

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: P628656

Luminaire Tested: GWS-SA1A-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2096.1 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

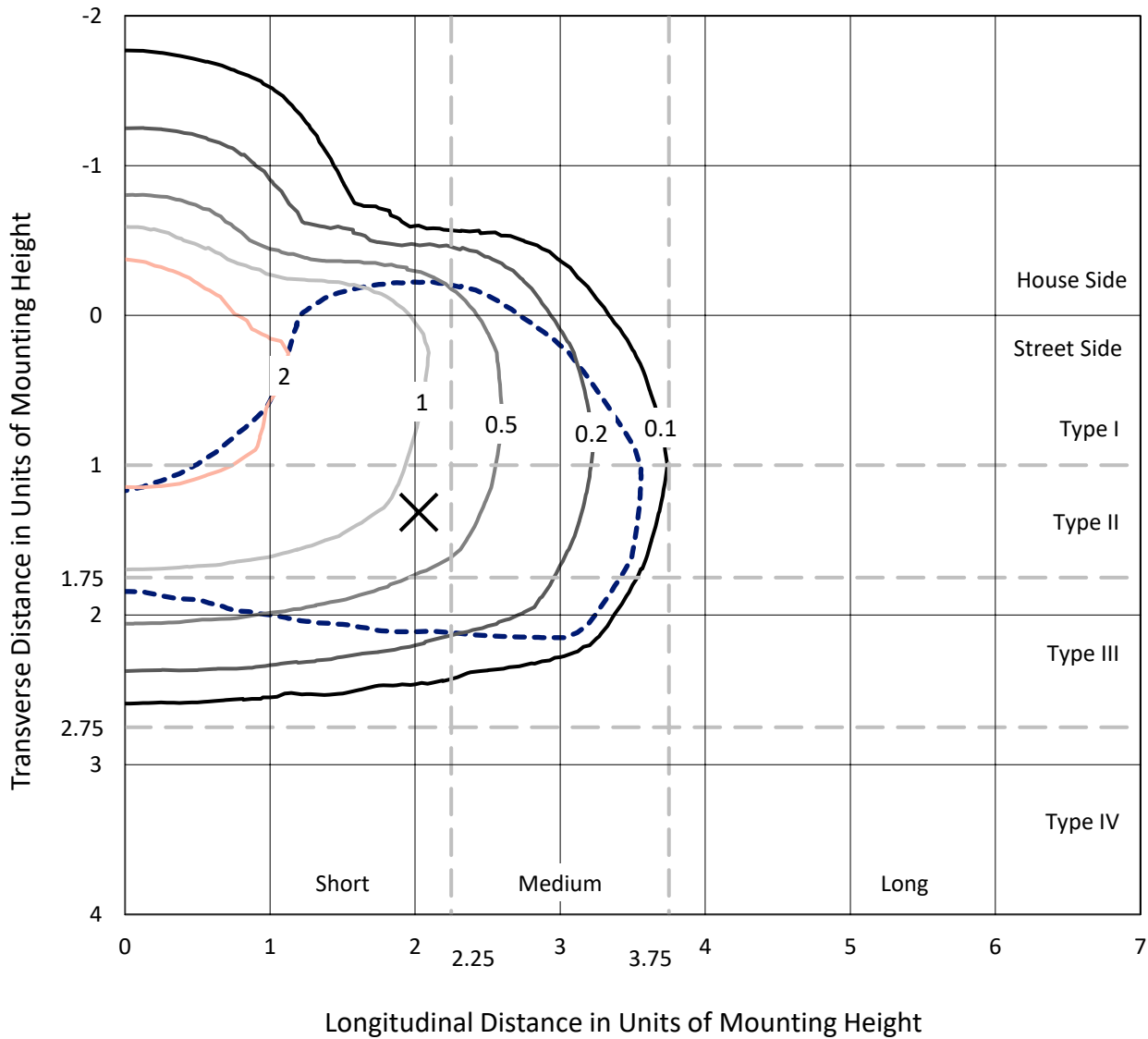
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

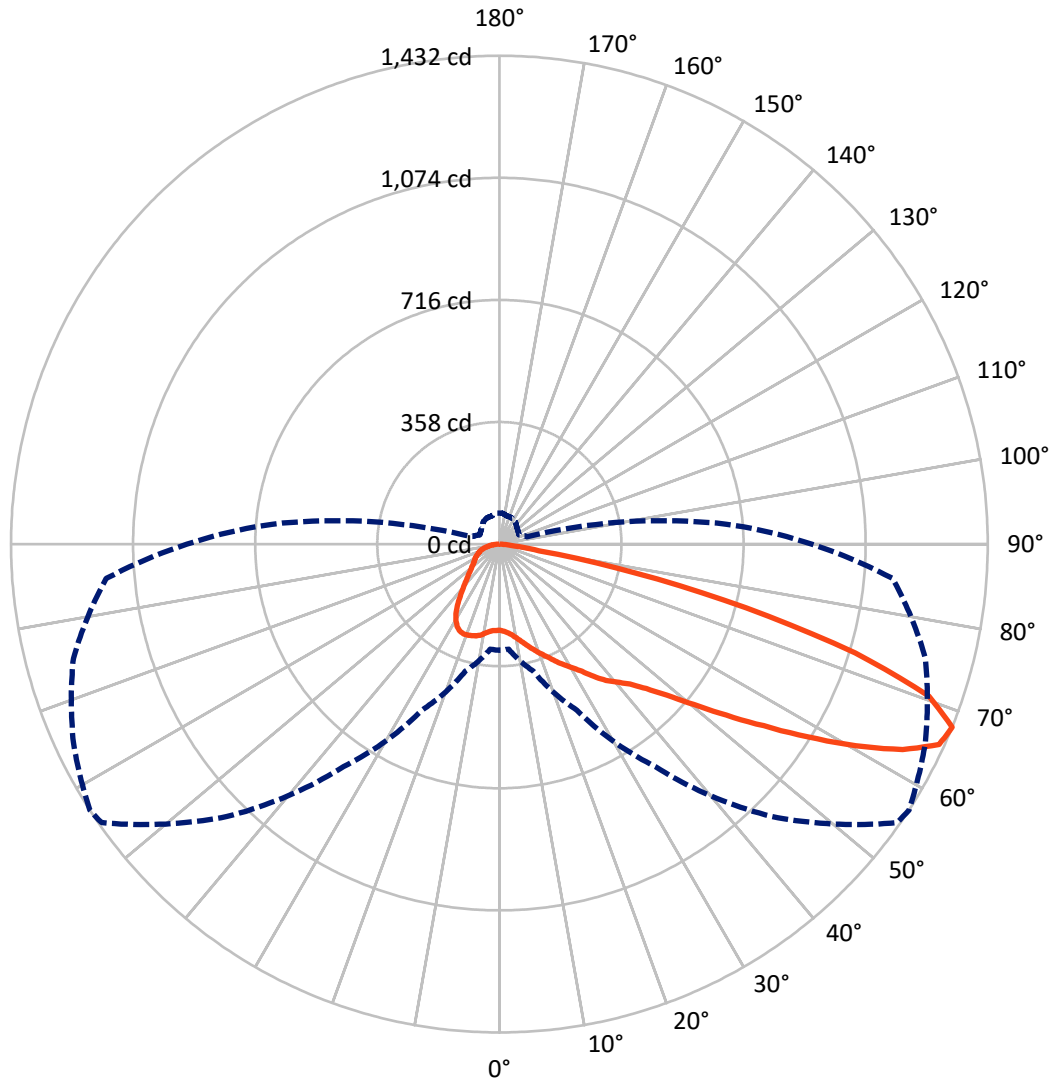
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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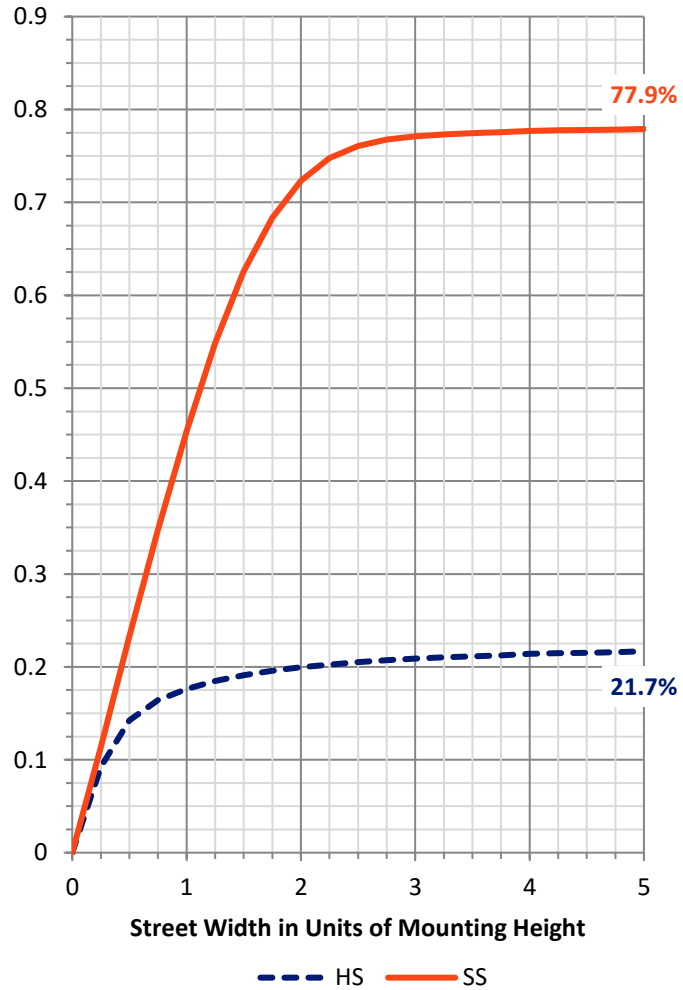
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	460.8	0.0	460.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	1635.2	0.0	1635.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	2096.1	0.0	2096.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	1.2
10°-20°	82.9	4.0
20°-30°	147.8	7.1
30°-40°	214.9	10.3
40°-50°	311.1	14.8
50°-60°	486.8	23.2
60°-70°	567.9	27.1
70°-80°	237.1	11.3
80°-90°	22.4	1.1
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°	2096.1	100.0
0°-180°	2096.1	100.0

Coefficient of Utilization



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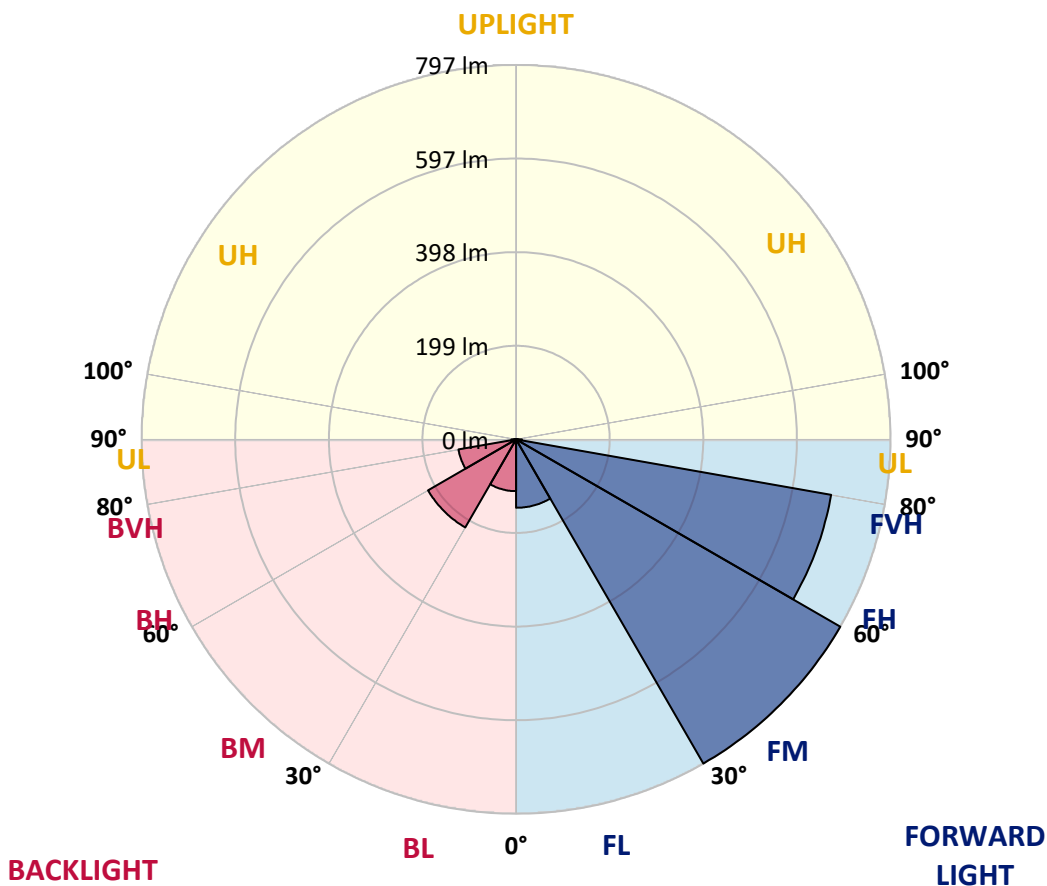
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.6	6.9			
FM (30°-60°)	796.5	38.0			
FH (60°-80°)	680.6	32.5			G1/1800
FVH (80°-90°)	12.5	0.6			G1/100
