

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: P628954

Luminaire Tested: GWS-SA1A-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628954  
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-SA1A-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2529.2 lumens  
Efficiency: N/A  
Efficacy: 128.4 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

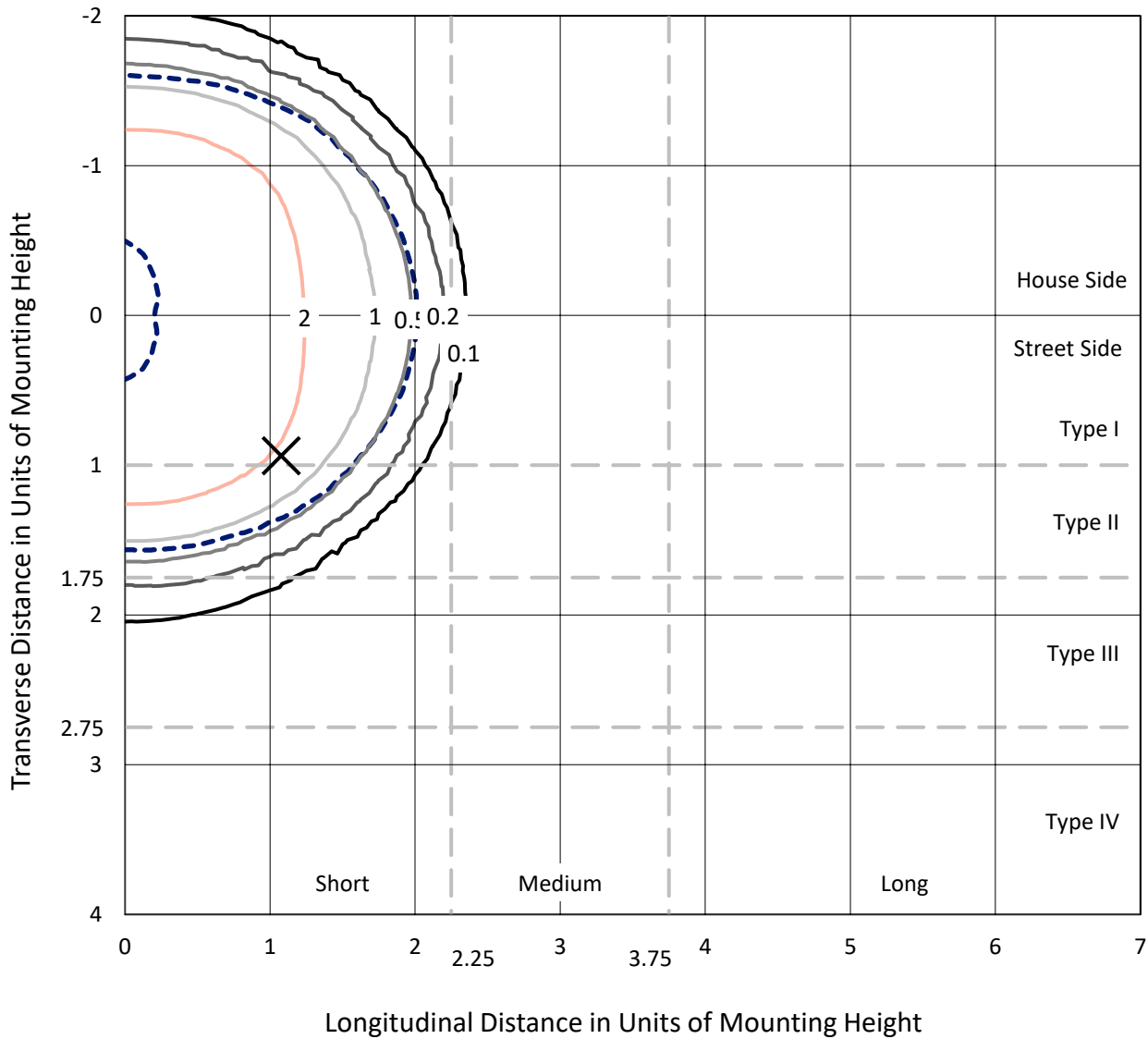


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### Iso-Footcandle Lines of Horizontal Illumination

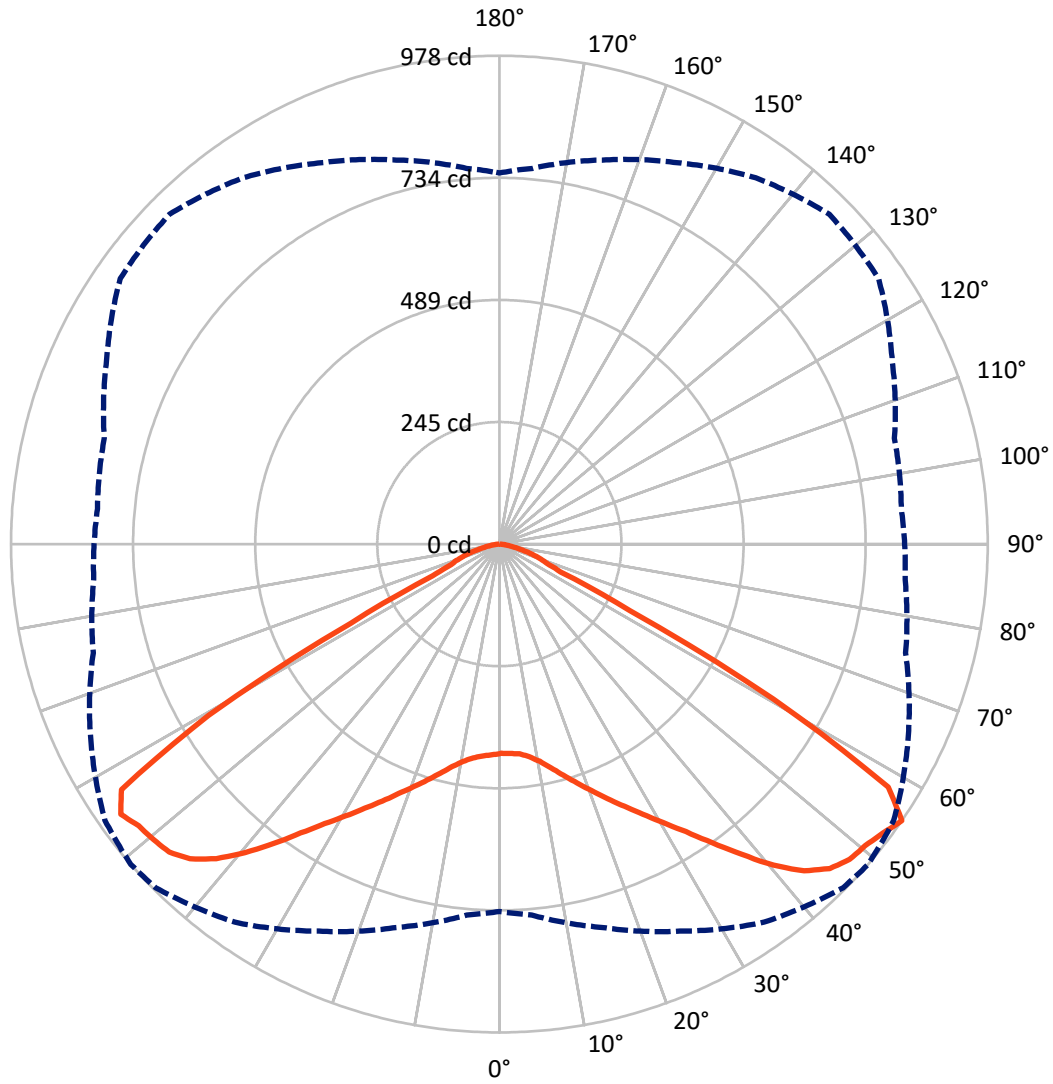
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 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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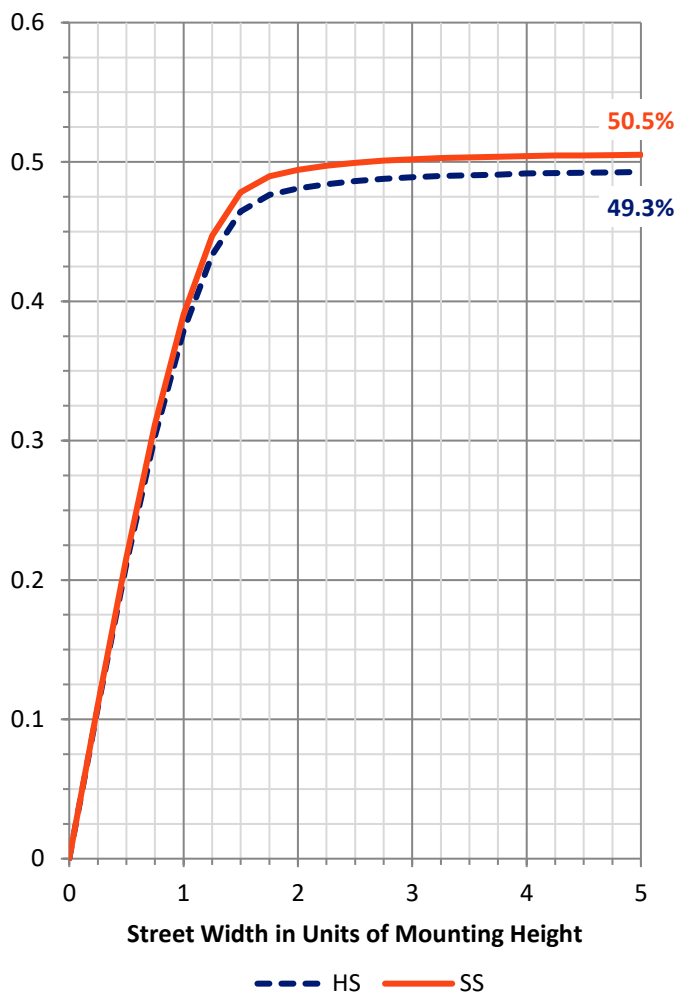
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1252.2	0.0	1252.2
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	1277.0	0.0	1277.0
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	2529.2	0.0	2529.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	1.6
10°-20°	134.8	5.3
20°-30°	256.8	10.2
30°-40°	435.3	17.2
40°-50°	655.1	25.9
50°-60°	717.1	28.4
60°-70°	226.7	9.0
70°-80°	54.4	2.2
80°-90°	8.2	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°	2529.2	100.0
0°-180°	2529.2	100.0

**Coefficient of Utilization**



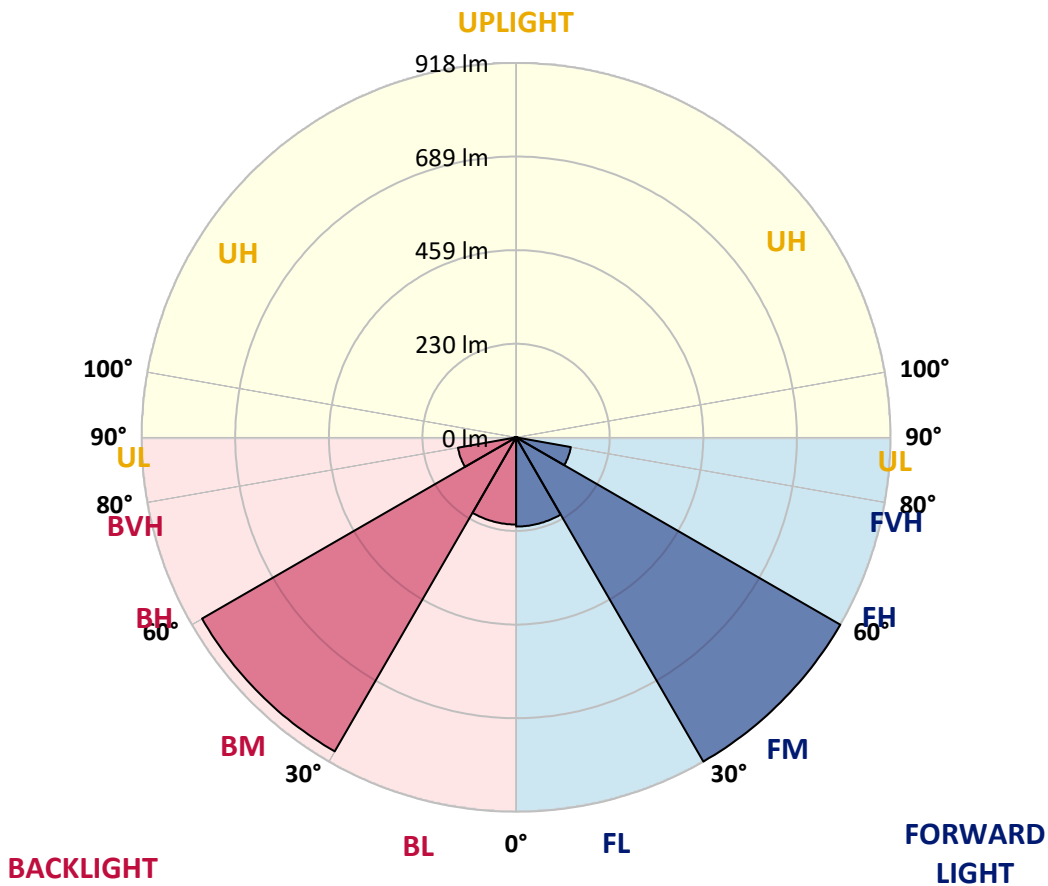
