

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: P628662

Luminaire Tested: GWS-SA1A-722-U-T4FT-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-T4FT-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

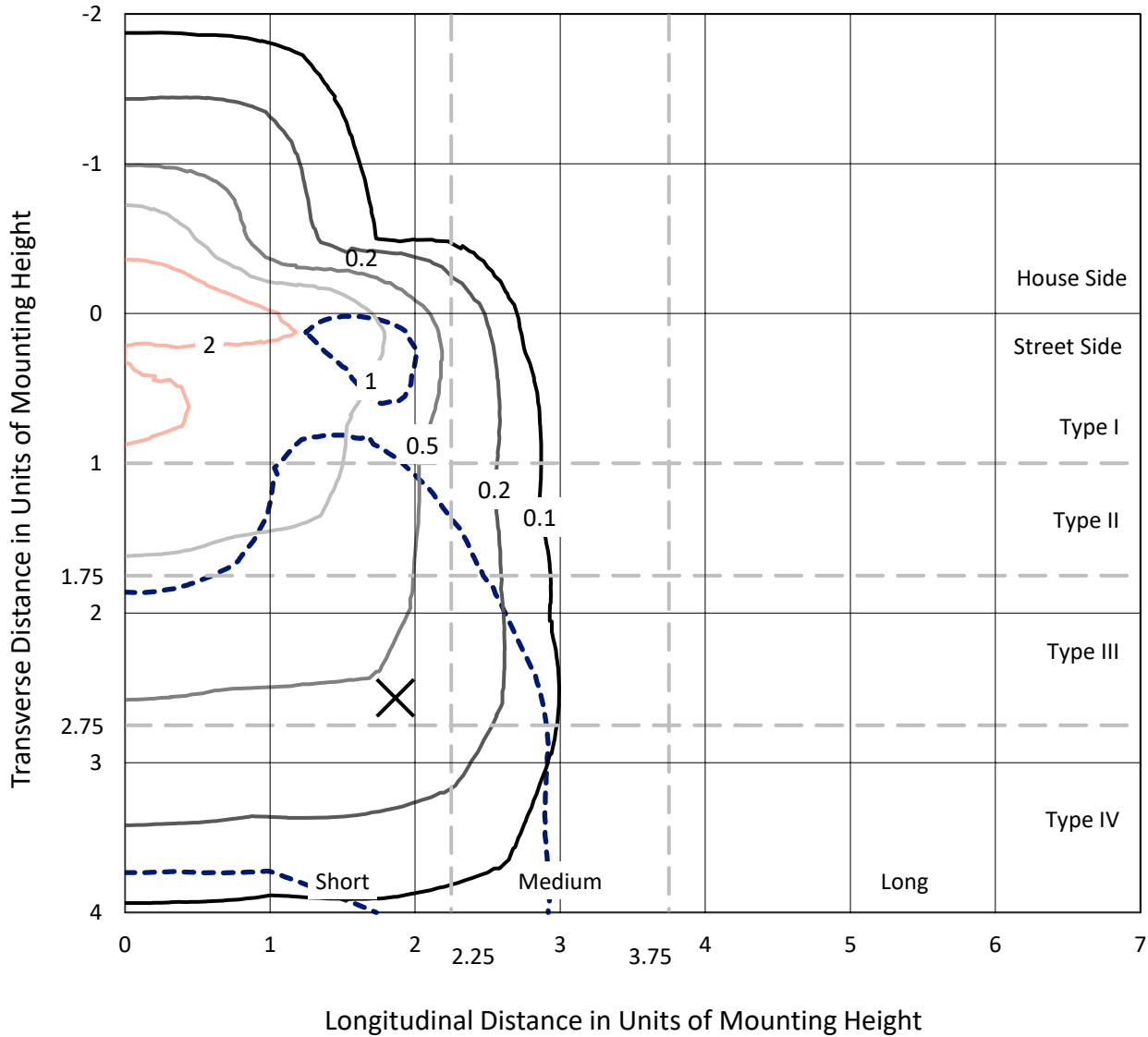
Lumens per Lamp: N/A  
Luminaire Lumens: 2023.3 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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: P628662  
 CATALOG NUMBER: GWS-SA1A-722-U-T4FT-W

### Iso-Footcandle Lines of Horizontal Illumination

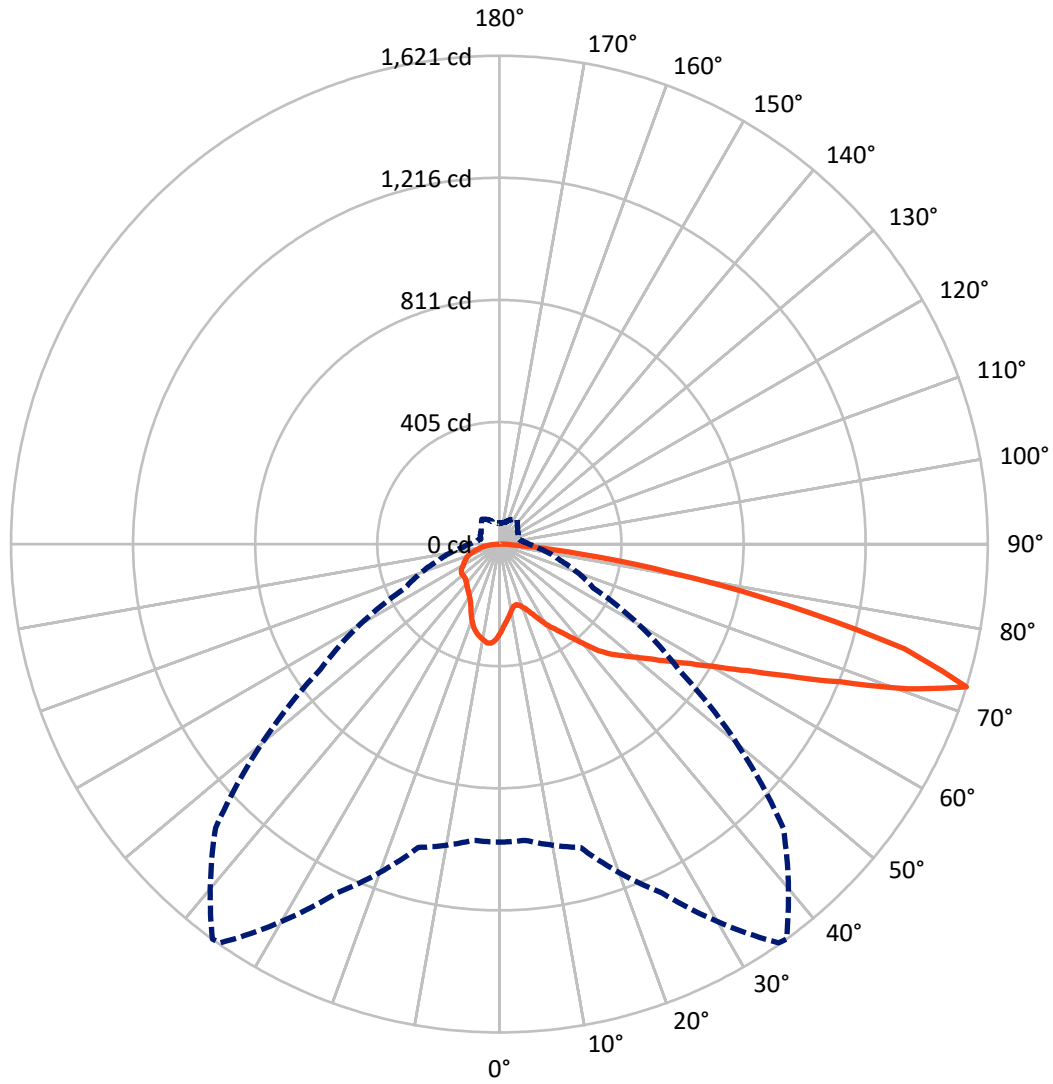
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P628662  
CATALOG NUMBER: GWS-SA1A-722-U-T4FT-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P628662

CATALOG NUMBER: GWS-SA1A-722-U-T4FT-W

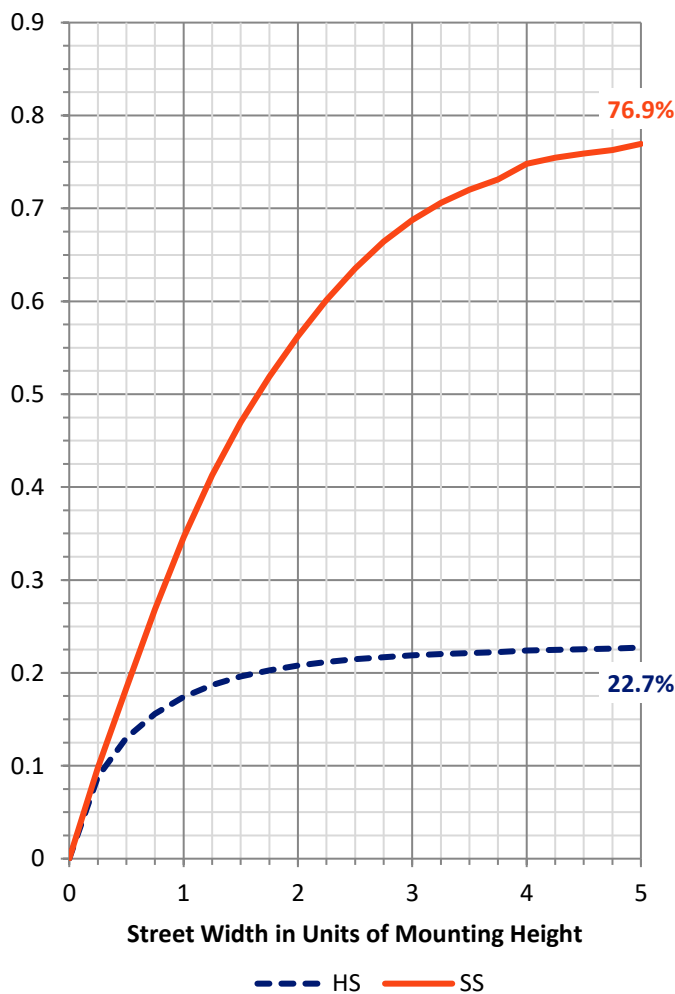
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	466.5	0.0	466.5
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	1556.8	0.0	1556.8
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	2023.3	0.0	2023.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.7	1.4
10°-20°	78.1	3.9
20°-30°	129.3	6.4
30°-40°	193.7	9.6
40°-50°	282.6	14.0
50°-60°	402.2	19.9
