

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: P628844

Luminaire Tested: GWS-SA1A-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628844
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2506.9 lumens
Efficiency: N/A
Efficacy: 127.3 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

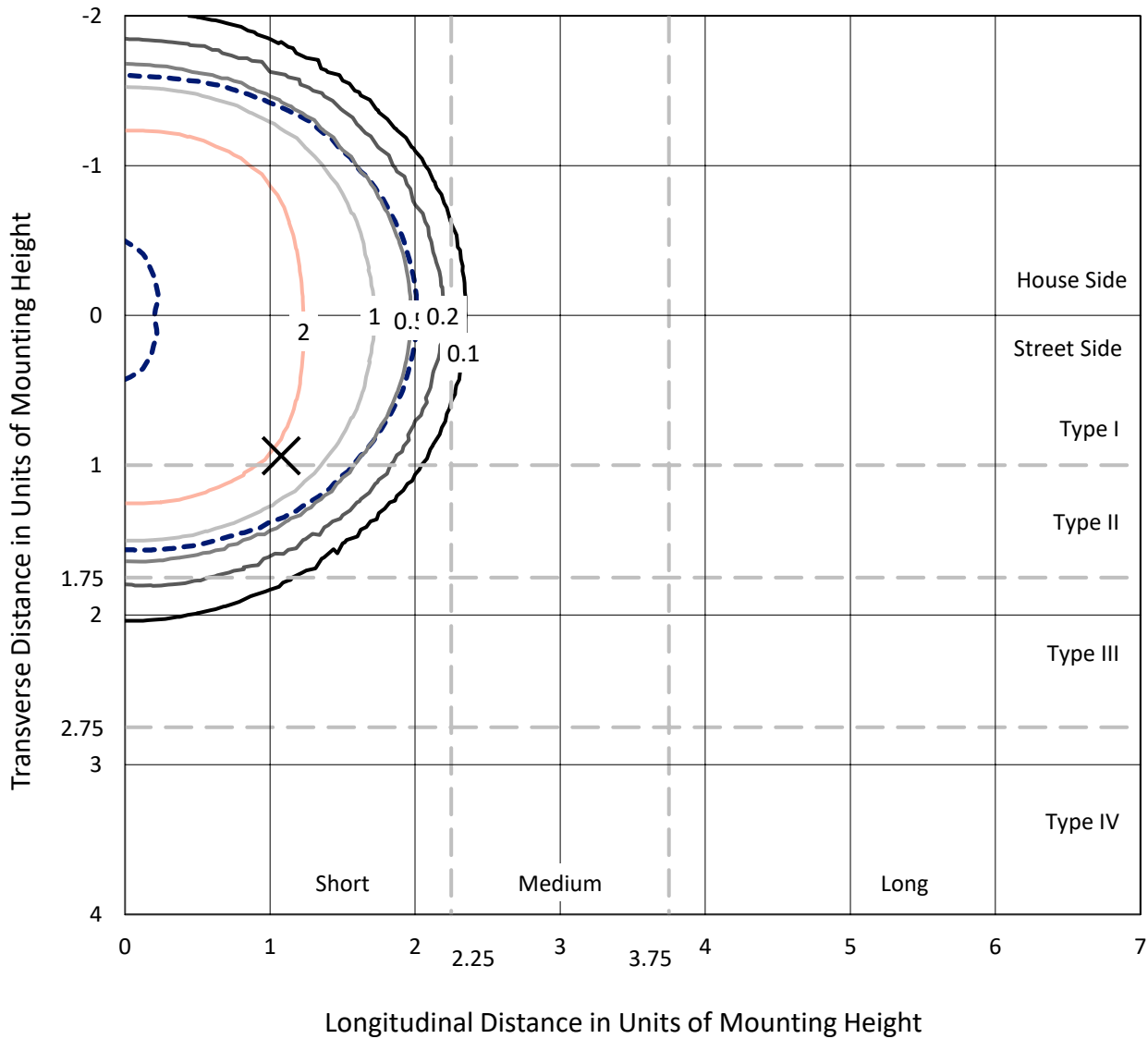


REPORT NUMBER: P628844

CATALOG NUMBER: GWS-SA1A-740-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

