

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: P629139

Luminaire Tested: GWS-SA1B-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629139
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-SA1B-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: 2635.1 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B1 - U0 - G1

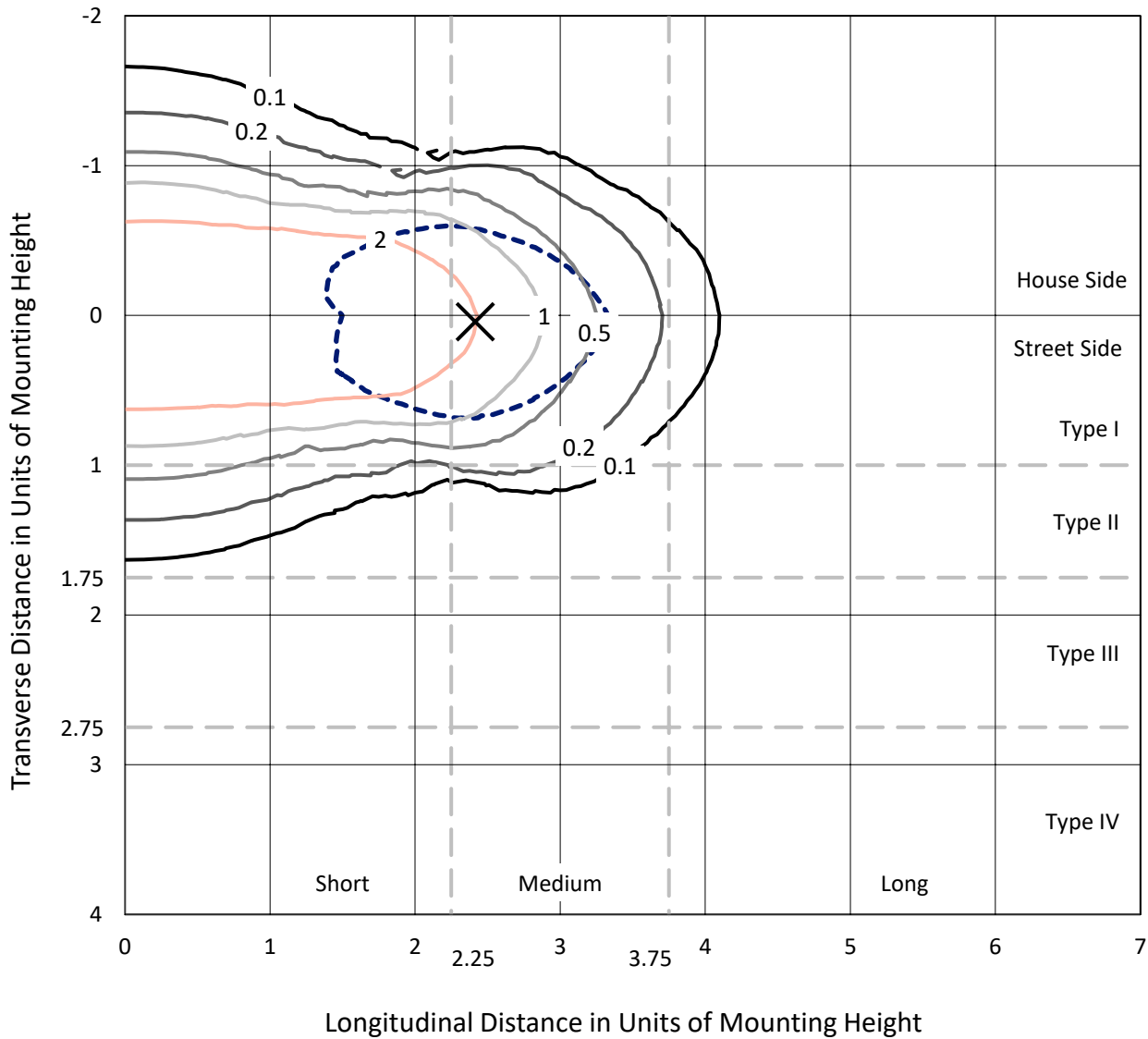
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629139
 CATALOG NUMBER: GWS-SA1B-722-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

