

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: P629073

Luminaire Tested: GWS-SA1A-830-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2213.5 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

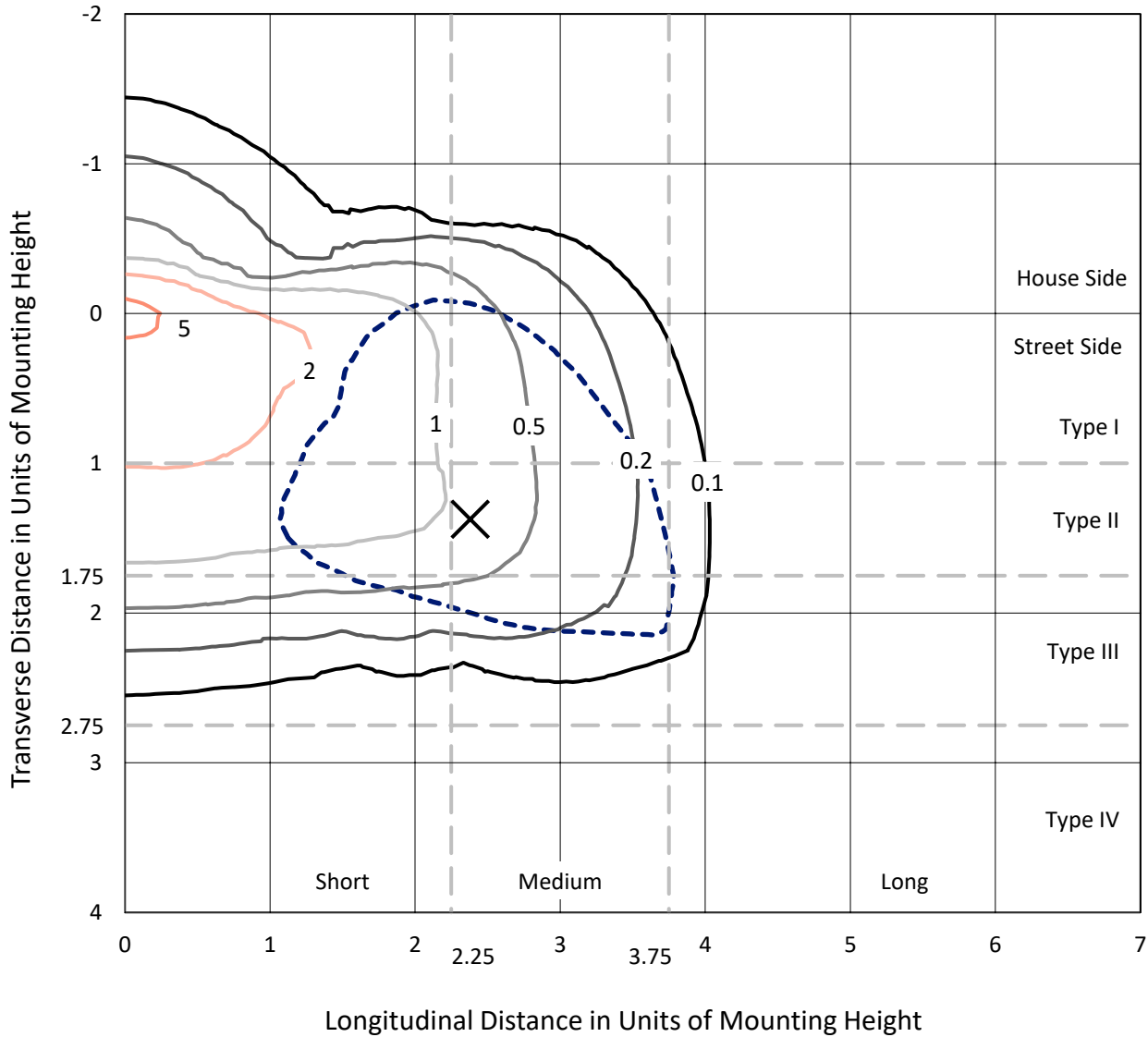
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

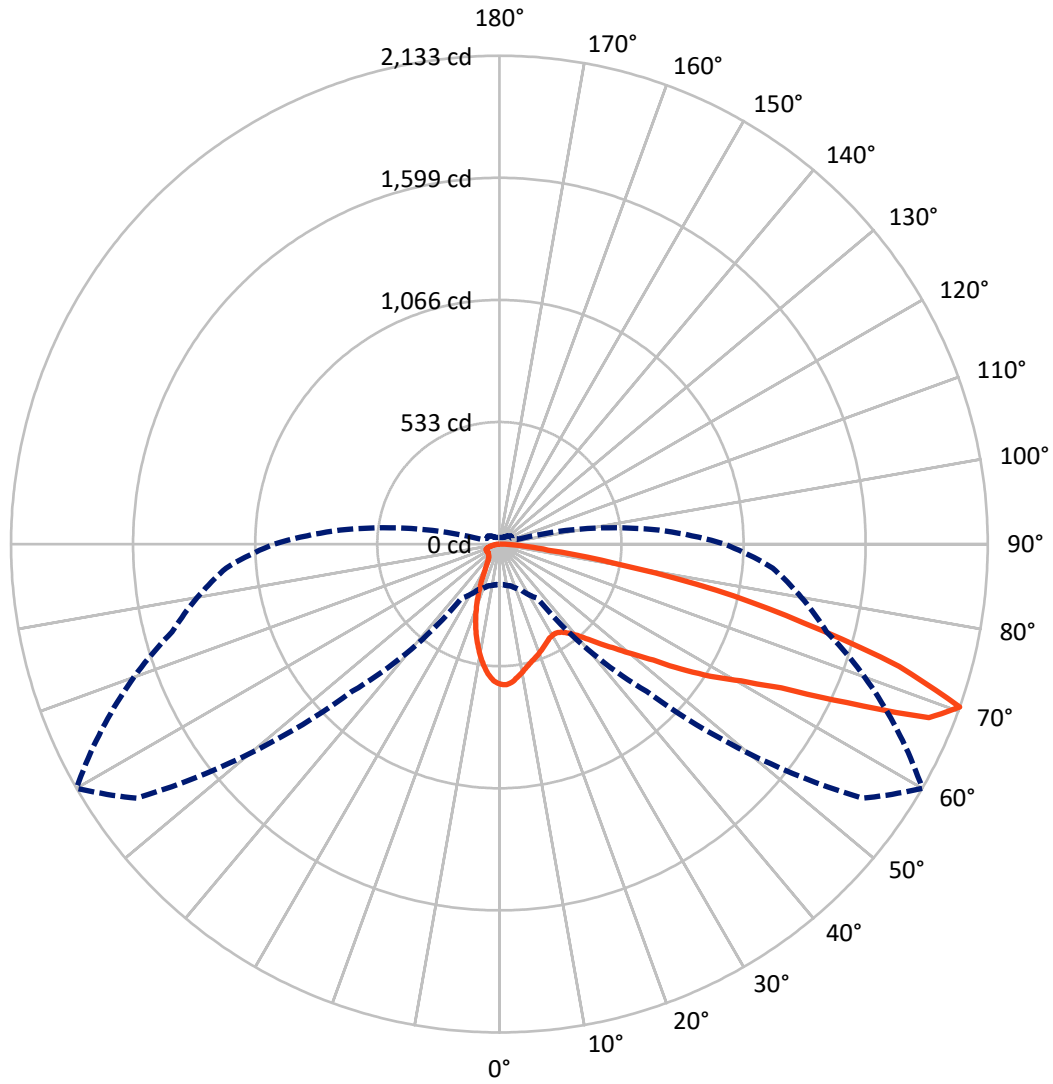
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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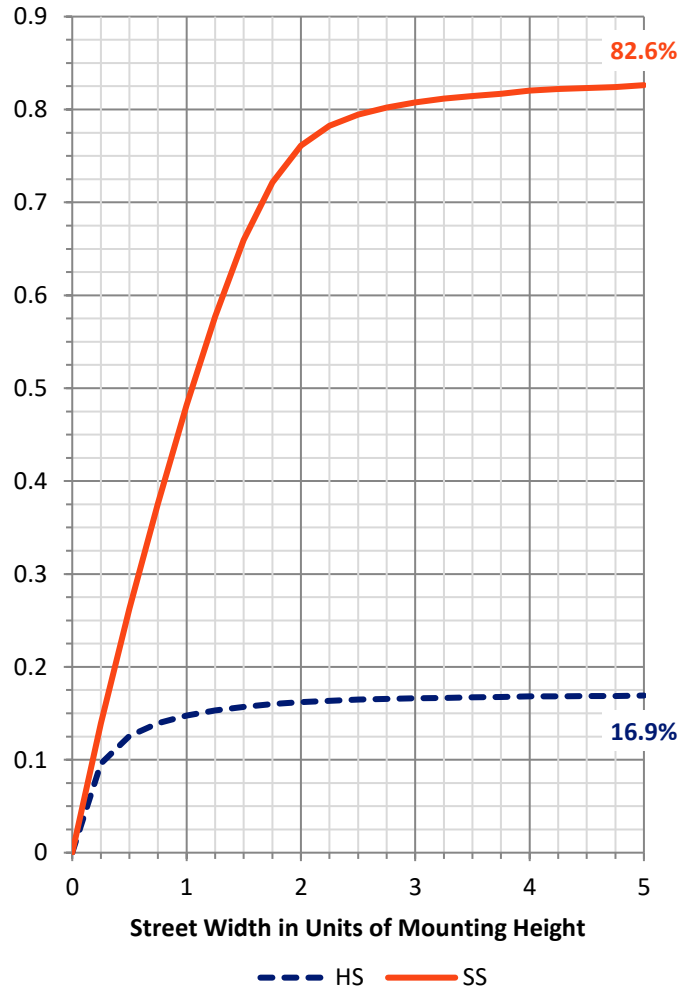
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.6	0.0	378.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	1834.9	0.0	1834.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	2213.5	0.0	2213.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	2.4
10°-20°	118.3	5.3
20°-30°	151.5	6.8
30°-40°	199.1	9.0
40°-50°	288.8	13.0
50°-60°	450.6	20.4
60°-70°	590.0	26.7
70°-80°	326.2	14.7
80°-90°	36.2	1.6
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°	2213.5	100.0
0°-180°	2213.5	100.0

Coefficient of Utilization



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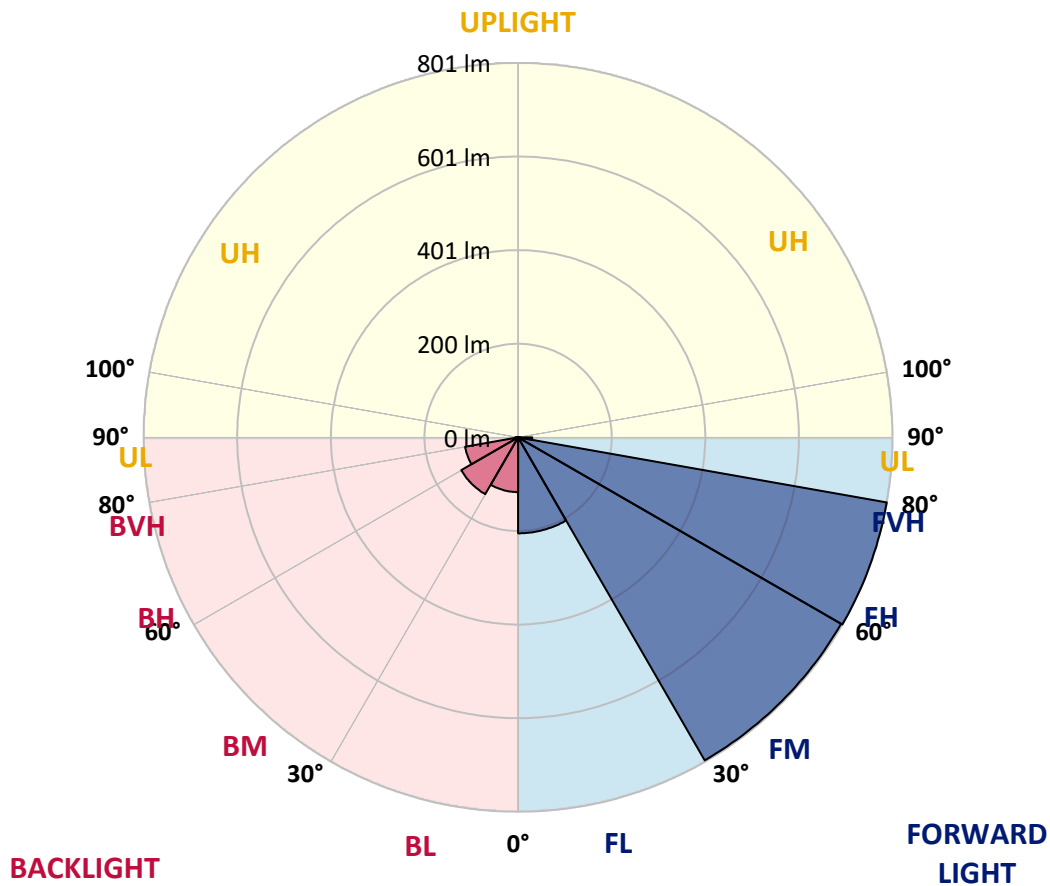
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.4	9.3			
FM (30°-60°)	798.2	36.1			
FH (60°-80°)	801.2	36.2			G1/1800
FVH (80°-90°)	30.2	1.4			G1/100
