

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: P628930

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2135.6 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

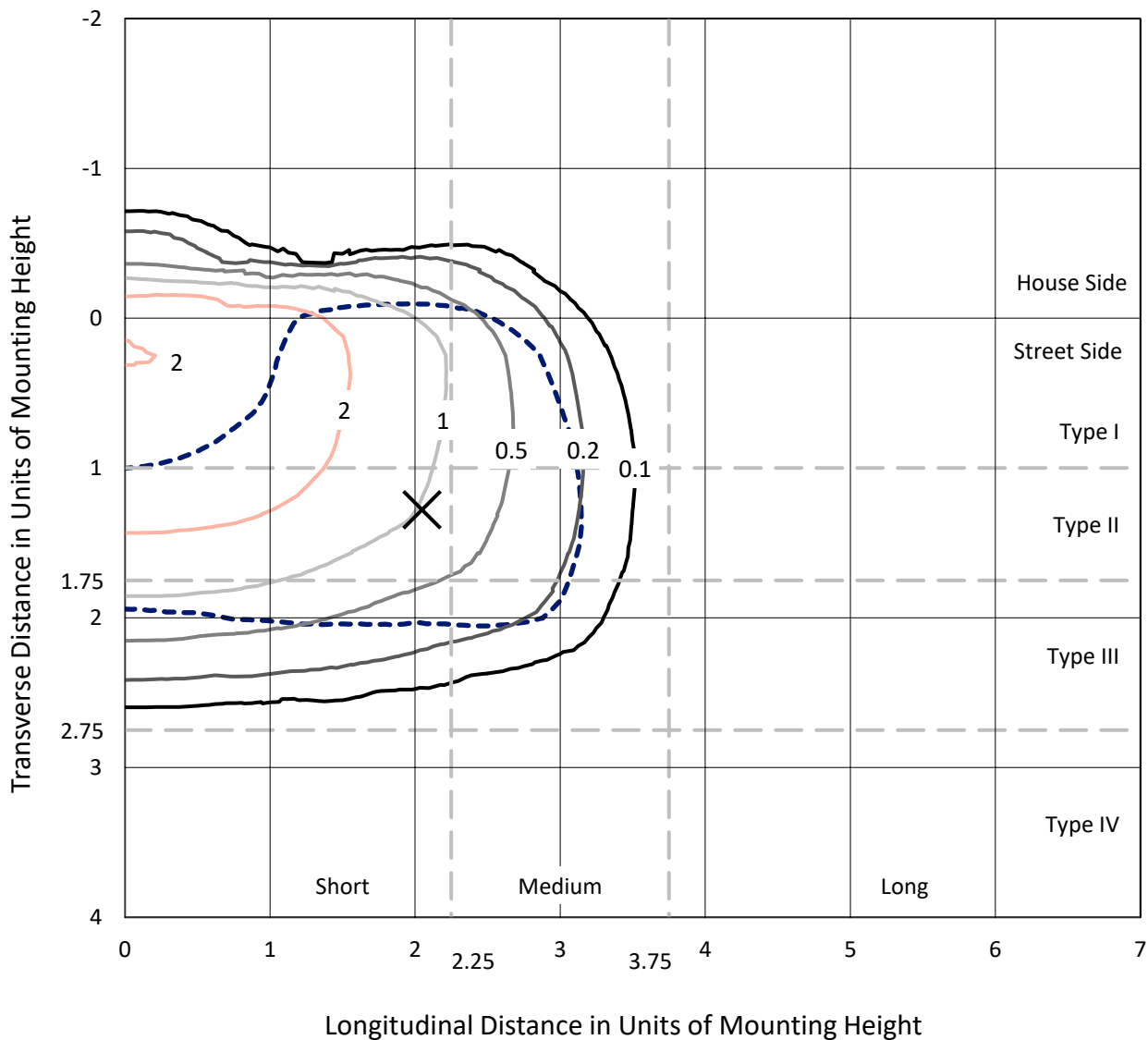
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

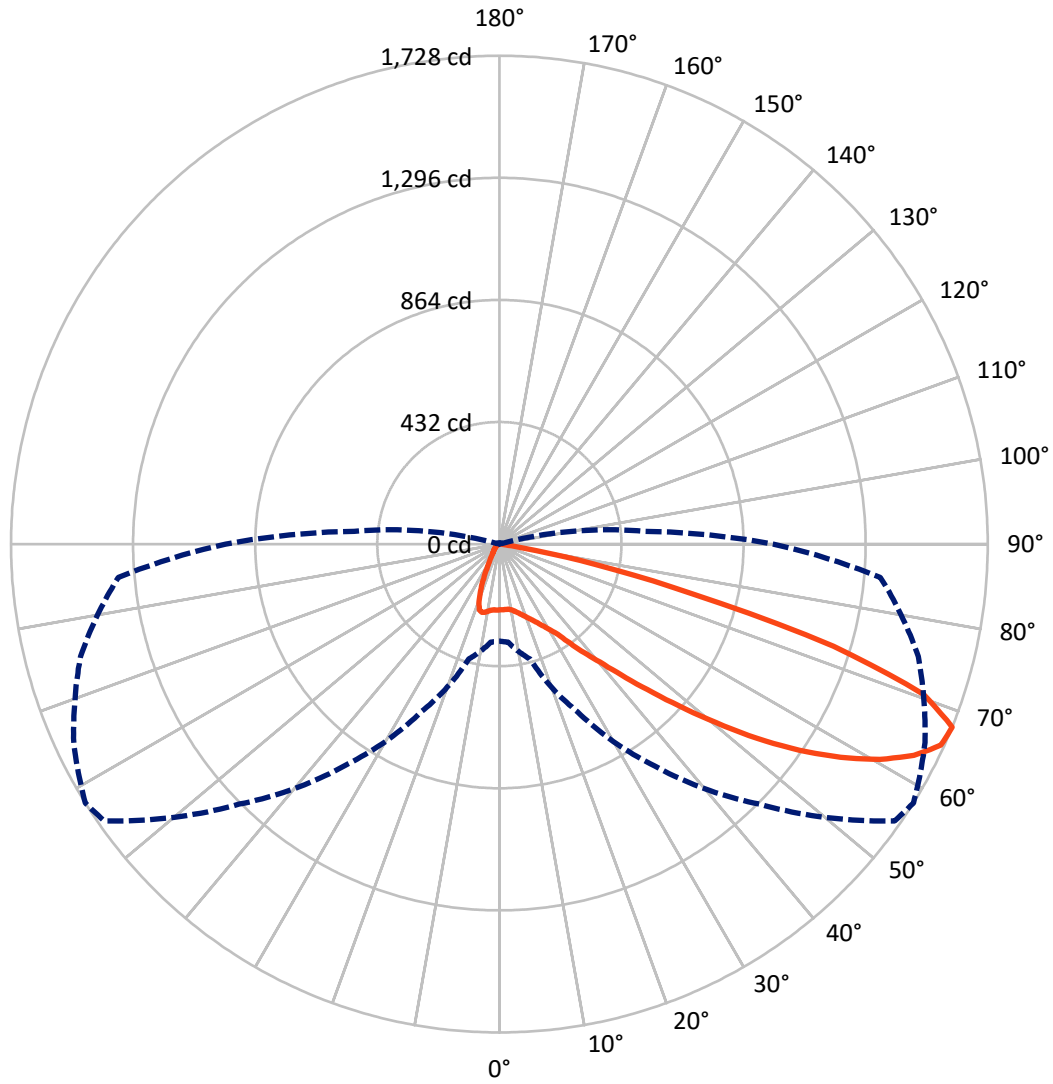
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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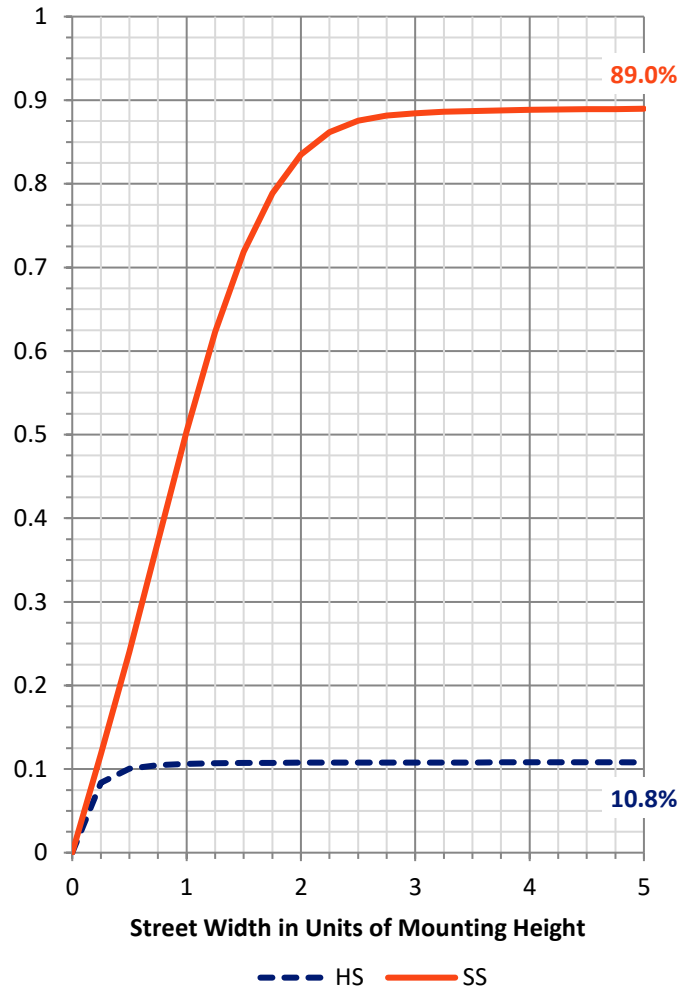
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	233.0	0.0	233.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	1902.6	0.0	1902.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	2135.6	0.0	2135.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	1.0
10°-20°	61.4	2.9
20°-30°	107.1	5.0
30°-40°	191.3	9.0
40°-50°	349.7	16.4
50°-60°	581.6	27.2
60°-70°	631.8	29.6
70°-80°	185.5	8.7
80°-90°	5.3	0.2
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°	2135.6	100.0
0°-180°	2135.6	100.0

Coefficient of Utilization



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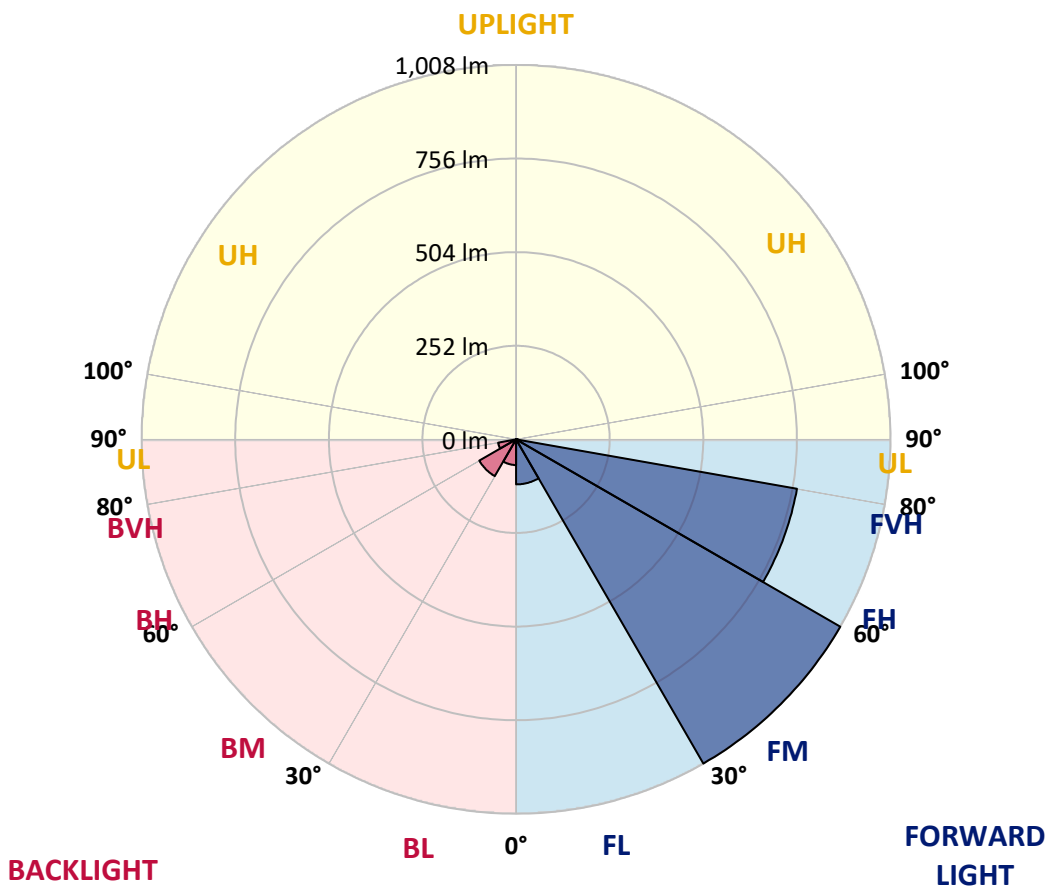
CATALOG NUMBER: GWS-SA1A-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.3	5.7			
FM (30°-60°)	1008.3	47.2			
FH (60°-80°)	768.1	36.0			G1/1800
