

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: P629119

Luminaire Tested: GWS-SA1B-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 2327.2 lumens
Efficiency: N/A
Efficacy: 93.1 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

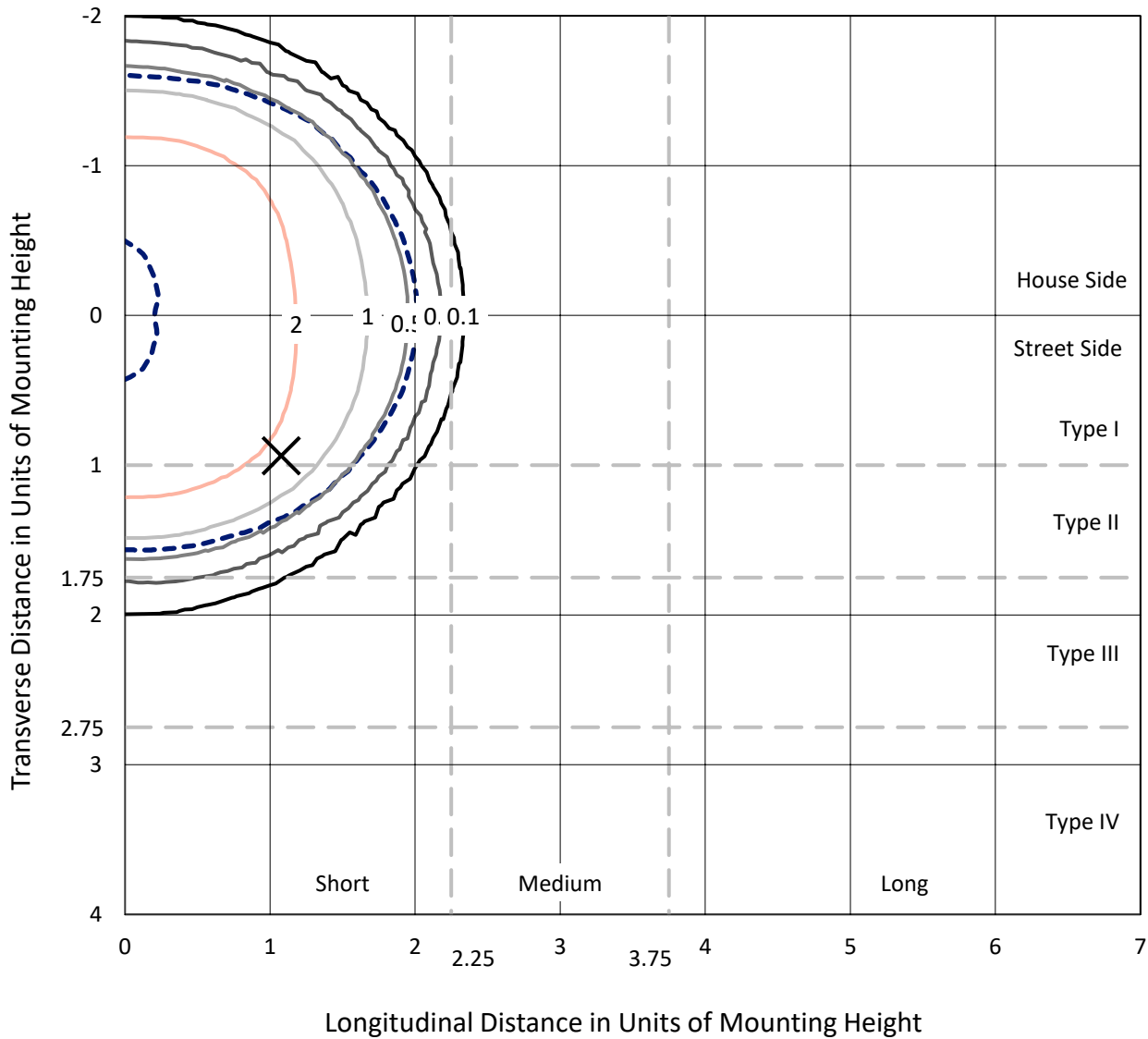
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

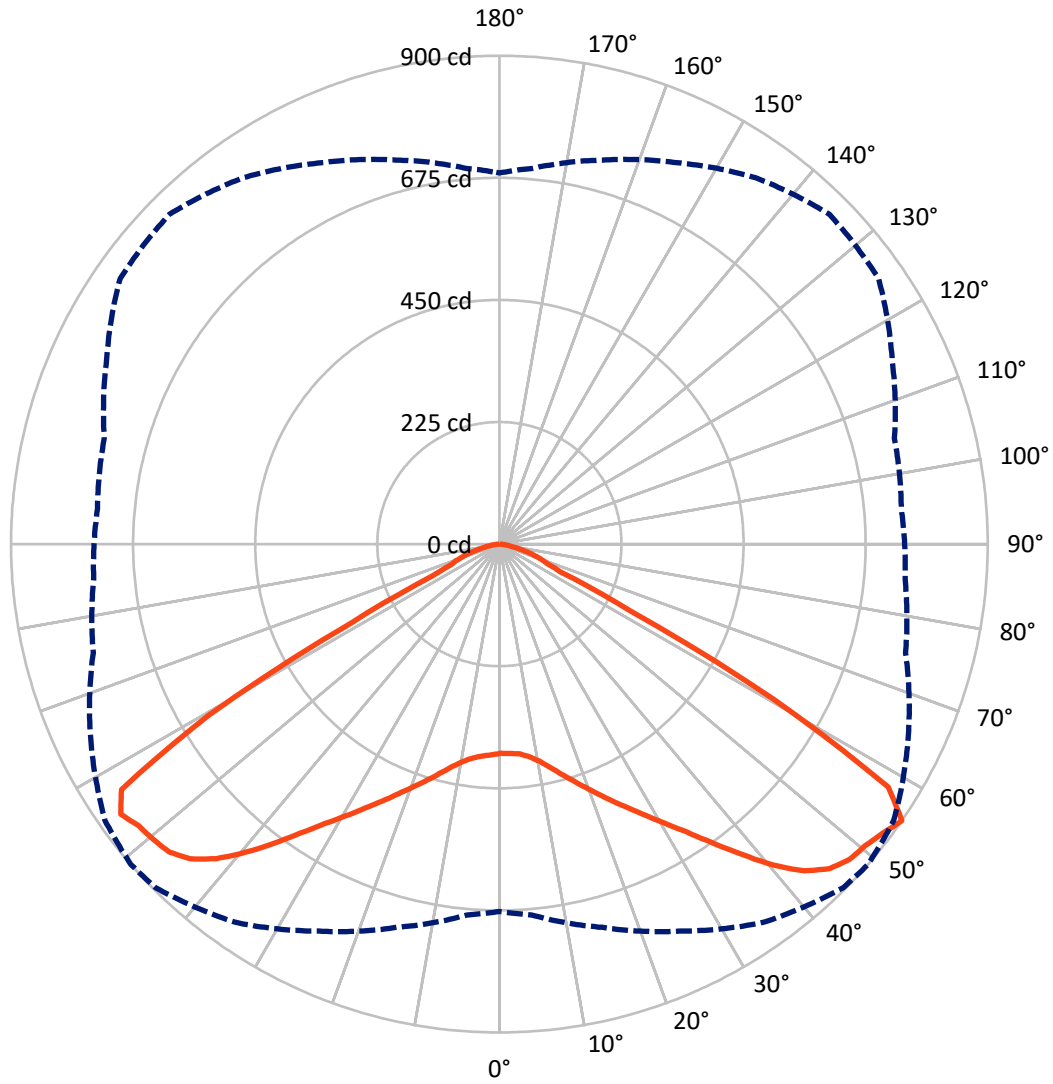
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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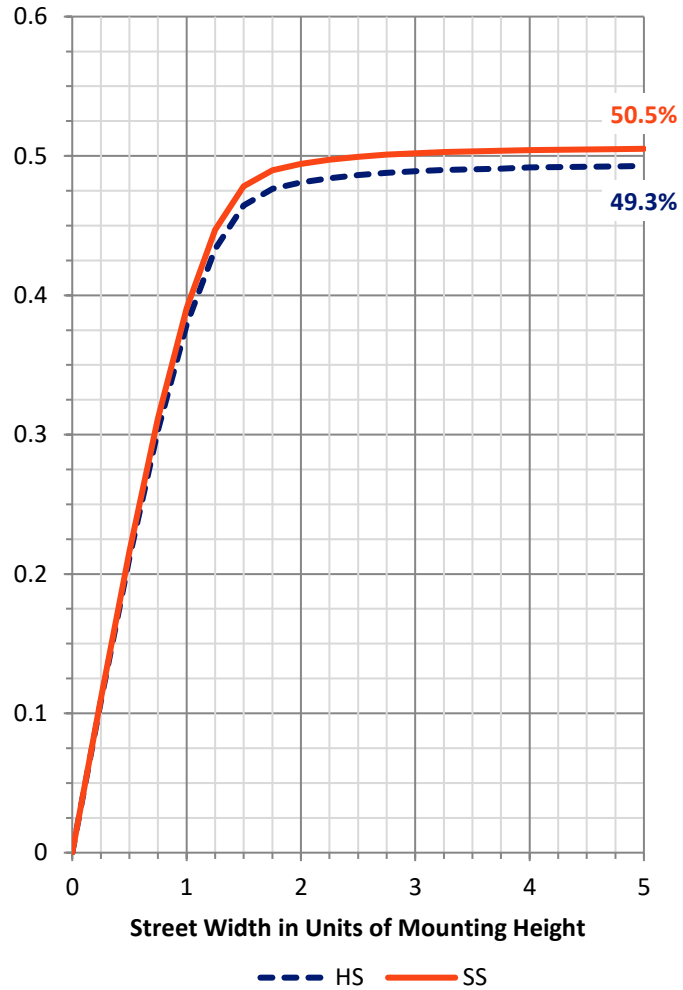
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1152.2	0.0	1152.2
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1175.0	0.0	1175.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	2327.2	0.0	2327.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.6
10°-20°	124.0	5.3
20°-30°	236.3	10.2
30°-40°	400.5	17.2
40°-50°	602.8	25.9
50°-60°	659.8	28.4
60°-70°	208.6	9.0
70°-80°	50.1	2.2
80°-90°	7.5	0.3
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°	2327.2	100.0
0°-180°	2327.2	100.0

Coefficient of Utilization



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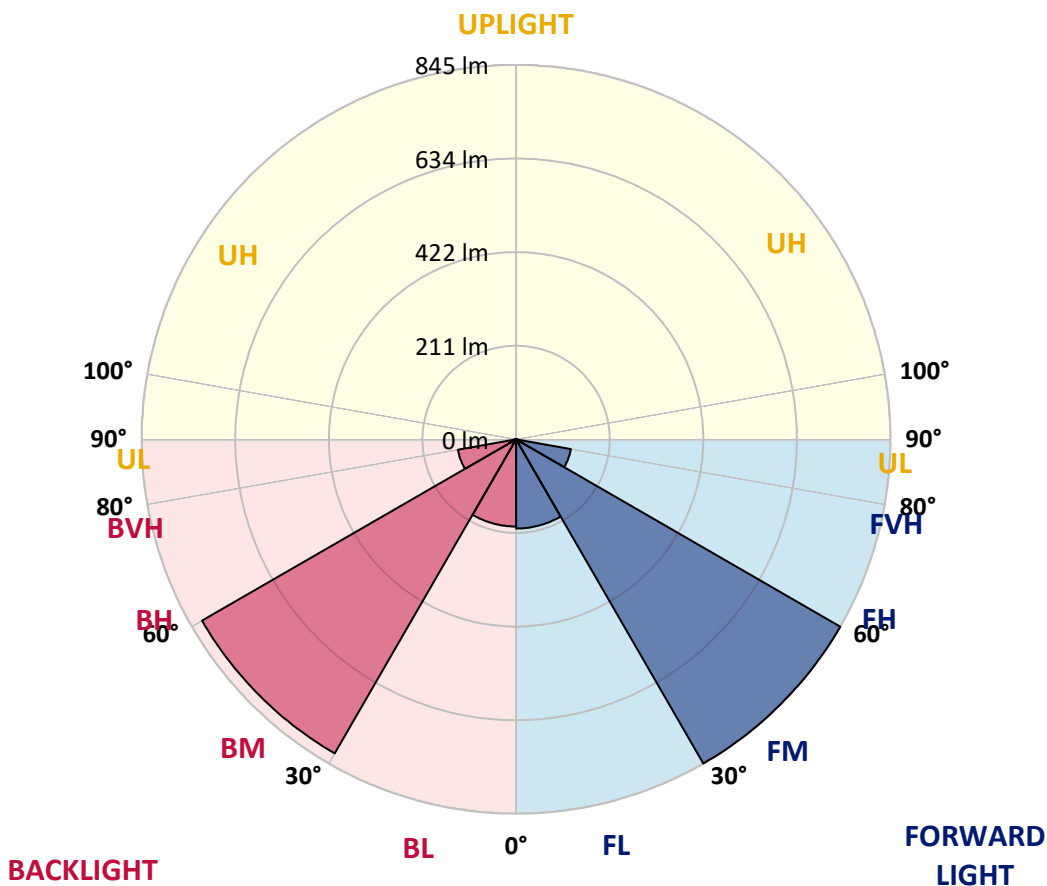
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.2	8.6			
FM (30°-60°)	844.8	36.3			
