

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: P629453

Luminaire Tested: GWS-SA1B-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629453
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2866.4 lumens
Efficiency: N/A
Efficacy: 114.7 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

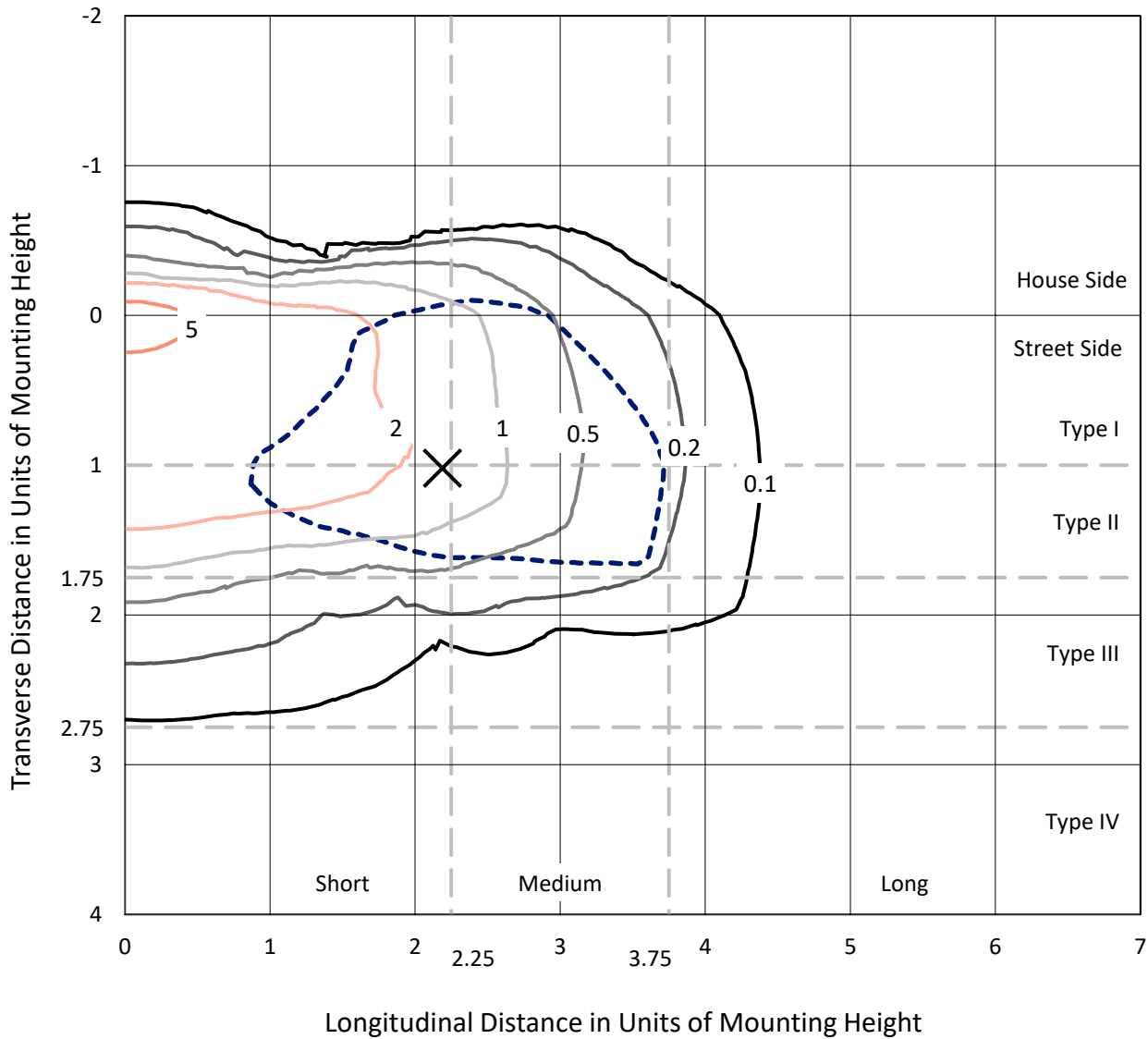
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629453
 CATALOG NUMBER: GWS-SA1B-760-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

