

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: P628929

Luminaire Tested: GWS-SA1A-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628929
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-SA1A-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2482.8 lumens
Efficiency: N/A
Efficacy: 126.0 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

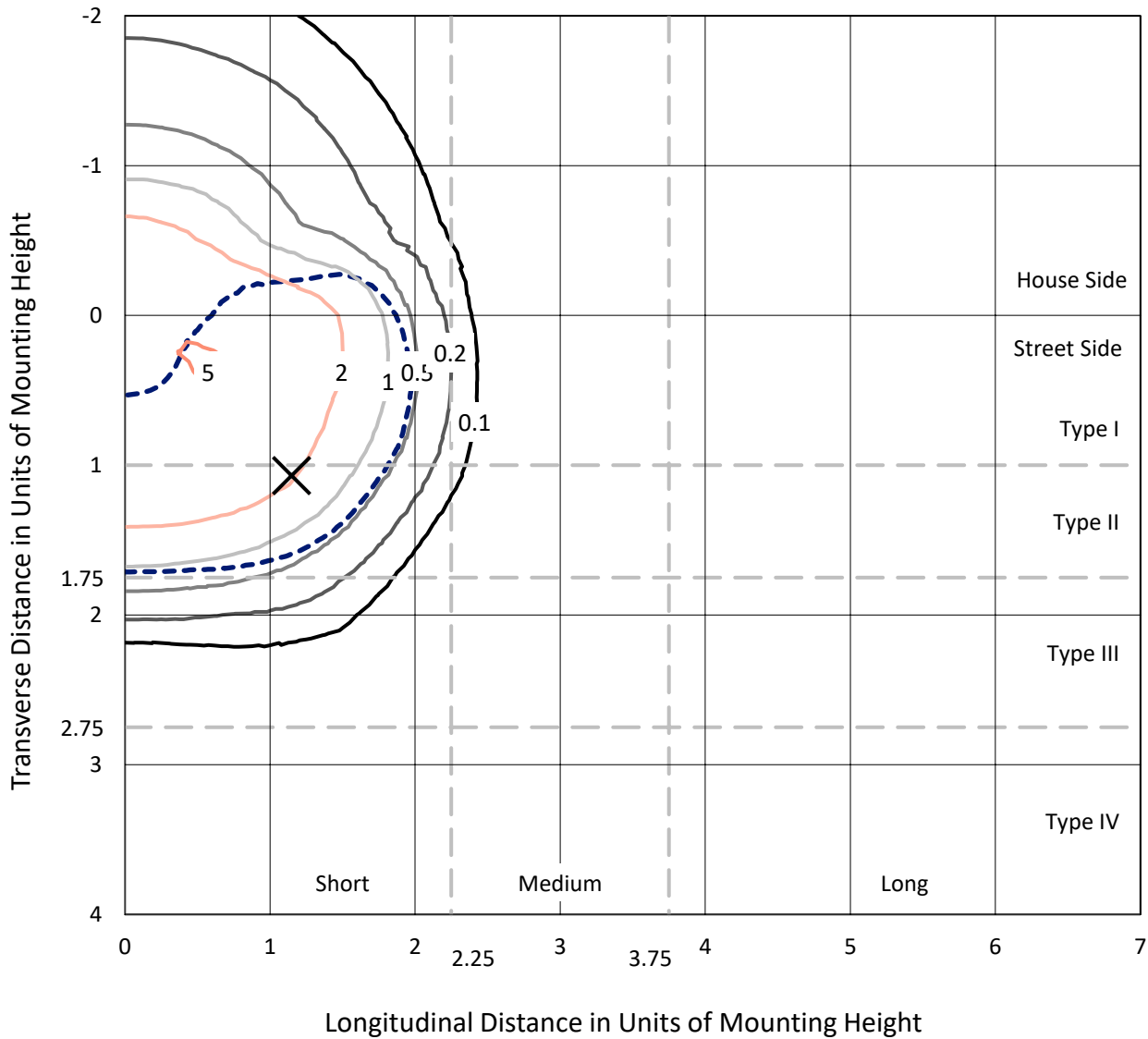
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

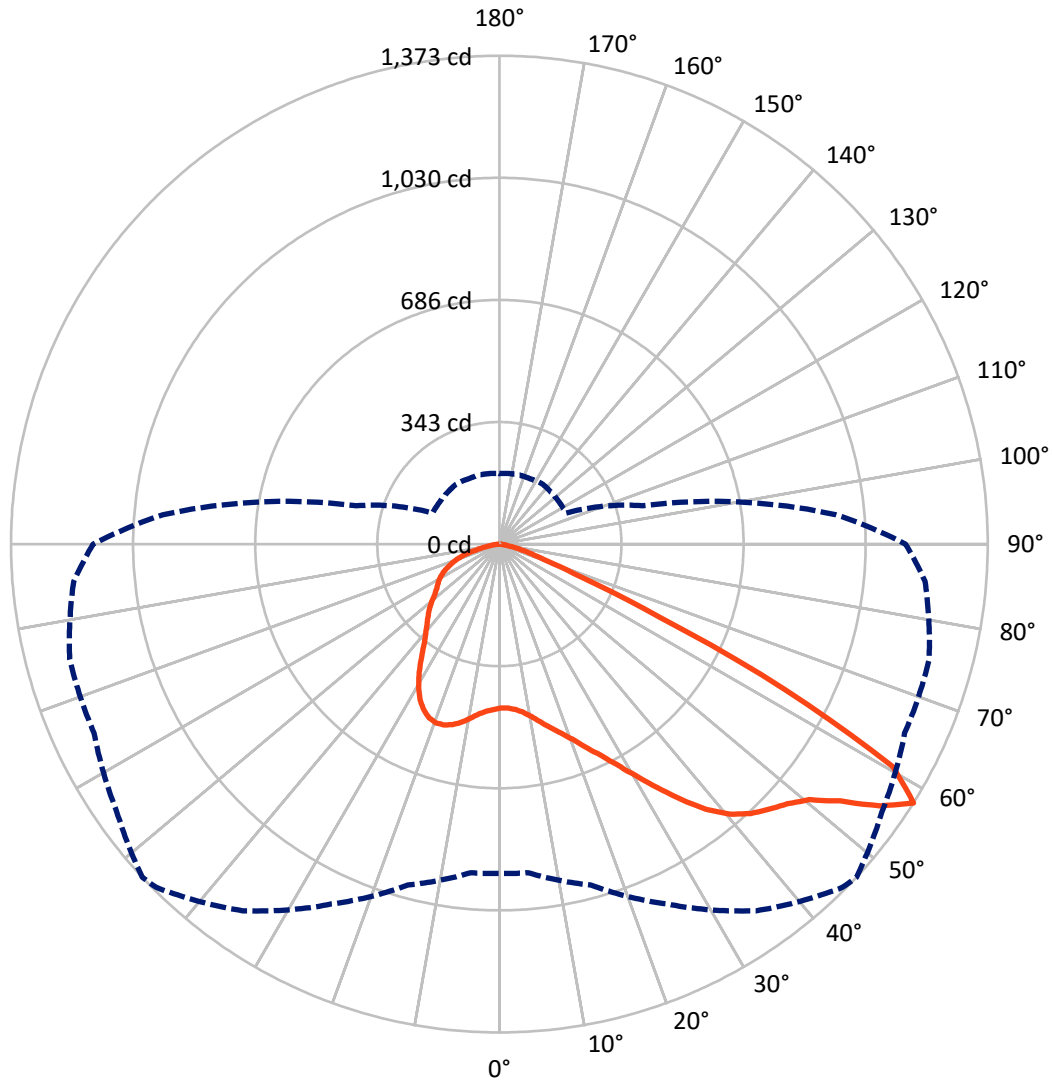
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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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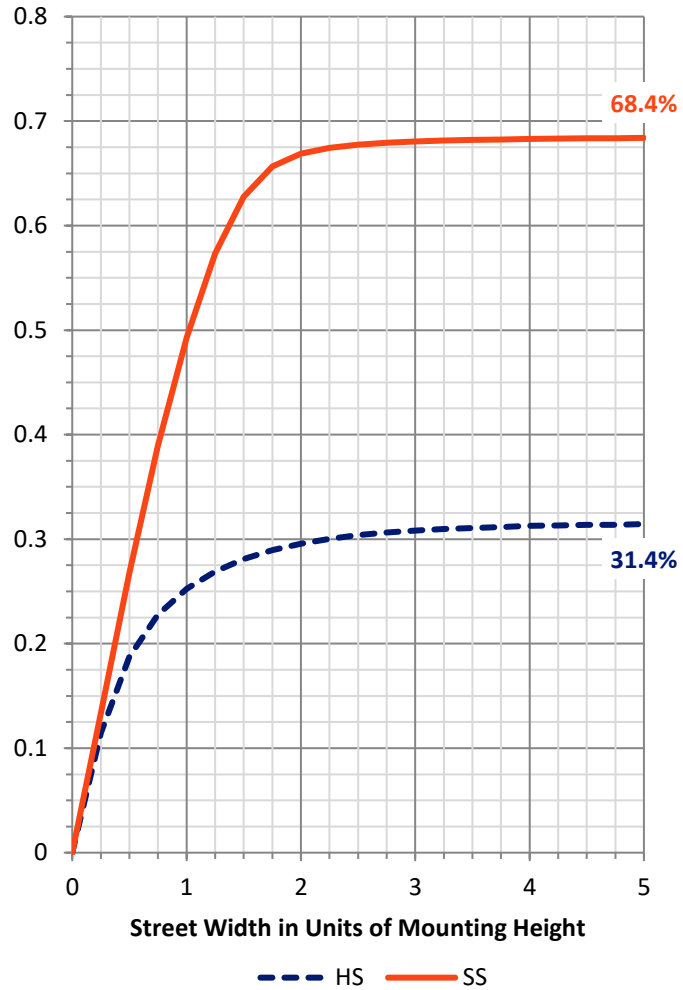
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	785.8	0.0	785.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	1697.0	0.0	1697.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	2482.8	0.0	2482.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.8
10°-20°	149.4	6.0
20°-30°	269.0	10.8
30°-40°	406.2	16.4
40°-50°	547.0	22.0
50°-60°	657.3	26.5
60°-70°	320.1	12.9
70°-80°	78.9	3.2
80°-90°	9.5	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°	2482.8	100.0
0°-180°	2482.8	100.0

Coefficient of Utilization



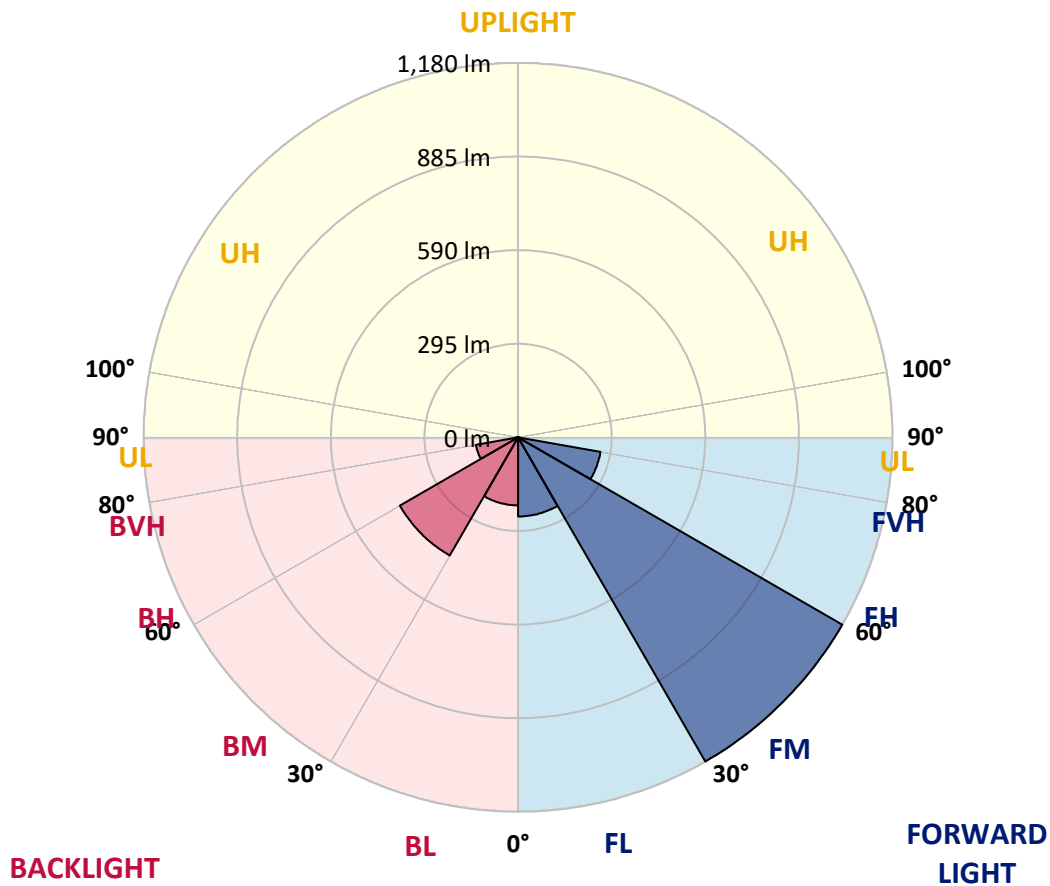
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.4	10.0			
