

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: P629362

Luminaire Tested: GWS-SA1B-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2684.6 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

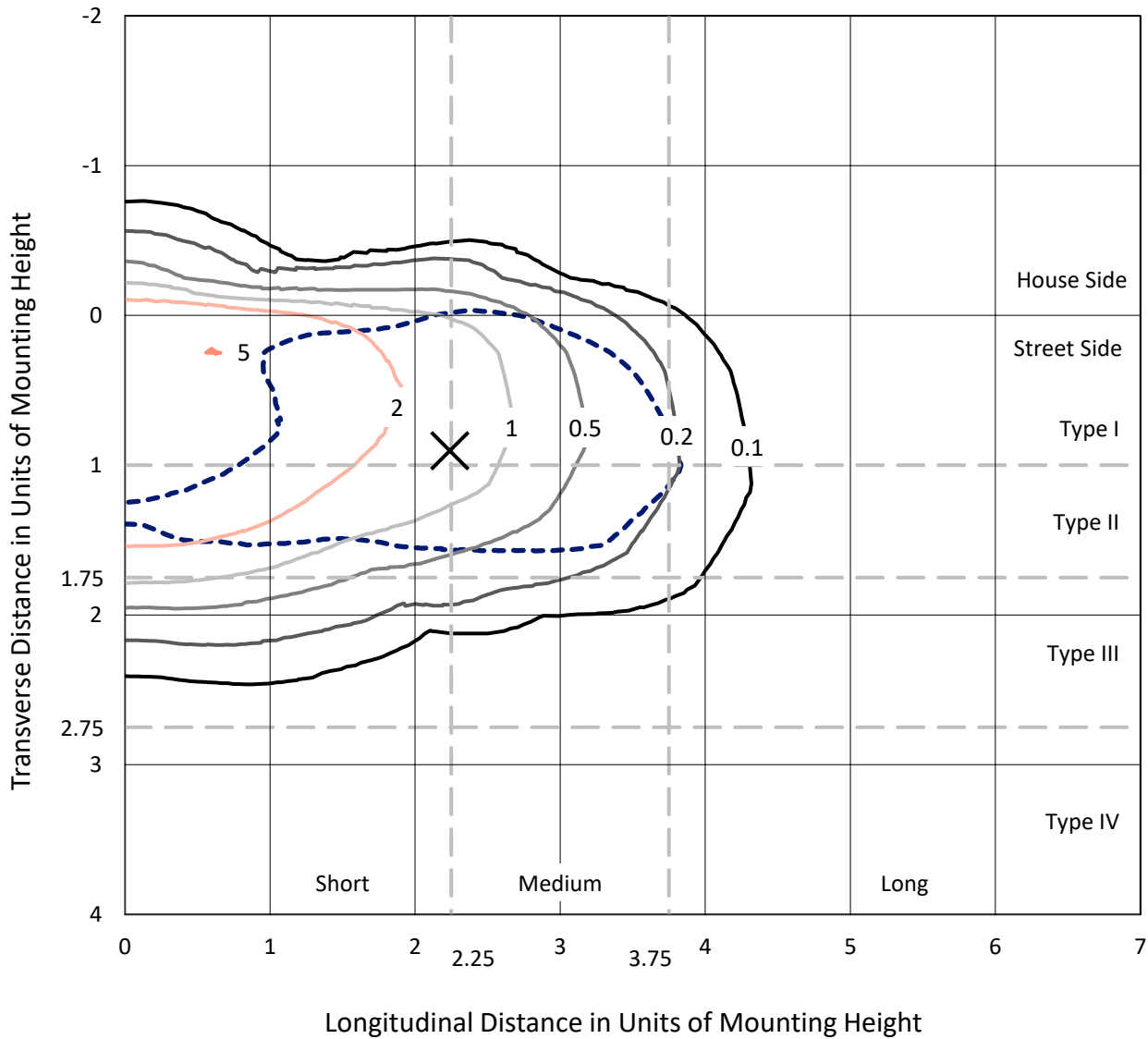
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629362
 CATALOG NUMBER: GWS-SA1B-740-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

