

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: P629343

Luminaire Tested: GWS-SA1B-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2841.1 lumens
Efficiency: N/A
Efficacy: 113.6 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

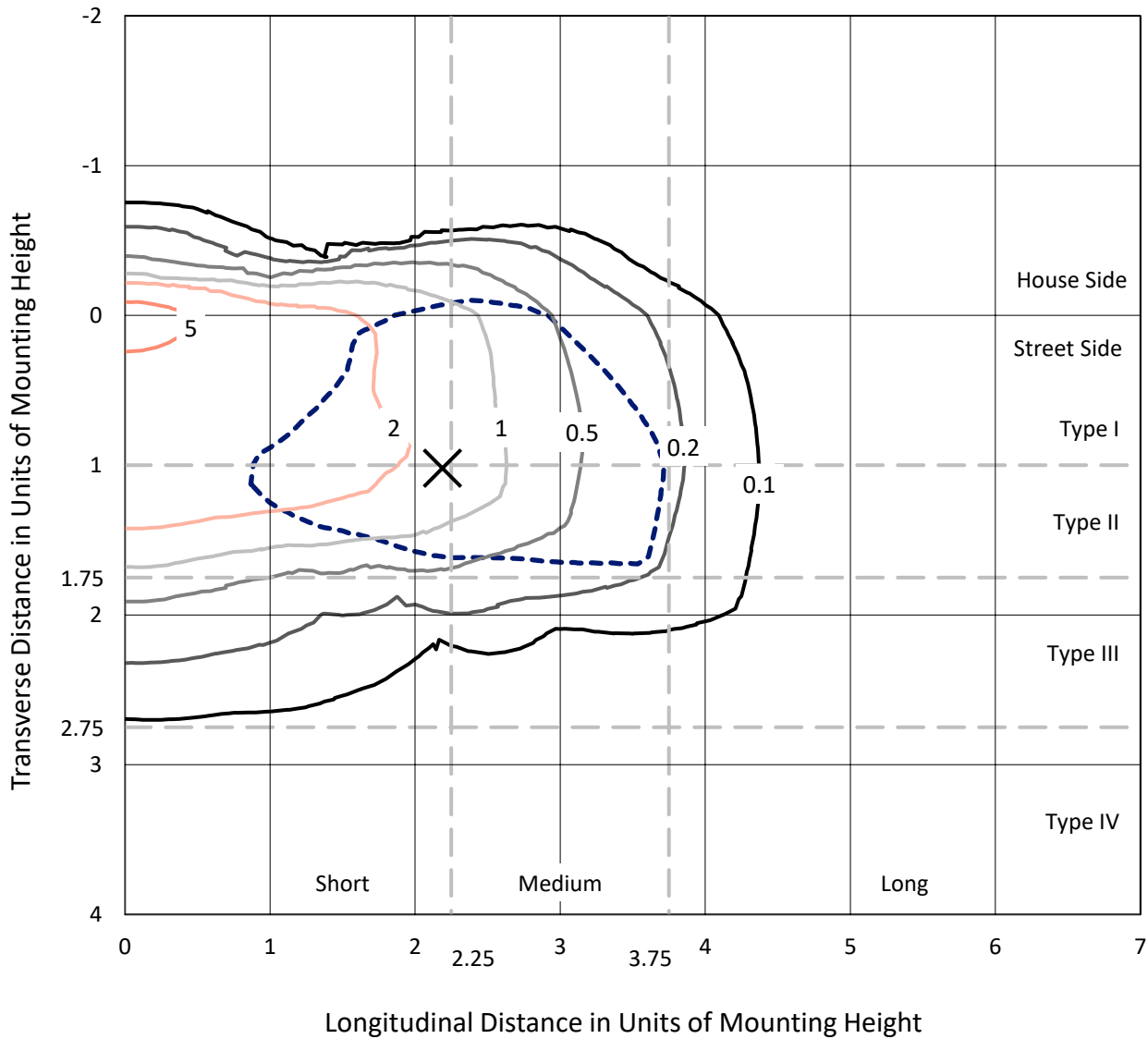
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629343
 CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

