

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: P629634

Luminaire Tested: GWS-SA1C-722-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

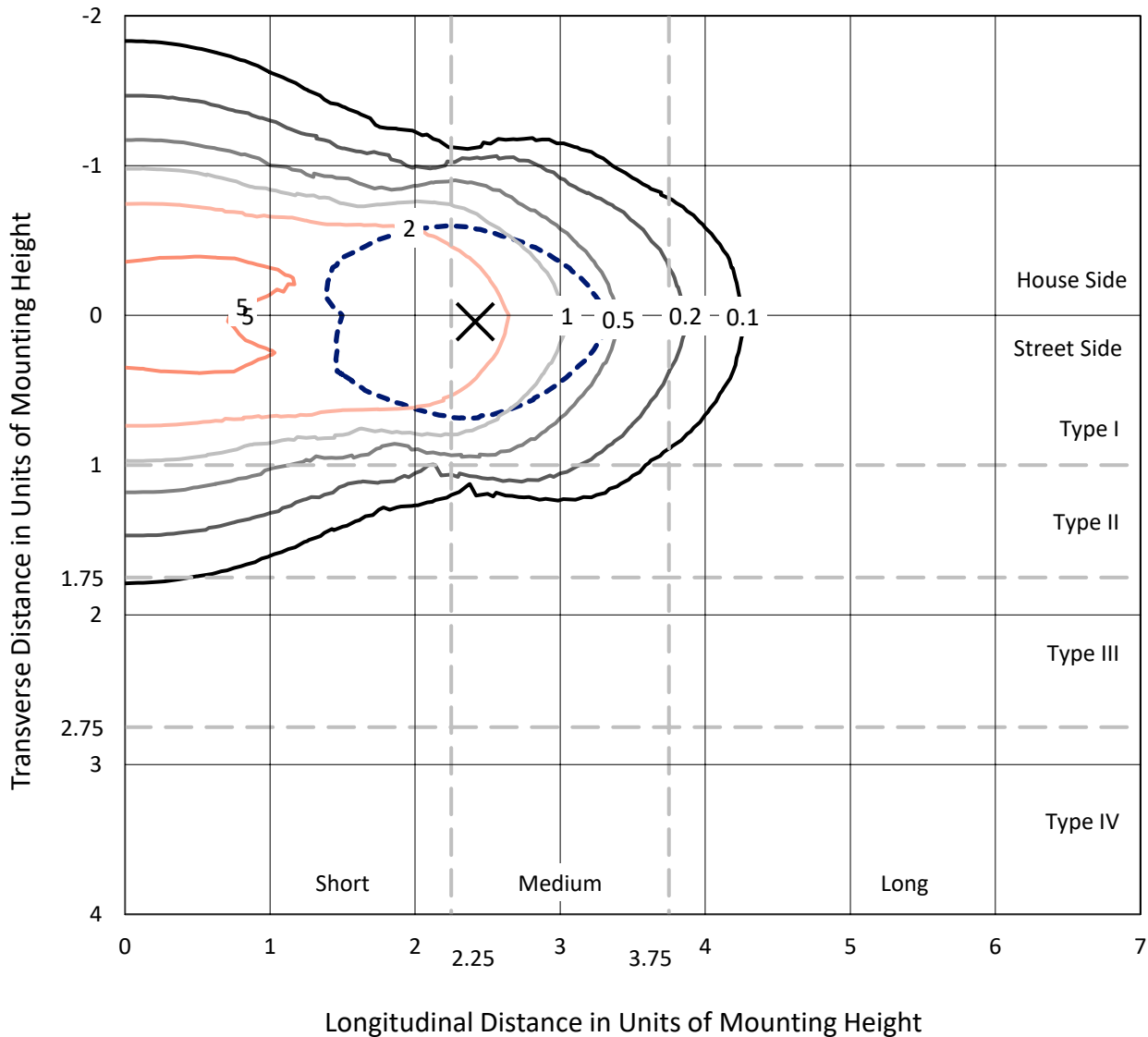
Lumens per Lamp: N/A  
Luminaire Lumens: 3534 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P629634  
 CATALOG NUMBER: GWS-SA1C-722-U-T1-W

### Iso-Footcandle Lines of Horizontal Illumination

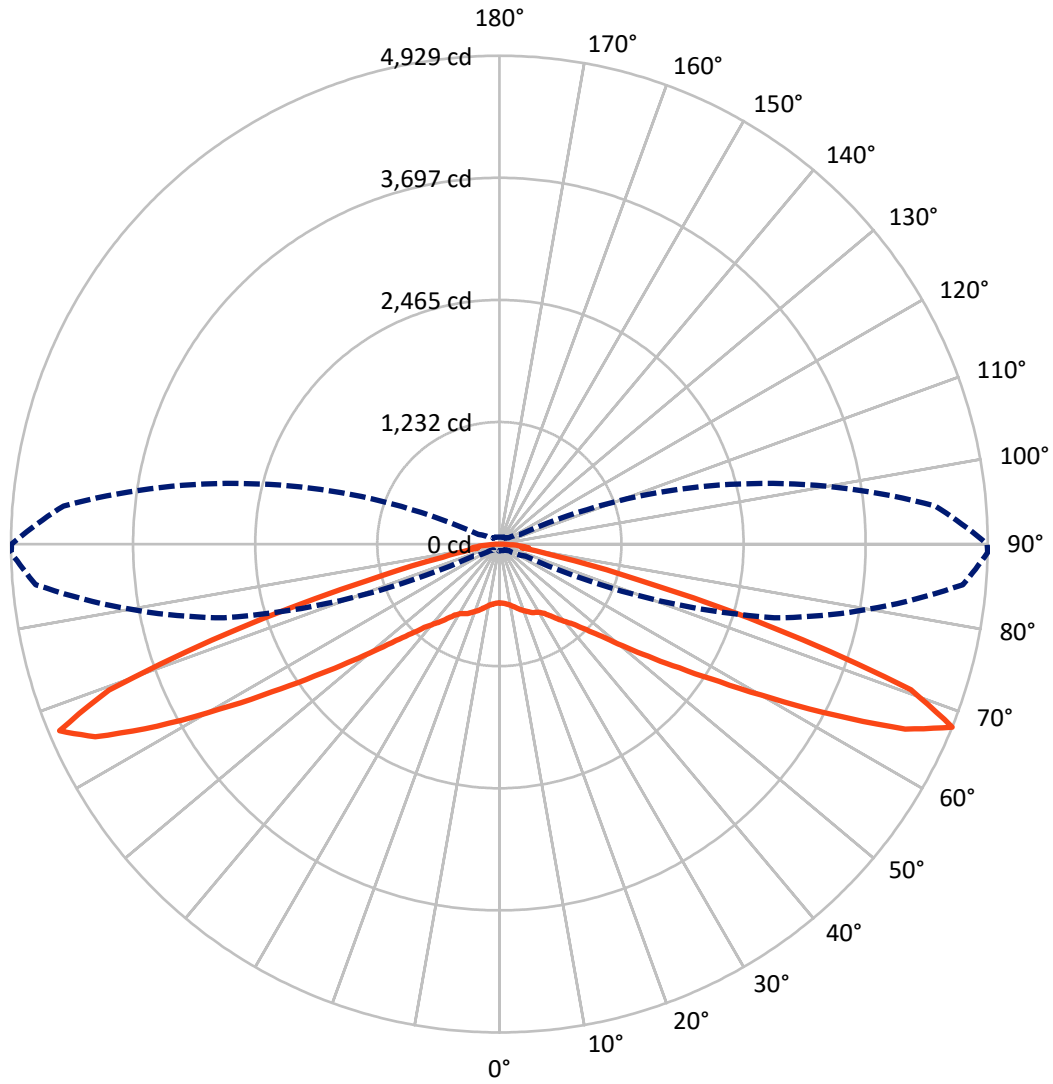
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type I - Medium - N/A

REPORT NUMBER: P629634  
CATALOG NUMBER: GWS-SA1C-722-U-T1-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629634

CATALOG NUMBER: GWS-SA1C-722-U-T1-W

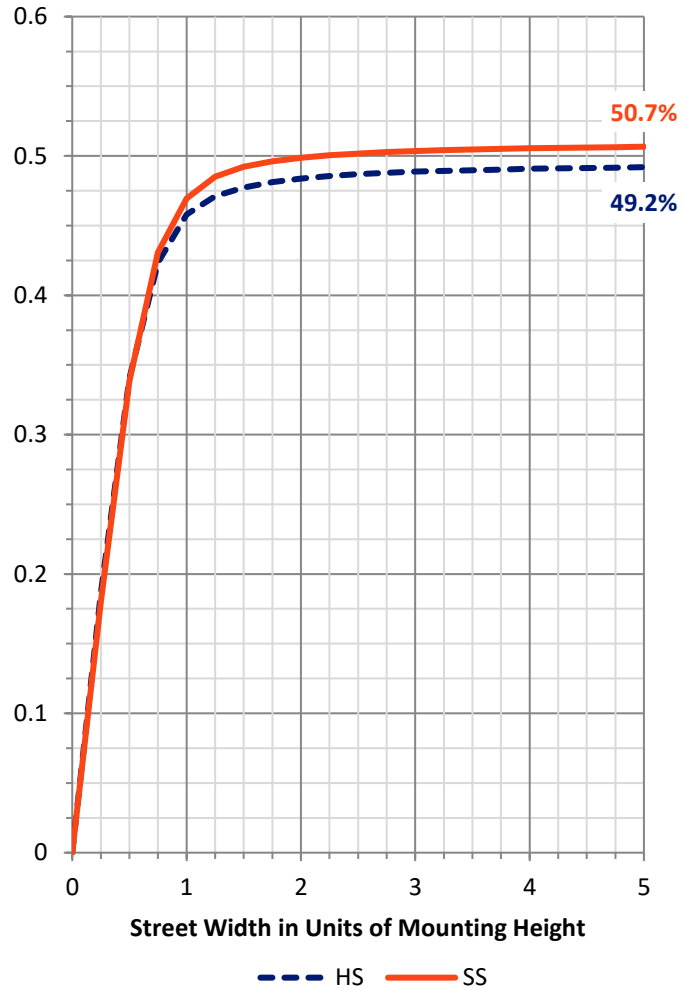
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1751.5	0.0	1751.5
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	1782.5	0.0	1782.5
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	3534.0	0.0	3534.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.5	1.7
10°-20°	193.7	5.5
20°-30°	327.5	9.3
30°-40°	449.4	12.7
40°-50°	573.1	16.2
50°-60°	719.1	20.3
60°-70°	867.3	24.5
70°-80°	313.8	8.9
80°-90°	30.5	0.9