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.7	8.6			
FM (30°-60°)	918.2	36.3			
FH (60°-80°)	136.4	5.4			G0/660
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	213.8	8.5	B1/500		
BM (30°-60°)	889.3	35.2	B1/1000		
BH (60°-80°)	144.8	5.7	B1/500		G0/660
BVH (80°-90°)	4.4	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°	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0
2.5°	412.8	413.2	414.0	415.5	416.9	419.0	419.8	420.8	420.6	421.9	421.9
5°	410.7	411.4	412.6	414.7	417.1	421.0	422.1	424.5	427.0	430.1	431.1
7.5°	413.2	414.0	415.5	418.8	422.5	427.6	429.7	433.8	438.5	444.1	446.3
10°	417.9	419.0	421.4	426.8	432.8	440.6	442.4	447.6	455.2	462.8	467.3
12.5°	423.3	424.9	429.5	437.9	446.7	457.0	459.9	466.3	474.5	484.4	490.6
15°	429.5	430.9	437.9	449.8	463.6	477.2	480.5	486.6	495.9	505.6	514.2
17.5°	442.4	444.9	453.1	466.9	482.9	499.0	502.7	509.7	517.1	524.7	532.9
20°	460.1	462.2	472.7	489.7	508.7	523.3	527.0	533.1	536.6	540.5	547.5
22.5°	477.8	480.7	492.6	512.8	535.0	550.8	553.7	559.5	557.0	555.8	560.3
25°	499.8	503.7	515.4	537.5	560.1	579.6	581.9	586.8	582.7	576.3	576.1
27.5°	527.2	530.7	542.8	565.4	587.8	608.2	612.5	619.1	610.1	602.2	596.7
30°	559.7	561.9	575.3	599.4	622.4	641.7	647.3	653.9	647.1	634.1	628.6
32.5°	597.5	600.6	616.0	641.3	661.9	681.2	686.8	695.0	687.6	673.0	666.0
