

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: P628816

Luminaire Tested: GWS-SA1A-735-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2262 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

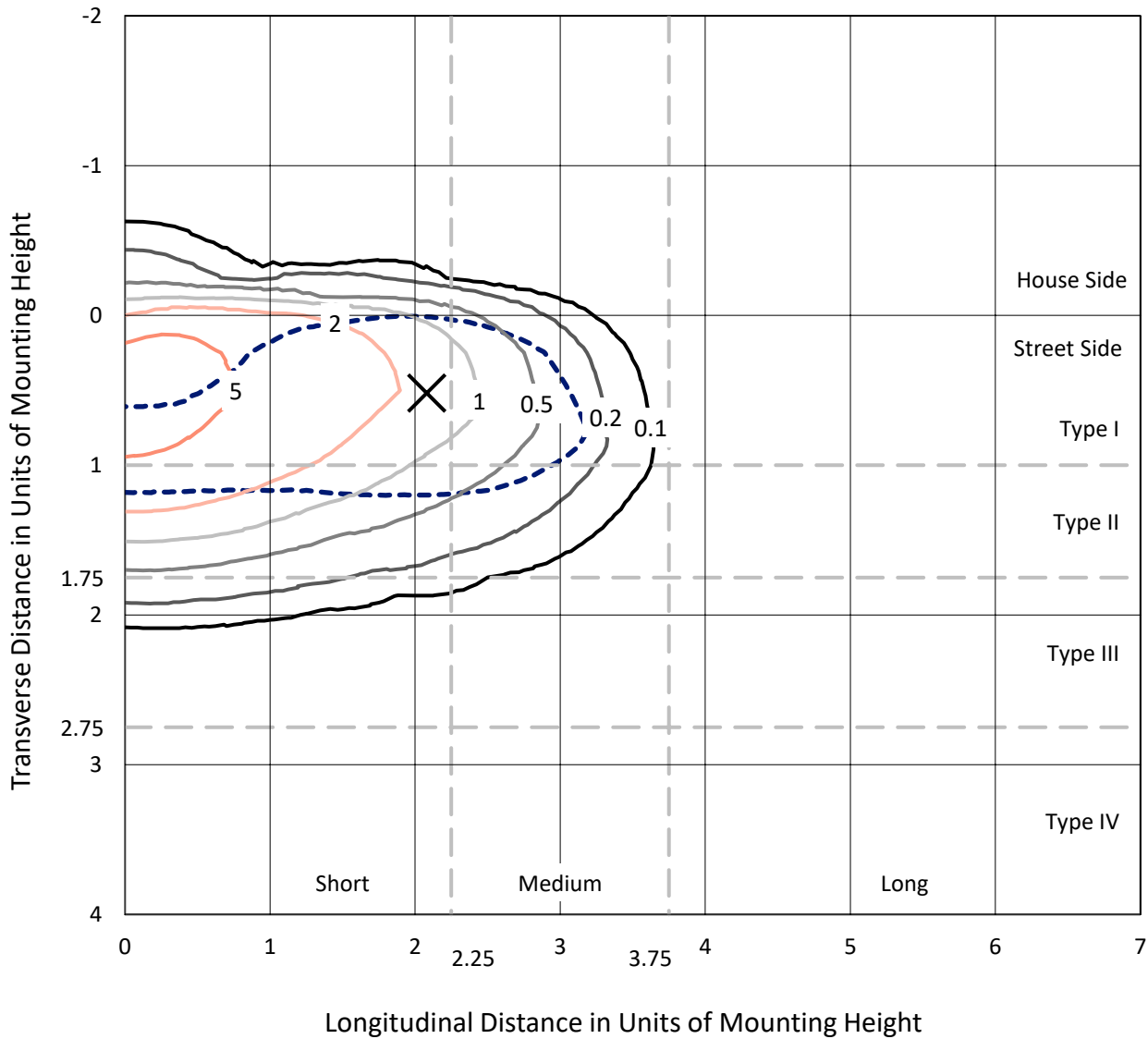
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628816
 CATALOG NUMBER: GWS-SA1A-735-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