FH (60°-80°)	125.5	5.4			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	196.7	8.5	B1/500		
BM (30°-60°)	818.2	35.2	B1/1000		
BH (60°-80°)	133.2	5.7	B1/500		G0/660
BVH (80°-90°)	4.0	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5
2.5°	379.8	380.2	381.0	382.3	383.6	385.5	386.3	387.2	387.0	388.2	388.2
5°	377.9	378.5	379.6	381.5	383.8	387.4	388.4	390.6	392.9	395.7	396.7
7.5°	380.2	381.0	382.3	385.3	388.7	393.5	395.4	399.1	403.5	408.6	410.7
10°	384.6	385.5	387.8	392.7	398.2	405.4	407.1	411.8	418.8	425.8	430.0
12.5°	389.5	391.0	395.2	402.9	411.1	420.5	423.2	429.0	436.6	445.7	451.4
15°	395.2	396.5	402.9	413.9	426.6	439.1	442.1	447.8	456.3	465.2	473.1
17.5°	407.1	409.4	416.9	429.6	444.4	459.1	462.5	469.0	475.8	482.8	490.4
20°	423.4	425.3	434.9	450.6	468.0	481.5	484.9	490.6	493.8	497.4	503.8
22.5°	439.6	442.3	453.3	471.8	492.3	506.8	509.5	514.8	512.5	511.4	515.5
25°	459.9	463.5	474.3	494.5	515.3	533.3	535.4	539.9	536.2	530.3	530.1
27.5°	485.1	488.3	499.4	520.3	540.9	559.6	563.6	569.7	561.3	554.1	549.0
30°	515.0	517.0	529.3	551.5	572.7	590.5	595.6	601.6	595.4	583.5	578.4
32.5°	549.8	552.6	566.8	590.1	609.0	626.8	631.9	639.5	632.7	619.2	612.8
35°	591.6	594.5	609.4	634.8	654.1	672.4	676.0	682.3	673.8	658.2	653.1
37.5°	637.0	640.6	659.6	683.6	703.8	725.2	725.4	727.3	715.2	695.9	690.2