35°	643.0	646.1	662.3	689.9	710.8	730.8	734.7	741.5	732.2	715.4	709.8
37.5°	692.3	696.2	716.8	742.9	764.9	788.2	788.4	790.4	777.3	756.3	750.1
40°	747.9	753.0	773.6	800.7	827.3	846.2	846.0	840.2	818.0	785.5	776.0
42.5°	802.8	806.9	827.7	855.6	882.2	900.1	894.7	880.7	848.7	804.4	791.9
45°	842.5	845.6	867.4	898.8	925.8	936.9	927.2	910.4	867.0	816.4	797.8
47.5°	861.2	865.3	887.3	918.6	949.0	955.4	943.9	928.0	877.7	827.5	802.6
50°	851.1	856.5	881.4	910.4	944.7	957.9	949.6	933.8	889.0	838.4	811.0
52.5°	825.0	830.1	861.6	896.8	935.7	961.8	961.6	948.6	901.9	841.5	811.4
55°	735.7	745.8	794.8	855.4	924.5	973.3	978.2	964.4	904.0	842.3	815.7
57.5°	478.8	496.5	543.0	622.0	760.6	885.3	918.6	921.9	889.2	838.8	816.6
60°	199.9	214.1	250.9	303.4	417.9	566.2	630.8	695.6	773.8	802.2	809.0
62.5°	124.2	125.5	129.2	141.1	179.4	251.8	293.3	354.0	470.2	569.1	614.8
65°	112.1	112.7	113.5	112.7	114.6	123.4	134.5	155.7	203.0	252.2	310.6
67.5°	98.7	99.6	100.2	99.6	100.2	100.6	101.8	103.7	112.3	119.3	124.6
70°	79.8	81.0	82.1	81.7	84.1	84.1	85.4	86.8	91.1	96.3	100.0
72.5°	60.9	59.9	61.1	61.5	63.8	65.0	66.8	68.5	73.4	76.5	81.2
75°	39.5	38.5	40.3	41.3	44.4	46.1	47.7	49.4	52.9	54.9	59.4
77.5°	21.4	21.2	23.0	24.5	27.8	29.8	31.1	32.3	35.2	35.8	38.7
80°	12.3	12.3	13.6	14.6	16.7	18.9	20.2	21.2	23.2	23.9	25.1
82.5°	6.8	6.8	7.4	8.0	9.7	10.9	11.9	12.8	14.6	15.2	15.8
