5	49.7	50.3
47.5°	905.5	735.5	267.7	61.4	51.8	47.5	43.1	41.9	43.1	44.9	45.4
50°	940.8	748.7	209.4	56.3	47.7	42.9	39.3	38.1	38.8	39.8	40.4
52.5°	1005.3	797.7	169.0	51.5	42.9	38.3	36.0	34.5	34.5	35.5	35.8
55°	1100.4	883.2	145.9	45.9	37.3	34.8	32.7	31.2	31.2	31.7	32.0
57.5°	1210.1	986.7	151.3	38.6	32.7	31.5	29.7	28.4	28.9	28.9	28.9
60°	1194.8	979.1	161.9	32.5	28.9	28.4	26.9	26.4	27.7	26.6	26.1
62.5°	880.1	676.4	84.8	26.6	24.9	24.4	23.3	24.4	26.1	23.3	22.3
65°	427.4	327.4	34.0	21.8	21.1	20.6	20.0	21.6	22.6	18.3	17.3
67.5°	100.5	81.7	22.1	18.5	17.5	16.5	17.0	17.3	16.5	12.4	11.9
70°	26.1	25.6	17.3	15.5	14.0	12.9	12.9	12.7	10.9	7.9	7.4
72.5°	14.2	14.0	12.4	11.7	9.6	8.6	8.9	7.9	6.1	4.6	4.3
75°	7.1	7.6	7.1	6.6	5.3	4.8	4.8	4.3	3.0	1.8	1.8
77.5°	1.5	1.8	1.8	1.5	1.3	1.0	1.0	1.3	0.5	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)