40°	688.1	692.9	711.8	736.8	761.2	778.6	778.4	773.1	752.7	722.8	714.1
42.5°	738.7	742.5	761.6	787.3	811.7	828.2	823.3	810.4	780.9	740.2	728.6
45°	775.2	778.0	798.1	827.0	851.8	862.1	853.2	837.6	797.7	751.2	734.1
47.5°	792.4	796.2	816.5	845.2	873.2	879.1	868.5	853.9	807.6	761.4	738.5
50°	783.1	788.1	811.0	837.6	869.3	881.4	873.8	859.2	818.0	771.4	746.2
52.5°	759.1	763.8	792.8	825.2	860.9	885.0	884.8	872.8	829.9	774.2	746.6
55°	677.0	686.2	731.3	787.1	850.7	895.6	900.1	887.4	831.8	775.0	750.6
57.5°	440.6	456.9	499.6	572.3	699.9	814.6	845.2	848.2	818.2	771.8	751.3
60°	184.0	197.0	230.9	279.2	384.6	521.0	580.4	640.1	712.0	738.1	744.3
62.5°	114.3	115.4	118.9	129.8	165.0	231.6	269.9	325.7	432.6	523.7	565.7
65°	103.1	103.7	104.5	103.7	105.4	113.6	123.8	143.3	186.8	232.0	285.8
67.5°	90.8	91.6	92.2	91.6	92.2	92.5	93.7	95.4	103.3	109.8	114.7
70°	73.4	74.6	75.5	75.1	77.4	77.4	78.5	79.9	83.8	88.6	92.0
72.5°	56.0	55.1	56.2	56.6	58.7	59.8	61.5	63.0	67.6	70.4	74.8
75°	36.3	35.4	37.1	38.0	40.9	42.4	43.9	45.4	48.6	50.5	54.7
77.5°	19.7	19.5	21.2	22.5	25.5	27.4	28.6	29.7	32.4	32.9	35.6
80°	11.4	11.4	12.5	13.4	15.3	17.4	18.5	19.5	21.4	22.0	23.1
82.5°	6.2	6.2	6.8	7.4	8.9	10.0	11.0	11.7	13.4	14.0	14.6
85°	3.0	2.8	3.2	3.6	4.2	4.7	5.3	5.7	7.0	7.4	8.1
87.5°	0.4	0.4	0.4	0.6	0.8	1.1	1.3	1.3	2.1	2.5	2.8