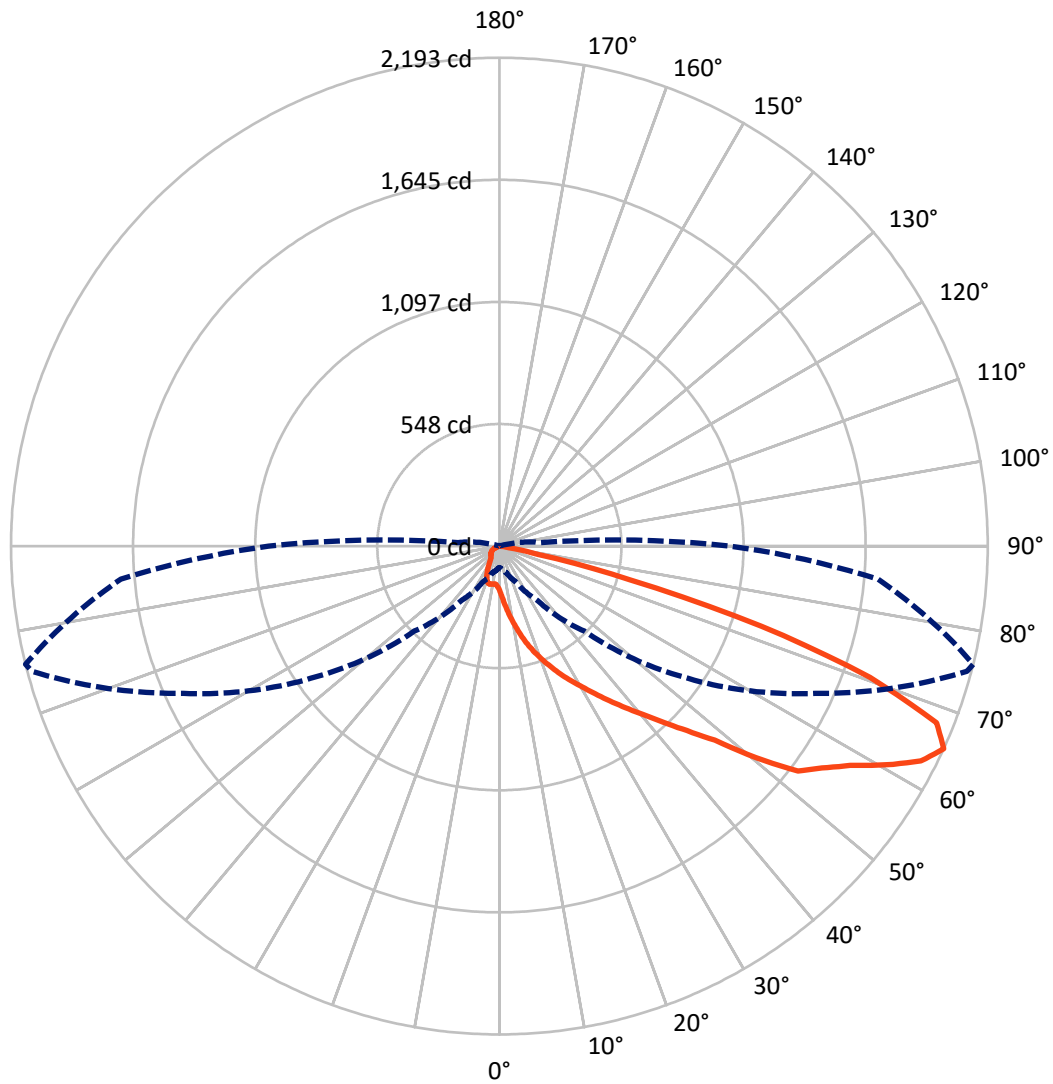
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

REPORT NUMBER: P628816
CATALOG NUMBER: GWS-SA1A-735-U-T2R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P628816
 CATALOG NUMBER: GWS-SA1A-735-U-T2R-W-HSS