BL (0°-30°)	110.2	5.3	B1/500		
BM (30°-60°)	216.3	10.3	B0/220		
BH (60°-80°)	124.4	5.9	B1/500		G1/500
BVH (80°-90°)	9.9	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6
2.5°	256.2	255.9	255.7	256.6	256.3	256.2	256.2	256.0	255.7	254.5	252.9
5°	263.2	262.6	262.0	262.8	262.2	261.6	261.4	261.1	260.1	258.3	255.7
7.5°	270.6	270.0	270.1	270.6	270.1	269.8	269.4	269.1	267.4	264.6	261.1
10°	280.9	280.9	281.2	281.7	281.8	281.4	280.5	280.0	278.1	274.5	269.7
12.5°	296.0	295.7	295.7	295.4	295.8	295.4	294.5	293.7	291.3	286.7	279.7
15°	315.8	314.6	313.5	311.6	311.0	309.3	309.6	309.2	306.9	300.6	291.9
17.5°	337.0	336.8	335.2	331.2	327.3	324.6	325.2	325.1	323.9	315.3	304.2
20°	355.6	356.3	354.8	351.8	346.6	341.5	341.2	341.9	340.4	331.8	316.4
22.5°	376.4	375.8	374.3	370.4	366.5	361.1	359.3	358.7	358.1	348.4	328.8
25°	396.3	398.1	396.1	392.5	386.5	380.7	379.1	379.7	378.1	365.2	342.2
27.5°	421.3	422.1	420.9	415.9	410.8	402.6	399.7	399.7	399.1	381.0	352.7
30°	448.1	450.2	448.1	444.0	438.8	426.9	420.7	420.1	418.3	397.2	365.0
32.5°	474.9	476.5	474.9	471.0	465.0	454.7	445.8	444.5	442.1	414.9	377.6
35°	498.8	500.2	499.9	500.8	495.8	482.8	477.4	476.8	470.4	438.0	394.8
37.5°	525.0	526.6	524.4	526.2	524.2	511.9	510.2	507.2	498.2	459.8	412.8