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°	3534.0	100.0
0°-180°	3534.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629634

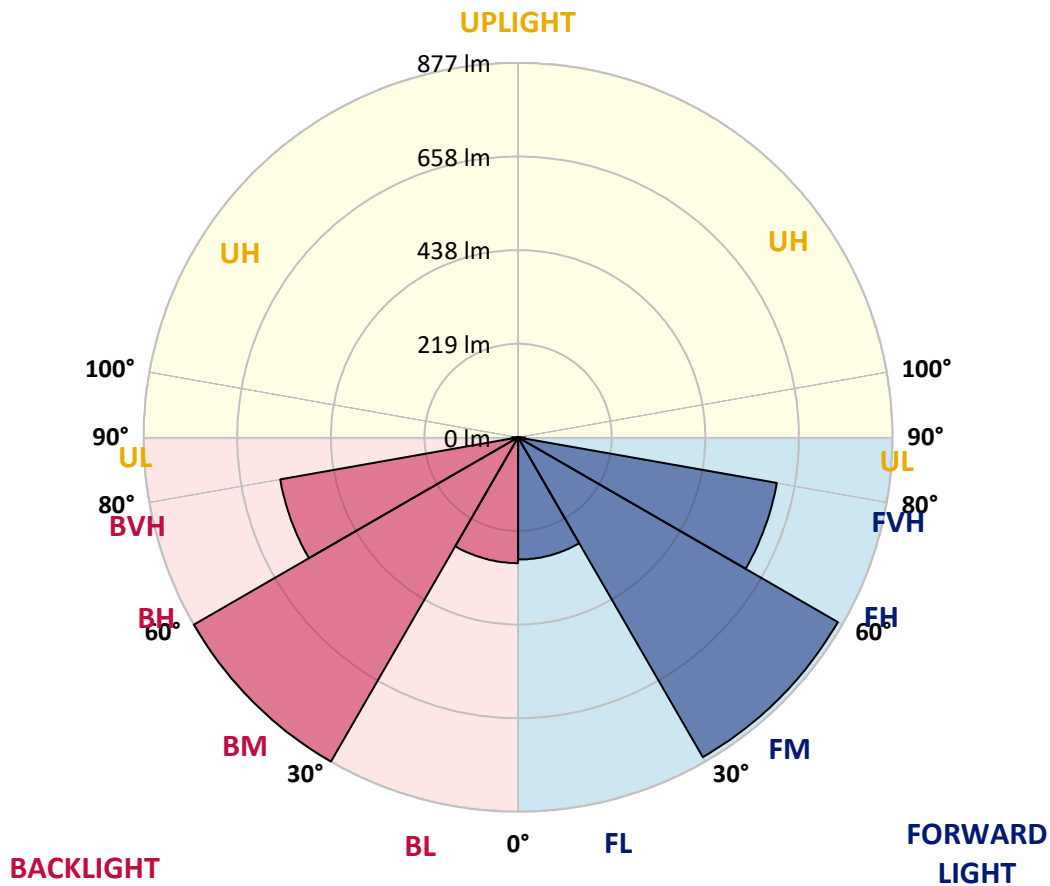
CATALOG NUMBER: GWS-SA1C-722-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.2	8.1			
FM (30°-60°)	864.8	24.5			
FH (60°-80°)	615.3	17.4			G0/660
FVH (80°-90°)	16.1	0.5			G1/100
BL (0°-30°)	294.5	8.3	B1/500		
BM (30°-60°)	876.9	24.8	B1/1000		
BH (60°-80°)	565.7	16.0	B2/1000		G2/1000
BVH (80°-90°)	14.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Medium





REPORT NUMBER: P629634  
 CATALOG NUMBER: GWS-SA1C-722-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	594.9	594.4	593.2	597.0	596.2	596.5	598.0	597.0	595.2	592.1	596.5
5°	611.7	611.4	608.6	610.9	608.4	606.6	606.4	603.8	601.8	598.5	603.1
7.5°	627.9	627.7	625.4	629.4	627.4	625.4	623.1	618.0	613.2	608.4	613.5
10°	640.4	640.1	639.6	645.4	645.9	646.7	645.7	637.1	628.7	622.8	627.9
12.5°	647.5	648.2	649.5	660.2	665.5	670.6	671.8	664.7	650.8	642.4	648.5
15°	642.6	644.2	650.5	669.8	684.5	695.9	700.8	694.9	676.9	663.0	669.8
17.5°	619.5	620.8	633.3	662.7	695.2	721.6	729.4	725.9	705.8	688.8	695.4
