

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: P629148

Luminaire Tested: GWS-SA1B-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

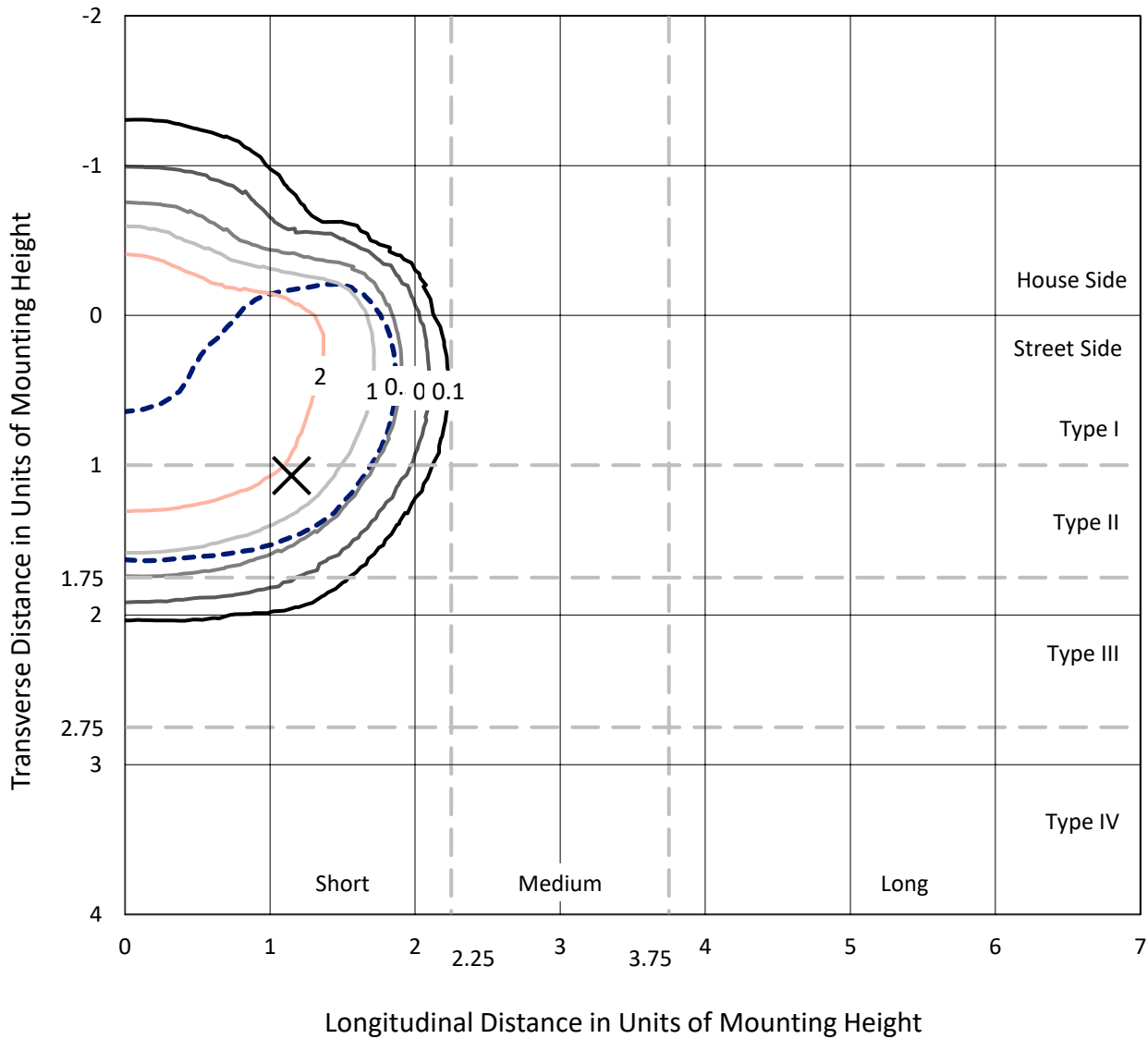
Lumens per Lamp: N/A  
Luminaire Lumens: 1630.2 lumens  
Efficiency: N/A  
Efficacy: 65.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

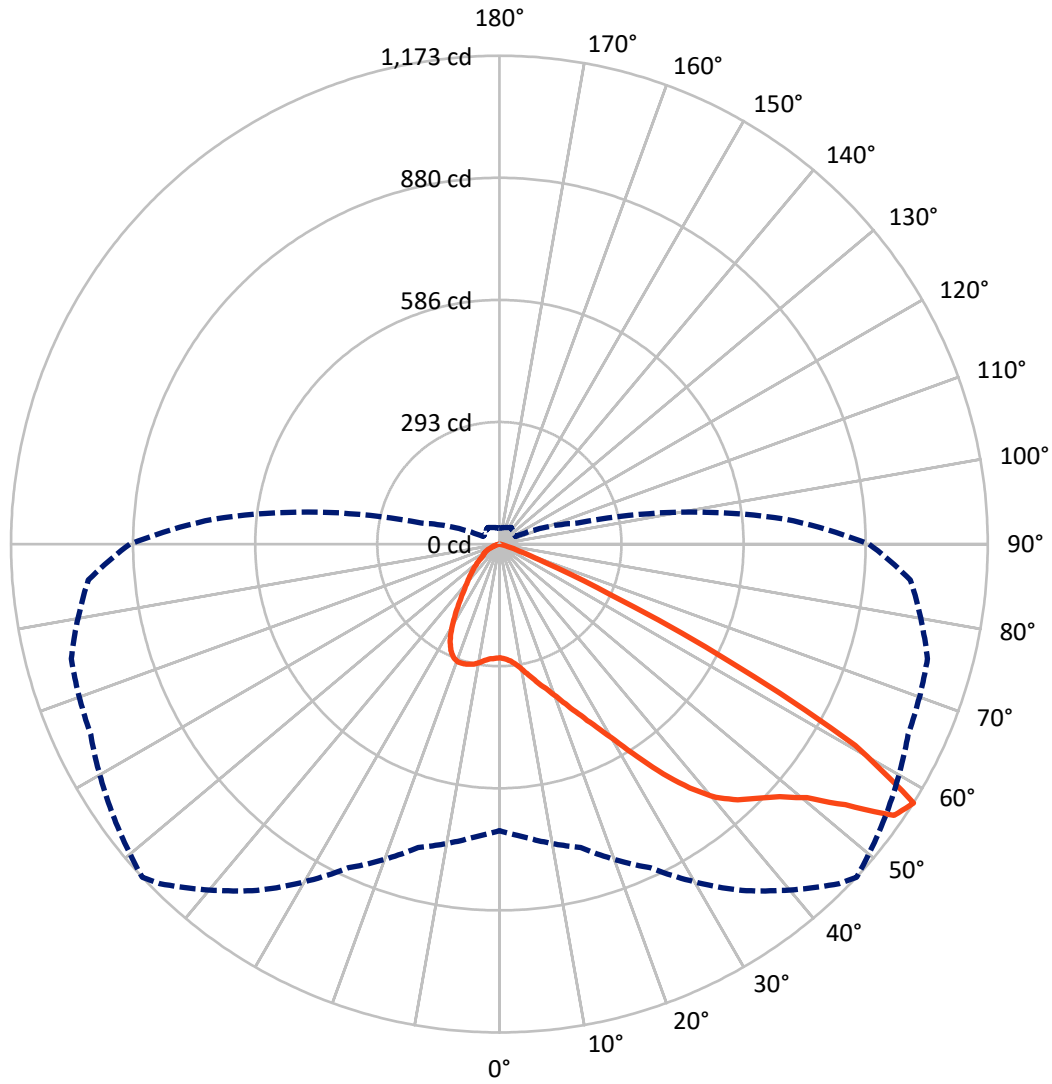
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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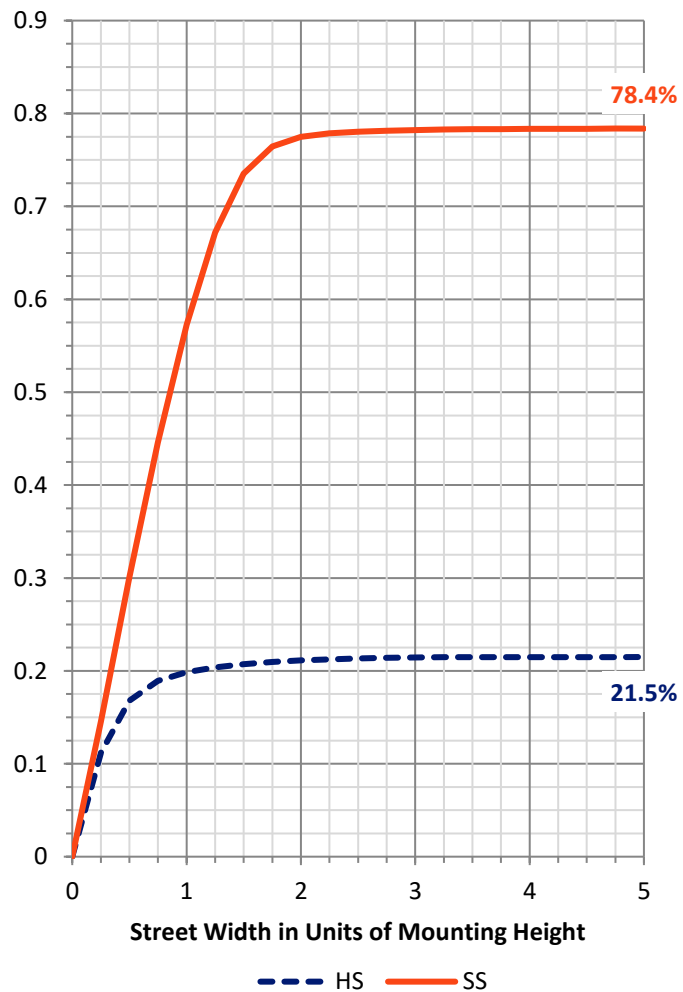
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	353.7	0.0	353.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1276.5	0.0	1276.5
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	1630.2	0.0	1630.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.2	1.7
10°-20°	91.6	5.6
20°-30°	170.1	10.4
30°-40°	272.3	16.7
40°-50°	398.0	24.4
50°-60°	491.2	30.1
60°-70°	164.2	10.1
70°-80°	15.3	0.9
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°	1630.2	100.0
0°-180°	1630.2	100.0

**Coefficient of Utilization**



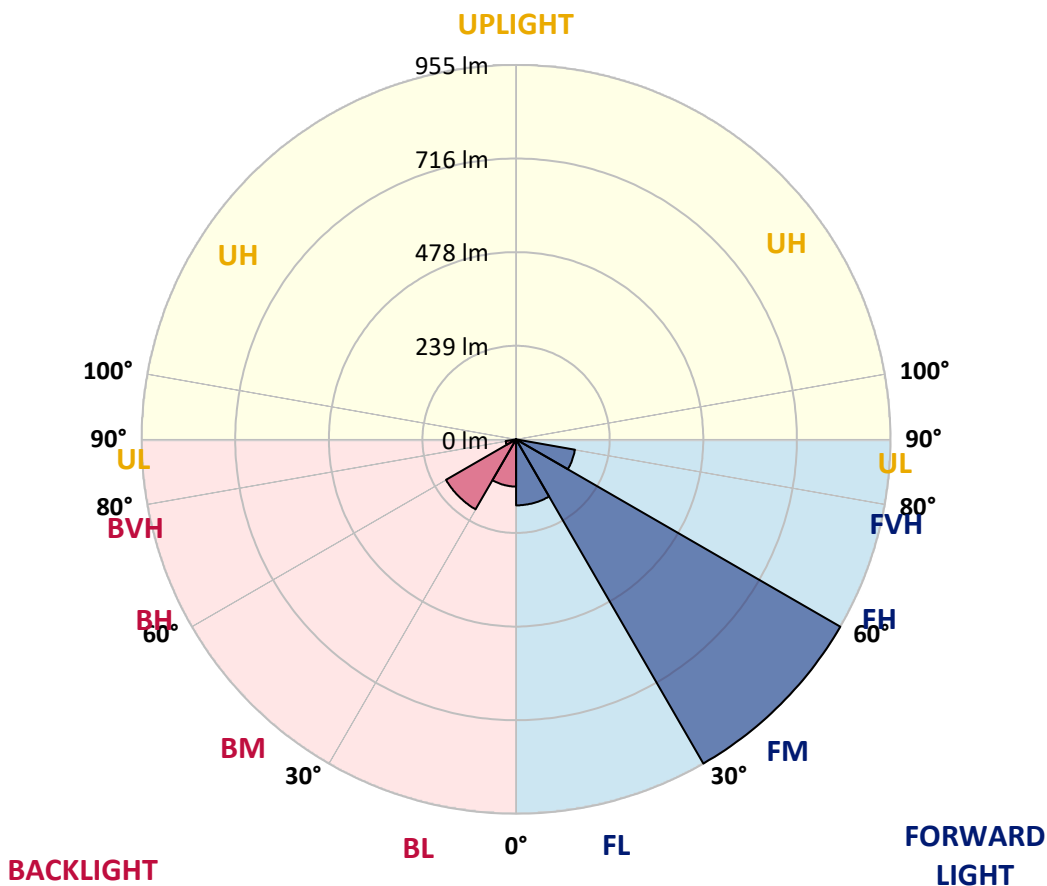
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.5	10.3			
FM (30°-60°)	955.3	58.6			