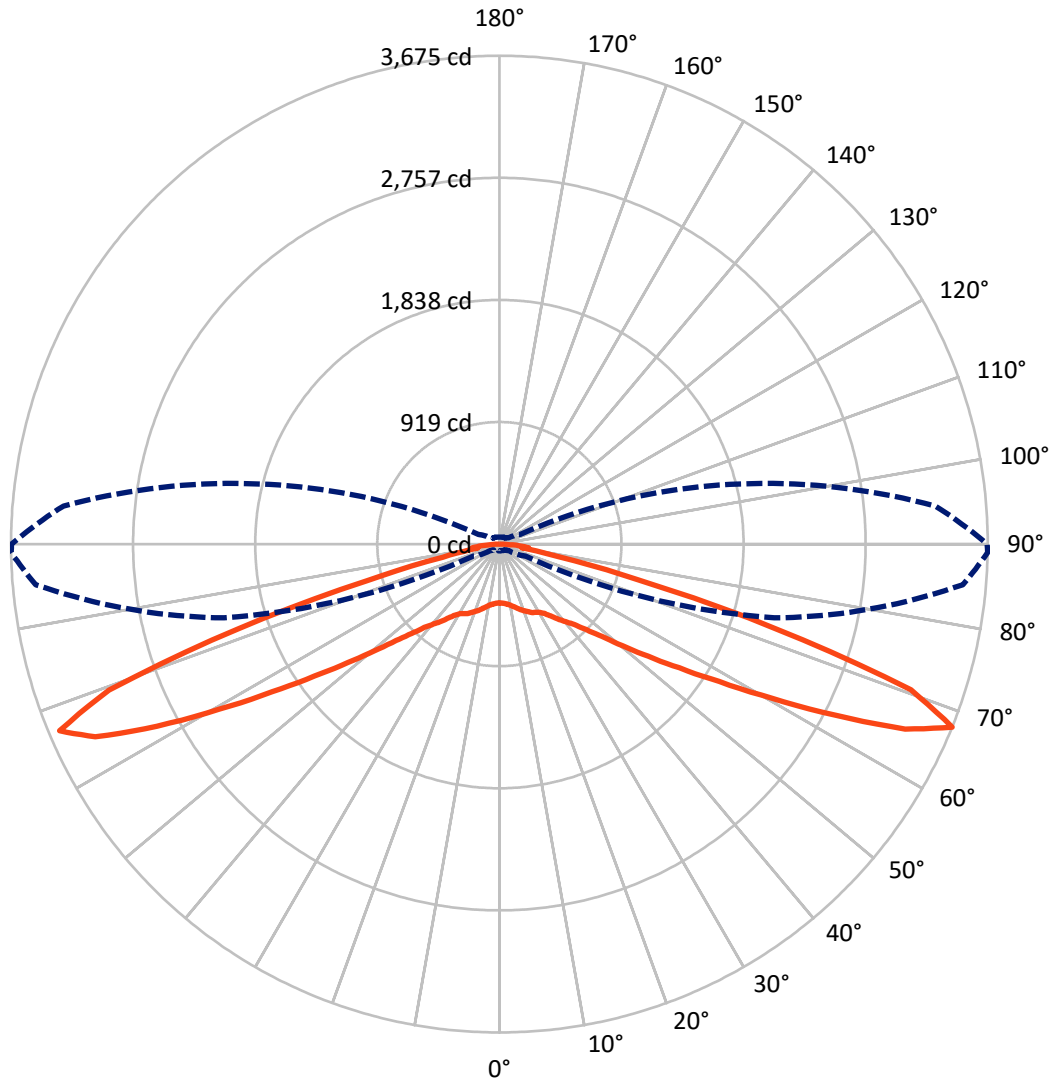
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type I - Medium - N/A

REPORT NUMBER: P629139
CATALOG NUMBER: GWS-SA1B-722-U-T1-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629139