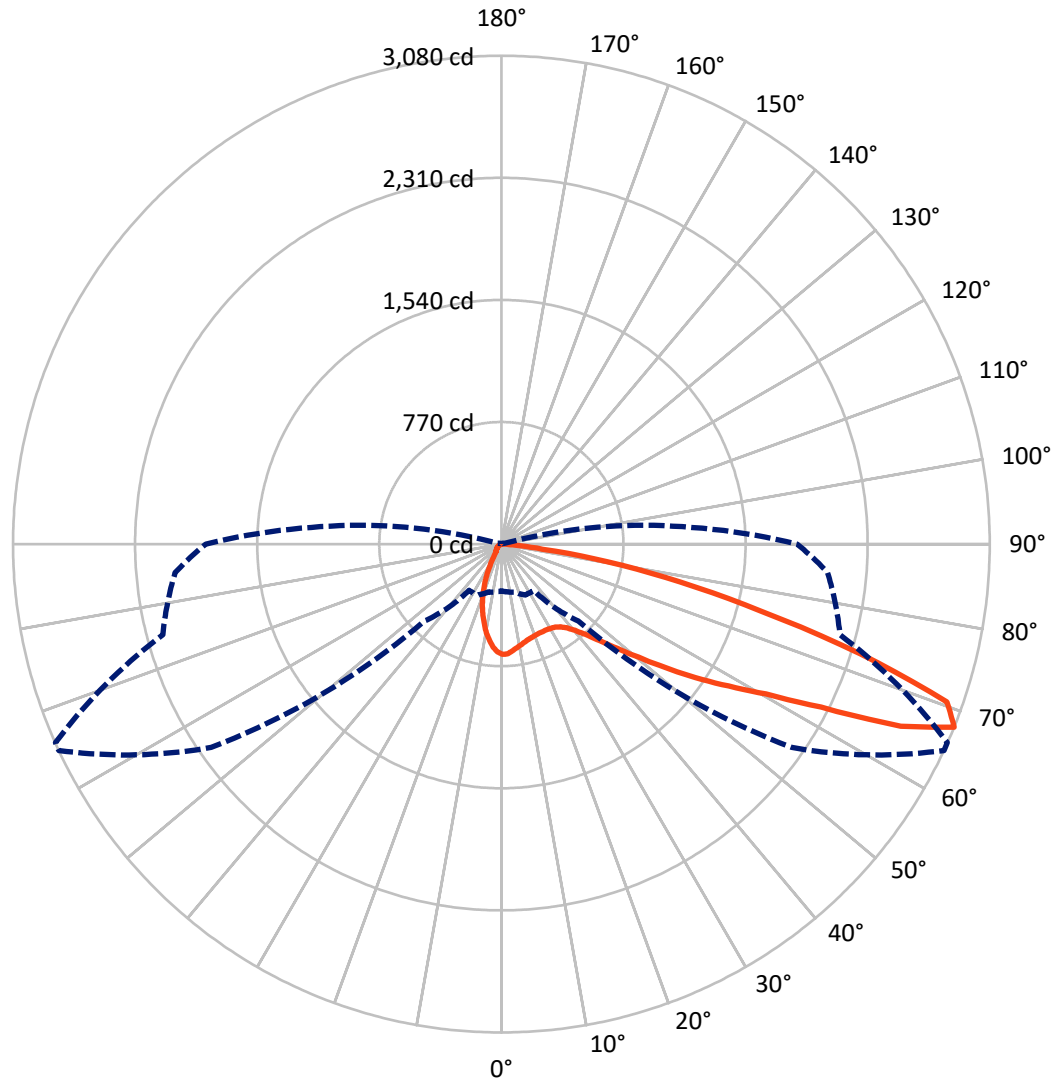
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

REPORT NUMBER: P629453
CATALOG NUMBER: GWS-SA1B-760-U-SL2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629453
 CATALOG NUMBER: GWS-SA1B-760-U-SL2-W-HSS

