

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: P628652

Luminaire Tested: GWS-SA1A-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2135.9 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - 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

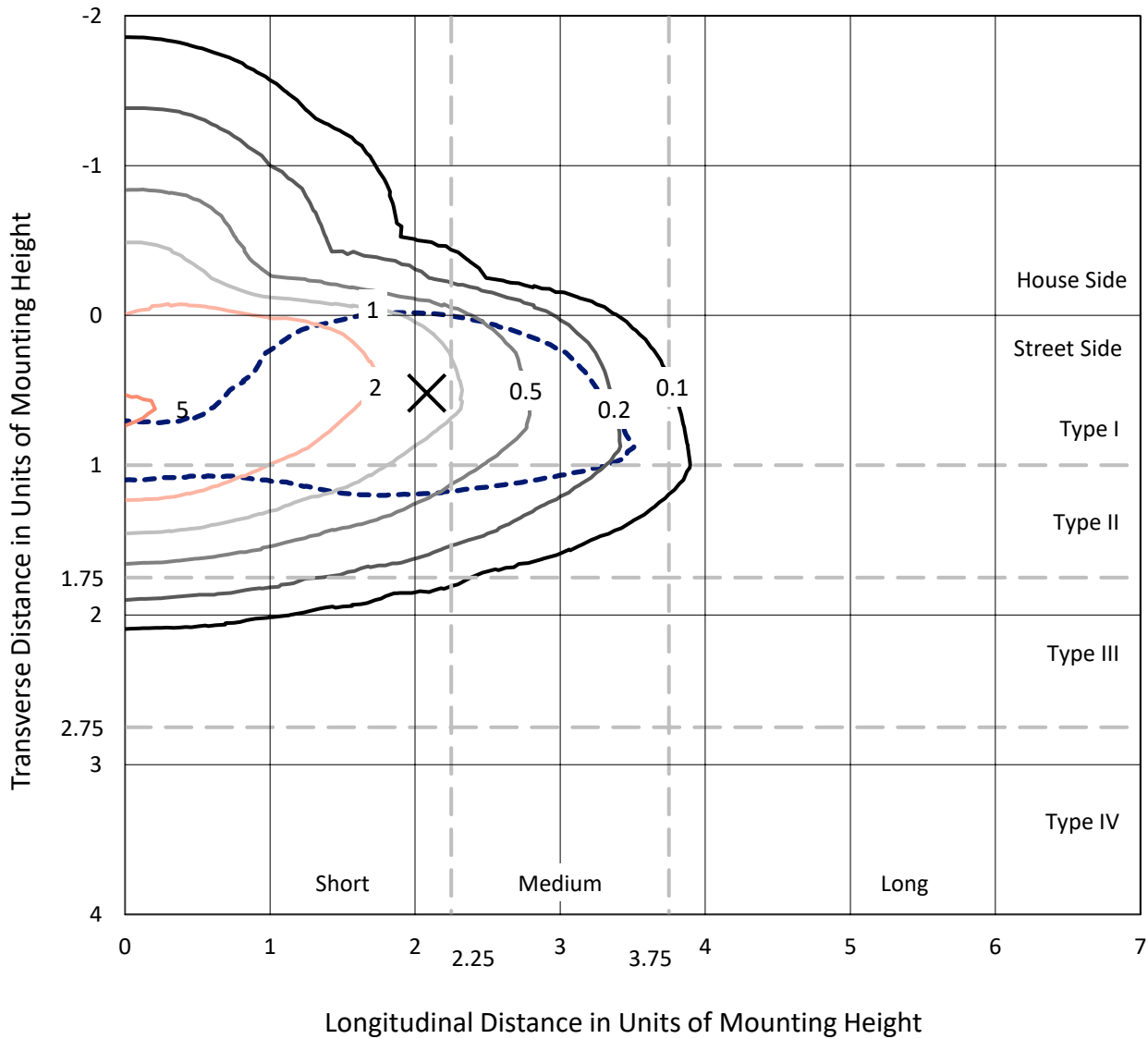


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Iso-Footcandle Lines of Horizontal Illumination