CATALOG NUMBER: GWS-SA1B-722-U-T1-W

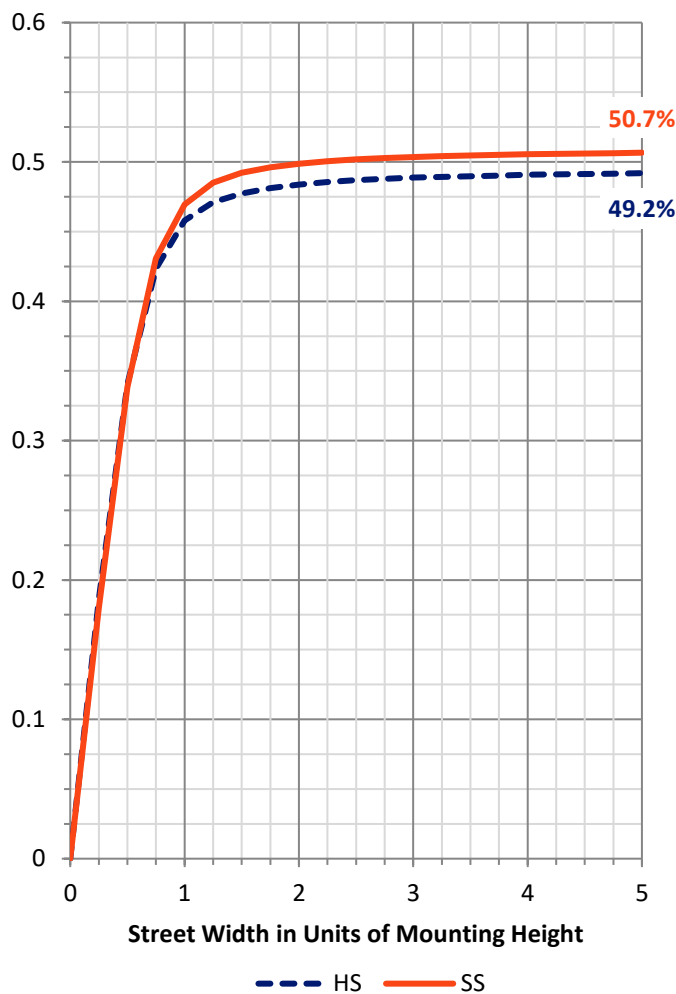
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1306.0	0.0	1306.0
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1329.1	0.0	1329.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	2635.1	0.0	2635.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.7
10°-20°	144.5	5.5
20°-30°	244.2	9.3
30°-40°	335.1	12.7
40°-50°	427.4	16.2
50°-60°	536.2	20.3
60°-70°	646.7	24.5
70°-80°	234.0	8.9
80°-90°	22.7	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°	2635.1	100.0
0°-180°	2635.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629139

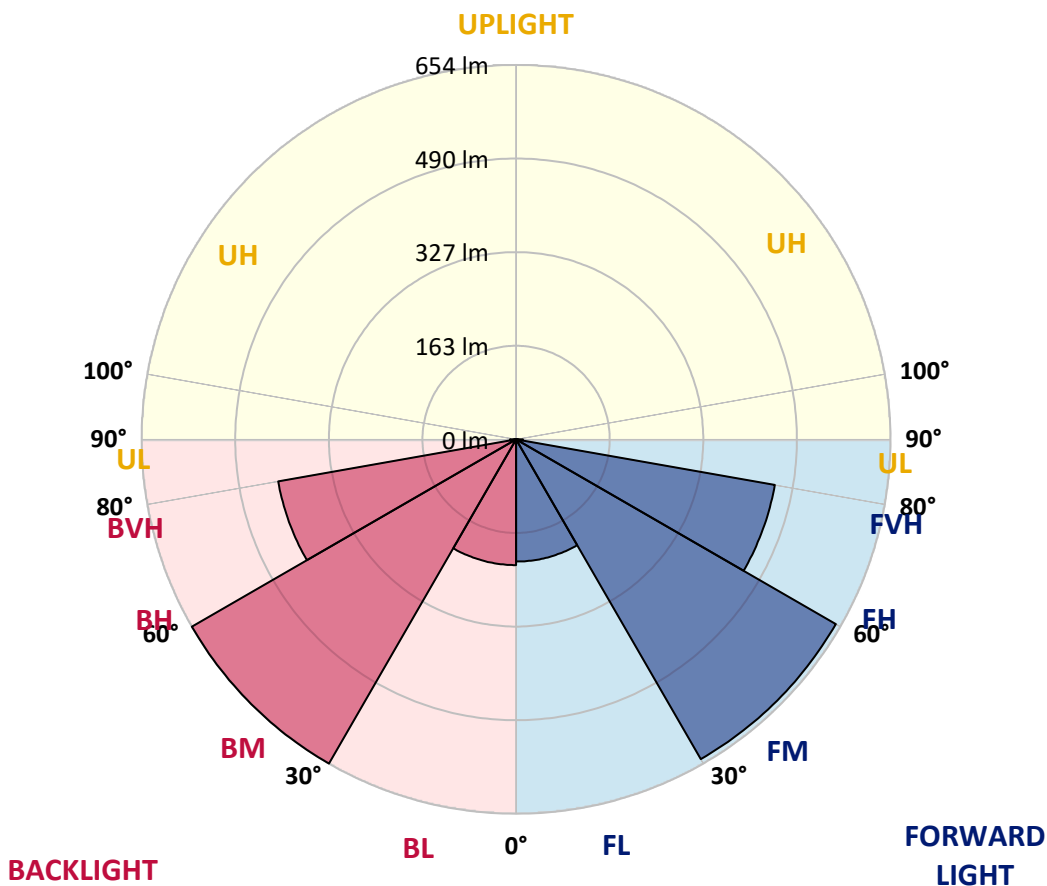
CATALOG NUMBER: GWS-SA1B-722-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.4	8.1			
FM (30°-60°)	644.9	24.5			
FH (60°-80°)	458.8	17.4			G0/660
FVH (80°-90°)	12.0	0.5			G1/100
BL (0°-30°)	219.6	8.3	B1/500		
BM (30°-60°)	653.8	24.8	B1/1000		
BH (60°-80°)	421.8	16.0	B1/500		G1/500
BVH (80°-90°)	10.7	0.4			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 I Medium





