

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: P628820

Luminaire Tested: GWS-SA1A-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628820
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2059.1 lumens
Efficiency: N/A
Efficacy: 104.5 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

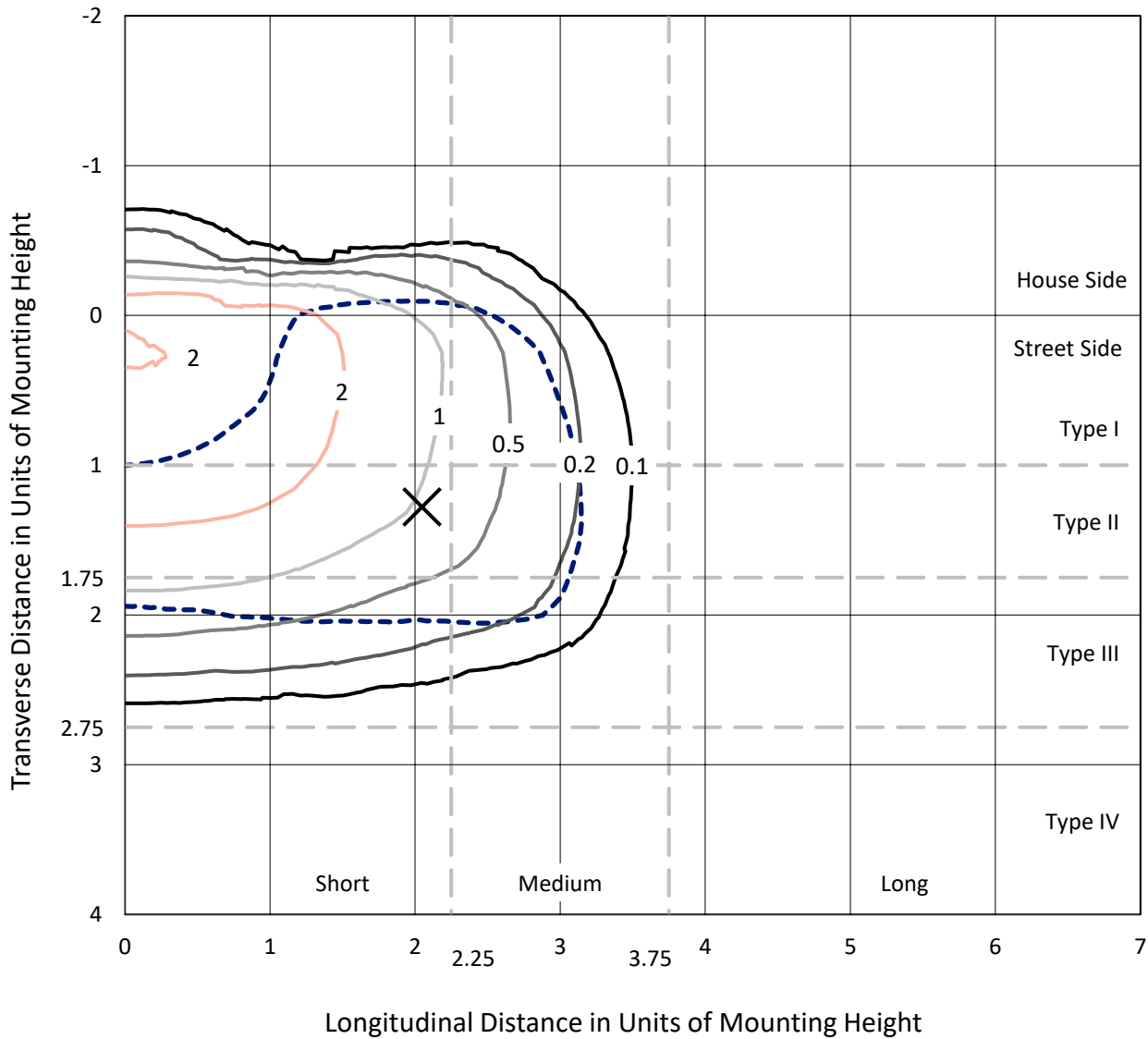
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628820
 CATALOG NUMBER: GWS-SA1A-735-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