40°	554.7	556.2	552.6	553.3	551.1	544.2	535.8	531.7	518.3	483.4	441.2
42.5°	586.5	590.0	591.6	590.3	585.0	581.1	566.4	561.3	550.2	525.9	487.9
45°	632.6	637.7	640.1	636.7	634.4	628.9	610.8	604.7	598.8	585.8	553.0
47.5°	682.3	687.0	694.6	696.1	697.9	693.7	668.4	662.3	663.4	661.9	633.2
50°	722.0	725.9	743.1	761.6	776.9	778.1	745.7	739.2	744.9	749.7	729.8
52.5°	750.8	754.2	777.1	815.2	849.9	875.6	840.6	833.2	837.9	848.7	839.5
55°	774.2	779.0	802.9	861.5	931.6	972.1	949.7	940.4	938.5	951.9	957.1
57.5°	786.5	788.0	821.5	897.6	991.5	1066.9	1076.6	1066.1	1047.5	1054.9	1082.2
60°	758.4	761.0	806.8	907.0	1038.8	1160.9	1209.8	1201.1	1161.5	1165.5	1195.7
62.5°	680.8	684.4	739.5	862.7	1042.7	1223.6	1332.8	1327.2	1274.1	1252.2	1261.2
65°	546.1	547.3	604.4	753.0	965.1	1231.4	1418.5	1417.2	1352.8	1301.4	1262.8
67.5°	311.4	309.3	385.6	537.1	796.4	1129.9	1424.1	1432.1	1378.3	1293.3	1157.7
70°	135.0	135.3	170.4	265.0	515.5	913.3	1322.7	1336.4	1304.4	1158.3	921.1
72.5°	62.5	63.4	78.5	114.7	220.1	566.5	1078.6	1090.9	1063.4	927.1	670.2
75°	44.1	44.9	52.4	65.8	101.2	220.7	721.5	747.3	760.7	693.4	441.6
77.5°	33.5	34.5	38.3	45.6	62.5	78.2	345.2	406.8	484.6	431.4	227.5
80°	21.3	21.3	25.4	30.5	38.1	40.7	99.7	118.2	237.1	177.8	89.3
82.5°	14.4	14.9	17.3	19.4	21.9	23.1	42.8	45.6	68.5	60.5	36.8