60°-70°	508.1	25.1
70°-80°	362.1	17.9
80°-90°	39.5	2.0
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°	2023.3	100.0
0°-180°	2023.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P628662

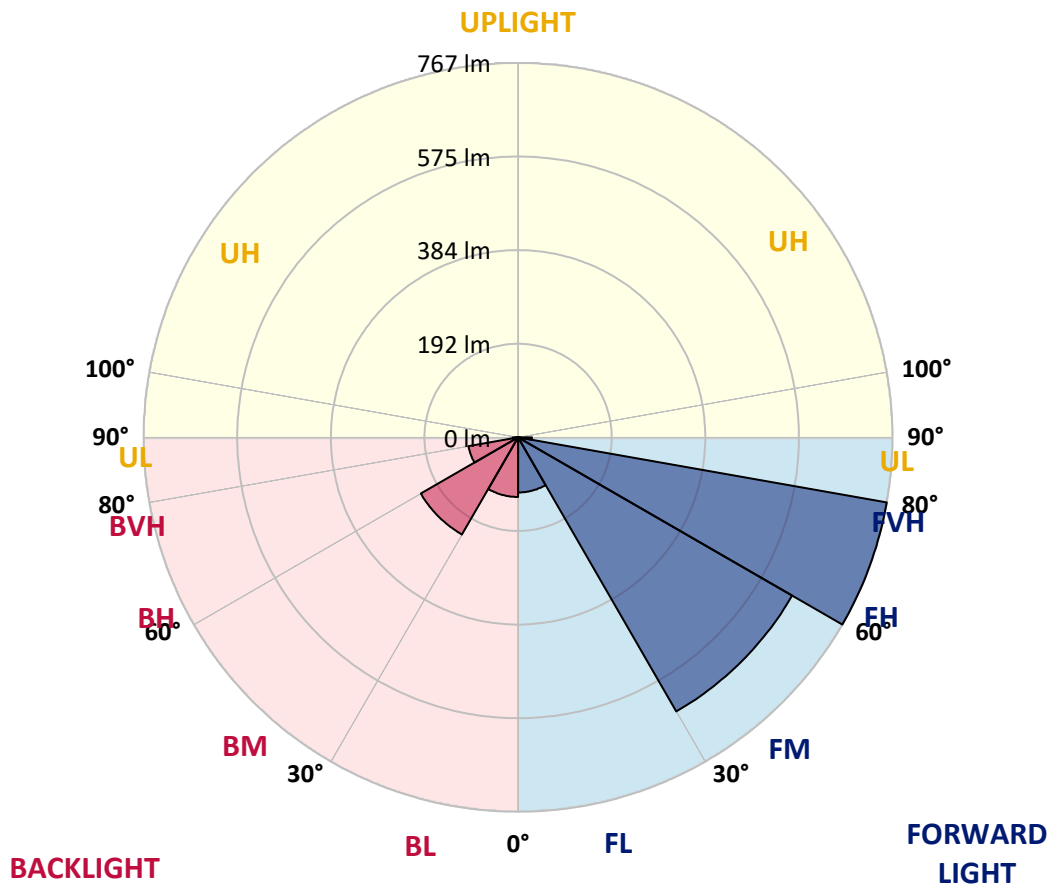
CATALOG NUMBER: GWS-SA1A-722-U-T4FT-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.0	5.6			
FM (30°-60°)	648.4	32.0			
FH (60°-80°)	767.1	37.9			G1/1800
FVH (80°-90°)	28.4	1.4			G1/100
BL (0°-30°)	122.1	6.0	B1/500		
BM (30°-60°)	230.0	11.4	B1/1000		
BH (60°-80°)	103.1	5.1	B0/110		G0/110
BVH (80°-90°)	11.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





REPORT NUMBER: P628662  
 CATALOG NUMBER: GWS-SA1A-722-U-T4FT-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1
2.5°	270.1	269.7	268.8	271.5	274.2	273.9	277.6	281.3	285.2	289.2	294.6
5°	248.5	248.2	247.5	251.5	255.6	255.4	261.6	267.4	275.4	284.1	294.9
7.5°	226.9	226.1	227.2	232.3	238.0	238.6	247.0	256.6	268.2	281.3	296.6
10°	207.8	207.7	208.1	213.8	222.4	223.0	233.8	247.2	262.5	279.9	300.3
12.5°	202.9	202.6	201.4	204.2	210.7	211.6	223.4	239.8	258.6	280.7	305.4
15°	211.0	210.2	206.0	204.7	207.8	208.6	218.6	235.5	256.3	282.0	311.9
