

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: P629124

Luminaire Tested: GWS-SA1B-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2594.3 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

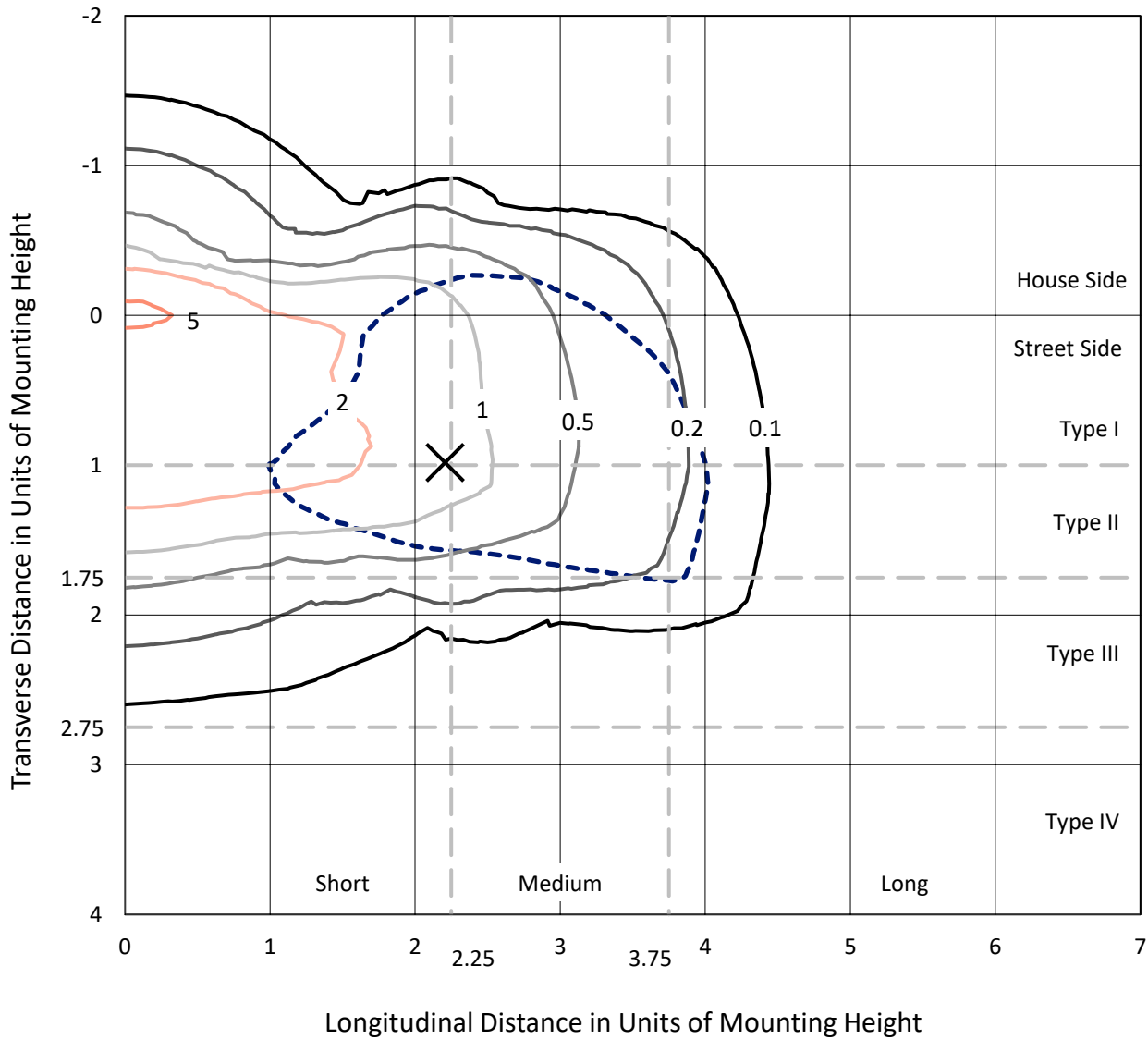
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

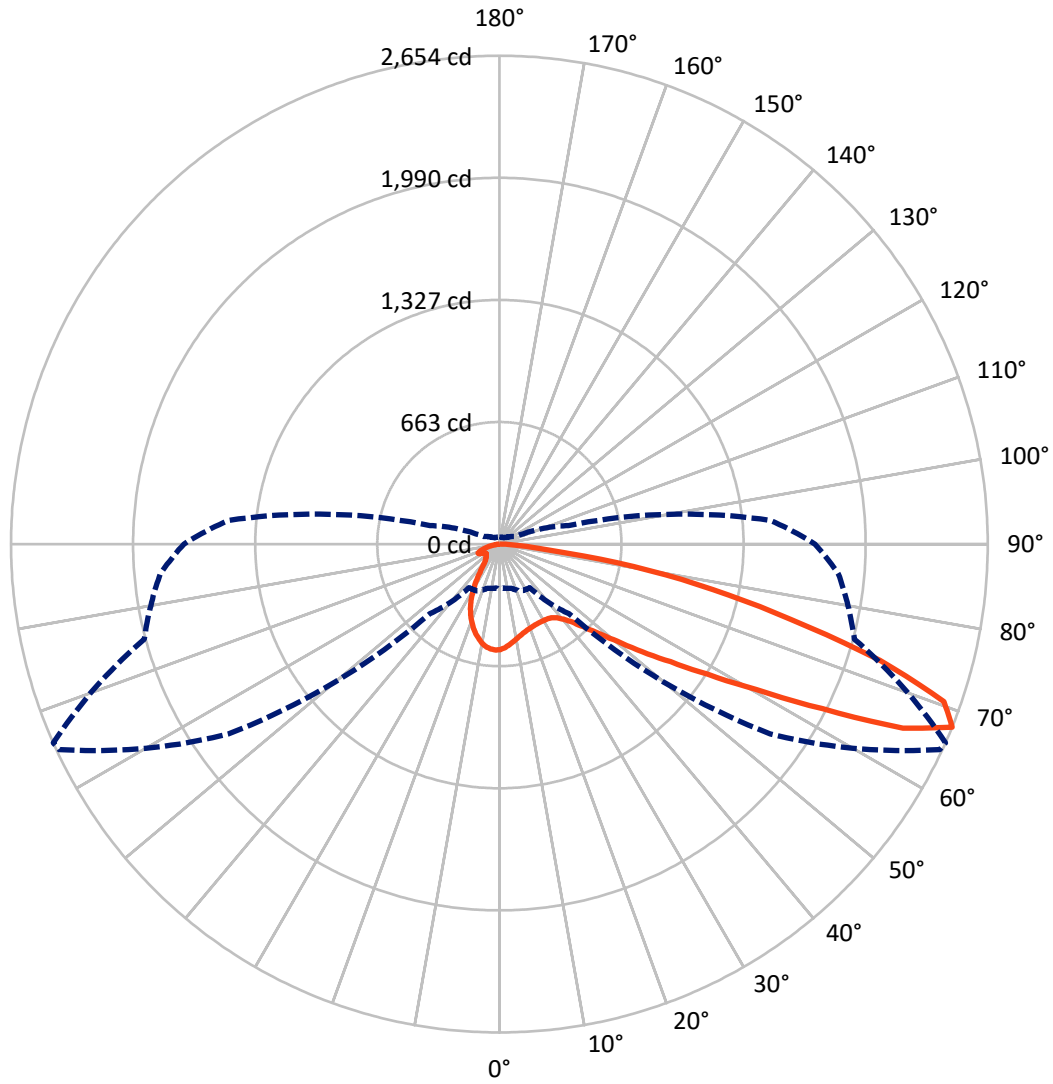
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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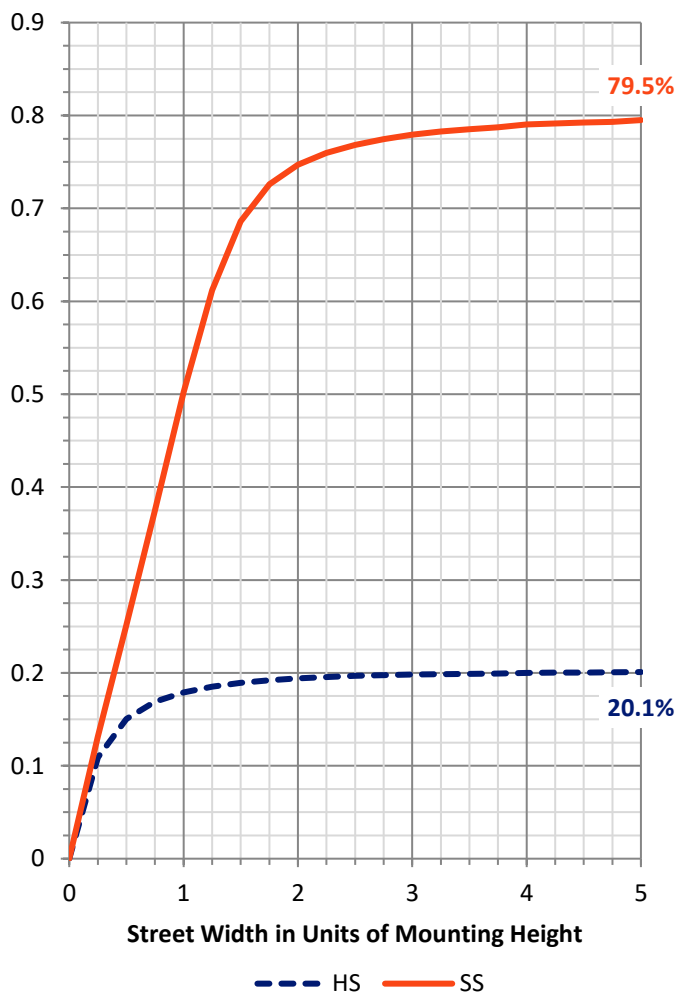
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.4	0.0	526.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2067.9	0.0	2067.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	2594.3	0.0	2594.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.9
10°-20°	123.6	4.8
20°-30°	170.0	6.6
30°-40°	232.4	9.0
40°-50°	352.1	13.6
50°-60°	547.3	21.1
60°-70°	666.4	25.7
70°-80°	405.9	15.6
80°-90°	46.4	1.8
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°	2594.3	100.0
0°-180°	2594.3	100.0

Coefficient of Utilization



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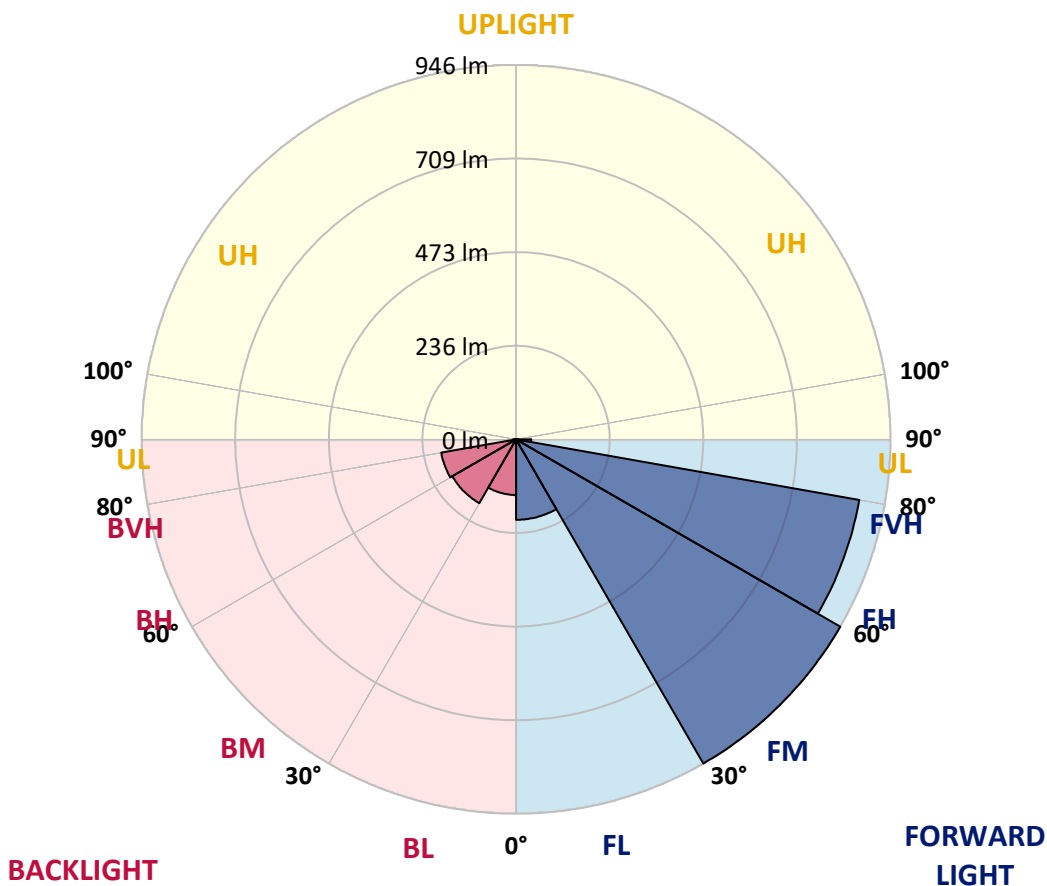
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.3	7.8			
FM (30°-60°)	945.7	36.5			
FH (60°-80°)	880.3	33.9			G1/1800
FVH (80°-90°)	38.5	1.5			G1/100
