

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: P629149

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 2253.2 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

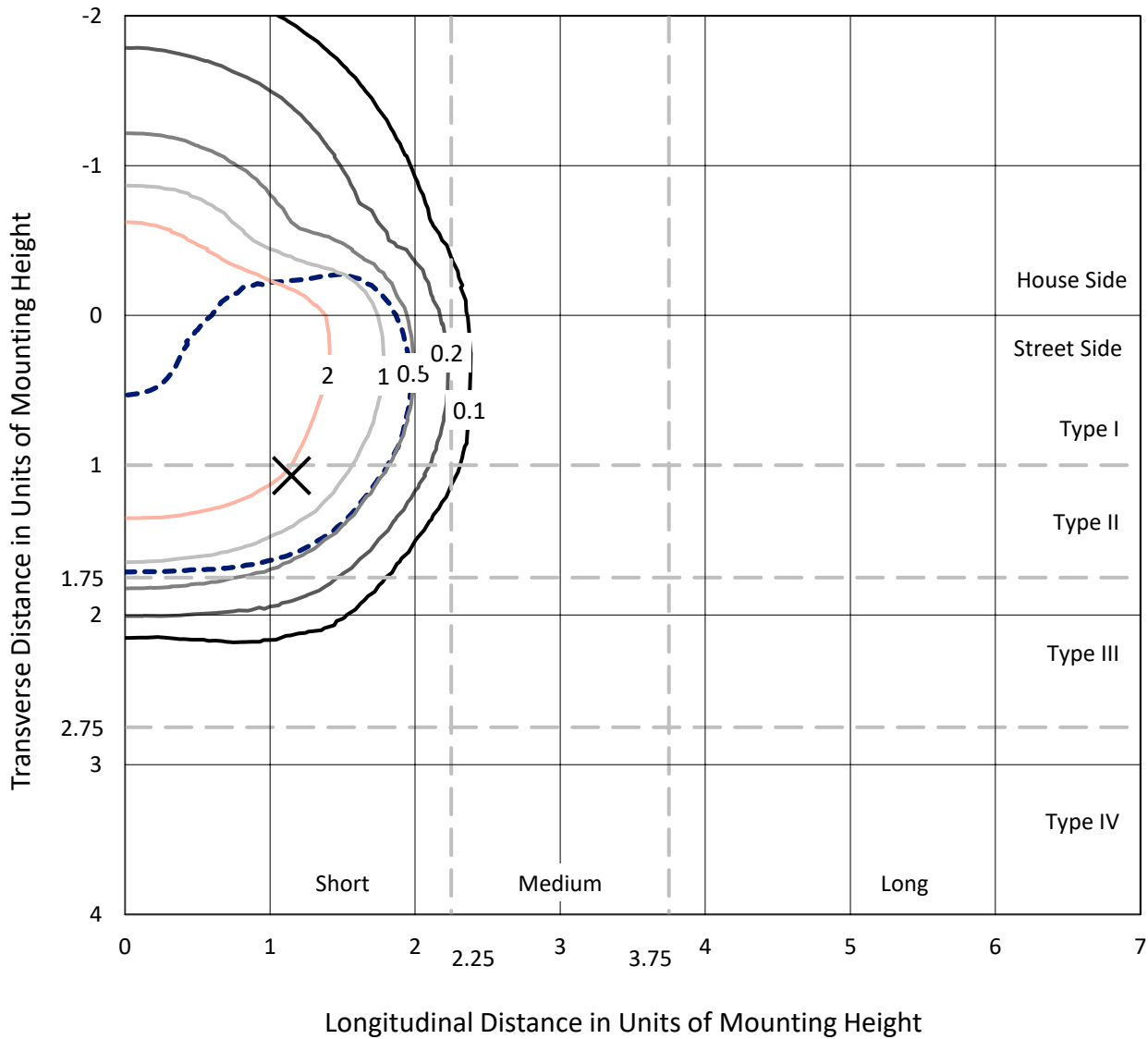
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

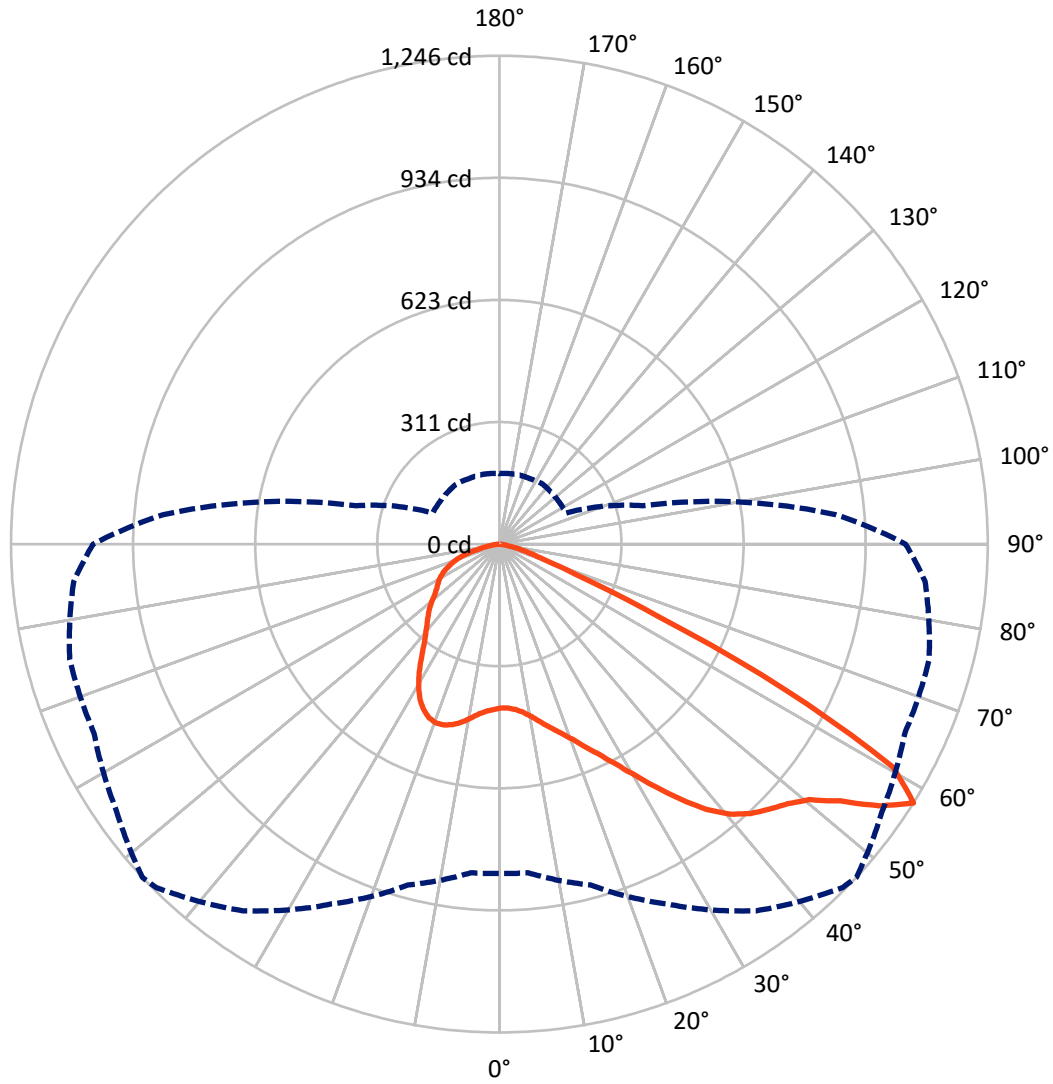
✕ Max cd
 - - - 1/2 Max cd



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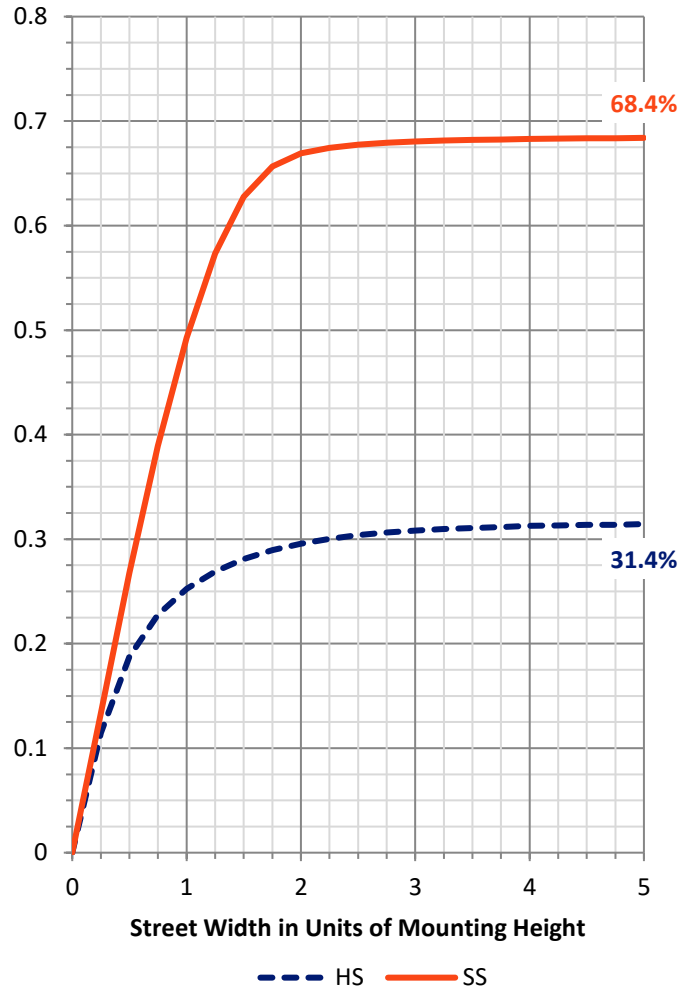
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	713.1	0.0	713.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	1540.1	0.0	1540.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	2253.2	0.0	2253.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.8
10°-20°	135.6	6.0
20°-30°	244.1	10.8
30°-40°	368.7	16.4
40°-50°	496.4	22.0
50°-60°	596.5	26.5
60°-70°	290.5	12.9
70°-80°	71.6	3.2
80°-90°	8.6	0.4
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°	2253.2	100.0
0°-180°	2253.2	100.0

Coefficient of Utilization



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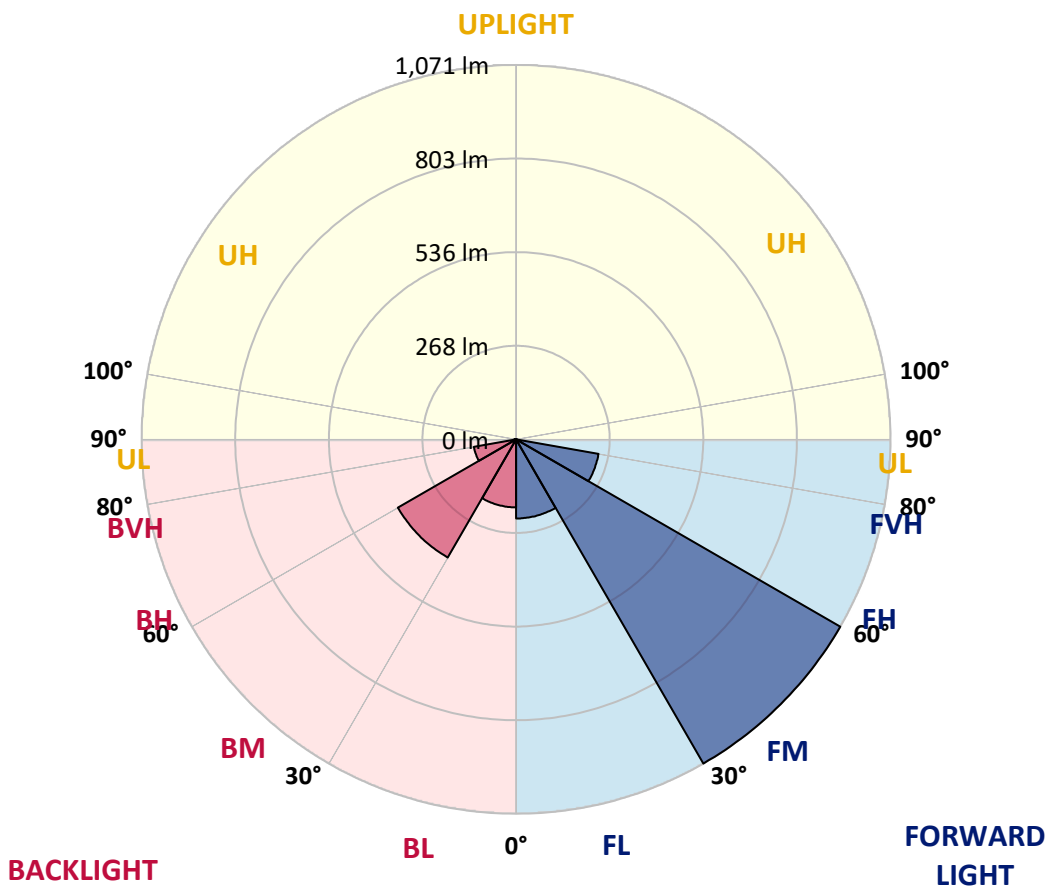
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.3	10.0			
FM (30°-60°)	1071.1	47.5			
FH (60°-80°)	239.4	10.6			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	194.5	8.6	B1/500		
BM (30°-60°)	390.6	17.3	B1/1000		