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°	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5
2.5°	389.3	386.8	388.4	388.9	388.9	388.4	385.9	385.1	384.0	382.3	382.3
5°	398.0	396.1	396.5	395.5	393.3	390.4	385.9	383.6	381.7	379.6	379.5
7.5°	413.0	410.5	410.1	406.5	400.5	394.4	387.6	383.4	380.6	377.9	377.8
10°	432.5	430.2	427.3	420.1	411.3	402.4	393.1	387.4	383.2	379.5	379.3
12.5°	454.2	451.6	446.3	435.7	424.5	415.8	405.2	396.5	390.2	385.1	384.2
15°	477.9	474.1	465.0	452.5	441.5	432.3	420.9	408.4	399.0	390.8	389.9
17.5°	496.0	491.1	481.3	469.5	460.5	451.2	436.4	420.7	407.1	396.9	395.4
20°	508.5	504.6	493.4	484.7	479.4	471.2	454.0	436.2	420.9	408.0	407.3
22.5°	520.1	515.3	504.4	499.3	499.3	493.8	477.3	456.3	438.3	423.4	421.5
25°	533.1	528.0	519.7	519.1	521.8	519.3	499.4	476.9	455.9	439.1	436.0
27.5°	551.3	545.6	540.7	544.1	547.9	545.2	523.1	497.0	474.8	457.8	455.2
30°	580.3	573.3	568.7	572.9	580.3	572.5	548.5	520.8	498.5	479.8	478.4
32.5°	613.9	606.0	601.3	607.9	614.5	602.4	578.6	552.1	528.6	508.9	506.6
35°	654.4	644.4	637.4	646.3	653.1	641.2	617.5	592.4	566.3	545.8	542.8
37.5°	690.4	678.3	673.6	686.1	695.1	687.4	661.6	638.0	609.4	587.1	585.7
40°	716.5	704.6	701.2	721.8	737.7	735.8	712.7	685.7	658.8	633.1	630.6