BL (0°-30°)	140.6	5.4	B1/500		
BM (30°-60°)	186.0	7.2	B0/220		
BH (60°-80°)	192.0	7.4	B1/500		G1/500
BVH (80°-90°)	7.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3
2.5°	536.9	538.8	537.7	544.9	545.3	554.3	559.5	563.8	564.2	569.9	573.6
5°	500.2	501.3	501.3	508.2	512.7	524.8	536.6	549.0	550.0	563.6	574.0
7.5°	470.5	471.6	470.9	480.0	485.8	499.3	514.2	533.3	535.2	557.2	575.3
10°	447.2	446.8	448.7	457.1	464.6	480.7	497.4	519.1	522.0	549.8	576.9
12.5°	431.3	431.7	432.8	441.5	449.7	465.6	482.8	506.5	509.5	541.3	576.1
15°	423.8	423.0	423.9	431.9	439.6	453.7	471.4	495.9	498.9	533.7	576.3
17.5°	422.0	421.5	421.3	427.0	432.8	445.9	462.9	487.7	490.9	528.8	577.4
20°	427.3	426.6	424.5	427.0	429.4	440.4	456.9	481.9	485.5	525.6	579.7
22.5°	441.9	440.6	437.4	434.4	431.1	437.8	453.1	477.5	481.1	523.5	582.0
25°	464.1	462.9	459.5	452.7	441.0	439.8	452.3	475.6	479.2	522.0	582.9
27.5°	494.5	492.8	489.4	479.6	460.5	447.6	455.2	475.4	478.8	520.3	582.0
30°	530.7	529.5	527.7	515.7	490.2	464.1	461.6	476.9	479.6	519.3	580.1
32.5°	567.4	566.3	567.8	562.1	530.7	491.3	475.6	481.1	483.0	519.1	578.4
35°	599.8	601.1	612.1	613.0	582.2	528.2	497.8	490.7	491.1	522.9	579.1
37.5°	633.6	638.8	653.1	665.4	639.7	577.1	530.7	508.9	508.5	532.6	583.9