BH (60°-80°)	122.6	5.4	B1/500		G1/500
BVH (80°-90°)	5.4	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9
2.5°	417.1	416.9	416.9	418.0	418.0	418.4	419.0	419.6	419.8	418.8	416.7
5°	421.6	421.6	421.6	422.6	422.6	423.0	423.7	423.9	423.7	422.2	420.1
7.5°	428.8	428.8	429.0	430.2	431.1	431.7	433.0	432.8	432.2	429.8	427.1
10°	440.6	441.1	441.7	443.0	444.9	446.2	447.2	447.2	446.4	442.7	439.2
12.5°	457.2	458.0	458.5	459.7	461.2	463.5	465.5	465.5	464.6	459.9	454.8
15°	476.7	477.5	477.3	477.7	480.5	483.7	485.4	486.6	486.9	480.3	472.4
17.5°	499.0	499.8	499.0	497.9	498.3	503.4	506.4	510.6	513.1	504.2	491.5
20°	519.3	518.5	518.5	519.3	520.4	526.7	531.2	538.0	541.1	530.3	510.6
22.5°	540.7	542.4	541.6	541.6	546.2	556.6	562.1	571.0	574.2	560.2	533.7
25°	568.3	569.8	569.4	569.8	575.1	589.9	595.4	611.8	615.1	595.0	559.2
27.5°	598.6	601.1	602.2	601.8	610.3	629.6	636.4	659.3	665.2	634.0	586.5
30°	638.0	640.6	641.6	641.2	651.2	677.5	685.3	711.4	719.7	680.2	621.1
32.5°	683.6	686.2	689.1	690.2	703.1	729.9	741.1	768.2	780.1	733.5	662.9
35°	728.8	731.1	736.6	745.4	763.0	790.5	800.3	827.0	838.6	789.0	713.5
37.5°	778.8	780.3	785.0	797.3	822.7	848.8	858.6	884.2	885.5	842.5	770.6
40°	833.4	833.4	832.5	844.6	871.1	897.4	905.9	920.7	912.9	883.8	826.3