FVH (80°-90°)	5.0	0.2			G0/10
BL (0°-30°)	69.1	3.2	B0/110		
BM (30°-60°)	114.4	5.4	B0/220		
BH (60°-80°)	49.2	2.3	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	228.3	227.9	227.9	229.6	229.8	230.6	232.5	232.7	233.8	233.3	231.9
5°	216.5	216.7	217.9	220.8	223.3	226.5	231.0	232.1	234.4	235.6	234.8
7.5°	205.4	205.6	207.5	212.1	216.9	223.1	230.6	232.7	237.3	240.6	240.8
10°	201.2	201.0	202.9	208.1	214.4	223.1	234.0	236.7	243.6	249.4	250.4
12.5°	202.5	202.3	204.1	208.9	215.8	226.9	239.8	243.6	252.3	261.3	263.2
15°	207.5	207.3	208.5	212.5	220.0	231.5	247.3	252.9	264.0	274.8	277.8
17.5°	222.5	221.5	220.2	220.6	225.0	236.9	256.9	263.8	277.5	290.5	293.0
20°	249.2	246.5	243.1	238.8	236.7	244.8	268.0	275.9	292.6	307.4	307.8
22.5°	289.4	288.4	280.7	268.0	259.0	259.2	280.9	290.1	310.5	326.8	324.5
25°	345.5	344.9	333.0	312.2	288.8	280.9	297.4	306.7	331.8	349.1	341.8
27.5°	415.2	410.8	396.8	368.7	333.9	309.0	318.2	326.6	354.3	370.6	356.8
30°	475.9	476.1	462.9	433.5	394.3	351.4	343.7	351.0	374.9	392.0	375.3
32.5°	534.2	536.1	521.7	495.3	452.3	406.6	380.1	381.4	401.4	420.0	399.7
35°	588.5	589.9	579.9	557.4	517.4	464.4	431.0	430.4	441.2	460.2	433.7
37.5°	649.1	650.6	640.8	620.6	583.0	530.5	488.8	488.0	492.3	507.8	477.5