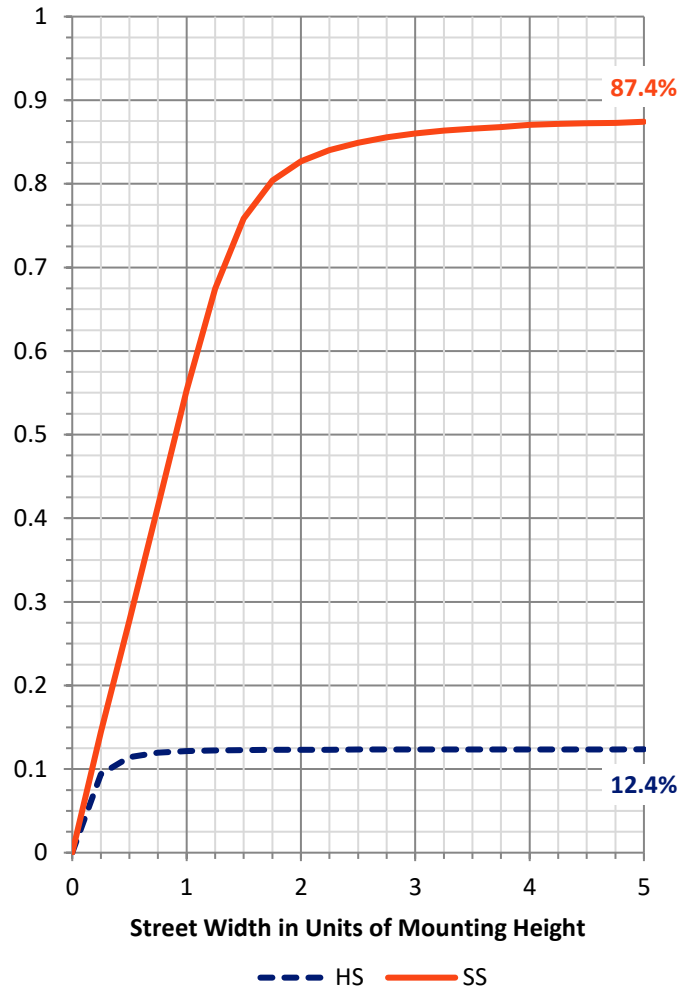
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.9	0.0	357.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	2508.5	0.0	2508.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	2866.4	0.0	2866.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	2.0
10°-20°	129.8	4.5
20°-30°	185.5	6.5
30°-40°	269.8	9.4
40°-50°	422.6	14.7
50°-60°	659.3	23.0
60°-70°	724.2	25.3
70°-80°	385.4	13.4
80°-90°	32.1	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°	2866.4	100.0
0°-180°	2866.4	100.0

Coefficient of Utilization



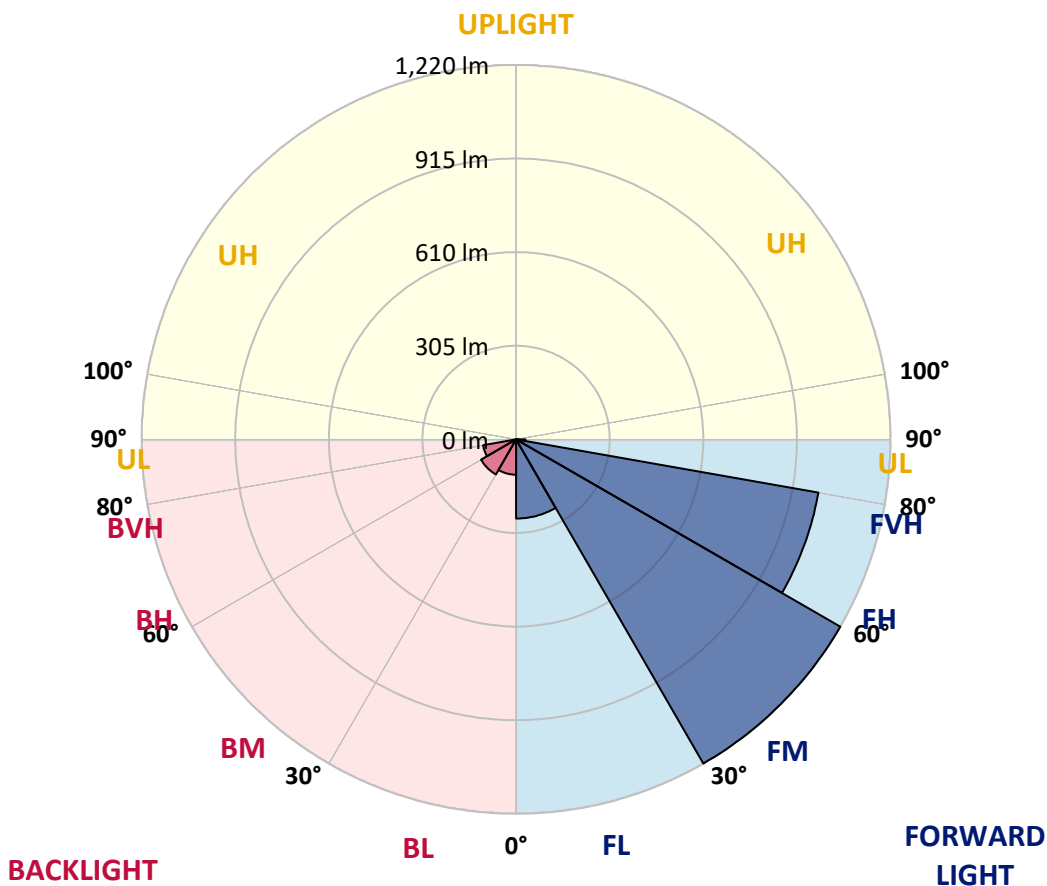
REPORT NUMBER: P629453

CATALOG NUMBER: GWS-SA1B-760-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°)	258.0	9.0			
FM (30°-60°)	1219.9	42.6			
FH (60°-80°)	1000.3	34.9			G1/1800
FVH (80°-90°)	30.4	1.1			G1/100
BL (0°-30°)	115.0	4.0	B1/500		
BM (30°-60°)	131.8	4.6	B0/220		
BH (60°-80°)	109.3	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: P629453