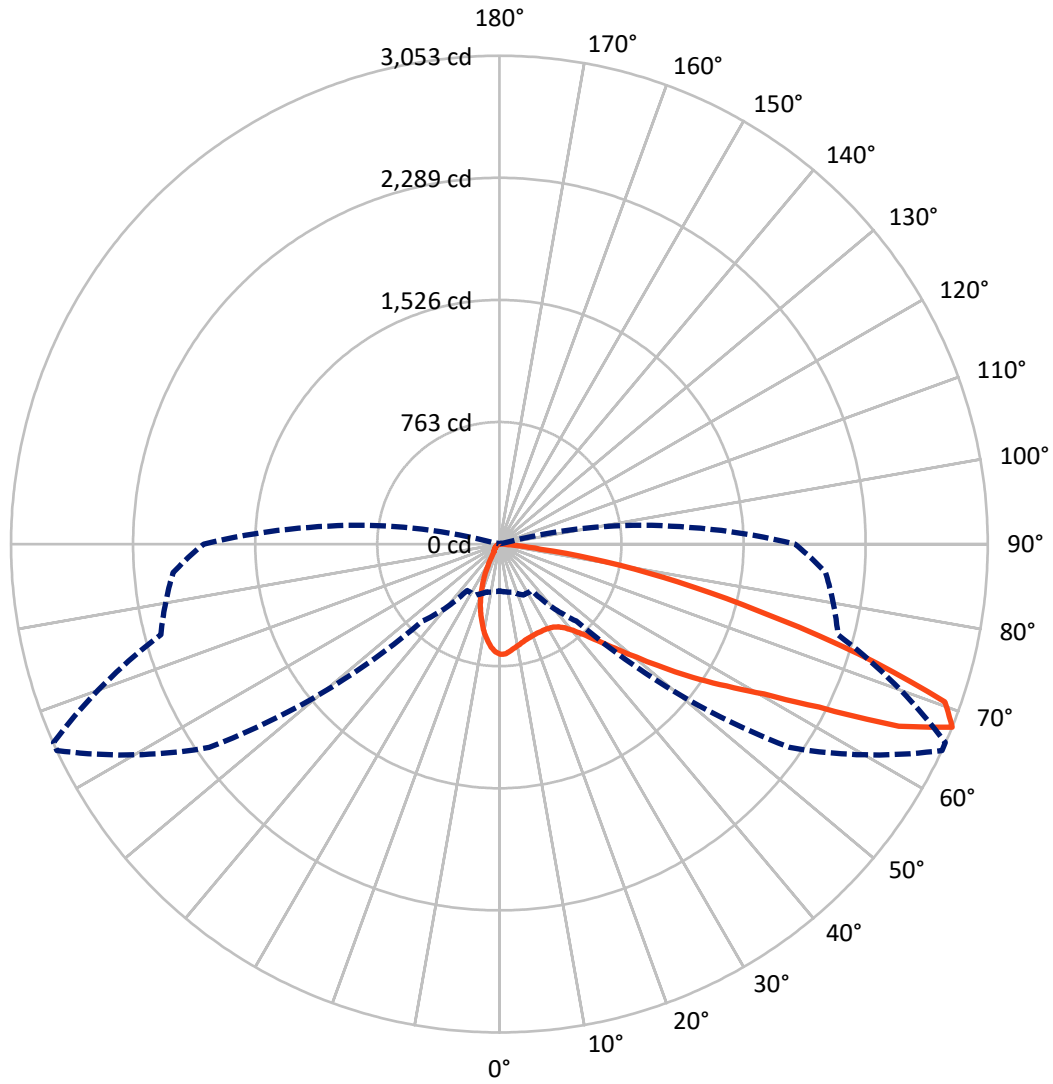
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

REPORT NUMBER: P629343
CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629343
 CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-HSS