FM (30°-60°)	1180.2	47.5			
FH (60°-80°)	263.8	10.6			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	214.4	8.6	B1/500		
BM (30°-60°)	430.4	17.3	B1/1000		
BH (60°-80°)	135.2	5.4	B1/500		G1/500
BVH (80°-90°)	5.9	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°	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4
2.5°	459.6	459.4	459.4	460.6	460.6	461.1	461.7	462.3	462.5	461.5	459.2
5°	464.6	464.6	464.6	465.7	465.7	466.1	466.9	467.1	466.9	465.2	462.9
7.5°	472.5	472.5	472.7	474.0	475.0	475.7	477.1	476.9	476.3	473.6	470.7
10°	485.5	486.1	486.7	488.2	490.3	491.7	492.8	492.8	491.9	487.8	484.0
12.5°	503.8	504.6	505.3	506.5	508.2	510.7	513.0	513.0	511.9	506.7	501.1
15°	525.3	526.1	525.9	526.3	529.5	533.0	534.9	536.1	536.6	529.3	520.5
17.5°	549.9	550.7	549.9	548.6	549.1	554.7	558.0	562.6	565.3	555.5	541.6
20°	572.2	571.4	571.4	572.2	573.5	580.3	585.3	592.9	596.2	584.3	562.6
22.5°	595.8	597.7	596.8	596.8	601.8	613.3	619.3	629.1	632.7	617.3	588.1
25°	626.2	627.9	627.5	627.9	633.7	650.0	656.0	674.2	677.7	655.6	616.2
27.5°	659.6	662.3	663.5	663.1	672.5	693.8	701.3	726.5	733.0	698.6	646.2
30°	703.0	705.9	706.9	706.5	717.6	746.5	755.1	783.9	793.0	749.5	684.4
32.5°	753.2	756.1	759.3	760.5	774.7	804.3	816.6	846.4	859.6	808.3	730.5
35°	803.1	805.6	811.6	821.4	840.8	871.0	881.9	911.3	924.0	869.4	786.2