REPORT NUMBER: P629139
 CATALOG NUMBER: GWS-SA1B-722-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3
2.5°	443.6	443.2	442.3	445.1	444.6	444.7	445.9	445.1	443.8	441.5	444.7
5°	456.1	455.9	453.8	455.5	453.6	452.3	452.1	450.2	448.7	446.3	449.7
7.5°	468.2	468.0	466.3	469.3	467.8	466.3	464.6	460.8	457.2	453.6	457.4
10°	477.5	477.3	476.9	481.3	481.6	482.2	481.5	475.0	468.8	464.4	468.2
12.5°	482.8	483.3	484.3	492.2	496.2	500.0	500.9	495.6	485.2	479.0	483.5
15°	479.2	480.3	485.1	499.4	510.4	518.9	522.5	518.2	504.7	494.3	499.4
17.5°	462.0	462.9	472.2	494.1	518.4	538.0	543.9	541.3	526.3	513.6	518.5
20°	438.1	440.2	450.2	480.9	517.0	551.3	567.0	566.1	549.8	530.3	536.1
22.5°	416.5	419.0	429.6	463.5	508.1	554.7	590.3	592.7	571.2	546.9	551.7
25°	392.3	394.6	408.2	442.8	492.8	552.0	610.1	621.3	595.4	566.1	570.4
27.5°	367.5	369.2	382.7	419.6	472.7	547.1	625.9	652.7	619.2	579.3	582.3
30°	345.8	348.0	360.3	396.3	450.8	537.3	638.7	686.2	646.7	594.2	596.7
32.5°	324.8	326.6	340.1	373.4	427.5	522.1	650.3	725.6	687.4	622.1	622.1
35°	298.3	301.7	316.8	351.4	405.6	502.1	658.6	771.4	743.0	663.1	663.3
37.5°	273.8	275.7	291.6	326.6	382.5	479.4	659.4	818.9	813.4	715.4	715.7
40°	246.0	248.5	265.5	300.2	356.0	455.5	652.2	863.2	887.2	769.1	767.0
42.5°	217.8	221.4	237.7	271.6	327.4	426.4	633.0	905.4	980.9	831.4	826.3
45°	190.6	192.8	209.1	241.1	294.7	391.6	602.4	945.9	1092.2	926.0	918.6
47.5°	159.9	160.9	177.7	208.4	260.8	352.8	558.5	982.0	1214.4	1051.3	1038.6
50°	132.7	134.0	147.2	173.5	219.3	306.8	503.8	1003.2	1370.2	1222.2	1200.2
52.5°	107.3	108.6	119.2	140.2	181.3	254.4	436.0	998.3	1528.2	1434.3	1402.4
55°	86.7	87.6	94.8	111.3	142.7	202.3	356.0	954.2	1703.6	1711.4	1642.5
57.5°	73.2	73.6	78.5	88.6	111.5	155.9	274.8	850.1	1887.6	2064.9	1951.7
60°	65.5	65.7	67.9	74.2	88.0	119.0	201.4	684.3	2078.2	2507.2	2352.0
62.5°	60.6	60.6	62.5	66.0	73.1	91.6	148.0	491.5	2215.0	2988.5	2834.2
65°	55.8	55.8	57.2	60.2	64.0	74.8	111.1	317.0	2282.2	3390.8	3356.6
67.5°	49.8	50.0	50.9	54.1	57.5	62.5	84.2	214.4	2142.7	3502.1	3675.4
70°	44.1	44.3	45.6	47.7	50.5	53.9	65.9	147.8	1559.6	2916.7	3286.3
72.5°	37.9	38.6	39.6	41.8	43.5	46.0	53.7	95.8	907.5	1876.2	2172.4
75°	31.0	32.0	33.1	35.4	36.5	37.5	44.3	68.3	436.6	950.8	1082.7
77.5°	24.0	25.0	26.3	28.4	29.1	30.3	33.9	49.4	209.1	421.5	454.4
80°	16.1	16.5	17.6	20.1	21.4	22.1	25.0	33.7	90.8	169.2	167.7
82.5°	9.8	10.0	10.4	11.9	12.5	13.2	16.3	20.6	43.3	192.3	220.5
85°	3.6	3.4	3.2	4.2	4.9	5.7	7.6	10.4	18.9	132.1	147.8
87.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.8	1.5	4.5	49.4	33.9