85°	7.7	8.0	9.0	8.9	10.5	9.2	18.0	17.9	25.1	27.5	14.0
87.5°	0.0	0.0	0.2	0.2	0.3	0.5	2.0	2.1	5.3	8.4	4.7
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°	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6
2.5°	253.8	252.0	252.9	252.6	253.5	253.5	251.8	251.4	251.5	249.7	249.1
5°	256.0	253.9	254.4	253.8	254.7	255.4	254.7	254.7	255.6	254.2	253.5
7.5°	261.1	258.7	258.7	258.0	259.0	259.6	259.0	259.9	261.6	260.2	259.5
10°	269.2	266.4	266.5	265.6	266.1	265.8	263.4	262.6	263.1	261.9	261.3
12.5°	279.7	275.8	275.8	274.0	273.0	269.8	264.9	263.1	263.4	262.3	261.9
15°	289.8	286.2	285.5	281.8	277.0	271.2	266.7	265.5	265.8	264.7	264.0
17.5°	301.7	297.0	294.3	287.7	278.8	272.8	268.3	265.5	263.1	260.7	260.1
20°	312.6	306.8	301.8	291.6	280.8	272.5	264.1	257.1	251.2	248.1	247.3
22.5°	323.9	316.4	307.7	294.3	280.6	267.1	251.7	241.0	232.3	227.6	228.5
25°	334.6	325.1	313.2	296.9	275.8	255.1	234.1	218.2	208.3	204.7	203.6
27.5°	343.4	331.7	318.3	295.7	265.9	237.9	210.1	192.4	182.7	178.7	177.6
30°	353.3	340.1	325.7	290.1	250.3	213.7	182.9	168.5	161.6	157.7	157.8
32.5°	364.7	350.9	336.1	279.4	230.3	187.5	160.5	150.6	145.1	141.1	140.5
35°	380.0	366.4	343.0	263.4	205.0	163.5	145.2	137.1	130.2	125.1	124.0
37.5°	399.0	389.7	343.7	241.9	177.8	147.0	134.2	125.5	117.1	110.4	109.6