17.5°	224.9	224.5	216.5	211.0	213.1	213.7	221.2	234.7	255.7	284.7	319.8
20°	245.4	243.4	230.9	222.5	222.5	223.4	227.9	238.0	256.5	288.0	328.9
22.5°	272.4	268.5	250.9	239.5	236.5	237.7	239.7	246.3	259.6	293.6	340.1
25°	302.7	299.1	278.2	262.2	258.0	258.4	256.8	258.0	266.5	301.2	354.1
27.5°	335.0	332.6	310.4	290.0	283.4	283.4	277.5	274.6	276.1	309.9	369.7
30°	363.8	360.5	341.8	319.4	310.7	310.7	299.6	293.4	289.8	320.6	390.6
32.5°	379.0	377.1	364.6	347.5	336.8	335.2	325.6	318.3	309.9	336.4	418.8
35°	398.8	398.4	390.9	377.5	364.0	361.6	355.0	349.3	334.7	356.0	456.3
37.5°	423.8	423.0	421.8	413.8	397.6	397.2	391.3	384.4	365.5	384.4	501.8
40°	451.7	450.3	448.8	448.7	438.9	437.3	436.8	429.0	402.6	418.7	549.3
42.5°	490.1	485.5	471.4	477.7	484.9	483.4	489.1	477.4	448.8	459.3	594.2
45°	537.4	526.0	498.1	499.9	518.1	521.1	540.9	538.0	499.7	506.3	641.5
47.5°	565.8	555.9	529.9	528.4	551.1	554.8	597.9	603.4	554.5	563.0	699.9
50°	589.1	582.2	560.9	563.0	587.0	590.7	654.6	666.1	606.2	620.9	767.8
52.5°	617.2	607.3	590.7	600.6	630.1	634.6	717.5	729.9	652.8	684.6	838.1
55°	632.9	628.9	629.2	644.3	681.3	687.4	783.4	781.3	695.4	739.1	890.9