37.5°	858.1	859.8	865.0	878.5	906.5	935.3	946.1	974.3	975.7	928.4	849.1
40°	918.4	918.4	917.3	930.7	959.9	988.9	998.2	1014.5	1006.0	973.8	910.5
42.5°	969.5	968.6	969.5	982.0	1003.7	1027.2	1035.4	1032.2	1021.4	1008.7	965.9
45°	1015.6	1016.2	1023.7	1033.3	1044.5	1058.5	1063.3	1045.6	1035.8	1036.6	1010.3
47.5°	1046.8	1047.5	1065.0	1081.0	1087.9	1092.3	1090.2	1065.6	1060.6	1070.0	1044.5
50°	1051.0	1054.3	1084.6	1117.5	1134.6	1135.2	1129.4	1099.4	1097.9	1108.6	1062.9
52.5°	1051.8	1055.2	1092.9	1152.3	1196.8	1206.1	1199.5	1168.2	1153.0	1142.3	1085.4
55°	1048.7	1052.5	1094.2	1175.7	1260.8	1298.3	1298.9	1254.7	1206.1	1199.1	1149.6
57.5°	925.9	927.3	992.0	1116.3	1258.3	1364.6	1372.8	1312.7	1257.2	1250.6	1201.1
60°	645.0	650.8	721.1	885.2	1057.0	1244.5	1270.8	1253.3	1216.2	1167.6	1030.6
62.5°	323.0	328.0	398.5	553.7	729.0	877.1	905.2	923.8	932.6	880.4	701.7
65°	139.1	142.8	186.6	289.2	412.7	484.2	494.0	516.3	571.0	509.4	378.1
67.5°	93.0	95.5	117.8	176.4	243.1	247.7	246.3	251.1	263.0	217.1	170.8
70°	71.3	73.4	88.4	129.3	174.7	149.5	141.6	128.5	139.5	142.2	138.5
72.5°	51.7	53.4	64.6	88.2	109.5	95.5	94.3	100.9	115.9	120.1	117.8
75°	33.4	34.2	41.1	48.4	56.5	61.3	63.8	75.9	91.1	94.3	91.5
77.5°	22.3	22.9	26.9	31.1	32.1	32.3	33.2	38.6	49.0	54.8	54.2
80°	11.7	11.7	13.1	13.1	15.0	17.9	18.8	22.3	27.1	30.0	30.2
82.5°	4.6	4.8	5.6	6.3	7.5	9.2	9.8	11.7	14.2	16.3	18.1