20°	587.6	590.4	603.8	644.9	693.4	739.3	760.4	759.1	737.3	711.2	719.0
22.5°	558.6	561.9	576.1	621.6	681.5	743.9	791.6	794.9	766.0	733.5	739.9
25°	526.1	529.2	547.5	593.9	660.9	740.4	818.3	833.3	798.5	759.1	765.0
27.5°	492.9	495.2	513.2	562.7	634.0	733.8	839.3	875.4	830.5	776.9	781.0
30°	463.7	466.8	483.3	531.5	604.6	720.6	856.6	920.3	867.3	797.0	800.3
32.5°	435.5	438.1	456.1	500.8	573.4	700.3	872.1	973.1	921.8	834.3	834.3
35°	400.0	404.6	424.9	471.3	543.9	673.4	883.3	1034.5	996.5	889.3	889.6
37.5°	367.3	369.8	391.1	438.1	512.9	642.9	884.3	1098.2	1090.9	959.4	959.9
40°	330.0	333.3	356.1	402.5	477.4	610.9	874.6	1157.6	1189.9	1031.5	1028.7
42.5°	292.1	297.0	318.8	364.2	439.1	571.8	849.0	1214.2	1315.5	1115.0	1108.1
45°	255.6	258.6	280.5	323.4	395.2	525.1	807.9	1268.5	1464.7	1241.9	1232.0
47.5°	214.5	215.7	238.3	279.4	349.7	473.1	749.0	1317.0	1628.7	1409.9	1392.9
50°	177.9	179.7	197.5	232.7	294.2	411.4	675.6	1345.4	1837.6	1639.1	1609.7
52.5°	143.9	145.7	159.9	188.1	243.1	341.1	584.8	1338.8	2049.5	1923.6	1880.7
55°	116.2	117.5	127.2	149.2	191.4	271.3	477.4	1279.7	2284.8	2295.2	2202.8
57.5°	98.2	98.7	105.3	118.8	149.5	209.1	368.5	1140.1	2531.5	2769.3	2617.5