57.5°	669.3	667.8	681.6	687.3	741.0	749.0	849.3	831.3	734.1	781.3	916.3
60°	733.4	729.6	741.6	750.4	814.9	826.2	922.9	880.2	760.4	812.7	907.7
62.5°	823.5	818.8	819.3	833.1	913.9	925.7	1004.7	921.1	768.5	817.5	853.5
65°	935.5	928.8	921.1	939.9	1045.3	1055.2	1093.8	950.8	749.2	771.2	740.3
67.5°	1053.7	1048.1	1039.1	1078.5	1215.4	1221.4	1193.6	948.3	687.7	647.5	519.3
70°	1060.6	1061.9	1104.6	1246.9	1437.5	1439.0	1288.1	896.9	557.0	419.7	258.7
72.5°	989.4	987.2	1042.7	1277.7	1616.2	1621.3	1332.7	726.6	344.2	209.3	121.3
75°	803.7	807.6	866.0	1118.0	1385.2	1389.7	1086.4	428.4	163.5	102.4	77.6
77.5°	346.0	367.7	482.9	787.6	992.1	978.2	560.0	173.6	87.2	73.0	59.5
80°	99.9	108.4	172.1	374.5	594.5	584.0	221.6	65.0	60.8	54.8	42.6
82.5°	32.3	35.7	63.1	149.1	266.4	266.1	84.1	38.4	39.8	37.2	27.5
85°	9.0	10.4	19.4	45.2	82.4	80.8	24.3	18.2	21.2	21.5	13.7
87.5°	0.0	0.0	0.2	0.3	0.3	0.3	0.6	2.7	6.2	7.8	5.6
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: P628662  
 CATALOG NUMBER: GWS-SA1A-722-U-T4FT-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1	296.1
2.5°	297.9	297.5	303.6	308.4	312.9	315.9	316.8	317.4	318.6	319.2	318.6
5°	300.0	302.3	312.5	320.0	326.0	329.6	329.8	329.5	330.4	329.6	329.2