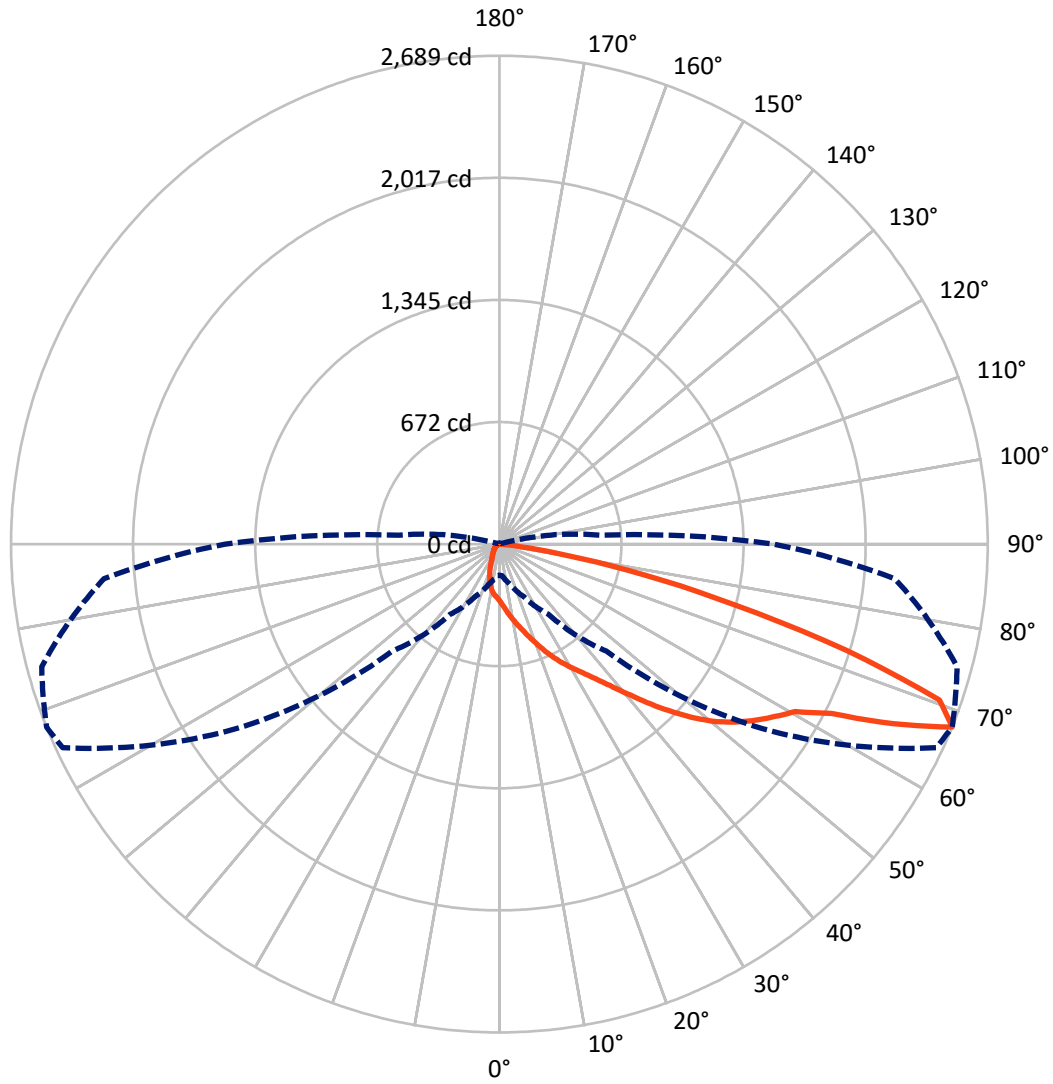
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

REPORT NUMBER: P629362
CATALOG NUMBER: GWS-SA1B-740-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629362
 CATALOG NUMBER: GWS-SA1B-740-U-T2-W-HSS