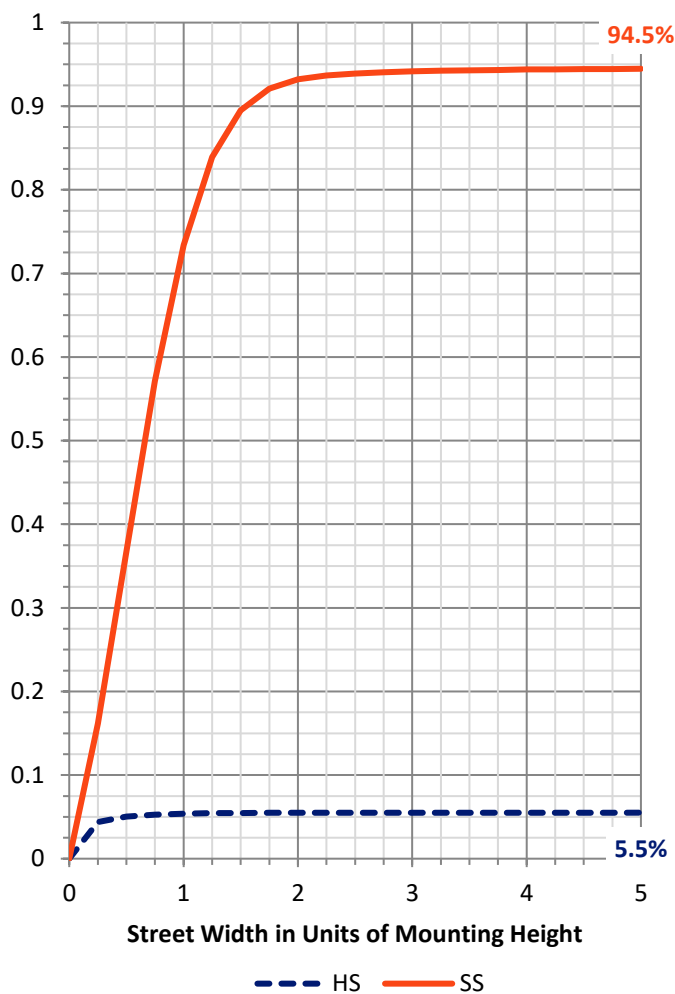
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	125.1	0.0	125.1
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2136.9	0.0	2136.9
	% Fixture	94.5	0.0	94.5
Total	Lumens	2262.0	0.0	2262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	1.1
10°-20°	92.4	4.1
20°-30°	188.6	8.3
30°-40°	335.4	14.8
40°-50°	495.9	21.9
50°-60°	567.7	25.1
60°-70°	433.1	19.1
70°-80°	121.3	5.4
80°-90°	3.1	0.1
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°	2262.0	100.0
0°-180°	2262.0	100.0

Coefficient of Utilization



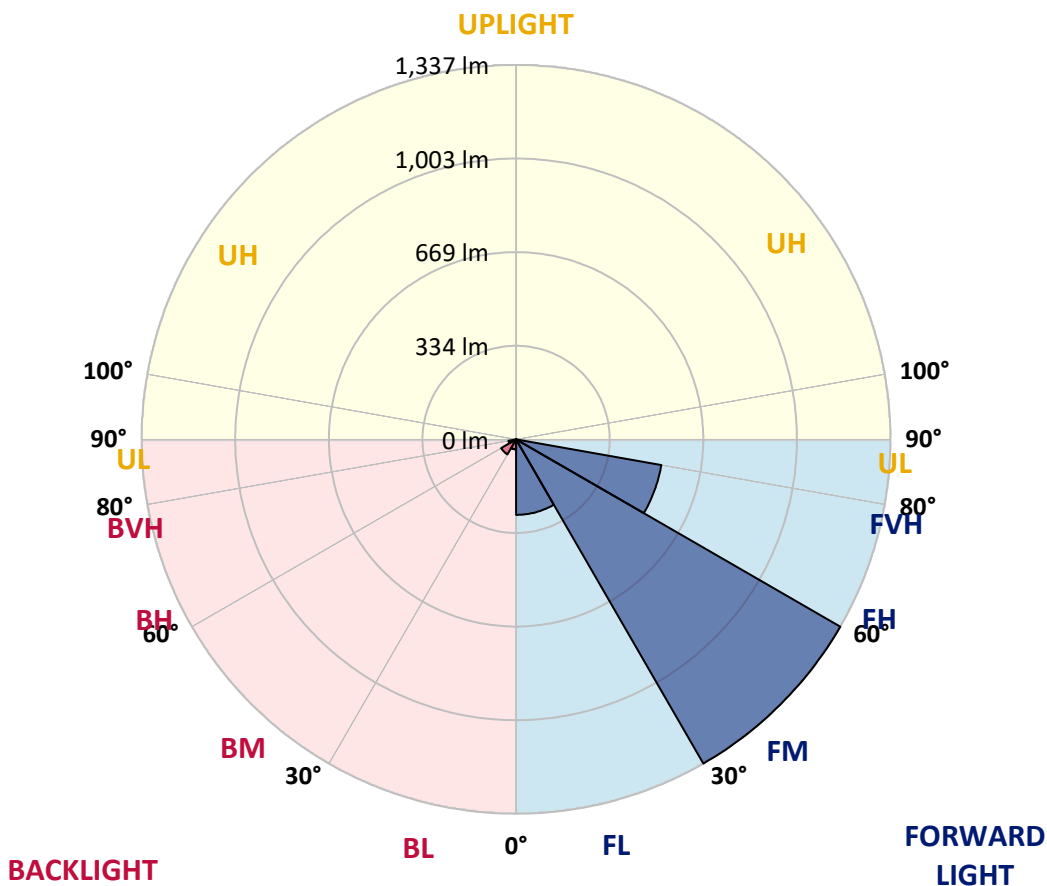
REPORT NUMBER: P628816

CATALOG NUMBER: GWS-SA1A-735-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.7	11.9			
FM (30°-60°)	1337.3	59.1			
FH (60°-80°)	527.0	23.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	35.7	1.6	B0/110		
BM (30°-60°)	61.7	2.7	B0/220		
BH (60°-80°)	27.5	1.2	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-G0
 Type II Short