40°	713.8	716.5	705.7	688.6	652.7	608.3	555.9	548.4	544.0	562.2	534.2
42.5°	779.3	783.4	779.7	762.6	731.9	695.2	643.1	631.4	622.0	644.8	615.2
45°	860.6	865.6	863.9	850.8	827.0	797.2	748.0	734.4	730.1	751.1	715.9
47.5°	938.8	944.2	950.3	947.3	930.4	916.7	862.1	854.3	853.1	875.6	821.0
50°	997.0	1002.0	1025.1	1041.8	1053.3	1050.4	1003.0	991.5	989.7	1004.1	931.9
52.5°	1038.7	1043.5	1075.4	1127.5	1169.6	1192.6	1144.8	1142.3	1132.1	1127.1	1035.8
55°	1071.0	1077.7	1111.2	1190.1	1274.9	1325.8	1296.0	1287.0	1260.8	1232.0	1132.1
57.5°	1077.5	1080.2	1127.5	1233.9	1356.7	1439.0	1439.0	1423.4	1372.7	1332.9	1243.4
60°	1019.5	1027.8	1091.8	1230.3	1391.7	1513.1	1557.7	1546.9	1478.5	1429.5	1350.6
62.5°	890.8	900.2	978.2	1145.4	1356.7	1528.3	1647.6	1645.9	1568.8	1509.3	1439.5
65°	683.1	690.0	758.0	958.2	1208.6	1469.7	1711.8	1716.4	1640.1	1562.1	1470.1
67.5°	343.2	348.0	421.4	654.6	958.0	1301.0	1707.4	1727.9	1661.8	1534.1	1353.1
70°	119.9	124.7	159.3	280.9	583.0	993.4	1559.8	1593.1	1534.3	1309.6	998.2
72.5°	41.1	43.4	66.1	104.3	226.9	588.9	1186.1	1236.4	1131.1	879.2	573.7
75°	23.4	24.8	35.4	56.5	95.1	193.7	672.9	703.8	659.4	479.2	236.1
77.5°	15.8	17.1	22.1	32.1	52.5	62.3	274.4	345.5	301.3	156.4	60.3
80°	9.4	10.2	13.6	19.0	26.9	24.2	58.8	78.2	100.7	46.7	18.1