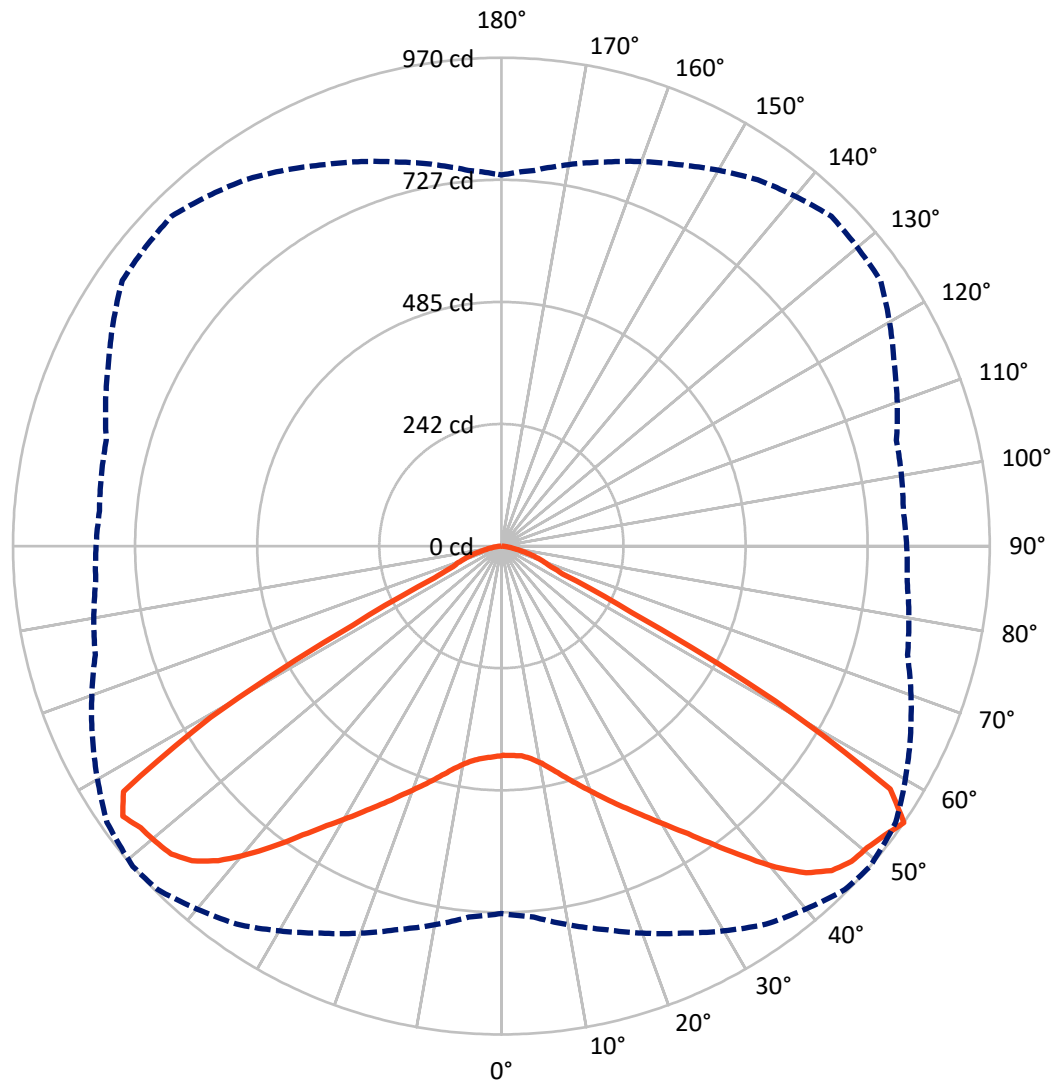
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P628844
CATALOG NUMBER: GWS-SA1A-740-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P628844