42.5°	879.8	879.1	879.8	891.2	910.8	932.2	939.6	936.8	926.9	915.4	876.6
45°	921.6	922.2	929.0	937.7	947.9	960.6	965.0	948.9	940.0	940.8	916.9
47.5°	950.0	950.6	966.5	981.1	987.3	991.3	989.4	967.1	962.5	971.0	947.9
50°	953.8	956.8	984.3	1014.2	1029.7	1030.3	1025.0	997.7	996.4	1006.0	964.6
52.5°	954.6	957.6	991.8	1045.8	1086.1	1094.6	1088.6	1060.2	1046.4	1036.7	985.0
55°	951.7	955.1	993.0	1067.0	1144.2	1178.3	1178.8	1138.7	1094.6	1088.2	1043.3
57.5°	840.3	841.6	900.3	1013.0	1141.9	1238.4	1245.8	1191.3	1141.0	1134.9	1090.1
60°	585.3	590.6	654.4	803.4	959.3	1129.4	1153.3	1137.4	1103.7	1059.6	935.3
62.5°	293.1	297.7	361.7	502.5	661.6	796.0	821.5	838.4	846.3	799.0	636.8
65°	126.2	129.6	169.4	262.5	374.5	439.4	448.3	468.6	518.2	462.3	343.1
67.5°	84.4	86.7	106.9	160.1	220.7	224.8	223.5	227.9	238.6	197.0	155.0
70°	64.7	66.6	80.2	117.3	158.6	135.7	128.5	116.6	126.6	129.1	125.7
72.5°	46.9	48.4	58.7	80.1	99.4	86.7	85.5	91.6	105.2	109.0	106.9
75°	30.3	31.0	37.3	43.9	51.3	55.6	57.9	68.9	82.7	85.5	83.1
77.5°	20.2	20.8	24.4	28.2	29.1	29.3	30.1	35.0	44.5	49.8	49.2
80°	10.6	10.6	11.9	11.9	13.6	16.3	17.0	20.2	24.6	27.3	27.4
82.5°	4.2	4.4	5.1	5.7	6.8	8.3	8.9	10.6	12.9	14.8	16.5
85°	1.7	1.9	2.1	2.5	3.0	3.8	4.0	4.5	6.1	7.6	8.5
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	0.6	0.8	0.9	1.7	2.3
