

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: P628871

Luminaire Tested: GWS-SA1A-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628871
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2293.4 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

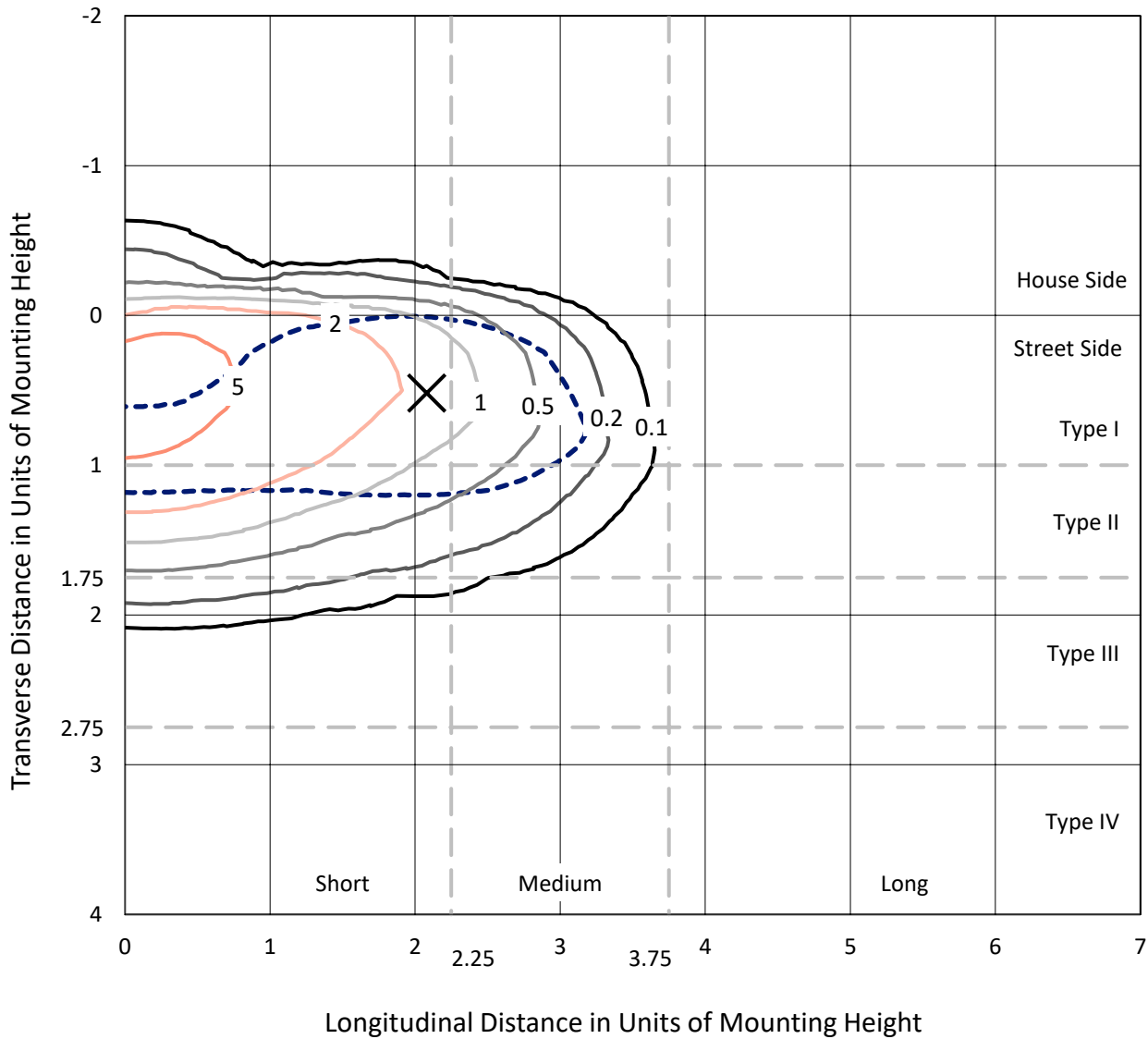
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628871
 CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

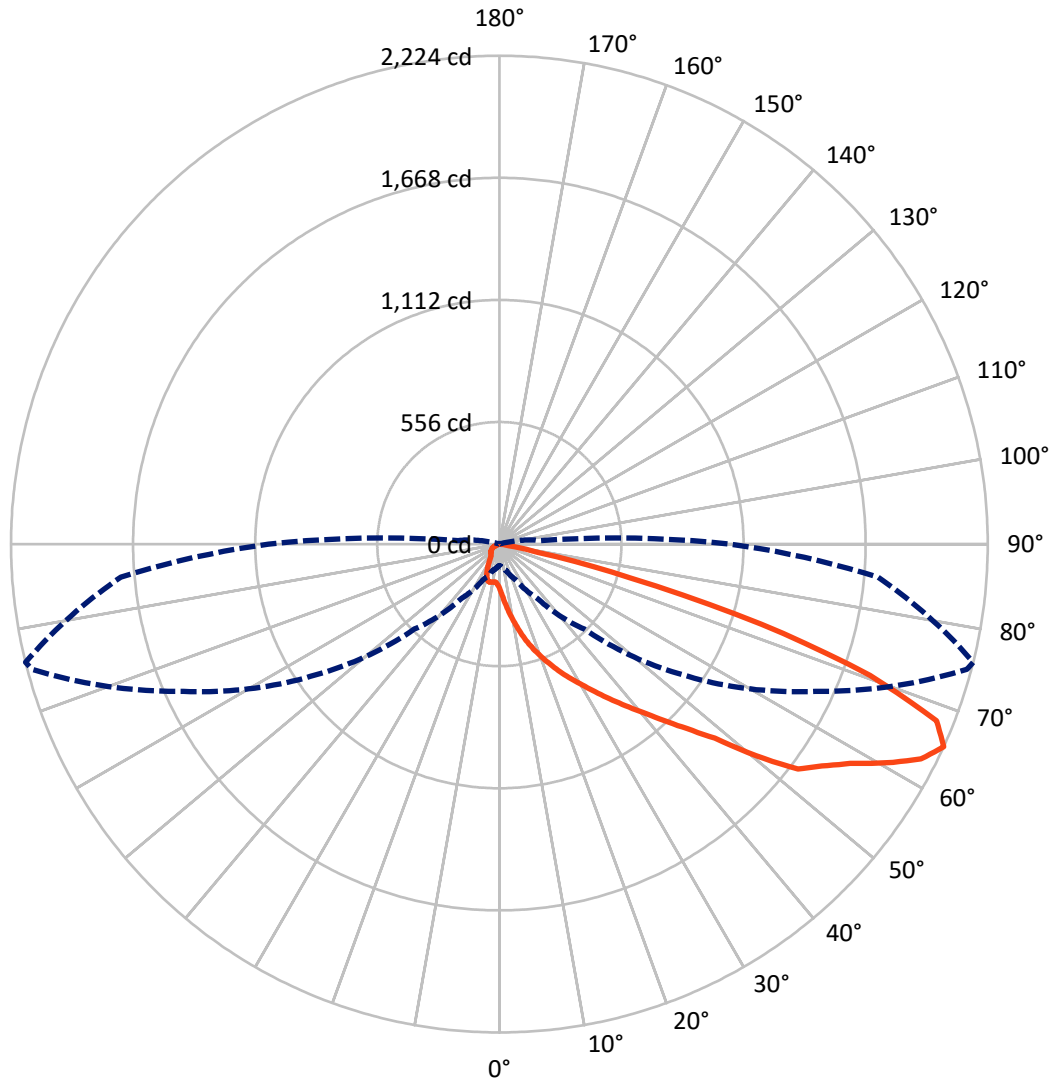
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P628871
CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P628871
 CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-HSS

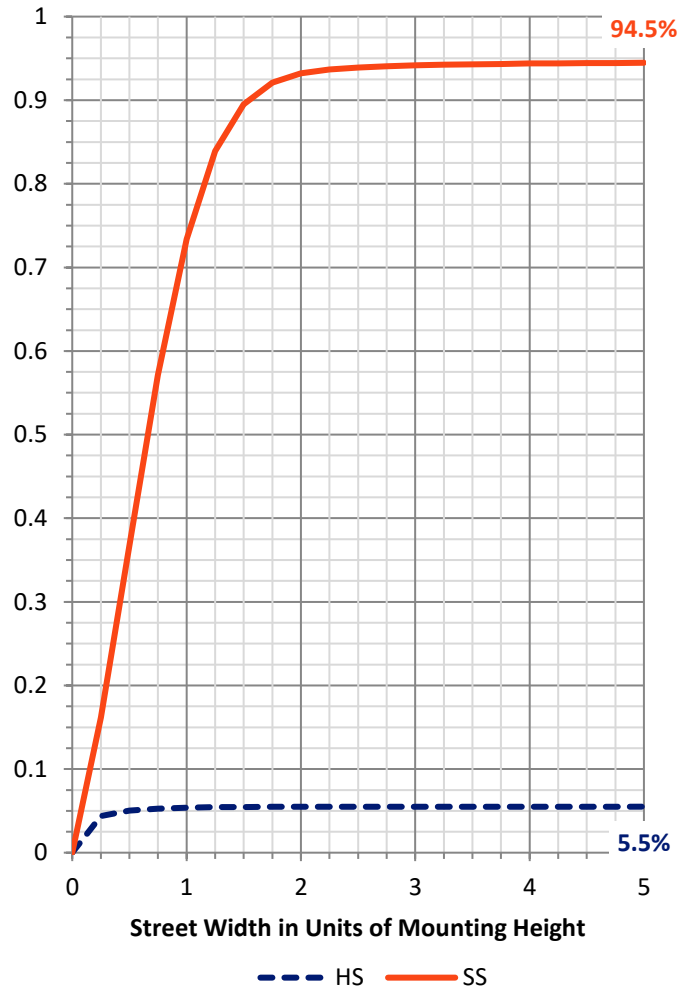
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	126.8	0.0	126.8
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2166.6	0.0	2166.6
	% Fixture	94.5	0.0	94.5
Total	Lumens	2293.4	0.0	2293.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	1.1
10°-20°	93.7	4.1
20°-30°	191.2	8.3
30°-40°	340.1	14.8
40°-50°	502.8	21.9
50°-60°	575.6	25.1
60°-70°	439.2	19.1
70°-80°	123.0	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°	2293.4	100.0
0°-180°	2293.4	100.0

Coefficient of Utilization

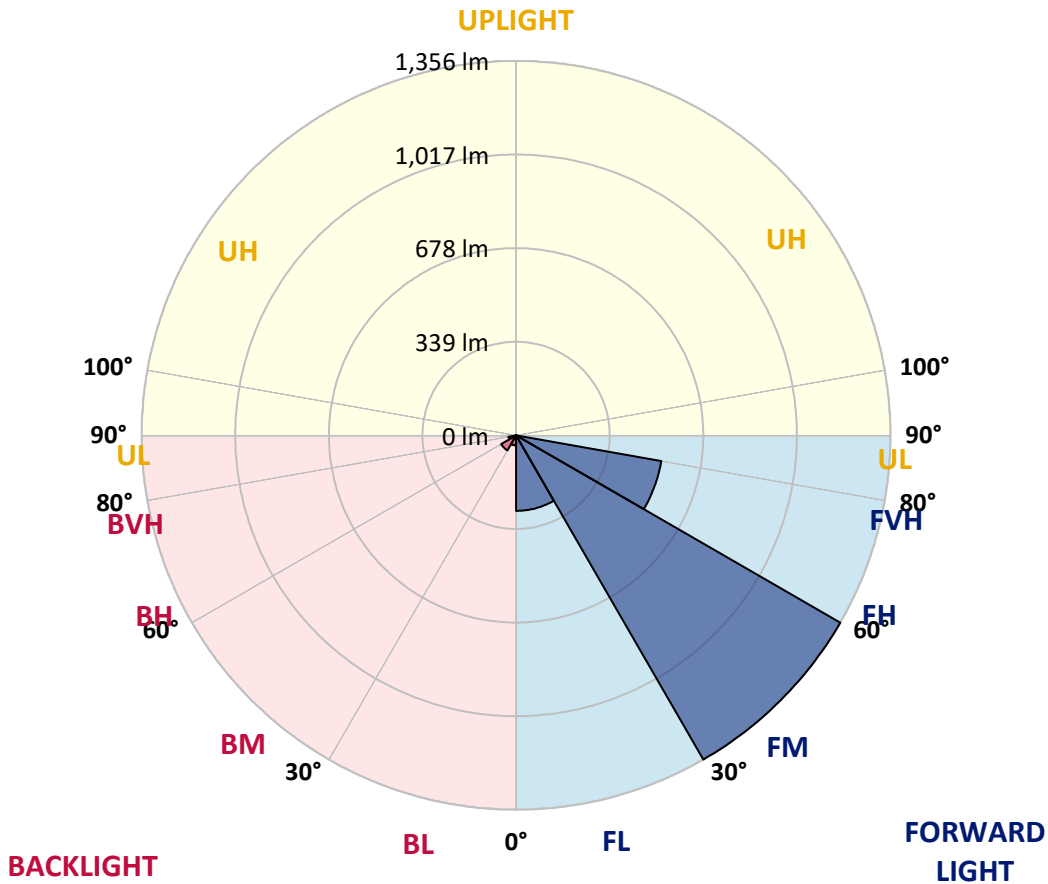