CATALOG NUMBER: GWS-SA1A-740-U-RW-W-GRSWH

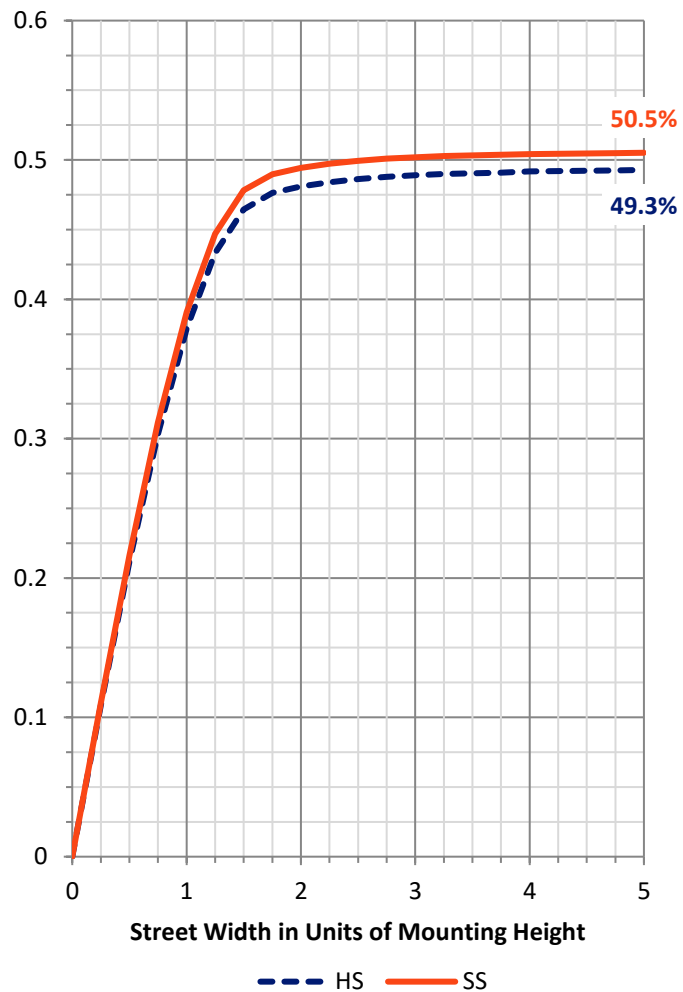
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1241.1	0.0	1241.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1265.7	0.0	1265.7
	% Fixture	50.5	0.0	50.5
Total	Lumens	2506.9	0.0	2506.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.6
10°-20°	133.6	5.3
20°-30°	254.5	10.2
30°-40°	431.5	17.2
40°-50°	649.3	25.9
50°-60°	710.7	28.4
60°-70°	224.7	9.0
70°-80°	53.9	2.2
80°-90°	8.1	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°	2506.9	100.0
0°-180°	2506.9	100.0

Coefficient of Utilization



REPORT NUMBER: P628844

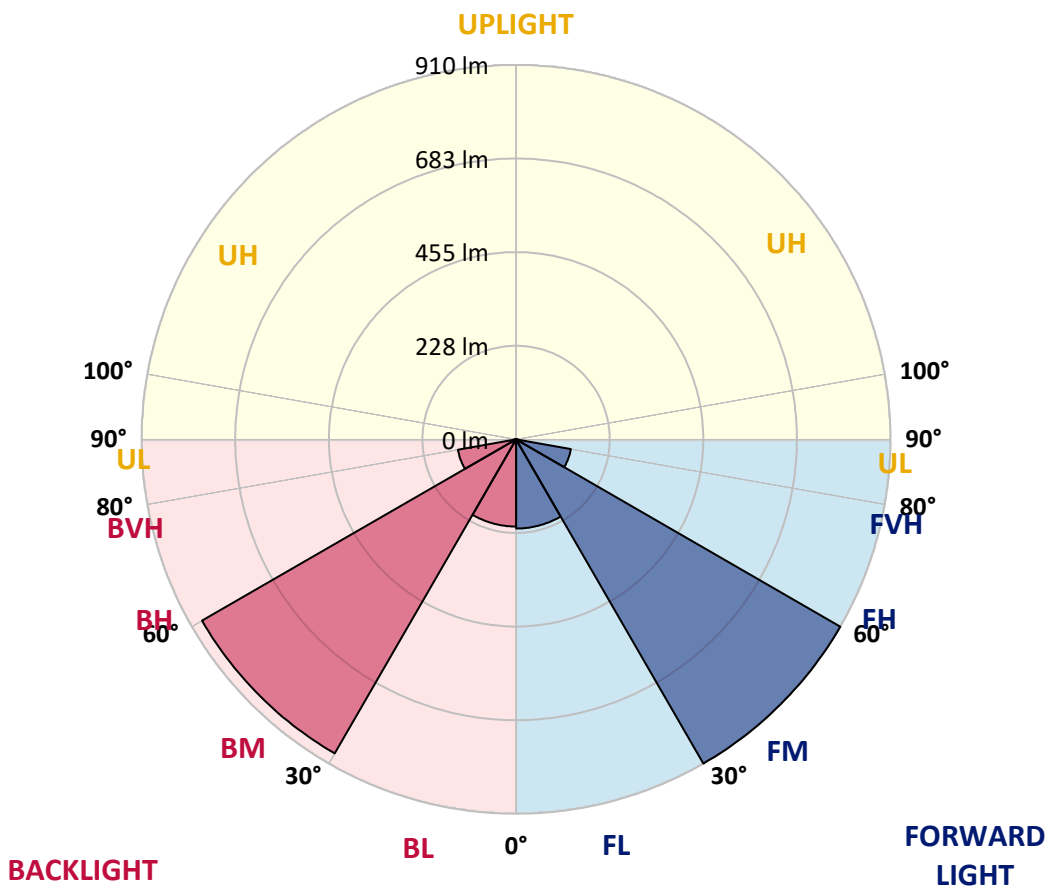
CATALOG NUMBER: GWS-SA1A-740-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.7	8.6			
FM (30°-60°)	910.1	36.3			
FH (60°-80°)	135.2	5.4			G0/660
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	211.9	8.5	B1/500		
BM (30°-60°)	881.4	35.2	B1/1000		
BH (60°-80°)	143.5	5.7	B1/500		G0/660
BVH (80°-90°)	4.3	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