60°	87.8	88.1	91.1	99.5	118.0	159.6	270.1	917.8	2787.1	3362.5	3154.3
62.5°	81.2	81.2	83.8	88.6	98.0	122.8	198.5	659.1	2970.6	4007.9	3801.1
65°	74.9	74.9	76.7	80.7	85.8	100.3	149.0	425.1	3060.7	4547.5	4501.6
67.5°	66.8	67.0	68.3	72.6	77.2	83.8	112.9	287.6	2873.6	4696.7	4929.2
70°	59.1	59.4	61.2	64.0	67.8	72.3	88.3	198.2	2091.6	3911.7	4407.4
72.5°	50.8	51.8	53.0	56.1	58.4	61.7	72.1	128.4	1217.0	2516.3	2913.5
75°	41.6	42.9	44.4	47.5	49.0	50.3	59.4	91.6	585.5	1275.1	1452.0
77.5°	32.2	33.5	35.3	38.1	39.1	40.6	45.4	66.2	280.5	565.2	609.4
80°	21.6	22.1	23.6	26.9	28.7	29.7	33.5	45.2	121.8	226.9	224.9
82.5°	13.2	13.5	14.0	16.0	16.8	17.8	21.8	27.7	58.1	257.9	295.7
85°	4.8	4.6	4.3	5.6	6.6	7.6	10.2	14.0	25.4	177.2	198.2
87.5°	0.0	0.0	0.0	0.3	0.5	0.5	1.0	2.0	6.1	66.2	45.4
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: P629634  
 CATALOG NUMBER: GWS-SA1C-722-U-T1-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	595.2	592.4	595.9	598.5	604.1	606.1	606.6	604.8	604.8	601.8	602.3
5°	602.0	600.3	606.1	610.4	618.5	621.6	623.6	622.3	623.1	621.1	621.6
7.5°	612.4	610.9	621.1	629.4	637.8	641.4	643.2	642.1	642.4	639.9	640.6