FH (60°-80°)	152.6	9.4			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	120.4	7.4	B1/500		
BM (30°-60°)	206.3	12.7	B0/220		
BH (60°-80°)	26.9	1.6	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: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9
2.5°	275.7	275.5	275.4	276.5	276.1	275.9	276.3	276.3	276.3	275.2	272.9
5°	282.4	282.4	282.2	283.3	282.4	281.8	282.0	282.0	281.2	279.1	276.3
7.5°	292.8	292.4	292.0	293.1	292.2	292.0	292.4	291.3	289.9	286.5	282.5
10°	307.7	307.7	307.2	308.3	307.5	307.2	307.2	306.4	303.9	298.6	292.8
12.5°	328.3	327.4	326.1	325.1	324.8	324.6	324.8	323.6	321.0	314.2	306.0
15°	350.9	350.1	348.0	346.5	344.4	344.1	345.2	344.2	341.6	332.3	320.8
17.5°	379.3	380.2	374.9	371.7	365.6	365.3	365.6	367.1	365.3	353.3	336.5
20°	403.5	404.2	400.3	398.0	392.5	390.0	390.8	393.3	391.2	377.2	353.7
22.5°	429.4	430.4	426.2	421.5	419.0	419.0	421.8	425.2	422.4	404.0	373.4
25°	460.4	461.2	457.8	451.5	447.2	452.7	456.8	465.9	461.2	436.2	396.7
27.5°	496.0	496.2	491.3	484.9	482.6	492.8	497.0	511.0	509.1	472.4	421.3
30°	534.1	534.3	533.1	528.8	526.7	540.1	545.8	566.0	564.7	517.2	454.8
32.5°	573.6	573.6	575.7	575.3	577.8	599.7	608.8	631.9	630.6	572.1	496.4
35°	613.4	613.5	617.1	626.2	636.4	665.6	677.5	705.5	702.5	637.8	549.6