REPORT NUMBER: P628844
 CATALOG NUMBER: GWS-SA1A-740-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3
2.5°	409.2	409.6	410.4	411.8	413.2	415.3	416.1	417.1	416.9	418.1	418.1
5°	407.1	407.7	409.0	411.0	413.4	417.3	418.3	420.8	423.2	426.3	427.3
7.5°	409.6	410.4	411.8	415.1	418.7	423.8	425.9	430.0	434.7	440.2	442.4
10°	414.3	415.3	417.7	423.0	428.9	436.7	438.5	443.6	451.2	458.7	463.2
12.5°	419.6	421.2	425.7	434.0	442.8	453.0	455.9	462.2	470.3	480.1	486.2
15°	425.7	427.1	434.0	445.9	459.5	473.0	476.2	482.4	491.5	501.1	509.7
17.5°	438.5	441.0	449.1	462.8	478.7	494.6	498.3	505.2	512.5	520.1	528.2
20°	456.1	458.1	468.5	485.4	504.2	518.6	522.3	528.4	531.9	535.8	542.7
22.5°	473.6	476.4	488.3	508.2	530.3	546.0	548.8	554.5	552.1	550.9	555.3
25°	495.4	499.3	510.9	532.7	555.1	574.5	576.7	581.6	577.6	571.2	571.0
27.5°	522.5	526.0	538.0	560.4	582.7	602.8	607.1	613.6	604.7	596.9	591.4
30°	554.7	557.0	570.2	594.1	616.9	636.1	641.6	648.1	641.4	628.5	623.0
32.5°	592.2	595.3	610.6	635.7	656.1	675.2	680.7	688.9	681.5	667.1	660.1
35°	637.3	640.4	656.5	683.8	704.6	724.4	728.2	735.0	725.8	709.1	703.6
37.5°	686.2	690.1	710.5	736.4	758.2	781.2	781.4	783.5	770.4	749.6	743.5
40°	741.3	746.4	766.8	793.7	820.0	838.7	838.5	832.8	810.8	778.6	769.2
42.5°	795.7	799.8	820.4	848.1	874.4	892.1	886.8	873.0	841.2	797.3	784.9
45°	835.1	838.1	859.7	890.9	917.6	928.6	919.0	902.3	859.3	809.2	790.8
47.5°	853.6	857.7	879.5	910.5	940.7	947.0	935.6	919.9	869.9	820.2	795.5
50°	843.6	848.9	873.6	902.3	936.4	949.4	941.3	925.6	881.1	831.0	803.9
52.5°	817.7	822.8	854.0	888.9	927.4	953.3	953.1	940.2	894.0	834.0	804.3
55°	729.2	739.2	787.8	847.9	916.4	964.7	969.6	955.9	896.0	834.8	808.5
57.5°	474.6	492.1	538.2	616.5	753.9	877.5	910.5	913.7	881.3	831.4	809.4
60°	198.2	212.2	248.7	300.7	414.3	561.3	625.3	689.5	767.0	795.1	801.8
62.5°	123.1	124.4	128.0	139.9	177.8	249.5	290.7	350.9	466.0	564.1	609.4
65°	111.1	111.7	112.5	111.7	113.6	122.3	133.3	154.3	201.2	249.9	307.8
67.5°	97.9	98.7	99.3	98.7	99.3	99.7	100.9	102.8	111.3	118.2	123.5
70°	79.1	80.3	81.3	80.9	83.4	83.4	84.6	86.0	90.3	95.4	99.1
72.5°	60.3	59.3	60.5	61.0	63.2	64.4	66.3	67.9	72.8	75.8	80.5
75°	39.1	38.1	40.0	41.0	44.0	45.7	47.3	48.9	52.4	54.4	58.9
77.5°	21.2	21.0	22.8	24.3	27.5	29.6	30.8	32.0	34.9	35.5	38.3
80°	12.2	12.2	13.5	14.5	16.5	18.8	20.0	21.0	23.0	23.6	24.9
82.5°	6.7	6.7	7.3	8.0	9.6	10.8	11.8	12.6	14.5	15.1	15.7
85°	3.3	3.1	3.5	3.9	4.5	5.1	5.7	6.1	7.5	8.0	8.8
87.5°	0.4	0.4	0.4	0.6	0.8	1.2	1.4	1.4	2.2	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