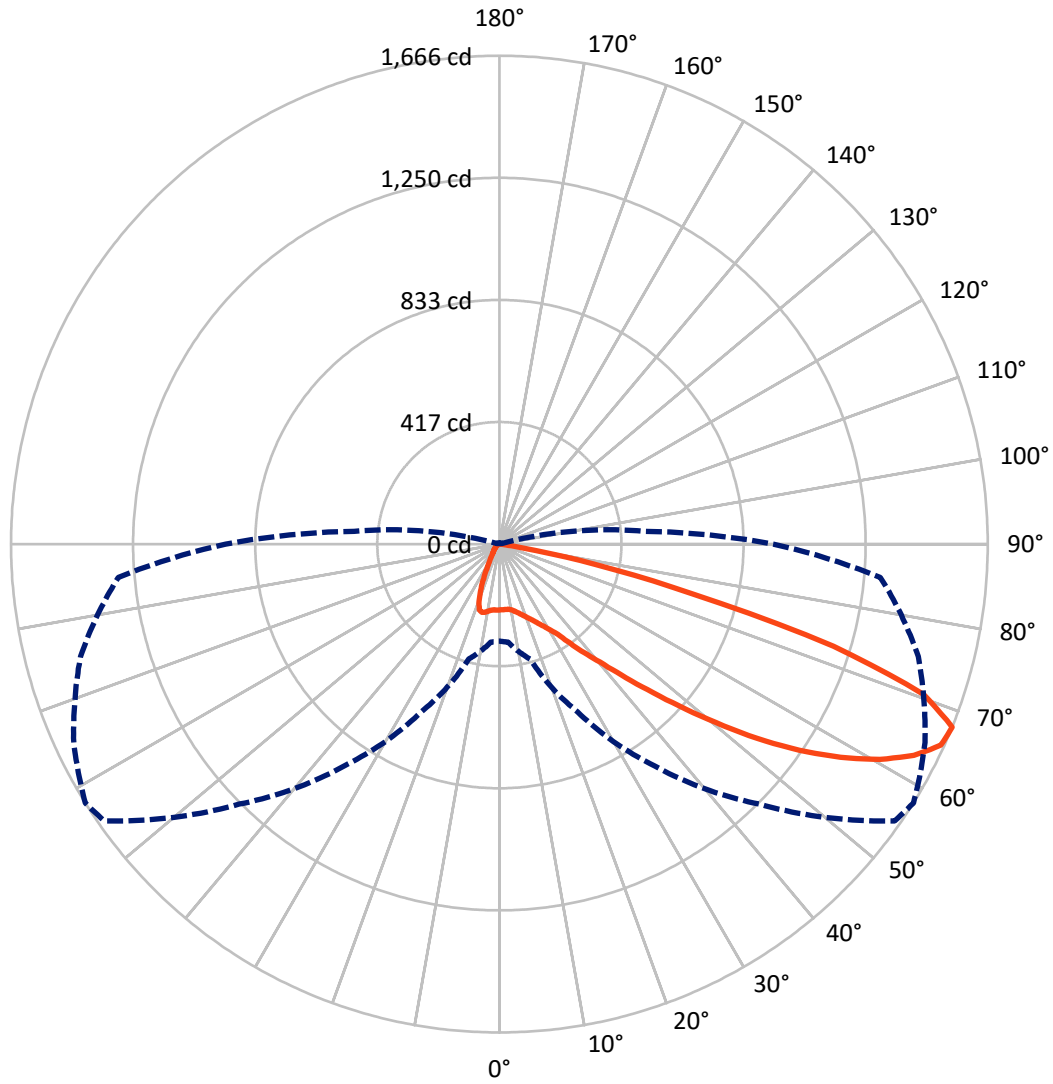
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

REPORT NUMBER: P628820
CATALOG NUMBER: GWS-SA1A-735-U-T3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P628820
 CATALOG NUMBER: GWS-SA1A-735-U-T3-W-HSS