40°	431.4	420.7	337.6	215.0	154.7	136.3	125.1	115.0	105.3	97.8	96.7
42.5°	477.7	455.7	324.3	184.7	137.2	127.9	116.4	103.6	93.7	88.4	87.7
45°	536.5	494.8	304.5	156.2	124.3	119.7	107.2	93.8	88.6	84.8	84.1
47.5°	608.6	540.3	281.7	133.9	114.3	112.2	97.9	90.5	85.9	82.7	82.0
50°	694.8	598.2	262.9	116.5	105.3	103.5	94.9	88.6	84.8	82.3	81.7
52.5°	793.1	662.6	253.8	104.1	97.5	95.7	93.8	88.1	85.0	83.0	82.3
55°	895.2	730.5	245.2	94.4	90.8	91.9	94.0	89.6	87.2	84.7	83.9
57.5°	993.9	794.2	224.2	86.9	86.0	90.1	94.7	91.1	88.3	85.7	84.8
60°	1061.9	829.0	188.6	80.9	82.4	87.8	92.8	88.9	85.3	84.2	83.8
62.5°	1080.2	824.8	146.4	74.8	78.1	82.9	87.7	85.1	81.4	83.0	83.2
65°	1037.4	779.8	109.9	68.8	72.4	76.4	82.4	81.4	80.0	84.5	84.7
67.5°	916.3	669.1	83.8	63.5	66.5	71.5	80.8	85.1	85.4	91.1	90.5
70°	693.3	499.9	65.6	58.6	62.0	71.5	86.0	88.0	84.4	89.6	88.4
72.5°	479.3	329.9	55.9	54.2	56.5	68.2	85.9	85.9	82.0	82.0	79.7
75°	297.8	194.0	48.7	48.7	48.7	59.6	83.5	79.1	72.2	69.1	67.3
77.5°	147.0	94.3	40.8	42.3	40.7	49.9	68.2	64.7	60.5	57.2	56.0
80°	62.8	47.1	33.0	34.7	32.7	37.5	54.1	53.3	49.3	44.9	43.5
82.5°	28.8	24.3	26.4	27.2	23.9	28.2	39.5	39.5	37.2	31.2	29.0
85°	12.3	12.9	18.3	18.3	15.0	15.9	21.2	20.1	18.0	14.7	13.5
87.5°	4.2	6.3	9.3	8.1	3.2	1.4	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)