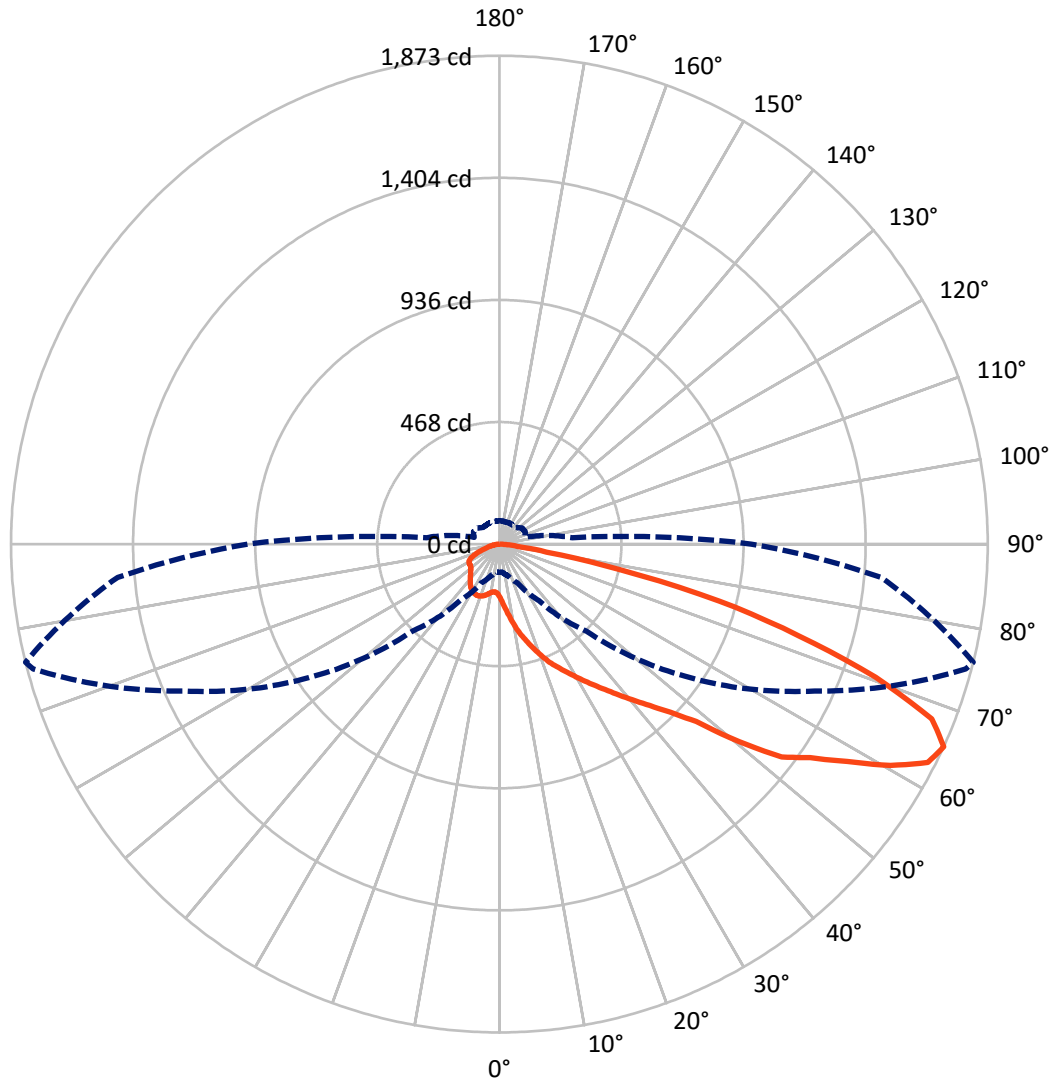
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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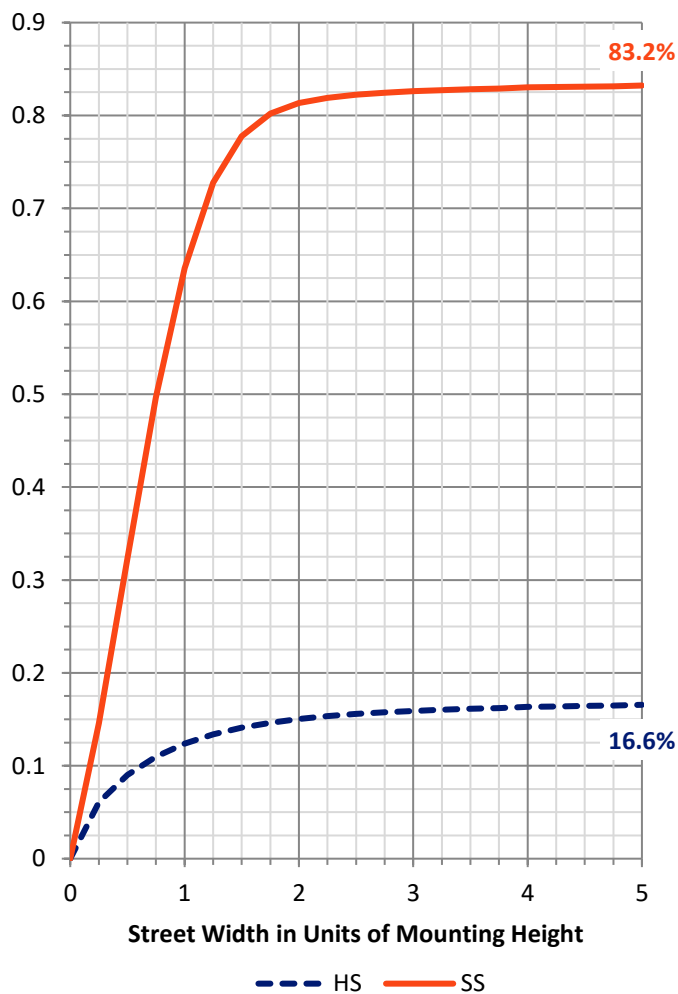
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.0	0.0	357.0
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	1778.9	0.0	1778.9
	% Fixture	83.3	0.0	83.3
Total	Lumens	2135.9	0.0	2135.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	1.1
10°-20°	91.5	4.3
20°-30°	178.4	8.4
30°-40°	298.3	14.0
40°-50°	427.1	20.0
50°-60°	505.7	23.7
60°-70°	420.5	19.7
70°-80°	172.1	8.1
80°-90°	18.3	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°	2135.9	100.0
0°-180°	2135.9	100.0