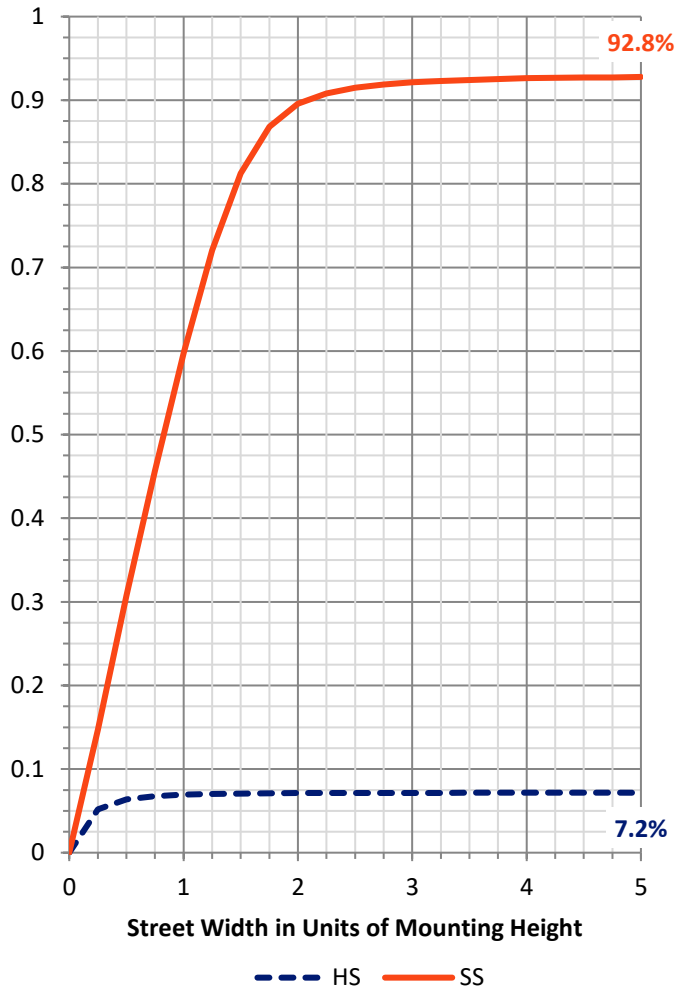
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	193.9	0.0	193.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2490.7	0.0	2490.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	2684.6	0.0	2684.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	1.1
10°-20°	87.5	3.3
20°-30°	150.4	5.6
30°-40°	261.4	9.7
40°-50°	456.2	17.0
50°-60°	688.0	25.6
60°-70°	689.9	25.7
70°-80°	304.4	11.3
80°-90°	16.3	0.6
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°	2684.6	100.0
0°-180°	2684.6	100.0

Coefficient of Utilization

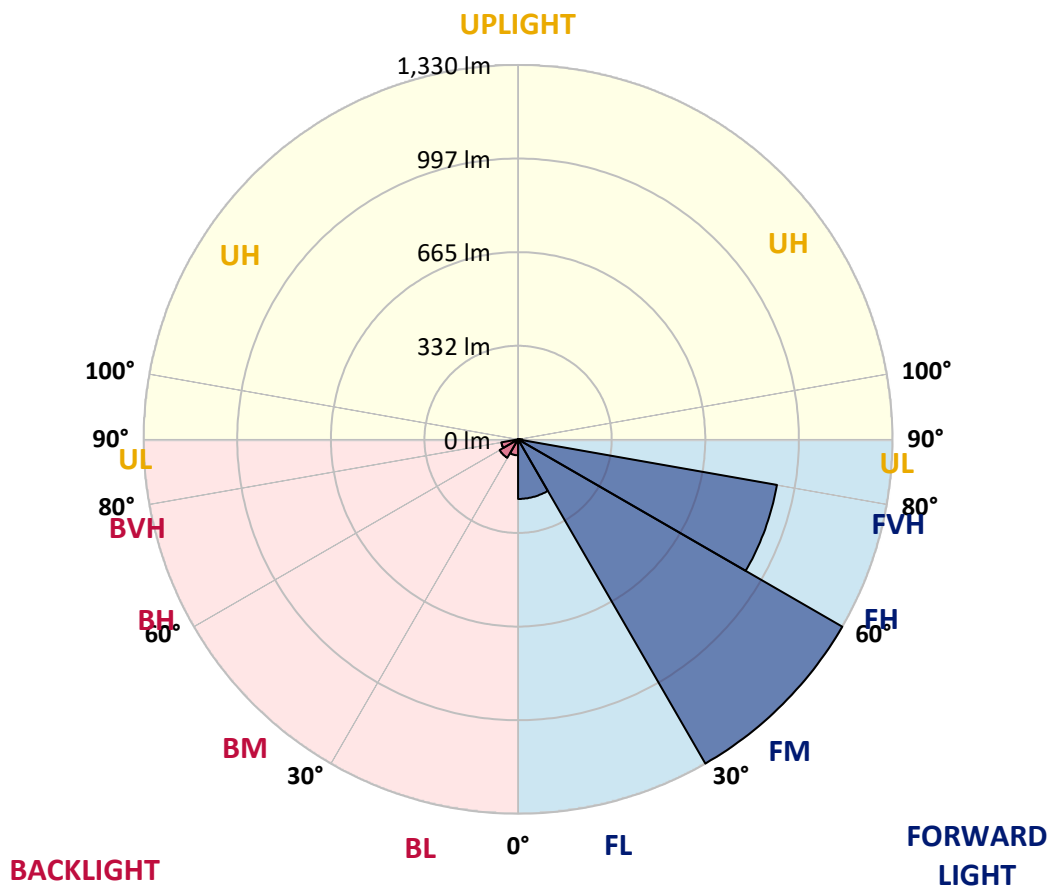


REPORT NUMBER: P629362
 CATALOG NUMBER: GWS-SA1B-740-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.6	7.9			
FM (30°-60°)	1329.9	49.5			
FH (60°-80°)	933.8	34.8			G1/1800
FVH (80°-90°)	15.3	0.6			G1/100
BL (0°-30°)	56.7	2.1	B0/110		
BM (30°-60°)	75.7	2.8	B0/220		
BH (60°-80°)	60.5	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	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 II Short