10°	626.9	627.4	639.6	650.5	661.7	665.2	666.0	663.0	660.4	655.8	656.1
12.5°	646.7	649.2	666.5	678.7	690.1	695.2	689.6	678.4	668.0	660.2	659.1
15°	668.3	672.8	697.7	713.2	725.6	723.1	706.6	681.5	660.9	649.2	647.0
17.5°	694.2	701.0	732.2	750.8	761.4	745.2	710.7	673.1	644.4	628.7	625.6
20°	718.5	729.4	768.8	792.9	794.2	757.6	708.9	656.1	620.1	600.8	596.7
22.5°	740.9	754.8	807.1	837.8	821.3	763.2	698.0	632.0	590.6	568.0	564.5
25°	765.2	785.0	851.8	880.5	848.5	760.9	675.1	602.0	555.1	532.0	529.4
27.5°	782.0	806.9	896.7	924.1	870.8	748.0	645.7	569.3	522.6	500.8	497.2
30°	801.3	833.0	946.2	971.6	884.5	728.9	614.2	538.8	492.4	468.8	466.2
32.5°	836.3	876.2	1007.6	1021.8	888.8	705.3	584.0	509.4	460.9	437.3	433.8
35°	892.6	939.3	1093.9	1077.9	885.5	679.4	555.3	474.9	428.7	406.6	403.0
37.5°	963.7	1021.8	1190.1	1128.4	876.4	651.0	521.3	445.9	399.8	377.4	375.4
40°	1030.0	1101.5	1298.0	1172.1	857.9	616.0	488.6	415.7	368.5	344.9	340.4
42.5°	1113.0	1208.1	1422.9	1209.9	827.4	574.1	451.8	378.4	329.4	308.1	302.5
45°	1239.1	1357.4	1568.0	1246.2	782.0	522.6	405.6	333.0	286.6	264.7	260.4
47.5°	1396.5	1543.9	1725.4	1267.8	713.0	468.3	353.3	285.0	238.6	214.0	211.9