82.5°	4.4	5.0	8.8	12.5	13.6	10.2	17.3	21.1	28.4	22.9	7.5
85°	0.0	0.0	2.9	5.2	5.0	2.9	4.8	5.2	7.7	11.5	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.3	2.3	1.3
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°	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7	232.7
2.5°	233.6	232.1	233.8	232.9	233.8	233.6	231.9	230.8	230.8	229.0	228.3
5°	236.5	235.0	235.4	233.6	233.1	232.1	230.0	229.2	229.2	227.3	226.7
7.5°	242.9	240.6	240.2	236.5	234.8	231.9	228.1	226.7	226.5	224.6	224.0
10°	253.2	250.4	248.6	243.8	239.0	233.1	225.2	218.5	214.8	209.8	209.4
12.5°	265.7	262.3	259.4	252.1	244.2	231.0	207.7	183.3	168.3	156.4	157.2
15°	279.6	276.5	271.9	260.9	244.6	210.4	161.6	124.1	105.7	95.9	95.5
17.5°	294.9	290.3	282.8	267.7	231.5	160.8	105.1	74.2	64.6	61.3	60.5
20°	309.0	303.4	294.0	269.2	193.5	108.9	65.7	57.6	55.9	54.8	54.8
22.5°	324.1	317.0	303.0	257.9	143.9	69.6	55.9	54.0	52.8	51.3	51.1
25°	339.3	330.1	311.1	228.5	94.3	54.8	52.3	50.3	48.0	45.7	45.0
27.5°	352.2	340.3	317.4	184.8	60.5	49.4	47.8	44.2	41.1	38.6	38.2
30°	367.6	352.4	320.1	135.1	47.5	43.6	41.1	37.3	33.6	31.1	30.2
32.5°	388.3	371.6	315.9	88.0	42.1	38.4	34.4	30.0	26.3	23.6	23.1
35°	420.4	400.6	296.7	56.1	38.2	33.2	28.4	23.8	20.6	18.6	18.1