40°	678.5	680.8	699.1	722.2	706.1	644.0	577.4	538.6	536.0	552.3	596.5
42.5°	722.2	727.7	757.0	783.5	778.2	719.6	636.3	583.1	578.4	587.1	622.7
45°	777.9	783.2	816.1	850.2	859.8	804.9	711.6	646.3	641.6	639.5	670.5
47.5°	833.5	839.0	868.5	917.7	951.6	911.7	809.7	729.8	722.0	713.9	742.8
50°	871.0	877.4	905.6	964.7	1044.1	1044.9	925.9	839.2	829.3	816.5	844.7
52.5°	869.6	873.8	900.7	968.8	1110.8	1198.0	1081.4	978.5	970.5	942.5	967.1
55°	801.3	807.6	834.6	919.8	1118.0	1343.2	1310.1	1142.7	1128.6	1078.4	1105.5
57.5°	664.1	669.4	696.7	801.7	1054.2	1417.6	1600.4	1352.1	1332.6	1226.4	1257.6
60°	501.3	494.9	507.8	599.8	901.6	1419.4	1856.6	1636.0	1603.4	1384.6	1410.7
62.5°	376.2	369.8	372.7	398.6	611.3	1304.8	2002.7	2024.3	1970.6	1563.3	1558.2
65°	297.3	293.7	301.9	319.7	356.4	993.6	2003.9	2444.3	2410.4	1770.3	1709.4
67.5°	242.3	240.0	248.3	281.2	289.0	533.9	1796.8	2640.4	2653.6	1997.1	1849.6
70°	195.1	191.7	204.8	248.1	268.7	323.1	1287.2	2540.4	2561.8	2132.2	1810.1
72.5°	134.8	134.9	141.6	201.0	259.5	279.0	728.1	2115.4	2161.7	2009.7	1591.3
75°	90.8	91.6	93.5	132.7	239.0	270.6	388.0	1601.5	1634.3	1661.1	1315.4
77.5°	54.9	55.3	59.6	80.2	164.8	252.7	262.9	1160.9	1186.7	1095.1	815.3
80°	31.8	33.1	37.1	53.7	111.3	189.8	203.5	711.8	741.0	486.8	259.1
82.5°	14.0	15.0	20.3	31.2	64.9	161.4	158.8	281.2	277.1	135.7	89.9