CATALOG NUMBER: GWS-SA1B-760-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2
2.5°	671.1	673.2	670.3	677.3	678.6	686.4	690.8	693.9	693.6	697.5	697.5
5°	631.7	633.8	632.2	639.7	645.7	657.9	668.0	679.6	680.2	692.1	696.5
7.5°	598.2	598.5	598.5	607.8	615.6	630.6	645.7	663.6	665.6	684.0	695.7
10°	570.8	571.6	571.8	582.4	591.0	609.1	628.3	649.8	652.2	677.0	695.2
12.5°	551.9	552.1	553.1	564.3	573.6	592.5	612.0	636.6	639.7	669.0	692.9
15°	542.8	542.3	542.8	552.1	561.4	579.6	599.5	626.0	629.4	662.3	693.1
17.5°	542.3	541.5	541.0	548.0	553.9	570.0	590.2	619.0	622.6	659.2	696.0
20°	549.8	549.3	546.7	549.8	551.1	564.3	584.3	613.5	617.2	658.6	702.2
22.5°	569.5	568.2	564.3	561.4	554.4	562.2	580.1	609.7	613.8	659.9	710.2
25°	598.8	598.2	593.3	586.3	568.4	565.3	580.4	609.7	613.5	661.5	718.8
27.5°	642.8	639.7	633.5	621.3	595.7	577.5	585.5	611.2	615.1	663.6	725.8
30°	687.7	687.4	685.3	672.9	634.8	600.8	596.4	615.4	619.0	665.4	732.3
32.5°	734.1	734.9	740.0	730.4	688.7	635.6	616.1	623.9	626.5	669.0	738.0
35°	778.1	779.7	793.4	796.8	754.3	688.2	648.3	641.0	641.3	677.0	745.5
37.5°	820.4	825.6	847.6	863.9	835.9	752.0	694.7	670.0	668.0	693.1	756.9
40°	868.3	878.2	905.9	933.7	924.8	836.2	757.9	714.6	710.2	722.7	777.4
42.5°	921.5	932.1	968.9	1007.8	1011.9	938.1	837.0	779.7	772.2	772.4	815.7
45°	978.5	992.8	1035.5	1091.5	1116.7	1051.6	934.4	867.6	860.0	848.9	877.4
47.5°	1053.4	1065.9	1107.1	1171.6	1219.8	1173.4	1062.2	980.6	966.8	950.5	973.3
50°	1118.0	1128.8	1164.4	1245.2	1345.5	1330.5	1207.1	1121.8	1108.6	1080.9	1099.8
52.5°	1132.2	1140.8	1173.4	1264.4	1441.7	1528.8	1384.7	1292.7	1283.3	1232.0	1239.3
55°	1068.2	1081.2	1110.4	1211.5	1466.9	1722.7	1615.1	1485.3	1465.8	1383.9	1396.9
57.5°	906.4	929.5	957.0	1088.4	1398.7	1825.9	1937.1	1689.2	1671.6	1530.1	1530.4
60°	664.3	683.0	701.4	821.7	1236.9	1818.9	2229.2	1918.4	1886.2	1649.6	1645.2
62.5°	483.2	492.8	492.5	535.3	849.4	1699.1	2382.6	2263.7	2188.7	1777.4	1752.2
65°	380.0	379.7	390.9	404.9	474.3	1311.6	2401.5	2767.8	2686.9	1948.7	1896.4
67.5°	295.8	301.5	312.6	353.8	356.4	686.4	2235.1	3079.6	3078.1	2210.3	2065.1
70°	228.1	235.9	251.7	311.8	329.2	384.1	1672.4	2980.9	3006.0	2327.2	1945.6
72.5°	146.5	145.9	169.3	251.9	316.2	320.1	924.8	2367.9	2396.4	2107.9	1573.1
75°	81.9	82.4	95.6	154.2	294.7	301.2	458.0	1688.5	1711.0	1643.4	1208.7
77.5°	32.1	33.2	44.8	81.1	194.4	269.1	272.2	1151.4	1154.8	1018.4	741.3
80°	13.0	13.7	22.8	50.3	118.5	181.2	194.4	678.3	664.6	394.3	215.7