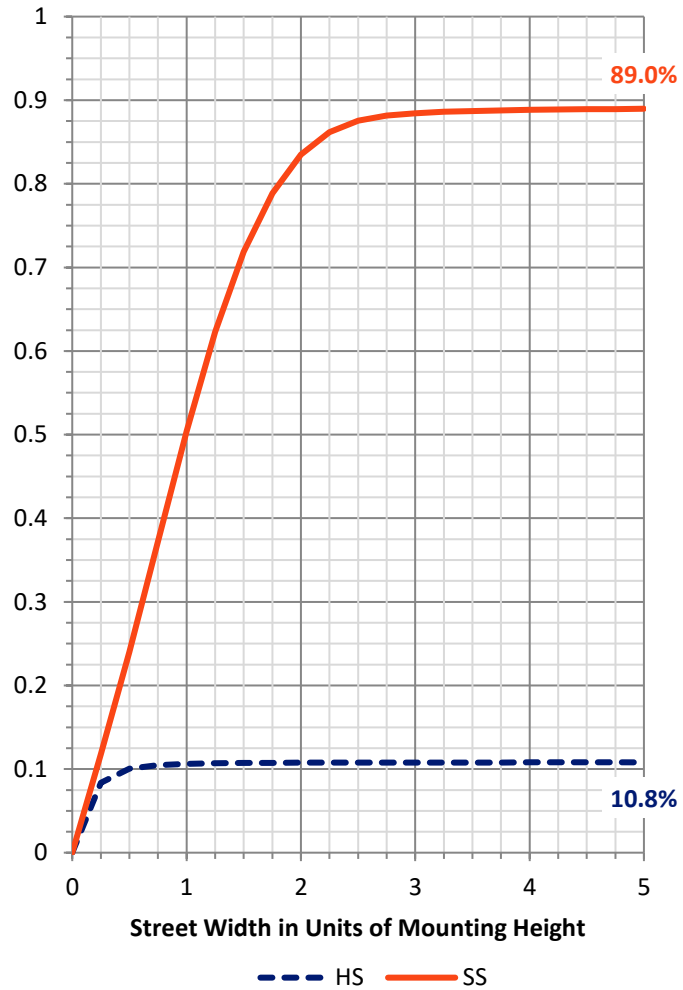
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	224.6	0.0	224.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	1834.5	0.0	1834.5
	% Fixture	89.1	0.0	89.1
Total	Lumens	2059.1	0.0	2059.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	1.0
10°-20°	59.2	2.9
20°-30°	103.3	5.0
30°-40°	184.5	9.0
40°-50°	337.2	16.4
50°-60°	560.8	27.2
60°-70°	609.1	29.6
70°-80°	178.8	8.7
80°-90°	5.1	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°	2059.1	100.0
0°-180°	2059.1	100.0