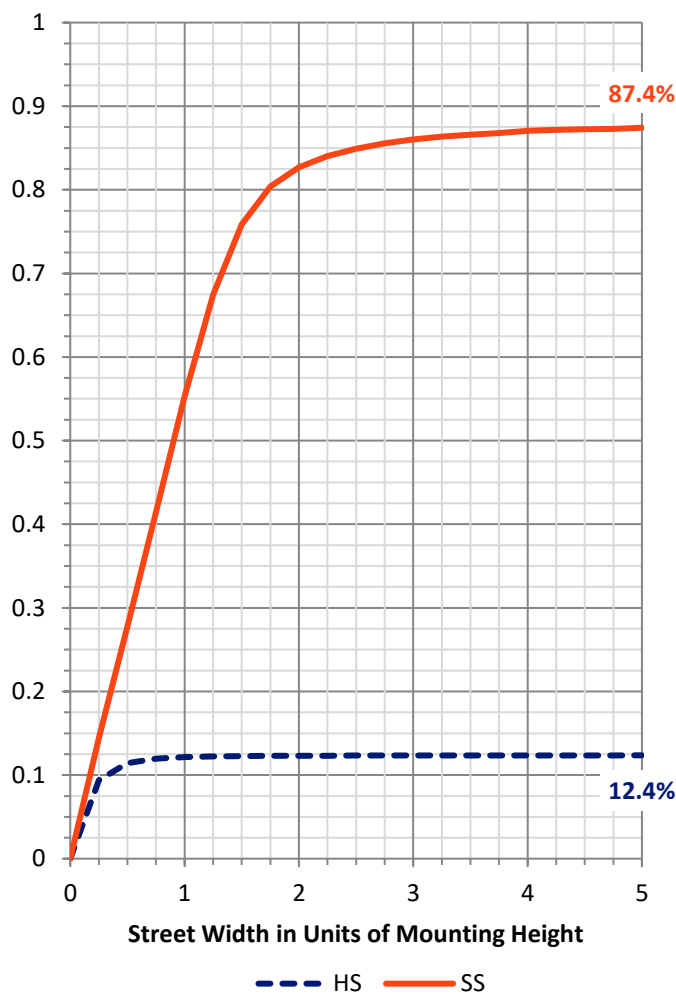
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	354.8	0.0	354.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	2486.3	0.0	2486.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	2841.1	0.0	2841.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	2.0
10°-20°	128.6	4.5
20°-30°	183.8	6.5
30°-40°	267.5	9.4
40°-50°	418.9	14.7
50°-60°	653.5	23.0
60°-70°	717.8	25.3
70°-80°	382.0	13.4
80°-90°	31.8	1.1
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°	2841.1	100.0
0°-180°	2841.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629343

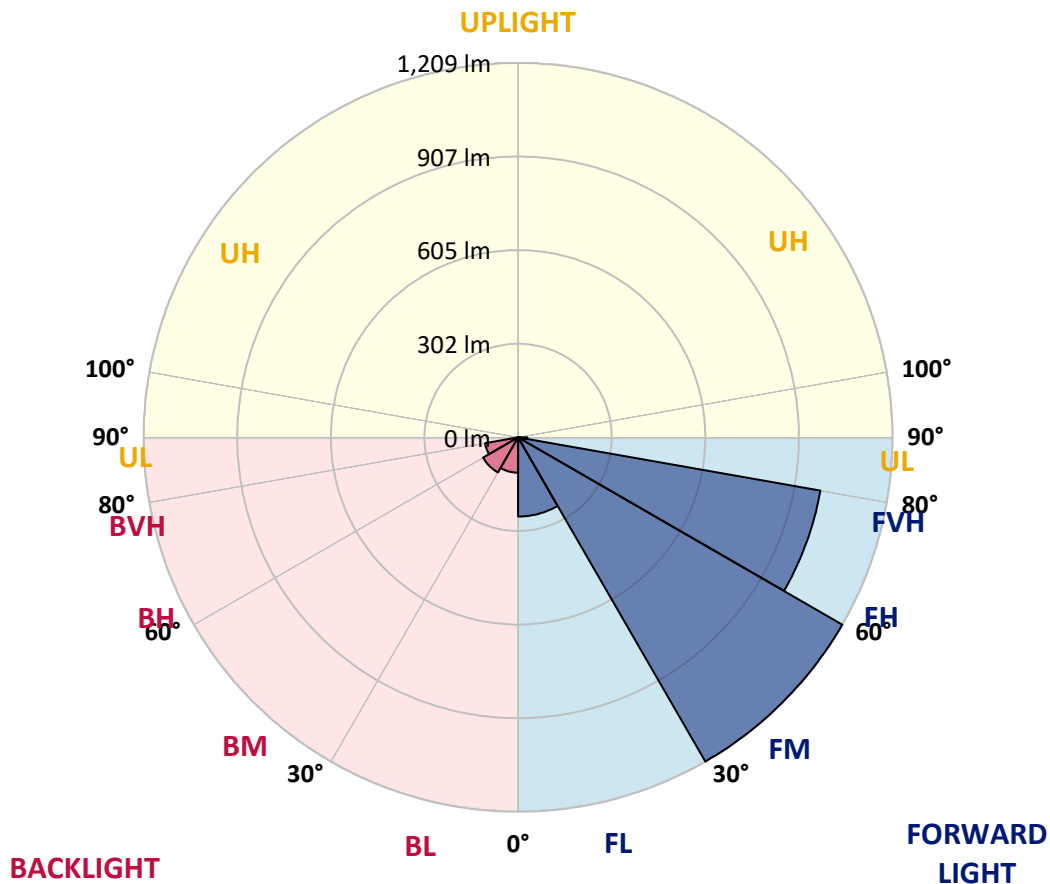
CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.7	9.0			
FM (30°-60°)	1209.1	42.6			
FH (60°-80°)	991.4	34.9			G1/1800
FVH (80°-90°)	30.1	1.1			G1/100
BL (0°-30°)	114.0	4.0	B1/500		
BM (30°-60°)	130.7	4.6	B0/220		
BH (60°-80°)	108.4	3.8	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			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