85°	3.3	3.1	3.5	3.9	4.5	5.1	5.8	6.2	7.6	8.0	8.8
87.5°	0.4	0.4	0.4	0.6	0.8	1.2	1.4	1.4	2.3	2.7	3.1
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°	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0
2.5°	423.1	420.4	422.1	422.7	422.7	422.1	419.4	418.6	417.3	415.5	415.5
5°	432.6	430.5	430.9	429.9	427.4	424.3	419.4	416.9	414.9	412.6	412.4
7.5°	448.8	446.1	445.7	441.8	435.2	428.6	421.2	416.7	413.6	410.7	410.5
10°	470.0	467.5	464.4	456.6	447.0	437.3	427.2	421.0	416.5	412.4	412.2
12.5°	493.6	490.8	485.0	473.5	461.3	451.9	440.4	430.9	424.1	418.6	417.5
15°	519.4	515.2	505.4	491.8	479.9	469.8	457.4	443.9	433.6	424.7	423.7
17.5°	539.1	533.7	523.1	510.3	500.4	490.3	474.3	457.2	442.4	431.3	429.7
20°	552.7	548.4	536.2	526.8	521.0	512.2	493.4	474.1	457.4	443.5	442.6
22.5°	565.2	560.1	548.1	542.6	542.6	536.6	518.7	495.9	476.4	460.1	458.1
25°	579.4	573.9	564.8	564.2	567.1	564.4	542.8	518.3	495.5	477.2	473.9
27.5°	599.2	593.0	587.6	591.3	595.5	592.6	568.5	540.1	516.1	497.5	494.7
30°	630.6	623.0	618.1	622.6	630.6	622.2	596.1	566.0	541.8	521.4	520.0
32.5°	667.2	658.6	653.5	660.7	667.9	654.7	628.8	600.0	574.5	553.1	550.6
35°	711.3	700.4	692.7	702.4	709.8	696.9	671.1	643.8	615.4	593.2	589.9
37.5°	750.3	737.2	732.0	745.6	755.5	747.0	719.1	693.4	662.3	638.0	636.6