7.5°	304.5	308.9	321.8	329.8	333.7	333.8	330.2	326.0	323.9	322.1	321.5
10°	310.5	317.0	331.1	336.4	335.2	329.6	321.6	315.0	311.3	308.6	308.0
12.5°	318.8	326.0	339.4	339.2	331.7	321.8	312.5	304.5	299.1	296.0	294.9
15°	326.6	335.8	345.4	338.3	326.5	314.4	302.4	291.8	284.6	279.6	278.7
17.5°	336.2	346.0	349.7	335.5	319.8	304.4	288.3	274.3	264.6	258.7	258.3
20°	347.3	356.0	351.8	330.5	311.3	291.0	269.2	253.6	243.1	237.4	237.9
22.5°	360.2	366.5	352.4	323.7	299.4	272.1	247.8	232.8	225.7	222.7	222.8
25°	374.1	378.1	351.4	314.6	281.3	249.0	225.7	218.8	218.2	217.4	217.7
27.5°	390.4	389.5	348.2	301.7	256.8	222.1	210.2	212.0	214.4	214.1	214.4
30°	412.3	403.8	344.2	283.8	227.6	199.6	201.1	206.2	209.3	209.6	210.5
32.5°	437.4	419.6	337.7	259.5	199.9	187.0	192.5	198.7	202.4	203.2	204.4
35°	467.3	437.6	326.3	229.1	179.9	179.4	184.5	188.8	192.8	193.1	193.1
37.5°	501.7	455.6	308.1	195.7	167.6	173.0	177.8	178.7	179.7	178.8	179.3
40°	533.2	473.0	282.3	165.2	157.5	167.3	171.3	168.3	165.0	162.8	163.2
42.5°	559.7	484.9	248.1	143.9	147.3	162.2	165.3	159.2	152.7	148.5	149.1
45°	589.4	495.8	207.8	129.4	138.6	158.6	160.7	152.7	144.5	138.1	137.2