Coefficient of Utilization



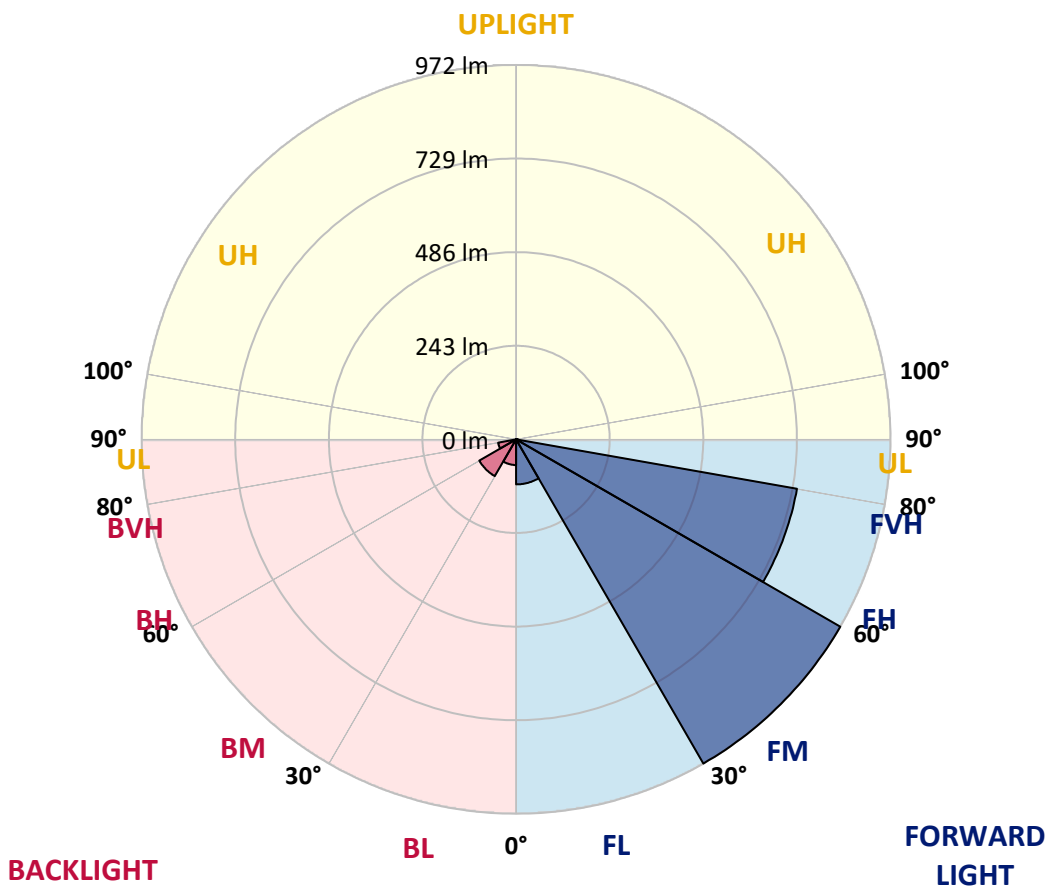
REPORT NUMBER: P628820

CATALOG NUMBER: GWS-SA1A-735-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°)	116.9	5.7			
FM (30°-60°)	972.1	47.2			
FH (60°-80°)	740.5	36.0			G1/1800
FVH (80°-90°)	4.8	0.2			G0/10
BL (0°-30°)	66.6	3.2	B0/110		
BM (30°-60°)	110.3	5.4	B0/220		
BH (60°-80°)	47.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.2	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