85°	1.9	2.1	2.3	2.7	3.3	4.2	4.4	5.0	6.7	8.3	9.4
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	0.6	0.8	1.0	1.9	2.5
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°	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4
2.5°	461.9	459.2	461.9	462.7	465.0	465.9	464.4	464.2	464.2	462.1	461.5
5°	465.0	462.5	465.2	466.5	469.8	471.9	472.3	474.0	475.0	474.2	474.0
7.5°	472.7	469.6	472.5	474.4	478.8	482.1	483.6	487.3	490.1	489.6	489.4
10°	486.3	482.1	485.5	488.6	493.4	497.3	497.6	499.6	502.4	501.5	501.1
12.5°	501.9	498.0	501.7	504.9	510.5	512.2	509.4	508.6	509.0	508.0	507.2
15°	521.1	515.5	518.8	522.4	525.5	523.6	517.8	515.5	515.3	513.8	513.0
17.5°	540.3	533.2	535.7	537.6	536.1	530.3	523.0	519.0	517.2	514.2	513.4
20°	559.3	550.3	549.9	548.4	541.8	531.1	521.3	513.4	508.6	504.6	503.2
22.5°	581.0	568.5	562.2	555.5	540.9	523.6	508.8	497.6	489.8	484.8	483.2
25°	604.3	586.6	573.7	560.3	532.6	507.6	486.9	471.5	462.3	456.9	455.0
27.5°	627.5	603.1	583.7	561.0	515.9	484.4	456.7	435.8	426.7	422.3	420.8
30°	658.8	625.0	595.6	552.8	494.0	452.3	417.7	396.6	390.6	387.5	386.2
32.5°	694.8	652.7	611.4	535.7	466.1	414.8	378.3	363.7	359.5	353.5	353.3
35°	742.4	692.3	626.4	510.5	430.8	374.5	348.0	337.6	330.1	320.5	319.7
37.5°	797.8	741.7	634.6	478.4	389.7	341.4	325.5	313.8	301.7	289.0	287.4
40°	855.2	799.5	635.2	440.4	349.5	319.5	306.1	290.9	275.9	261.7	259.8