47.5°	630.4	518.2	172.1	119.4	132.4	156.6	160.1	149.3	138.4	129.0	127.9
50°	681.0	549.9	142.2	112.8	129.6	155.6	159.9	145.5	132.6	121.5	120.7
52.5°	736.2	580.8	120.1	107.7	126.7	152.4	159.2	141.3	126.4	114.4	113.5
55°	773.0	593.0	105.3	102.9	122.1	147.5	156.2	137.2	117.1	106.2	104.8
57.5°	783.8	577.4	94.9	98.5	116.1	140.6	150.5	128.7	111.4	102.7	101.7
60°	765.2	538.0	88.4	94.9	109.5	131.7	140.6	123.7	106.9	99.1	98.4
62.5°	712.7	477.4	83.5	91.1	102.7	122.4	134.2	117.7	102.0	95.8	94.8
65°	607.0	391.5	79.4	87.2	96.3	113.5	127.3	111.7	96.6	91.9	90.7
67.5°	424.5	274.9	75.1	82.6	89.8	105.0	120.1	106.2	91.0	87.5	86.3
70°	207.5	145.8	69.8	77.2	82.9	96.3	112.9	99.4	83.6	81.7	80.0
72.5°	98.8	81.5	63.7	69.8	73.4	84.7	100.9	89.6	74.9	70.7	67.9
75°	66.2	58.0	55.6	61.1	62.0	71.0	86.5	77.3	66.1	61.3	58.9
77.5°	50.2	44.3	46.7	51.7	49.9	58.4	71.2	68.9	59.6	55.3	54.1
80°	35.3	32.3	37.1	40.1	38.7	49.7	64.1	59.0	49.1	44.3	43.4
82.5°	22.2	21.6	27.3	27.8	28.2	39.3	52.7	46.4	38.1	31.4	29.1
85°	11.1	12.3	16.4	16.4	16.2	20.3	30.0	26.1	20.6	16.4	15.9
87.5°	3.8	5.3	7.1	5.7	4.4	3.5	3.9	4.8	5.1	5.0	5.0
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)