REPORT NUMBER: P628871
 CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.5	11.9			
FM (30°-60°)	1355.9	59.1			
FH (60°-80°)	534.3	23.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	36.2	1.6	B0/110		
BM (30°-60°)	62.6	2.7	B0/220		
BH (60°-80°)	27.9	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: P628871
 CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	312.9	317.6	314.0	307.8	296.0	284.6	269.9	249.7	233.6	231.6	216.5
5°	422.6	422.2	414.3	406.3	393.9	374.3	344.7	307.2	271.1	268.1	234.2
7.5°	487.8	488.5	484.0	477.9	465.6	445.4	414.7	369.4	316.6	310.5	258.5
10°	542.7	542.5	539.2	536.4	525.4	511.9	478.9	429.1	365.5	355.9	285.6
12.5°	583.9	585.3	586.9	589.8	585.1	571.8	540.7	486.4	415.1	404.5	316.6
15°	616.5	616.9	623.0	634.0	637.9	631.0	602.6	541.9	464.0	454.8	352.3
17.5°	626.3	627.1	637.5	657.7	678.1	681.9	660.5	597.7	512.1	502.3	386.9
20°	646.9	648.7	656.4	674.2	699.9	720.7	712.3	654.2	560.2	547.4	422.4
22.5°	711.7	712.7	710.1	712.3	725.6	749.6	754.7	708.8	609.6	595.9	460.7
25°	823.2	823.6	805.1	787.5	777.5	782.0	793.2	759.2	658.5	645.0	496.4
27.5°	939.0	940.4	918.2	888.4	852.8	832.4	829.1	805.3	707.8	692.9	531.7
30°	1048.1	1048.1	1024.6	988.3	940.6	900.9	877.4	851.7	760.6	744.3	567.8