REPORT NUMBER: P629362
 CATALOG NUMBER: GWS-SA1B-740-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4
2.5°	363.8	366.1	363.8	364.3	357.6	354.6	347.9	338.6	336.3	330.4	321.4
5°	408.3	410.3	408.0	407.5	399.8	394.1	383.1	367.1	362.5	351.0	333.2
7.5°	432.4	433.7	434.5	435.7	432.9	428.3	418.3	398.5	393.6	374.9	349.9
10°	435.0	436.0	439.9	447.6	453.2	456.0	450.4	432.1	424.4	406.2	370.5
12.5°	427.8	429.3	435.5	448.3	464.0	478.4	482.0	466.1	459.1	435.7	394.6
15°	418.3	419.6	428.0	445.5	469.1	495.6	510.5	503.6	495.9	471.5	421.4
17.5°	403.6	405.4	417.2	440.9	471.5	509.2	541.3	543.7	538.3	511.8	450.9
20°	395.4	396.7	407.2	431.6	469.9	519.2	570.1	592.0	586.0	558.3	484.8
22.5°	402.3	403.4	410.3	429.3	464.8	524.9	596.8	640.3	636.9	608.1	520.5
25°	438.8	442.2	438.1	441.4	467.1	528.0	618.4	688.6	689.3	660.3	557.5
27.5°	512.8	508.5	498.7	482.0	485.1	536.2	636.9	734.0	740.7	711.2	590.4
30°	588.1	585.5	579.6	553.7	532.1	554.4	652.6	780.5	791.1	761.3	619.7
32.5°	672.6	675.2	664.7	633.6	596.8	591.4	668.8	824.7	844.5	818.0	654.1
35°	773.6	774.4	753.6	719.1	677.5	652.6	697.8	873.5	910.0	890.5	700.1
37.5°	872.0	876.6	865.3	811.1	774.1	728.6	745.8	936.2	987.6	979.9	757.9
40°	959.1	966.3	962.7	910.3	861.7	823.4	820.4	1009.7	1081.4	1090.1	834.2
42.5°	1028.5	1033.1	1035.9	998.7	955.8	934.2	912.3	1095.0	1192.1	1227.8	927.8
45°	1101.7	1103.2	1109.1	1084.0	1046.5	1048.2	1021.0	1198.5	1308.8	1380.5	1035.1
47.5°	1195.0	1200.1	1197.3	1170.8	1136.9	1157.2	1133.3	1305.2	1423.9	1543.3	1145.1
50°	1308.5	1313.9	1311.3	1280.5	1242.7	1251.2	1236.3	1408.7	1534.9	1697.0	1236.6
52.5°	1367.1	1371.5	1403.3	1417.2	1397.4	1343.5	1324.2	1522.5	1628.6	1823.4	1320.6
55°	1338.8	1341.9	1411.3	1469.9	1542.3	1488.4	1412.6	1610.4	1711.4	1922.0	1383.0
57.5°	1221.7	1238.4	1332.7	1431.8	1584.2	1631.5	1555.9	1706.0	1791.0	1990.6	1444.4
60°	981.4	980.7	1115.8	1293.9	1502.5	1670.8	1758.4	1835.2	1870.9	2043.3	1526.6
62.5°	542.4	547.2	727.1	961.7	1275.4	1569.0	1910.2	2058.5	2053.1	2135.3	1655.4
65°	270.0	279.8	377.4	550.8	848.6	1296.7	1936.4	2399.2	2383.7	2351.9	1921.3
67.5°	171.4	175.2	229.2	320.1	471.7	833.5	1773.3	2653.3	2689.0	2608.8	2185.1
70°	111.0	117.4	159.3	218.9	284.7	429.6	1299.0	2488.6	2570.5	2580.5	2020.7
72.5°	60.4	65.0	101.7	156.2	205.5	214.8	729.7	1867.6	1999.4	2189.0	1580.9
75°	34.4	37.8	55.8	106.1	150.8	130.8	323.5	1250.2	1334.2	1564.4	1132.8
77.5°	20.8	23.6	31.3	51.6	94.5	87.4	122.3	761.0	814.4	933.4	594.5
80°	9.5	11.3	19.8	28.5	51.6	41.4	46.8	354.8	366.4	383.1	196.8