42.5°	727.9	719.6	720.3	748.1	772.7	784.8	764.2	735.3	709.3	682.6	680.9
45°	730.3	725.2	731.3	766.1	798.5	823.3	805.7	781.4	752.1	726.4	725.6
47.5°	733.0	730.2	739.4	776.3	814.7	843.5	833.7	808.7	779.0	753.8	751.9
50°	739.2	738.1	748.5	783.5	822.5	849.0	837.8	813.0	782.6	757.8	753.2
52.5°	741.1	739.2	754.2	794.7	835.4	848.8	824.8	792.4	761.8	734.1	729.4
55°	747.0	743.6	753.8	798.9	853.2	859.8	824.0	775.6	732.8	695.1	684.0
57.5°	748.5	744.7	751.3	792.0	833.9	828.0	724.3	625.9	545.2	503.4	508.2
60°	740.4	741.5	730.2	725.6	668.8	590.5	443.4	354.5	278.4	246.2	253.2
62.5°	563.6	568.3	529.5	460.5	354.1	280.7	185.7	144.2	122.1	116.4	117.3
65°	284.5	290.9	250.6	207.2	154.1	124.5	107.7	104.3	103.1	101.8	101.8
67.5°	112.6	114.5	113.0	105.8	98.4	95.8	95.0	94.6	93.3	92.5	92.7
70°	90.5	92.0	89.7	85.2	82.1	81.9	81.6	80.8	79.9	79.9	80.4
72.5°	73.8	75.3	72.1	69.3	67.0	65.3	64.3	63.8	62.5	62.5	63.0
75°	54.3	55.3	52.6	52.2	49.8	48.1	46.6	45.8	44.1	43.3	43.9
77.5°	36.1	36.0	34.6	34.6	33.7	31.6	29.9	28.2	25.9	24.4	24.8
80°	23.5	23.5	22.9	22.9	22.0	20.3	18.2	16.5	15.1	14.0	14.0
82.5°	15.0	14.8	14.6	14.4	14.0	12.3	10.8	9.7	8.7	7.9	8.1
85°	8.3	8.3	7.9	7.9	7.2	6.2	5.5	4.7	4.2	4.0	4.0
87.5°	2.8	2.8	2.6	2.6	2.3	1.7	1.3	1.1	0.9	0.8	0.9
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)