40°	778.7	765.8	762.1	784.5	801.8	799.7	774.6	745.2	716.0	688.0	685.3
42.5°	791.1	782.0	782.8	813.1	839.8	853.0	830.6	799.1	770.9	741.9	740.0
45°	793.7	788.2	794.8	832.6	867.8	894.7	875.6	849.3	817.4	789.4	788.6
47.5°	796.6	793.5	803.6	843.7	885.5	916.7	906.0	878.9	846.6	819.2	817.2
50°	803.4	802.2	813.5	851.5	893.9	922.7	910.6	883.6	850.5	823.6	818.6
52.5°	805.5	803.4	819.6	863.7	907.9	922.5	896.4	861.2	827.9	797.8	792.7
55°	811.8	808.1	819.2	868.2	927.2	934.4	895.5	842.9	796.4	755.5	743.3
57.5°	813.5	809.4	816.6	860.8	906.2	899.9	787.2	680.2	592.6	547.1	552.3
60°	804.6	805.9	793.5	788.6	726.9	641.7	481.9	385.2	302.6	267.6	275.2
62.5°	612.5	617.7	575.5	500.4	384.8	305.0	201.8	156.7	132.7	126.5	127.5
65°	309.1	316.1	272.3	225.2	167.4	135.3	117.0	113.3	112.1	110.7	110.7
67.5°	122.4	124.4	122.8	115.0	107.0	104.1	103.3	102.8	101.4	100.6	100.8
70°	98.3	100.0	97.5	92.6	89.3	89.1	88.6	87.8	86.8	86.8	87.4
72.5°	80.2	81.9	78.4	75.3	72.8	71.0	69.9	69.3	67.9	67.9	68.5
75°	59.0	60.1	57.2	56.8	54.1	52.2	50.6	49.8	47.9	47.1	47.7
77.5°	39.3	39.1	37.6	37.6	36.6	34.3	32.5	30.6	28.2	26.5	26.9
80°	25.5	25.5	24.9	24.9	23.9	22.0	19.7	17.9	16.5	15.2	15.2
82.5°	16.2	16.0	15.8	15.6	15.2	13.4	11.7	10.5	9.5	8.6	8.8
85°	9.1	9.1	8.6	8.6	7.8	6.8	6.0	5.1	4.5	4.3	4.3
87.5°	3.1	3.1	2.9	2.9	2.5	1.9	1.4	1.2	1.0	0.8	1.0
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)