BL (0°-30°)	117.1	5.3	B1/500		
BM (30°-60°)	140.4	6.3	B0/220		
BH (60°-80°)	115.0	5.2	B1/500		G1/500
BVH (80°-90°)	6.0	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5
2.5°	603.9	604.6	606.3	608.9	611.5	612.8	616.1	615.1	614.4	613.2	611.5
5°	577.2	578.5	580.1	585.1	590.8	595.3	602.6	603.4	603.8	604.4	601.8
7.5°	543.2	543.5	547.4	554.0	561.5	569.3	581.4	584.8	587.7	591.0	588.9
10°	505.6	506.4	509.3	518.9	531.7	543.2	559.5	565.2	571.4	578.5	575.6
12.5°	474.8	475.0	479.7	489.9	503.8	519.4	539.8	546.6	554.7	565.9	563.3
15°	450.4	450.4	454.8	463.5	479.5	497.8	522.1	530.9	541.9	557.0	552.4
17.5°	431.0	431.1	433.9	443.1	457.4	477.6	506.4	518.2	530.4	550.3	543.5
20°	420.8	419.9	420.4	426.1	438.2	457.8	490.7	504.5	520.8	545.8	535.4
22.5°	420.3	418.8	416.7	417.2	424.3	440.5	473.9	490.6	511.1	542.1	527.2
25°	428.5	426.9	423.2	419.0	418.3	428.0	458.0	476.9	501.1	540.4	519.2
27.5°	442.5	441.3	436.5	430.1	423.5	423.2	446.0	465.8	493.8	542.1	513.6
30°	460.9	459.0	455.9	447.8	437.8	427.4	441.3	459.8	488.9	547.2	511.1
32.5°	481.8	480.7	477.8	469.7	459.0	442.5	445.0	461.1	488.9	556.3	511.6
35°	504.0	503.8	503.8	498.5	486.7	466.1	459.8	472.1	496.4	570.9	516.8
37.5°	525.5	525.4	530.6	532.5	519.1	496.9	484.9	494.1	512.7	592.4	529.6