82.5°	4.4	5.1	9.0	17.0	29.3	23.9	18.0	82.0	115.4	109.2	50.1
85°	0.5	0.5	3.3	6.9	8.2	6.2	7.5	18.5	23.4	32.9	14.4
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	1.5	2.3	3.3	5.4	3.6
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: P629362
 CATALOG NUMBER: GWS-SA1B-740-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4
2.5°	317.3	310.1	303.7	294.2	287.8	280.6	275.7	269.8	267.5	265.7	263.1
5°	324.5	312.9	297.3	279.8	265.4	251.8	239.2	231.0	223.8	222.8	219.2
7.5°	336.3	319.1	292.6	264.1	239.7	217.1	199.4	185.0	177.8	175.5	171.4
10°	352.0	328.3	285.7	242.0	206.8	179.8	159.8	143.6	132.3	128.2	125.1
12.5°	369.5	336.8	274.7	214.8	174.7	143.9	118.4	101.2	94.0	91.5	89.2
15°	389.5	344.8	257.2	187.6	143.4	105.9	87.9	80.4	77.3	76.6	75.8
17.5°	408.8	349.9	236.4	159.3	110.2	82.2	73.7	70.9	70.1	69.4	68.9
20°	430.6	353.5	212.0	132.6	85.6	69.6	65.5	63.5	61.9	60.4	60.1
22.5°	453.0	353.5	185.5	106.4	71.7	62.4	57.8	54.0	51.1	49.6	49.1
25°	474.3	348.6	159.3	85.0	63.2	55.5	49.6	45.2	41.4	39.6	39.1
27.5°	489.4	336.1	136.4	71.9	57.3	49.3	42.1	37.3	34.2	32.4	32.1
30°	498.9	317.3	115.4	64.2	52.2	42.9	35.7	31.6	29.3	28.0	27.5
32.5°	506.1	294.2	96.6	58.8	47.3	37.3	31.1	27.7	25.7	24.7	24.4
35°	520.5	272.3	82.7	54.0	42.1	32.6	27.2	24.7	23.1	21.8	21.6
37.5°	540.6	254.1	71.7	49.6	37.3	29.0	24.7	22.4	21.1	19.8	19.5
40°	570.1	242.5	63.5	45.2	32.9	26.2	22.6	20.6	18.8	17.5	17.2
42.5°	615.6	237.1	58.1	40.9	29.0	23.6	20.8	18.2	16.4	15.2	14.9
45°	669.8	240.0	53.4	36.5	26.5	21.8	18.5	15.9	14.1	12.8	12.6
47.5°	727.9	250.0	49.6	32.4	23.9	20.0	16.4	13.6	12.1	10.8	10.5
50°	788.5	266.4	46.2	28.5	21.8	18.0	14.1	11.8	10.3	9.2	9.0
52.5°	841.2	288.8	42.9	25.7	20.0	15.9	12.3	10.3	8.7	7.7	7.5
55°	891.5	309.8	40.3	23.1	18.0	13.9	10.8	8.7	7.5	6.4	6.2
57.5°	946.2	332.2	37.3	20.8	16.2	12.3	9.5	7.5	6.4	5.4	5.1
60°	1025.9	365.3	32.6	19.0	14.1	10.8	8.2	6.7	5.7	4.4	4.1
62.5°	1140.7	425.7	27.5	16.4	12.1	9.2	6.9	5.7	4.6	3.6	3.1
65°	1355.5	528.5	22.6	13.6	9.8	7.7	5.9	4.6	3.6	2.6	2.3
67.5°	1510.2	555.2	18.2	11.0	8.0	5.9	4.9	3.6	2.6	1.8	1.5
70°	1320.3	398.7	14.1	9.0	6.7	4.6	3.9	2.8	1.8	1.3	1.0
72.5°	994.8	260.5	10.5	6.9	5.1	3.9	2.8	2.3	1.5	1.0	0.8
75°	701.1	150.6	7.7	5.1	3.6	2.8	2.3	1.8	1.3	0.8	0.8
77.5°	359.4	62.2	5.4	3.6	2.6	1.8	1.5	1.0	1.0	0.8	0.5
80°	109.2	20.6	3.1	2.3	1.8	1.3	0.8	0.8	0.8	0.5	0.3
82.5°	24.9	6.7	1.8	1.8	1.3	1.0	0.8	0.3	0.3	0.0	0.0
85°	6.4	2.1	1.5	1.3	1.3	1.0	0.5	0.3	0.0	0.0	0.0
87.5°	2.3	1.3	1.3	1.3	1.0	0.8	0.5	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)