32.5°	1146.1	1145.3	1115.3	1076.0	1028.9	985.3	935.9	900.3	819.3	801.2	609.4
35°	1227.1	1225.0	1191.0	1153.3	1102.9	1070.5	1015.5	952.5	882.9	864.8	652.2
37.5°	1288.2	1286.0	1254.8	1214.8	1168.1	1147.1	1101.1	1015.0	950.0	933.5	699.7
40°	1321.5	1317.0	1295.4	1265.6	1226.5	1208.1	1188.9	1092.7	1028.9	1008.3	755.7
42.5°	1331.2	1325.9	1311.7	1297.8	1274.2	1259.7	1280.3	1180.4	1115.5	1097.8	819.7
45°	1302.3	1299.2	1298.0	1308.0	1312.3	1316.4	1367.1	1277.4	1211.2	1197.7	900.3
47.5°	1232.6	1231.8	1242.6	1284.1	1329.4	1372.4	1461.5	1397.1	1335.1	1320.6	1012.8
50°	1103.7	1112.1	1142.3	1215.2	1305.8	1404.2	1549.8	1563.0	1535.7	1514.5	1159.6
52.5°	902.3	918.4	986.1	1097.0	1227.1	1395.3	1590.6	1696.0	1723.9	1701.9	1264.8
55°	708.0	723.1	783.5	924.1	1097.6	1327.0	1592.4	1741.8	1802.8	1782.4	1335.9
57.5°	527.4	541.3	596.1	730.7	921.5	1192.6	1548.8	1767.3	1896.4	1883.3	1448.3
60°	344.7	358.4	407.9	525.6	714.8	996.9	1441.3	1762.0	2023.8	2022.5	1586.3
62.5°	191.2	202.0	237.9	329.6	498.9	772.0	1272.5	1708.8	2147.1	2154.9	1700.0
65°	97.9	104.8	126.6	181.2	301.9	547.4	1050.5	1586.9	2204.2	2223.8	1730.0
67.5°	64.0	66.3	71.6	94.2	161.7	344.3	790.6	1391.4	2123.9	2146.7	1629.5
70°	52.0	53.8	56.9	62.8	83.4	182.9	519.2	1111.3	1774.6	1790.1	1297.6