40°	543.0	543.7	555.0	564.7	557.3	536.7	519.9	524.6	539.3	623.0	551.9
42.5°	560.7	562.5	579.5	596.6	599.5	581.7	564.7	567.5	577.4	663.5	585.3
45°	580.0	580.8	604.6	628.5	642.6	632.1	618.2	621.9	624.2	713.6	635.0
47.5°	598.6	600.7	631.5	664.3	691.1	690.1	682.3	681.2	681.7	774.5	693.8
50°	624.0	627.1	663.2	702.9	742.1	760.0	762.3	753.7	750.2	842.2	767.0
52.5°	672.3	672.3	704.7	743.7	796.3	840.9	856.1	842.0	830.7	913.7	844.7
55°	732.7	735.3	761.0	792.6	859.3	925.9	977.4	961.8	929.8	991.6	926.2
57.5°	759.6	762.8	803.6	852.7	941.8	1022.6	1094.0	1088.5	1041.7	1072.6	1010.7
60°	711.0	717.8	774.0	856.2	1016.4	1178.5	1228.9	1212.9	1146.0	1157.6	1102.4
62.5°	593.1	600.5	662.9	777.7	1006.0	1347.1	1441.5	1382.4	1276.2	1265.0	1224.5
65°	353.9	353.5	428.5	580.8	878.3	1393.9	1778.1	1667.8	1477.3	1412.4	1350.2
67.5°	225.0	224.5	240.2	307.7	584.5	1279.3	1994.4	2023.1	1750.5	1520.7	1360.6
70°	177.5	177.3	188.7	219.4	289.1	910.3	1934.2	2132.6	1915.6	1479.4	1198.0
72.5°	129.4	129.7	147.2	183.8	223.0	457.0	1566.2	1824.7	1761.9	1306.0	972.5
75°	93.0	93.4	104.0	140.7	205.7	249.9	1041.5	1372.1	1340.5	1046.9	669.0
77.5°	59.1	59.8	69.0	98.6	166.2	201.8	631.5	968.6	891.9	589.8	237.9
80°	36.1	38.2	46.0	73.5	132.8	151.4	315.6	510.3	446.7	161.8	80.0
82.5°	18.6	20.2	27.7	45.5	91.5	133.0	178.6	214.4	138.3	67.7	42.6