50°	1617.5	1815.2	1894.2	1264.0	635.8	403.8	294.4	227.9	189.1	171.3	168.5
52.5°	1886.8	2155.9	2076.7	1218.3	553.8	330.5	229.4	178.9	150.0	137.3	135.0
55°	2224.6	2563.7	2268.8	1120.3	450.3	253.0	180.2	141.1	121.3	113.7	112.7
57.5°	2642.9	3091.9	2453.8	955.3	338.6	193.1	138.8	116.5	107.1	102.5	102.3
60°	3195.0	3652.6	2614.5	742.4	242.4	147.7	114.7	104.1	96.7	93.7	93.4
62.5°	3851.3	4161.7	2714.5	505.6	182.2	117.8	101.0	94.4	90.1	88.3	88.1
65°	4525.9	4483.5	2666.8	331.2	138.3	100.0	90.6	87.1	83.2	81.5	81.5
67.5°	4924.4	4415.5	2300.5	230.0	109.6	87.8	81.7	78.4	72.1	70.6	70.6
70°	4361.7	3578.0	1507.9	168.3	88.8	76.9	71.1	66.5	64.0	62.4	62.2
72.5°	2884.8	2328.2	801.8	116.8	74.1	65.5	60.2	58.4	55.3	53.8	53.6
75°	1435.8	1222.9	410.9	84.3	61.7	52.5	50.3	49.5	47.0	44.9	44.4
77.5°	598.5	544.4	191.6	61.2	47.0	42.4	40.4	40.4	37.6	35.3	34.3
80°	225.6	201.0	90.6	41.9	34.8	31.5	30.2	29.2	26.9	24.1	22.6
82.5°	301.8	197.2	44.4	26.1	22.8	20.3	18.5	17.8	16.5	15.2	14.2
85°	195.4	140.1	20.1	13.5	11.4	8.6	7.6	7.1	6.3	5.6	5.1
87.5°	39.8	47.0	6.1	2.5	1.5	0.8	0.8	0.3	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)