85°	2.5	3.0	4.4	9.8	23.8	85.2	123.2	124.2	116.8	51.5	37.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	18.5	33.3	33.1	14.6	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3
2.5°	576.1	571.0	575.5	576.1	575.2	574.4	568.7	563.8	563.2	557.9	557.9
5°	578.2	573.5	575.7	571.4	564.6	557.6	545.4	537.1	533.3	526.5	526.5
7.5°	581.0	576.1	573.5	562.7	546.8	531.4	511.9	495.7	489.0	479.4	479.0
10°	583.7	577.4	568.3	547.3	522.0	497.6	469.2	446.1	430.4	418.8	418.8
12.5°	583.5	575.3	557.4	526.3	491.3	455.9	418.1	383.3	362.4	344.5	343.3
15°	583.1	571.9	543.4	501.9	455.5	406.5	355.1	309.6	278.8	261.2	259.7
17.5°	582.7	567.6	527.7	474.1	412.0	345.2	277.3	228.1	202.3	191.5	191.9
20°	582.7	562.7	510.8	442.1	361.9	271.8	203.5	167.7	161.2	161.8	162.4
22.5°	581.0	556.6	492.1	407.3	306.0	199.9	150.1	138.0	141.4	146.7	147.4
25°	577.1	546.6	470.3	368.7	239.6	145.5	122.5	120.2	126.4	133.0	134.9
27.5°	570.8	535.0	445.9	323.4	176.4	117.0	107.7	107.5	112.4	117.3	119.0
30°	564.2	522.2	420.2	273.1	127.8	101.8	98.2	98.2	100.7	103.7	103.3
32.5°	556.4	509.1	392.5	220.7	104.1	93.3	92.2	91.6	92.0	93.1	93.1
35°	549.8	497.6	364.1	165.2	93.3	88.6	87.4	86.1	85.5	84.8	85.2
37.5°	547.3	488.5	334.8	124.5	88.0	85.2	83.3	81.4	80.1	79.7	79.5