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°	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9
2.5°	419.2	416.7	419.2	419.9	422.0	422.8	421.5	421.3	421.3	419.4	418.8
5°	422.0	419.8	422.2	423.3	426.4	428.3	428.6	430.2	431.1	430.3	430.2
7.5°	429.0	426.2	428.8	430.5	434.5	437.5	438.9	442.3	444.7	444.4	444.2
10°	441.3	437.5	440.6	443.4	447.8	451.4	451.5	453.4	455.9	455.1	454.8
12.5°	455.5	451.9	455.3	458.2	463.3	464.8	462.3	461.6	462.0	461.0	460.3
15°	472.9	467.8	470.8	474.1	476.9	475.2	469.9	467.8	467.6	466.3	465.5
17.5°	490.3	483.9	486.2	487.9	486.6	481.3	474.6	471.0	469.3	466.7	465.9
20°	507.6	499.4	499.0	497.7	491.7	482.0	473.1	465.9	461.6	458.0	456.7
22.5°	527.2	515.9	510.2	504.2	490.9	475.2	461.8	451.5	444.5	440.0	438.5
25°	548.4	532.4	520.6	508.5	483.3	460.6	441.9	427.9	419.6	414.6	412.9
27.5°	569.4	547.3	529.7	509.1	468.2	439.6	414.5	395.5	387.2	383.2	381.9
30°	597.8	567.2	540.5	501.7	448.3	410.5	379.1	359.9	354.5	351.6	350.5
32.5°	630.6	592.3	554.9	486.2	423.0	376.4	343.3	330.0	326.3	320.8	320.6
35°	673.7	628.3	568.5	463.3	391.0	339.9	315.9	306.4	299.6	290.9	290.1
37.5°	724.1	673.2	575.9	434.1	353.7	309.8	295.4	284.8	273.8	262.3	260.8
40°	776.1	725.6	576.4	399.7	317.2	289.9	277.8	264.0	250.4	237.5	235.8
42.5°	830.8	774.4	566.4	359.9	287.3	272.7	260.4	243.0	227.7	219.0	218.0