42.5°	915.5	853.3	624.1	396.6	316.6	300.5	286.9	267.8	250.9	241.3	240.2
45°	969.3	896.7	599.1	350.5	292.2	284.6	267.3	246.7	237.7	230.8	229.4
47.5°	1011.6	925.5	565.3	309.3	272.3	268.4	245.9	235.2	228.3	222.1	220.6
50°	1032.4	931.9	521.3	275.7	254.0	249.2	233.8	225.6	221.0	216.0	214.8
52.5°	1058.3	939.2	483.4	247.5	236.1	229.6	223.8	217.3	214.0	210.8	209.8
55°	1117.7	966.8	463.4	225.0	219.0	216.0	215.2	209.8	208.7	206.7	204.8
57.5°	1141.9	949.0	416.0	206.7	205.4	205.8	207.9	202.9	201.9	199.4	198.1
60°	918.4	717.4	281.7	190.8	194.1	196.9	198.9	193.9	192.5	192.1	190.4
62.5°	588.5	441.3	196.6	176.0	181.0	184.3	185.6	180.8	179.8	183.1	183.3
65°	306.3	240.4	159.5	160.2	164.3	169.3	171.8	170.2	169.7	173.3	173.5
67.5°	156.4	147.0	139.1	141.4	144.7	151.2	157.0	164.3	166.8	167.2	167.5
70°	133.3	129.1	125.1	126.6	130.1	133.7	139.3	142.8	138.7	137.6	137.2
72.5°	113.4	110.3	108.4	110.1	112.0	111.4	109.7	111.4	112.0	112.2	112.4
75°	88.2	85.9	84.5	84.7	84.7	82.4	79.2	77.4	75.3	73.6	73.6
77.5°	54.0	54.4	55.9	55.7	55.5	54.6	51.5	49.8	44.8	43.4	43.4
80°	30.9	31.5	32.9	33.4	33.4	32.3	29.2	27.3	25.0	24.0	23.8
82.5°	18.8	19.6	20.4	20.9	21.1	19.8	17.1	15.6	14.4	13.3	13.3
85°	9.8	10.2	11.1	11.3	10.6	9.4	7.9	7.3	6.0	5.8	5.8
87.5°	2.7	2.9	3.3	2.7	2.5	1.9	1.0	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)