37.5°	658.6	656.7	661.6	675.2	698.0	731.6	743.0	769.7	766.3	705.0	619.0
40°	713.1	709.7	709.7	725.6	751.3	790.1	799.8	813.0	801.5	759.3	687.2
42.5°	773.3	770.1	765.9	779.9	801.5	831.7	839.7	836.1	826.6	810.6	764.8
45°	834.2	829.3	832.1	840.6	853.1	867.5	870.5	853.9	849.5	854.1	828.9
47.5°	880.6	877.2	884.2	896.1	906.3	908.4	906.3	883.2	882.8	898.9	873.4
50°	896.1	896.5	915.8	941.9	958.4	960.1	957.2	930.7	927.1	931.9	897.4
52.5°	897.6	899.1	927.3	977.1	1021.9	1042.4	1040.1	1011.5	976.3	971.2	933.8
55°	861.1	870.0	909.3	982.0	1077.4	1142.7	1150.3	1095.6	1043.3	1039.0	1011.9
57.5°	688.3	706.5	754.0	857.5	1015.5	1153.1	1172.8	1133.4	1082.9	1064.3	990.9
60°	411.4	433.9	479.6	606.5	772.9	947.8	981.6	987.1	963.8	910.3	760.2
62.5°	176.6	174.7	230.9	328.2	459.7	602.4	617.7	641.6	661.8	605.8	461.4
65°	60.6	65.9	91.6	148.0	230.1	279.7	293.3	314.7	343.5	283.5	169.0
67.5°	37.5	39.7	52.8	87.4	124.1	122.3	116.2	112.8	109.8	75.1	46.4
70°	27.3	29.1	37.1	60.2	83.5	58.7	50.9	41.3	45.8	42.2	32.9
72.5°	18.4	19.9	25.5	36.5	42.8	28.6	26.5	30.1	36.3	34.6	26.9
75°	11.0	11.9	14.6	17.8	17.4	14.8	15.0	21.2	27.8	25.9	19.1
77.5°	7.6	7.9	9.7	11.5	8.5	4.5	4.2	5.9	9.5	9.5	6.4