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: P629139
 CATALOG NUMBER: GWS-SA1B-722-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3
2.5°	443.8	441.7	444.4	446.3	450.4	451.9	452.3	451.0	451.0	448.7	449.1
5°	448.9	447.6	451.9	455.1	461.2	463.5	465.0	464.0	464.6	463.1	463.5
7.5°	456.7	455.5	463.1	469.3	475.6	478.2	479.6	478.8	479.0	477.1	477.7
10°	467.5	467.8	476.9	485.1	493.4	496.0	496.6	494.3	492.4	489.0	489.2
12.5°	482.2	484.1	497.0	506.1	514.6	518.4	514.2	505.9	498.1	492.2	491.5
15°	498.3	501.7	520.3	531.8	541.1	539.2	526.9	508.1	492.8	484.1	482.4
17.5°	517.6	522.7	546.0	559.8	567.8	555.6	529.9	501.9	480.5	468.8	466.5
20°	535.8	543.9	573.2	591.2	592.2	564.9	528.6	489.2	462.3	448.0	444.9
22.5°	552.4	562.8	601.8	624.7	612.4	569.1	520.4	471.2	440.4	423.5	420.9
25°	570.6	585.4	635.1	656.5	632.7	567.4	503.4	448.9	413.9	396.7	394.8
27.5°	583.1	601.6	668.6	689.1	649.3	557.7	481.5	424.5	389.7	373.4	370.7
30°	597.5	621.1	705.5	724.5	659.5	543.5	458.0	401.8	367.1	349.5	347.7
32.5°	623.6	653.3	751.3	761.9	662.8	525.9	435.5	379.8	343.7	326.1	323.4
35°	665.6	700.4	815.7	803.8	660.3	506.6	414.1	354.1	319.6	303.2	300.5
37.5°	718.6	761.9	887.4	841.4	653.5	485.4	388.7	332.5	298.1	281.4	279.9
40°	768.0	821.4	967.8	874.0	639.7	459.3	364.3	310.0	274.8	257.2	253.8
42.5°	829.9	900.8	1060.9	902.2	617.0	428.1	336.9	282.2	245.6	229.8	225.6
45°	923.9	1012.1	1169.2	929.2	583.1	389.7	302.4	248.3	213.7	197.4	194.2
47.5°	1041.3	1151.2	1286.5	945.3	531.6	349.2	263.4	212.5	177.9	159.5	158.0
50°	1206.1	1353.5	1412.4	942.5	474.1	301.1	219.5	169.9	141.0	127.7	125.7
52.5°	1406.9	1607.5	1548.5	908.4	412.9	246.4	171.1	133.4	111.8	102.4	100.7
55°	1658.8	1911.6	1691.7	835.4	335.7	188.7	134.4	105.2	90.5	84.8	84.0
57.5°	1970.7	2305.5	1829.7	712.3	252.5	144.0	103.5	86.9	79.9	76.5	76.3
60°	2382.3	2723.5	1949.5	553.6	180.7	110.1	85.5	77.6	72.1	69.8	69.6
62.5°	2871.7	3103.2	2024.0	377.0	135.9	87.8	75.3	70.4	67.2	65.9	65.7
65°	3374.7	3343.1	1988.5	247.0	103.1	74.6	67.6	64.9	62.1	60.7	60.7
67.5°	3671.9	3292.4	1715.4	171.5	81.8	65.5	60.9	58.5	53.7	52.6	52.6
70°	3252.3	2667.9	1124.3	125.5	66.2	57.3	53.0	49.6	47.7	46.6	46.4
72.5°	2151.0	1736.0	597.8	87.1	55.3	48.8	44.9	43.5	41.3	40.1	39.9
75°	1070.6	911.8	306.4	62.8	46.0	39.2	37.5	36.9	35.0	33.5	33.1
77.5°	446.3	405.9	142.9	45.6	35.0	31.6	30.1	30.1	28.0	26.3	25.5
80°	168.2	149.9	67.6	31.2	25.9	23.5	22.5	21.8	20.1	18.0	16.8
82.5°	225.0	147.0	33.1	19.5	17.0	15.1	13.8	13.2	12.3	11.4	10.6
85°	145.7	104.5	15.0	10.0	8.5	6.4	5.7	5.3	4.7	4.2	3.8
87.5°	29.7	35.0	4.5	1.9	1.1	0.6	0.6	0.2	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)