REPORT NUMBER: P628816

CATALOG NUMBER: GWS-SA1A-735-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3
2.5°	308.6	313.3	309.7	303.6	292.0	280.7	266.2	246.3	230.4	228.4	213.5
5°	416.8	416.4	408.6	400.7	388.5	369.2	340.0	303.0	267.4	264.4	231.0
7.5°	481.2	481.8	477.3	471.3	459.3	439.3	409.0	364.3	312.3	306.2	255.0
10°	535.3	535.1	531.8	529.0	518.2	504.9	472.3	423.3	360.5	351.1	281.7
12.5°	575.9	577.3	578.9	581.7	577.1	564.0	533.2	479.8	409.4	398.9	312.3
15°	608.0	608.4	614.5	625.3	629.2	622.3	594.4	534.5	457.6	448.6	347.5
17.5°	617.7	618.5	628.8	648.7	668.8	672.6	651.5	589.5	505.1	495.4	381.6
20°	638.0	639.8	647.5	665.0	690.3	710.8	702.6	645.2	552.6	539.9	416.6
22.5°	701.9	703.0	700.3	702.6	715.6	739.3	744.4	699.1	601.2	587.7	454.4
25°	811.9	812.3	794.0	776.7	766.9	771.3	782.4	748.8	649.5	636.2	489.6
27.5°	926.1	927.6	905.6	876.3	841.1	821.0	817.8	794.2	698.1	683.4	524.4
30°	1033.7	1033.7	1010.6	974.8	927.8	888.5	865.4	840.1	750.2	734.1	560.0
32.5°	1130.4	1129.6	1100.1	1061.3	1014.8	971.8	923.1	887.9	808.1	790.2	601.0
35°	1210.3	1208.3	1174.7	1137.5	1087.8	1055.8	1001.5	939.4	870.9	853.0	643.2
37.5°	1270.6	1268.4	1237.6	1198.2	1152.2	1131.4	1086.0	1001.1	937.0	920.7	690.1
40°	1303.4	1298.9	1277.6	1248.3	1209.7	1191.6	1172.7	1077.8	1014.8	994.5	745.4
42.5°	1313.0	1307.8	1293.7	1280.0	1256.7	1242.4	1262.7	1164.2	1100.3	1082.8	808.5
45°	1284.5	1281.4	1280.2	1290.1	1294.3	1298.3	1348.4	1259.9	1194.6	1181.3	887.9
47.5°	1215.7	1214.9	1225.5	1266.6	1311.2	1353.6	1441.5	1378.0	1316.8	1302.6	998.9
50°	1088.6	1096.9	1126.6	1198.6	1287.9	1385.0	1528.6	1541.6	1514.7	1493.8	1143.7
52.5°	890.0	905.8	972.6	1082.0	1210.3	1376.1	1568.8	1672.7	1700.3	1678.6	1247.5
55°	698.3	713.2	772.7	911.5	1082.6	1308.8	1570.6	1718.0	1778.1	1758.0	1317.6
57.5°	520.2	533.9	587.9	720.6	908.9	1176.3	1527.6	1743.1	1870.4	1857.5	1428.4
60°	340.0	353.5	402.3	518.4	705.0	983.3	1421.6	1737.9	1996.1	1994.9	1564.6
62.5°	188.6	199.3	234.7	325.1	492.0	761.5	1255.1	1685.4	2117.7	2125.4	1676.8
65°	96.5	103.4	124.9	178.8	297.8	539.9	1036.1	1565.2	2174.0	2193.3	1706.3
67.5°	63.1	65.3	70.6	92.9	159.5	339.6	779.8	1372.3	2094.8	2117.3	1607.2
70°	51.3	53.1	56.1	61.9	82.2	180.4	512.1	1096.1	1750.3	1765.6	1279.8
72.5°	37.6	40.0	45.8	49.7	59.3	98.9	266.4	719.4	1202.0	1229.0	804.3
75°	27.7	29.2	34.0	39.2	48.5	62.5	101.9	378.2	620.7	605.0	337.8
77.5°	16.7	17.7	21.7	25.1	34.6	39.0	35.6	139.7	188.8	177.5	81.6
80°	8.2	9.2	14.3	18.9	22.1	15.7	14.9	39.0	42.0	42.0	20.5