REPORT NUMBER: P629343

CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	665.2	667.2	664.4	671.3	672.6	680.3	684.7	687.8	687.5	691.4	691.4
5°	626.1	628.2	626.6	634.1	640.0	652.1	662.1	673.6	674.2	686.0	690.3
7.5°	593.0	593.2	593.2	602.5	610.2	625.1	640.0	657.7	659.8	678.0	689.6
10°	565.7	566.5	566.8	577.3	585.8	603.8	622.8	644.1	646.4	671.1	689.1
12.5°	547.0	547.2	548.3	559.3	568.6	587.3	606.6	631.0	634.1	663.1	686.7
15°	538.0	537.5	538.0	547.2	556.5	574.5	594.3	620.5	623.8	656.4	687.0
17.5°	537.5	536.7	536.2	543.1	549.0	565.0	585.0	613.5	617.1	653.3	689.8
20°	544.9	544.4	541.8	544.9	546.2	559.3	579.1	608.1	611.7	652.8	696.0
22.5°	564.5	563.2	559.3	556.5	549.5	557.3	575.0	604.3	608.4	654.1	704.0
25°	593.5	593.0	588.1	581.2	563.4	560.3	575.2	604.3	608.1	655.7	712.4
27.5°	637.2	634.1	627.9	615.8	590.4	572.4	580.4	605.8	609.7	657.7	719.4
30°	681.6	681.3	679.3	667.0	629.2	595.5	591.2	609.9	613.5	659.5	725.8
32.5°	727.6	728.4	733.5	724.0	682.6	630.0	610.7	618.4	621.0	663.1	731.4
35°	771.3	772.8	786.4	789.8	747.6	682.1	642.6	635.4	635.6	671.1	738.9
37.5°	813.1	818.3	840.1	856.3	828.6	745.3	688.5	664.1	662.1	687.0	750.2
40°	860.7	870.4	897.9	925.4	916.7	828.8	751.2	708.3	704.0	716.3	770.5
42.5°	913.3	923.9	960.4	998.9	1003.0	929.8	829.6	772.8	765.4	765.6	808.5
45°	969.9	984.0	1026.4	1081.9	1106.8	1042.3	926.2	859.9	852.5	841.4	869.7
47.5°	1044.1	1056.5	1097.3	1161.3	1209.1	1163.1	1052.9	971.9	958.3	942.1	964.7
50°	1108.1	1118.9	1154.1	1234.2	1333.7	1318.8	1196.5	1111.9	1098.8	1071.4	1090.1
52.5°	1122.2	1130.7	1163.1	1253.2	1429.0	1515.3	1372.5	1281.3	1272.0	1221.1	1228.3
55°	1058.8	1071.6	1100.6	1200.8	1453.9	1707.5	1600.9	1472.1	1452.9	1371.7	1384.5
57.5°	898.4	921.3	948.5	1078.8	1386.3	1809.7	1920.0	1674.3	1656.9	1516.6	1516.8
60°	658.5	677.0	695.2	814.4	1226.0	1802.8	2209.5	1901.5	1869.6	1635.0	1630.7
62.5°	478.9	488.4	488.1	530.5	841.9	1684.1	2361.6	2243.7	2169.4	1761.7	1736.8
65°	376.6	376.4	387.4	401.3	470.2	1300.0	2380.4	2743.4	2663.2	1931.5	1879.6
67.5°	293.1	298.8	309.8	350.7	353.3	680.3	2215.4	3052.5	3050.9	2190.7	2046.9
70°	226.1	233.8	249.5	309.1	326.3	380.8	1657.6	2954.6	2979.5	2306.6	1928.4
72.5°	145.2	144.6	167.8	249.7	313.4	317.3	916.7	2347.0	2375.2	2089.3	1559.2
75°	81.2	81.7	94.8	152.9	292.1	298.5	454.0	1673.6	1695.9	1628.9	1198.0
77.5°	31.9	32.9	44.4	80.4	192.7	266.7	269.8	1141.2	1144.6	1009.4	734.8
80°	12.8	13.6	22.6	49.8	117.4	179.6	192.7	672.4	658.7	390.8	213.8
82.5°	3.9	4.1	9.0	28.3	61.4	127.7	130.0	257.9	243.6	84.0	54.5
85°	0.3	0.3	2.1	8.7	21.8	32.1	86.6	84.0	74.5	21.1	24.2
87.5°	0.0	0.0	0.3	0.3	0.5	1.0	9.2	15.4	15.7	3.9	10.8
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: P629343