REPORT NUMBER: P628844
 CATALOG NUMBER: GWS-SA1A-740-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3
2.5°	419.4	416.7	418.3	419.0	419.0	418.3	415.7	414.9	413.7	411.8	411.8
5°	428.7	426.7	427.1	426.1	423.6	420.6	415.7	413.2	411.2	409.0	408.8
7.5°	444.8	442.2	441.8	437.9	431.4	424.9	417.5	413.0	410.0	407.1	406.9
10°	465.8	463.4	460.3	452.6	443.0	433.4	423.4	417.3	412.8	408.8	408.6
12.5°	489.3	486.4	480.7	469.3	457.3	447.9	436.5	427.1	420.4	414.9	413.9
15°	514.8	510.7	500.9	487.5	475.6	465.6	453.4	440.0	429.8	421.0	420.0
17.5°	534.3	529.0	518.4	505.8	496.0	486.0	470.1	453.2	438.5	427.5	425.9
20°	547.8	543.5	531.5	522.1	516.4	507.6	489.1	469.9	453.4	439.5	438.7
22.5°	560.2	555.1	543.3	537.8	537.8	531.9	514.2	491.5	472.2	456.1	454.0
25°	574.3	568.8	559.8	559.2	562.1	559.4	538.0	513.8	491.1	473.0	469.7
27.5°	593.9	587.8	582.5	586.1	590.2	587.3	563.5	535.4	511.5	493.2	490.3
30°	625.1	617.5	612.6	617.1	625.1	616.7	590.8	561.1	537.0	516.8	515.4
32.5°	661.4	652.8	647.7	654.8	662.0	648.9	623.2	594.7	569.4	548.2	545.8
35°	705.0	694.2	686.6	696.2	703.6	690.7	665.2	638.1	610.0	588.0	584.7
37.5°	743.7	730.7	725.6	739.0	748.8	740.5	712.7	687.2	656.5	632.4	631.0
40°	771.9	759.0	755.3	777.6	794.7	792.6	767.8	738.6	709.7	681.9	679.3
42.5°	784.1	775.1	775.9	805.9	832.4	845.4	823.2	792.0	764.1	735.4	733.5
45°	786.7	781.2	787.8	825.3	860.1	886.8	867.9	841.8	810.2	782.5	781.6
47.5°	789.6	786.5	796.5	836.3	877.7	908.6	898.0	871.1	839.1	812.0	810.0
50°	796.3	795.1	806.3	844.0	886.0	914.6	902.5	875.8	843.0	816.3	811.4
52.5°	798.4	796.3	812.4	856.1	899.9	914.4	888.5	853.6	820.6	790.8	785.7
55°	804.7	801.0	812.0	860.5	919.0	926.2	887.6	835.5	789.4	748.8	736.8
57.5°	806.3	802.2	809.4	853.2	898.3	891.9	780.2	674.2	587.3	542.3	547.4
60°	797.5	798.8	786.5	781.6	720.5	636.1	477.7	381.8	299.9	265.2	272.8
62.5°	607.1	612.2	570.4	496.0	381.4	302.3	200.0	155.3	131.5	125.4	126.4
65°	306.4	313.3	269.9	223.2	166.0	134.1	116.0	112.3	111.1	109.7	109.7
67.5°	121.3	123.3	121.7	114.0	106.0	103.2	102.3	101.9	100.5	99.7	99.9
70°	97.4	99.1	96.6	91.7	88.5	88.3	87.9	87.1	86.0	86.0	86.6
72.5°	79.5	81.1	77.7	74.6	72.2	70.3	69.3	68.7	67.3	67.3	67.9
75°	58.5	59.5	56.7	56.3	53.6	51.8	50.2	49.3	47.5	46.7	47.3
77.5°	38.9	38.7	37.3	37.3	36.3	34.0	32.2	30.4	27.9	26.3	26.7
80°	25.3	25.3	24.7	24.7	23.6	21.8	19.6	17.7	16.3	15.1	15.1
82.5°	16.1	15.9	15.7	15.5	15.1	13.3	11.6	10.4	9.4	8.6	8.8
85°	9.0	9.0	8.6	8.6	7.7	6.7	5.9	5.1	4.5	4.3	4.3
87.5°	3.1	3.1	2.9	2.9	2.4	1.8	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)