80°	1.9	2.5	2.5	1.5	1.3	1.1	1.1	1.7	2.6	1.9	0.9
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
87.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
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°	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9
2.5°	274.2	272.0	273.5	273.1	274.2	274.6	272.9	272.5	272.7	270.4	269.7
5°	276.9	274.2	275.0	274.2	275.5	276.7	276.1	276.9	277.8	276.1	275.4
7.5°	282.5	279.9	279.7	278.6	280.5	281.2	281.0	283.1	285.0	283.9	282.7
10°	292.4	288.8	288.4	287.5	288.0	288.6	286.5	286.9	288.6	287.3	286.7
12.5°	304.5	300.1	299.2	296.9	296.9	294.1	289.6	288.6	289.9	289.0	288.0
15°	317.6	311.7	310.2	306.2	302.4	297.1	292.4	291.3	292.2	291.1	290.3
17.5°	332.1	325.5	320.6	313.6	305.3	299.0	293.7	291.3	289.7	287.5	287.3
20°	346.5	337.8	329.5	318.3	307.3	297.9	289.2	282.7	277.2	273.8	272.5
22.5°	363.2	350.3	336.9	321.2	305.4	291.1	275.7	264.8	255.3	252.1	250.6
25°	381.0	364.3	344.2	323.8	299.0	275.9	255.1	238.8	226.3	222.2	220.5
27.5°	400.6	377.7	351.8	323.2	285.8	254.4	226.7	206.5	194.2	190.4	191.7
30°	425.6	395.2	361.3	317.4	265.9	224.1	191.7	174.7	165.4	161.8	162.0
32.5°	458.9	420.1	375.1	304.9	240.3	189.6	161.2	148.7	142.5	137.8	137.4