72.5°	38.1	40.6	46.5	50.4	60.1	100.3	270.1	729.4	1218.7	1246.0	815.5
75°	28.1	29.6	34.5	39.8	49.1	63.4	103.4	383.5	629.3	613.4	342.5
77.5°	16.9	17.9	22.0	25.5	35.1	39.5	36.1	141.7	191.4	180.0	82.8
80°	8.4	9.4	14.5	19.2	22.4	15.9	15.1	39.5	42.6	42.6	20.8
82.5°	2.9	3.7	7.7	12.6	11.0	6.1	7.1	10.2	11.4	12.0	6.1
85°	0.0	0.0	1.8	3.7	1.6	0.8	1.8	2.2	2.9	3.1	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: P628871
 CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	208.4	198.8	184.3	171.2	161.3	151.9	144.7	139.0	138.0	134.8	135.2
5°	217.7	200.4	173.7	153.1	138.6	128.8	120.7	114.6	111.9	109.3	107.2
7.5°	232.2	207.1	169.6	144.5	127.6	112.5	99.9	89.7	84.8	81.7	79.7
10°	249.9	216.5	169.8	139.4	114.4	91.3	74.0	62.8	57.5	55.9	55.7
12.5°	271.1	228.3	171.5	131.1	95.2	67.9	54.8	49.7	48.1	46.7	46.7
15°	293.6	241.6	171.5	115.8	72.6	53.0	47.5	44.2	42.2	41.4	41.0
17.5°	317.2	254.0	167.4	94.8	55.7	46.7	42.2	39.1	37.5	36.3	35.9
20°	342.5	265.8	157.2	72.6	47.7	41.8	37.5	34.5	32.8	31.6	31.6
22.5°	368.2	276.8	140.7	55.9	42.2	37.1	33.0	30.2	28.5	27.3	27.3
25°	392.0	284.2	119.5	46.1	38.1	33.0	29.4	26.5	24.7	23.9	23.4
27.5°	414.3	288.9	96.0	40.6	34.2	29.6	25.7	23.0	21.6	21.0	20.6
30°	437.3	290.1	73.4	36.9	31.0	26.1	22.4	20.4	19.2	18.3	18.3