85°	5.8	6.8	9.7	18.5	43.6	82.4	118.2	106.6	63.5	31.9	19.8
87.5°	1.5	1.5	1.6	1.6	1.8	3.7	22.8	24.1	16.8	10.0	8.1
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°	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5	612.5
2.5°	608.3	604.4	602.8	602.6	598.6	592.7	588.9	586.1	584.5	584.2	584.2
5°	597.4	592.4	585.8	580.8	569.9	558.9	549.7	544.5	538.5	537.7	537.5
7.5°	583.0	575.7	563.1	549.0	530.1	511.8	496.2	485.7	475.2	473.2	472.6
10°	567.5	557.6	536.1	511.3	482.9	455.6	431.8	413.1	400.8	392.1	390.5
12.5°	552.1	539.0	507.4	470.5	431.6	394.2	358.4	328.0	305.9	293.1	290.9
15°	537.7	519.4	476.1	429.0	378.5	327.3	276.6	237.1	206.2	195.2	192.6
17.5°	524.6	501.7	445.9	386.1	323.1	256.2	198.6	163.4	145.3	139.8	138.5
20°	511.4	483.6	415.1	340.9	264.3	189.3	145.1	128.6	121.8	119.7	119.0
22.5°	497.4	463.7	381.6	296.4	204.9	141.7	118.7	111.4	109.3	109.5	109.3
25°	483.3	443.4	346.4	247.9	152.6	115.0	103.6	100.9	101.4	102.8	103.2
27.5°	471.6	425.4	311.9	194.8	119.2	99.0	93.6	93.4	95.2	97.2	97.5
30°	463.2	409.4	277.9	149.8	98.1	87.9	85.8	86.8	88.9	90.4	90.9
32.5°	457.2	395.6	241.6	117.7	86.0	80.2	79.2	80.2	81.5	82.9	83.2
35°	455.1	385.6	206.0	96.0	77.7	74.5	73.9	74.3	75.0	75.8	76.1
37.5°	459.8	380.6	168.8	83.6	72.7	70.8	69.8	69.5	69.6	70.0	70.1