82.5°	2.8	3.6	7.6	12.5	10.9	6.0	7.0	10.1	11.3	11.9	6.0
85°	0.0	0.0	1.8	3.6	1.6	0.8	1.8	2.2	2.8	3.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	0.8
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: P628816
 CATALOG NUMBER: GWS-SA1A-735-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3	200.3
2.5°	205.5	196.0	181.8	168.9	159.0	149.8	142.8	137.1	136.1	132.9	133.3
5°	214.7	197.7	171.3	151.0	136.7	127.1	119.0	113.0	110.4	107.8	105.8
7.5°	229.0	204.3	167.3	142.6	125.9	111.0	98.5	88.5	83.6	80.6	78.6
10°	246.5	213.5	167.5	137.5	112.8	90.1	73.0	61.9	56.7	55.1	54.9
12.5°	267.4	225.2	169.1	129.3	93.9	67.0	54.1	49.1	47.5	46.0	46.0
15°	289.5	238.3	169.1	114.2	71.6	52.3	46.9	43.6	41.6	40.8	40.4
17.5°	312.9	250.5	165.1	93.5	54.9	46.0	41.6	38.6	37.0	35.8	35.4
20°	337.8	262.2	155.0	71.6	47.1	41.2	37.0	34.0	32.4	31.2	31.2
22.5°	363.1	273.1	138.7	55.1	41.6	36.6	32.6	29.8	28.2	26.9	26.9
25°	386.7	280.3	117.8	45.4	37.6	32.6	29.0	26.1	24.3	23.5	23.1
27.5°	408.6	284.9	94.7	40.0	33.8	29.2	25.3	22.7	21.3	20.7	20.3
30°	431.3	286.1	72.4	36.4	30.6	25.7	22.1	20.1	18.9	18.1	18.1
32.5°	453.4	284.7	55.3	33.4	27.7	22.7	19.7	17.9	16.9	16.3	16.1
35°	475.9	278.3	44.8	30.8	24.9	19.9	17.5	16.1	15.5	14.7	14.7
37.5°	500.5	269.6	39.0	28.2	22.1	17.9	15.7	14.7	13.9	13.3	13.1
40°	531.0	259.6	35.8	25.9	19.5	16.1	14.1	13.1	12.5	11.9	11.7
42.5°	567.2	249.7	34.2	23.5	17.5	14.3	12.7	11.5	10.9	10.1	9.9
45°	618.5	247.5	32.4	20.9	15.7	12.9	11.1	9.9	9.0	8.4	8.2
47.5°	700.9	253.8	29.4	18.1	13.9	11.3	9.5	8.4	7.4	6.8	6.4
50°	782.8	252.1	26.3	15.7	12.3	9.7	8.0	7.0	6.0	5.4	5.2
52.5°	827.4	244.5	23.5	13.9	10.7	8.2	6.8	5.6	5.0	4.4	4.2
55°	867.8	241.5	20.7	12.1	9.0	7.2	5.6	4.6	4.2	3.6	3.4
57.5°	947.1	248.5	18.3	10.5	7.8	6.2	4.8	3.8	3.4	2.8	2.6
60°	1029.9	249.3	15.7	9.0	6.8	5.2	3.8	3.0	2.6	2.0	1.8
62.5°	1073.1	229.0	12.9	7.6	5.6	4.4	3.2	2.4	2.0	1.2	1.2
65°	1036.9	185.2	10.9	6.2	4.4	3.4	2.4	1.8	1.2	0.6	0.2
67.5°	917.7	131.7	9.0	5.0	3.2	2.4	1.8	1.2	0.2	0.0	0.0
70°	672.0	75.2	7.0	3.6	2.4	1.6	1.2	0.6	0.0	0.0	0.0
72.5°	413.0	40.2	5.2	2.4	1.8	1.2	1.0	0.4	0.0	0.0	0.0
75°	156.6	19.3	3.2	1.6	1.4	1.0	0.6	0.2	0.0	0.0	0.0
77.5°	42.4	9.5	1.8	1.2	1.0	0.6	0.4	0.0	0.0	0.0	0.0
80°	11.1	4.4	1.2	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	3.8	2.0	0.6	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0
85°	1.6	0.8	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.2	0.2	0.2	0.2	0.0	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)