82.5°	3.9	4.1	9.1	28.5	62.0	128.8	131.2	260.2	245.7	84.8	55.0
85°	0.3	0.3	2.1	8.8	22.0	32.4	87.4	84.8	75.2	21.3	24.4
87.5°	0.0	0.0	0.3	0.3	0.5	1.0	9.3	15.6	15.8	3.9	10.9
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: P629453
 CATALOG NUMBER: GWS-SA1B-760-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2
2.5°	697.5	688.2	687.4	680.2	672.9	663.8	653.2	645.4	640.0	630.4	628.6
5°	696.5	684.0	672.4	651.6	628.6	603.7	581.9	561.7	549.0	540.4	536.8
7.5°	694.4	678.6	651.6	612.5	573.9	530.3	496.4	465.3	444.0	431.6	426.1
10°	692.9	671.6	627.8	568.4	508.6	448.4	396.8	350.7	325.0	304.8	301.5
12.5°	689.7	661.5	597.2	516.9	439.6	359.8	293.9	237.4	198.3	180.7	174.4
15°	686.6	650.9	566.6	462.4	364.4	265.9	186.1	131.7	104.7	96.4	95.9
17.5°	686.1	641.3	533.4	410.8	285.6	174.2	106.0	85.3	79.6	77.5	77.5
20°	687.7	633.2	500.8	351.5	208.1	106.0	79.1	73.9	70.5	68.7	68.7
22.5°	689.2	624.9	469.4	291.6	138.2	77.5	69.7	65.3	61.4	59.4	58.3
25°	690.3	615.9	434.7	231.5	90.2	67.4	61.2	55.5	50.8	48.2	48.2
27.5°	690.0	605.0	399.7	172.6	70.0	59.9	52.4	46.4	41.7	38.9	39.1
30°	687.9	593.1	363.4	120.5	61.2	52.4	44.8	38.6	34.0	31.6	31.4
32.5°	686.4	580.4	321.4	84.8	55.0	45.9	38.1	32.1	28.3	26.4	26.2
35°	684.6	567.9	281.5	64.5	49.5	39.7	32.1	27.2	24.1	22.6	22.6
37.5°	685.1	555.0	238.2	55.5	44.1	34.5	27.5	23.3	20.7	19.2	18.9
40°	693.1	547.2	195.7	50.3	39.1	29.8	23.8	20.2	17.6	16.1	15.8
42.5°	713.1	547.4	155.0	46.4	34.7	25.4	20.7	17.4	15.0	13.2	13.0
45°	753.0	558.3	119.0	42.3	30.1	22.0	17.9	14.8	12.4	10.9	10.6
47.5°	818.3	590.7	90.2	38.6	26.2	19.2	15.3	12.4	10.4	9.1	8.8
50°	922.3	649.3	71.0	34.2	22.0	16.6	13.0	10.4	8.6	7.3	7.0
52.5°	1047.2	737.2	60.9	30.3	18.9	14.5	11.1	8.6	7.0	6.0	5.7
55°	1190.8	842.2	56.2	26.4	16.1	12.4	9.1	7.0	5.7	4.9	4.4
57.5°	1322.5	936.8	56.0	22.6	13.7	10.6	7.5	6.0	4.9	3.9	3.6
60°	1450.8	1015.8	52.6	18.7	11.9	8.8	6.5	4.9	4.1	3.4	3.1
62.5°	1567.2	1080.1	44.1	15.0	10.1	7.3	5.4	4.4	3.6	2.9	2.9
65°	1713.4	1162.0	33.7	12.2	8.3	6.0	4.7	3.9	3.4	2.6	2.6
67.5°	1864.5	1205.3	24.1	10.1	6.7	5.2	4.1	3.6	2.9	2.3	2.3
70°	1688.7	1018.4	17.4	8.3	5.7	4.4	3.6	3.4	2.9	2.3	2.1
72.5°	1318.8	734.3	13.0	6.5	4.9	4.1	3.4	3.1	2.6	2.1	2.1
75°	978.0	428.2	9.8	5.2	3.9	3.4	3.4	3.1	2.6	2.1	1.8
77.5°	531.6	149.3	7.5	4.1	3.1	2.6	2.9	2.9	2.3	1.8	1.6
80°	140.7	41.0	5.2	3.1	2.6	2.1	2.1	2.6	2.1	1.6	1.6
82.5°	41.0	11.9	3.6	2.6	2.1	1.8	1.8	1.8	1.6	1.3	1.0
85°	20.0	4.4	2.6	2.1	1.8	1.6	1.3	1.3	1.0	0.8	0.8
87.5°	8.8	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)