40°	473.7	382.9	138.3	76.3	69.5	67.7	66.1	65.4	65.3	65.6	65.4
42.5°	497.7	392.4	116.3	72.1	66.9	64.3	62.5	61.9	61.9	62.7	62.7
45°	532.8	411.2	100.4	69.0	64.6	61.4	59.4	59.1	59.8	61.1	61.2
47.5°	584.3	438.7	90.9	66.7	62.5	58.8	56.8	56.7	58.0	60.1	60.2
50°	645.4	478.4	85.7	65.1	61.1	56.7	54.7	54.9	56.4	58.6	59.1
52.5°	718.9	532.5	86.0	64.5	60.2	55.4	53.4	53.1	54.6	56.8	57.3
55°	794.9	598.3	92.3	64.6	59.1	54.7	52.1	51.0	52.3	53.9	54.1
57.5°	878.4	672.4	108.0	64.3	57.7	54.1	51.0	48.4	49.2	50.2	50.7
60°	972.7	759.7	141.9	64.9	57.0	52.6	48.7	45.3	45.2	45.8	46.0
62.5°	1098.7	878.4	179.9	66.1	58.5	50.9	45.3	41.8	41.1	41.5	41.6
65°	1195.0	935.1	167.9	65.1	61.5	49.6	42.1	38.4	37.1	36.8	36.8
67.5°	1155.9	860.1	116.9	62.5	63.0	49.7	39.5	34.8	33.2	32.4	32.2
70°	983.5	698.7	81.3	59.9	61.4	49.4	36.8	31.9	29.8	28.7	28.5
72.5°	777.0	533.5	65.8	54.7	55.7	44.5	32.7	28.7	26.9	25.4	25.4
75°	500.1	325.5	54.9	48.7	45.5	34.7	28.3	25.6	23.8	22.3	22.3
77.5°	168.3	120.8	42.6	41.3	34.0	26.1	23.8	22.0	20.6	19.3	19.1
80°	68.3	57.3	31.3	31.3	23.8	19.9	18.6	17.8	16.8	15.2	15.2
82.5°	39.7	34.8	21.9	18.9	15.9	13.8	13.0	12.1	12.1	11.0	11.0
85°	19.1	19.3	13.1	11.7	9.1	7.9	7.6	7.1	7.0	6.3	6.2
87.5°	10.4	10.5	6.6	5.2	3.6	3.1	2.6	2.4	2.3	2.1	2.1
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)