40°	551.3	484.7	305.5	102.6	84.2	81.6	79.5	77.0	75.9	75.9	75.9
42.5°	566.8	487.5	275.6	92.7	81.6	78.5	75.5	73.2	72.9	73.2	73.4
45°	595.2	498.5	244.5	87.8	79.3	75.5	71.9	70.2	70.2	70.6	70.6
47.5°	645.9	527.3	213.9	84.8	77.0	73.1	69.3	67.6	67.4	67.8	67.8
50°	733.8	579.1	186.2	82.7	75.3	71.2	67.4	65.1	64.5	64.3	64.3
52.5°	844.5	669.0	168.6	81.2	73.2	69.1	65.3	62.3	61.1	60.6	60.6
55°	978.3	788.8	168.6	80.1	70.6	66.6	62.3	59.2	57.5	56.8	56.8
57.5°	1129.9	928.3	197.8	79.1	68.5	63.8	59.0	56.0	54.1	53.0	53.0
60°	1284.1	1075.8	269.9	77.8	66.6	60.2	55.5	52.6	50.2	48.8	48.6
62.5°	1444.0	1238.1	364.9	78.5	65.3	56.8	51.7	48.5	46.4	45.0	44.9
65°	1590.5	1392.8	448.0	84.4	65.5	53.7	47.3	44.5	42.8	41.1	40.9
67.5°	1714.9	1478.1	389.7	96.3	69.5	50.2	43.0	40.1	38.6	37.5	37.3
70°	1627.8	1347.9	221.1	103.7	74.9	46.4	38.0	36.1	34.6	33.9	33.7
72.5°	1392.0	1141.2	147.8	91.6	68.3	41.4	33.5	32.0	30.8	29.9	29.7
75°	1127.6	905.0	113.0	75.1	53.2	33.7	28.8	27.6	26.5	25.6	25.4
77.5°	667.1	522.9	83.3	59.4	37.5	26.3	23.8	22.9	21.8	21.0	20.8
80°	212.9	181.7	52.8	40.9	24.8	20.3	18.4	17.6	16.5	15.5	15.3
82.5°	81.2	70.2	28.0	20.8	16.5	13.8	12.3	11.5	10.8	9.8	9.7
85°	36.0	33.7	15.5	11.2	8.9	6.8	6.1	5.7	4.7	4.0	3.8
87.5°	12.7	12.7	6.6	3.2	1.9	0.9	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)