45°	879.6	813.8	543.7	318.1	265.1	258.3	242.6	223.9	215.7	209.5	208.2
47.5°	918.0	839.9	513.1	280.7	247.2	243.6	223.1	213.5	207.2	201.5	200.2
50°	937.0	845.7	473.1	250.2	230.5	226.2	212.1	204.8	200.6	196.1	194.9
52.5°	960.4	852.4	438.7	224.6	214.2	208.4	203.1	197.2	194.2	191.3	190.4
55°	1014.4	877.4	420.5	204.2	198.7	196.1	195.3	190.4	189.4	187.5	185.8
57.5°	1036.3	861.3	377.5	187.5	186.4	186.8	188.7	184.1	183.2	180.9	179.8
60°	833.4	651.0	255.7	173.2	176.2	178.6	180.5	176.0	174.7	174.3	172.8
62.5°	534.1	400.4	178.5	159.7	164.3	167.3	168.4	164.1	163.1	166.2	166.3
65°	278.0	218.2	144.8	145.3	149.1	153.7	155.9	154.4	154.0	157.3	157.5
67.5°	141.9	133.4	126.2	128.3	131.3	137.2	142.5	149.1	151.4	151.8	152.0
70°	120.9	117.1	113.5	114.9	118.1	121.3	126.4	129.6	125.8	124.9	124.5
72.5°	103.0	100.1	98.4	99.9	101.6	101.1	99.5	101.1	101.6	101.8	102.0
75°	80.1	78.0	76.6	76.8	76.8	74.8	71.9	70.2	68.3	66.8	66.8
77.5°	49.0	49.4	50.7	50.5	50.3	49.6	46.7	45.2	40.7	39.4	39.4
80°	28.0	28.6	29.9	30.3	30.3	29.3	26.5	24.8	22.7	21.8	21.6
82.5°	17.0	17.8	18.5	18.9	19.1	18.0	15.5	14.2	13.1	12.1	12.1
85°	8.9	9.3	10.0	10.2	9.7	8.5	7.2	6.6	5.5	5.3	5.3
87.5°	2.5	2.6	3.0	2.5	2.3	1.7	0.9	0.8	0.4	0.2	0.2
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)