37.5°	459.6	441.2	265.2	42.1	34.2	28.8	23.1	18.8	16.5	15.0	14.6
40°	517.8	492.1	226.3	36.9	30.2	24.4	19.0	15.4	13.8	12.5	12.1
42.5°	593.3	552.2	181.4	33.6	26.5	20.4	15.4	12.7	11.3	10.4	10.2
45°	681.5	610.8	134.1	30.2	22.9	16.9	12.7	10.4	9.4	8.8	8.5
47.5°	771.8	662.1	92.6	26.7	19.6	14.0	10.6	9.0	8.1	7.3	7.1
50°	868.1	705.4	63.2	23.1	16.7	11.5	9.2	8.1	7.1	6.5	6.3
52.5°	938.8	721.5	44.0	20.0	14.2	9.8	8.1	7.3	6.5	5.6	5.4
55°	1004.1	721.1	33.4	16.9	12.1	8.5	7.3	6.5	5.6	5.0	4.8
57.5°	1069.1	715.5	26.3	14.4	10.4	7.7	6.5	5.6	5.2	4.4	4.2
60°	1111.2	694.2	20.4	12.1	9.0	6.7	5.6	5.0	4.4	3.8	3.5
62.5°	1133.6	664.6	15.6	9.6	7.3	5.8	5.0	4.4	3.8	3.1	2.9
65°	1103.3	612.0	12.3	7.5	5.6	5.0	4.2	3.5	2.9	2.3	2.1
67.5°	969.2	516.1	9.6	6.0	4.4	3.8	3.5	2.9	2.1	1.7	1.5
70°	685.0	353.5	7.5	4.6	3.3	2.9	2.7	2.3	1.7	1.3	1.0
72.5°	376.0	178.3	5.4	3.3	2.5	2.3	2.1	1.9	1.5	1.0	1.0
75°	144.7	49.0	4.0	2.3	1.7	1.7	1.5	1.5	1.3	0.8	0.8
77.5°	37.7	14.6	2.5	1.5	1.0	1.0	1.0	0.8	0.8	0.6	0.6
80°	12.1	4.8	1.5	1.0	0.8	0.6	0.6	0.4	0.6	0.4	0.4
82.5°	4.0	1.7	0.8	0.8	0.6	0.4	0.4	0.2	0.2	0.0	0.0
85°	1.5	0.8	0.6	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0
87.5°	0.8	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
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)