35°	506.6	458.2	388.0	284.8	209.3	159.0	138.3	128.5	119.8	114.3	115.3
37.5°	563.8	506.1	395.0	257.8	174.5	135.1	121.1	111.1	101.2	93.1	94.1
40°	631.5	568.7	394.4	222.2	142.7	118.8	106.7	95.0	82.7	75.3	76.1
42.5°	707.0	627.9	382.1	184.5	118.3	105.6	92.9	78.2	66.2	61.7	61.9
45°	772.5	676.0	360.5	145.5	99.5	92.7	78.5	63.4	58.1	54.9	54.7
47.5°	821.0	711.2	329.7	114.5	84.4	81.0	64.5	56.8	52.6	50.0	49.6
50°	848.0	723.5	295.6	89.7	71.3	68.7	57.7	51.5	48.6	46.9	46.6
52.5°	884.4	738.3	271.2	70.8	59.8	56.2	53.2	47.9	46.0	44.7	44.1
55°	941.9	766.8	250.0	56.2	49.8	49.0	50.2	45.8	44.7	42.6	41.8
57.5°	887.8	688.9	194.2	43.5	42.0	44.9	48.4	43.7	40.9	39.0	38.2
60°	624.7	458.0	97.7	35.0	37.5	42.0	45.6	39.6	36.7	37.1	36.7
62.5°	344.4	229.2	43.9	29.3	32.6	37.1	39.0	34.3	32.4	35.6	36.1
65°	112.6	78.0	25.4	22.7	25.7	30.3	33.7	32.6	32.2	36.0	37.1
67.5°	34.6	25.7	17.2	16.3	17.8	22.3	28.4	35.2	37.8	39.0	39.6
70°	25.9	20.2	14.8	13.8	14.6	17.0	24.0	29.3	27.6	27.8	27.4
72.5°	20.8	16.1	12.7	12.1	12.1	11.7	12.7	15.9	18.0	18.9	18.9
75°	14.6	11.4	9.7	8.9	7.0	5.7	5.1	5.1	4.5	4.4	4.2
77.5°	4.9	4.2	3.8	3.0	2.1	1.7	1.5	1.3	0.9	0.6	0.4
80°	0.8	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	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)