CATALOG NUMBER: GWS-SA1B-740-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	691.4	682.1	681.3	674.2	667.0	658.0	647.4	639.7	634.3	624.8	623.0
5°	690.3	678.0	666.4	645.9	623.0	598.4	576.8	556.7	544.2	535.7	532.1
7.5°	688.3	672.6	645.9	607.1	568.8	525.7	492.0	461.2	440.1	427.8	422.4
10°	686.7	665.7	622.3	563.4	504.1	444.5	393.3	347.6	322.2	302.1	298.8
12.5°	683.7	655.7	591.9	512.3	435.7	356.6	291.3	235.3	196.5	179.1	172.9
15°	680.6	645.1	561.6	458.3	361.2	263.6	184.5	130.5	103.8	95.6	95.1
17.5°	680.1	635.6	528.7	407.2	283.1	172.6	105.1	84.5	78.9	76.8	76.8
20°	681.6	627.7	496.4	348.4	206.3	105.1	78.4	73.2	69.9	68.1	68.1
22.5°	683.1	619.4	465.3	289.0	136.9	76.8	69.1	64.7	60.9	58.8	57.8
25°	684.2	610.4	430.9	229.4	89.4	66.8	60.6	55.0	50.4	47.8	47.8
27.5°	683.9	599.6	396.2	171.1	69.4	59.3	51.9	46.0	41.4	38.5	38.8
30°	681.9	587.8	360.2	119.5	60.6	51.9	44.4	38.3	33.7	31.3	31.1
32.5°	680.3	575.2	318.6	84.0	54.5	45.5	37.8	31.9	28.0	26.2	25.9
35°	678.5	562.9	279.0	64.0	49.1	39.3	31.9	27.0	23.9	22.4	22.4
37.5°	679.0	550.1	236.1	55.0	43.7	34.2	27.2	23.1	20.6	19.0	18.8
40°	687.0	542.4	194.0	49.8	38.8	29.5	23.6	20.0	17.5	15.9	15.7
42.5°	706.8	542.6	153.6	46.0	34.4	25.2	20.6	17.2	14.9	13.1	12.8
45°	746.3	553.4	117.9	41.9	29.8	21.8	17.7	14.6	12.3	10.8	10.5
47.5°	811.1	585.5	89.4	38.3	25.9	19.0	15.2	12.3	10.3	9.0	8.7
50°	914.1	643.6	70.4	33.9	21.8	16.4	12.8	10.3	8.5	7.2	6.9
52.5°	1038.0	730.7	60.4	30.1	18.8	14.4	11.0	8.5	6.9	5.9	5.7
55°	1180.3	834.7	55.8	26.2	15.9	12.3	9.0	6.9	5.7	4.9	4.4
57.5°	1310.8	928.5	55.5	22.4	13.6	10.5	7.5	5.9	4.9	3.9	3.6
60°	1438.0	1006.9	52.2	18.5	11.8	8.7	6.4	4.9	4.1	3.3	3.1
62.5°	1553.3	1070.6	43.7	14.9	10.0	7.2	5.4	4.4	3.6	2.8	2.8
65°	1698.2	1151.8	33.4	12.1	8.2	5.9	4.6	3.9	3.3	2.6	2.6
67.5°	1848.0	1194.7	23.9	10.0	6.7	5.1	4.1	3.6	2.8	2.3	2.3
70°	1673.8	1009.4	17.2	8.2	5.7	4.4	3.6	3.3	2.8	2.3	2.1
72.5°	1307.2	727.9	12.8	6.4	4.9	4.1	3.3	3.1	2.6	2.1	2.1
75°	969.4	424.4	9.8	5.1	3.9	3.3	3.3	3.1	2.6	2.1	1.8
77.5°	526.9	148.0	7.5	4.1	3.1	2.6	2.8	2.8	2.3	1.8	1.5
80°	139.5	40.6	5.1	3.1	2.6	2.1	2.1	2.6	2.1	1.5	1.5
82.5°	40.6	11.8	3.6	2.6	2.1	1.8	1.8	1.8	1.5	1.3	1.0
85°	19.8	4.4	2.6	2.1	1.8	1.5	1.3	1.3	1.0	0.8	0.8
87.5°	8.7	1.8	2.1	1.8	1.8	1.3	1.0	0.8	0.8	0.5	0.3
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)