REPORT NUMBER: P628820

CATALOG NUMBER: GWS-SA1A-735-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	220.2	219.8	219.8	221.4	221.6	222.4	224.2	224.4	225.4	225.0	223.6
5°	208.7	208.9	210.1	212.9	215.3	218.3	222.8	223.8	226.0	227.2	226.4
7.5°	198.0	198.2	200.1	204.5	209.1	215.1	222.4	224.4	228.8	232.0	232.2
10°	194.0	193.8	195.6	200.7	206.7	215.1	225.6	228.2	234.8	240.5	241.5
12.5°	195.2	195.0	196.8	201.5	208.1	218.8	231.2	234.8	243.3	251.9	253.7
15°	200.1	199.9	201.1	204.9	212.1	223.2	238.5	243.9	254.5	265.0	267.8
17.5°	214.5	213.5	212.3	212.7	216.9	228.4	247.7	254.3	267.6	280.1	282.5
20°	240.3	237.7	234.4	230.2	228.2	236.0	258.4	266.0	282.1	296.4	296.8
22.5°	279.1	278.1	270.6	258.4	249.7	249.9	270.8	279.7	299.4	315.1	312.8
25°	333.2	332.5	321.1	301.0	278.5	270.8	286.7	295.8	319.9	336.6	329.5
27.5°	400.3	396.1	382.6	355.5	321.9	298.0	306.8	314.9	341.6	357.3	344.0
30°	458.8	459.0	446.3	418.0	380.2	338.8	331.3	338.4	361.5	378.0	361.9
32.5°	515.1	516.9	503.0	477.5	436.1	392.1	366.5	367.7	387.0	404.9	385.4
35°	567.4	568.8	559.1	537.4	498.8	447.8	415.6	415.0	425.4	443.7	418.2
37.5°	625.9	627.3	617.9	598.3	562.2	511.5	471.3	470.5	474.7	489.6	460.4
40°	688.2	690.8	680.4	663.9	629.3	586.5	536.0	528.8	524.6	542.1	515.1
42.5°	751.4	755.4	751.8	735.3	705.7	670.3	620.1	608.8	599.8	621.7	593.1
45°	829.8	834.6	833.0	820.3	797.4	768.6	721.2	708.1	703.9	724.2	690.2
47.5°	905.2	910.4	916.2	913.4	897.1	883.8	831.2	823.7	822.5	844.2	791.6
50°	961.3	966.1	988.4	1004.5	1015.5	1012.7	967.1	956.0	954.2	968.1	898.5
52.5°	1001.5	1006.1	1036.9	1087.1	1127.7	1149.8	1103.8	1101.4	1091.5	1086.7	998.7
55°	1032.6	1039.1	1071.4	1147.4	1229.3	1278.3	1249.6	1240.9	1215.6	1187.8	1091.5
57.5°	1038.9	1041.5	1087.1	1189.7	1308.1	1387.5	1387.5	1372.4	1323.6	1285.2	1198.9
60°	983.0	991.0	1052.7	1186.2	1341.9	1458.9	1501.9	1491.4	1425.5	1378.3	1302.3
62.5°	858.9	868.0	943.2	1104.4	1308.1	1473.6	1588.6	1586.9	1512.6	1455.3	1387.9
65°	658.7	665.3	730.8	923.9	1165.3	1417.1	1650.5	1654.9	1581.3	1506.1	1417.5
67.5°	330.9	335.6	406.3	631.1	923.7	1254.4	1646.3	1666.0	1602.2	1479.2	1304.7
70°	115.6	120.2	153.6	270.8	562.2	957.8	1503.9	1536.1	1479.4	1262.6	962.5
72.5°	39.6	41.8	63.7	100.5	218.8	567.8	1143.6	1192.1	1090.5	847.7	553.1
75°	22.5	23.9	34.2	54.5	91.7	186.8	648.8	678.6	635.7	462.0	227.6
77.5°	15.3	16.5	21.3	31.0	50.7	60.1	264.6	333.2	290.5	150.8	58.1
80°	9.0	9.9	13.1	18.3	25.9	23.3	56.7	75.4	97.1	45.0	17.5
82.5°	4.2	4.8	8.4	12.1	13.1	9.9	16.7	20.3	27.3	22.1	7.2
85°	0.0	0.0	2.8	5.0	4.8	2.8	4.6	5.0	7.4	11.1	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.2	2.2	1.2
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: P628820
 CATALOG NUMBER: GWS-SA1A-735-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	225.2	223.8	225.4	224.6	225.4	225.2	223.6	222.6	222.6	220.8	220.2
5°	228.0	226.6	227.0	225.2	224.8	223.8	221.8	221.0	221.0	219.2	218.5
7.5°	234.2	232.0	231.6	228.0	226.4	223.6	220.0	218.5	218.3	216.5	215.9
10°	244.1	241.5	239.7	235.0	230.4	224.8	217.1	210.7	207.1	202.3	201.9
12.5°	256.1	252.9	250.1	243.1	235.4	222.8	200.3	176.7	162.3	150.8	151.6
15°	269.6	266.6	262.2	251.5	235.8	202.9	155.8	119.6	101.9	92.5	92.1
17.5°	284.3	279.9	272.6	258.2	223.2	155.0	101.3	71.6	62.3	59.1	58.3
20°	298.0	292.5	283.5	259.6	186.6	105.0	63.3	55.5	53.9	52.9	52.9
22.5°	312.4	305.6	292.1	248.7	138.7	67.2	53.9	52.1	50.9	49.5	49.3
25°	327.1	318.3	300.0	220.4	90.9	52.9	50.5	48.5	46.2	44.0	43.4
27.5°	339.6	328.1	306.0	178.1	58.3	47.7	46.0	42.6	39.6	37.2	36.8
30°	354.5	339.8	308.6	130.3	45.8	42.0	39.6	36.0	32.4	30.0	29.2
32.5°	374.4	358.3	304.6	84.8	40.6	37.0	33.2	29.0	25.3	22.7	22.3
35°	405.3	386.2	286.1	54.1	36.8	32.0	27.3	22.9	19.9	17.9	17.5
37.5°	443.1	425.4	255.7	40.6	33.0	27.7	22.3	18.1	15.9	14.5	14.1
40°	499.2	474.5	218.1	35.6	29.2	23.5	18.3	14.9	13.3	12.1	11.7
42.5°	572.0	532.4	174.9	32.4	25.5	19.7	14.9	12.3	10.9	10.1	9.9
45°	657.1	588.9	129.3	29.2	22.1	16.3	12.3	10.1	9.0	8.4	8.2
47.5°	744.1	638.4	89.3	25.7	18.9	13.5	10.3	8.6	7.8	7.0	6.8
50°	837.0	680.2	60.9	22.3	16.1	11.1	8.8	7.8	6.8	6.2	6.0
52.5°	905.2	695.7	42.4	19.3	13.7	9.4	7.8	7.0	6.2	5.4	5.2
55°	968.1	695.3	32.2	16.3	11.7	8.2	7.0	6.2	5.4	4.8	4.6
57.5°	1030.8	689.8	25.3	13.9	10.1	7.4	6.2	5.4	5.0	4.2	4.0
60°	1071.4	669.3	19.7	11.7	8.6	6.4	5.4	4.8	4.2	3.6	3.4
62.5°	1092.9	640.8	15.1	9.2	7.0	5.6	4.8	4.2	3.6	3.0	2.8
65°	1063.8	590.1	11.9	7.2	5.4	4.8	4.0	3.4	2.8	2.2	2.0
67.5°	934.5	497.6	9.2	5.8	4.2	3.6	3.4	2.8	2.0	1.6	1.4
70°	660.5	340.8	7.2	4.4	3.2	2.8	2.6	2.2	1.6	1.2	1.0
72.5°	362.5	171.9	5.2	3.2	2.4	2.2	2.0	1.8	1.4	1.0	1.0
75°	139.5	47.2	3.8	2.2	1.6	1.6	1.4	1.4	1.2	0.8	0.8
77.5°	36.4	14.1	2.4	1.4	1.0	1.0	1.0	0.8	0.8	0.6	0.6
80°	11.7	4.6	1.4	1.0	0.8	0.6	0.6	0.4	0.6	0.4	0.4
82.5°	3.8	1.6	0.8	0.8	0.6	0.4	0.4	0.2	0.2	0.0	0.0
85°	1.4	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)