32.5°	459.7	288.7	56.1	33.8	28.1	23.0	20.0	18.1	17.1	16.5	16.3
35°	482.5	282.1	45.5	31.2	25.3	20.2	17.7	16.3	15.7	14.9	14.9
37.5°	507.4	273.4	39.5	28.5	22.4	18.1	15.9	14.9	14.1	13.5	13.3
40°	538.4	263.2	36.3	26.3	19.8	16.3	14.3	13.3	12.6	12.0	11.8
42.5°	575.1	253.2	34.7	23.9	17.7	14.5	12.8	11.6	11.0	10.2	10.0
45°	627.1	251.0	32.8	21.2	15.9	13.0	11.2	10.0	9.2	8.6	8.4
47.5°	710.7	257.3	29.8	18.3	14.1	11.4	9.6	8.6	7.5	6.9	6.5
50°	793.6	255.6	26.7	15.9	12.4	9.8	8.2	7.1	6.1	5.5	5.3
52.5°	838.9	247.9	23.9	14.1	10.8	8.4	6.9	5.7	5.1	4.5	4.3
55°	879.9	244.8	21.0	12.2	9.2	7.3	5.7	4.7	4.3	3.7	3.5
57.5°	960.2	252.0	18.6	10.6	8.0	6.3	4.9	3.9	3.5	2.9	2.7
60°	1044.2	252.8	15.9	9.2	6.9	5.3	3.9	3.1	2.7	2.0	1.8
62.5°	1088.0	232.2	13.0	7.7	5.7	4.5	3.3	2.4	2.0	1.2	1.2
65°	1051.3	187.8	11.0	6.3	4.5	3.5	2.4	1.8	1.2	0.6	0.2
67.5°	930.4	133.5	9.2	5.1	3.3	2.4	1.8	1.2	0.2	0.0	0.0
70°	681.3	76.2	7.1	3.7	2.4	1.6	1.2	0.6	0.0	0.0	0.0
72.5°	418.7	40.8	5.3	2.4	1.8	1.2	1.0	0.4	0.0	0.0	0.0
75°	158.8	19.6	3.3	1.6	1.4	1.0	0.6	0.2	0.0	0.0	0.0
77.5°	43.0	9.6	1.8	1.2	1.0	0.6	0.4	0.0	0.0	0.0	0.0
80°	11.2	4.5	1.2	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	3.9	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)