Coefficient of Utilization



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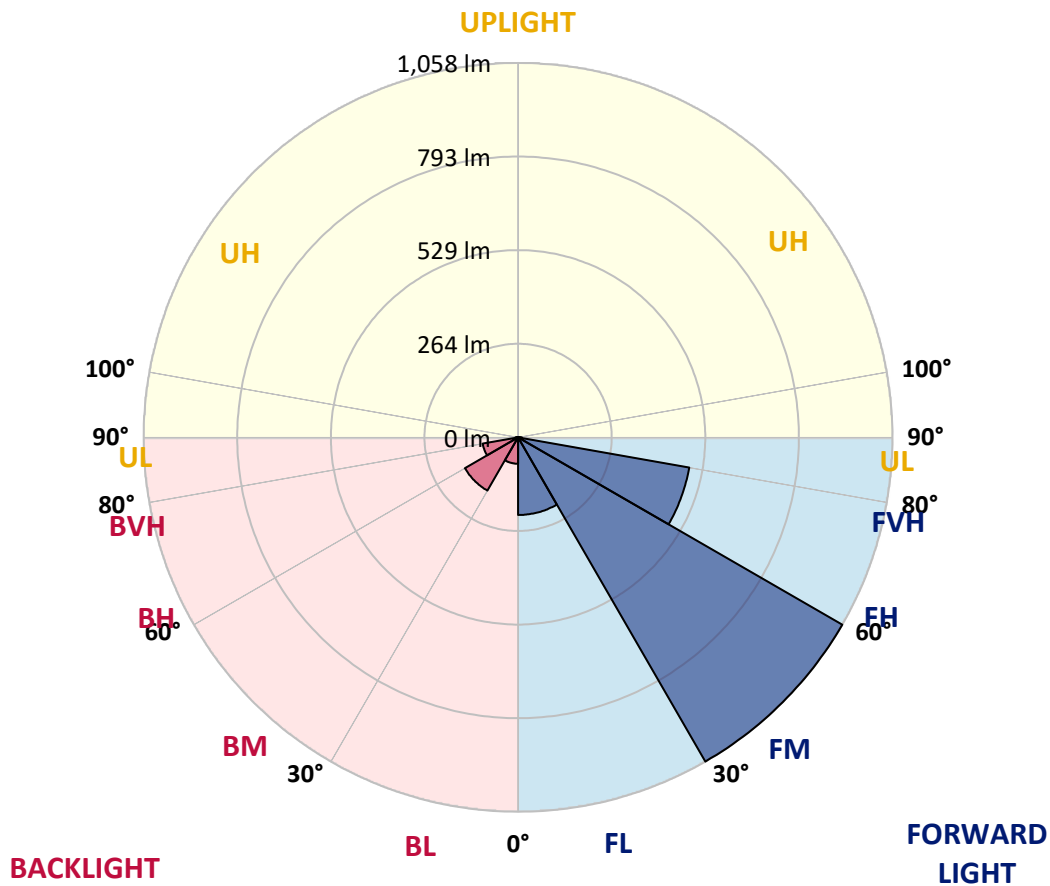
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.2	10.3			
FM (30°-60°)	1057.6	49.5			
FH (60°-80°)	491.1	23.0			G0/660
FVH (80°-90°)	10.9	0.5			G1/100
BL (0°-30°)	74.7	3.5	B0/110		
BM (30°-60°)	173.5	8.1	B0/220		
BH (60°-80°)	101.4	4.7	B0/110		G0/110
BVH (80°-90°)	7.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3
2.5°	283.5	284.5	281.1	279.9	271.8	260.8	251.7	237.8	225.1	223.1	211.7
5°	360.1	355.6	351.7	349.1	337.9	325.4	306.0	280.0	252.9	249.6	224.9
7.5°	405.6	404.8	400.0	398.5	389.8	377.3	357.4	325.1	285.6	280.2	242.8
10°	442.1	441.6	439.2	440.6	432.6	420.4	401.1	367.7	321.5	316.1	262.8
12.5°	473.9	474.6	474.2	479.2	475.1	465.6	445.5	408.9	357.4	351.5	287.1
15°	497.2	497.8	500.0	510.8	513.1	511.1	490.7	449.3	392.8	384.4	312.2
17.5°	503.8	505.0	510.4	527.8	540.0	548.1	532.9	490.4	427.6	418.5	337.7
20°	512.6	514.0	519.4	537.6	555.4	573.9	571.2	532.2	462.8	455.3	363.5
22.5°	553.6	552.6	550.2	558.9	571.6	594.6	601.4	572.2	499.1	491.9	392.1
25°	632.6	630.7	615.3	607.4	603.2	617.1	629.2	608.7	534.6	523.7	418.6
27.5°	719.7	718.7	699.1	680.2	654.4	648.4	655.4	640.6	568.9	558.0	441.8
30°	802.1	799.0	778.6	754.8	720.3	694.5	684.1	671.8	606.6	595.2	468.8
32.5°	875.9	871.8	847.8	821.5	785.3	754.8	723.9	705.0	649.3	636.1	496.4
35°	936.4	932.3	907.7	879.8	840.0	817.5	775.1	741.0	692.7	679.3	529.0
37.5°	983.2	979.5	953.8	926.3	891.6	873.8	837.0	781.6	742.7	728.7	563.5
40°	1009.5	1006.8	986.2	964.5	935.3	919.9	903.3	832.8	798.7	784.7	604.2
42.5°	1017.5	1015.7	1001.2	990.0	970.3	958.6	968.1	893.0	858.4	846.3	650.0
45°	997.5	997.5	993.3	999.0	999.9	999.7	1032.9	961.0	931.9	918.5	714.6
47.5°	946.4	949.7	955.9	984.0	1013.6	1038.3	1108.8	1051.7	1026.3	1015.4	806.0
50°	853.0	862.1	883.1	937.9	1000.8	1063.9	1180.5	1185.8	1210.0	1190.6	940.6
52.5°	716.3	714.9	768.5	846.6	942.5	1064.9	1220.0	1304.1	1369.1	1355.8	1040.6
55°	569.2	567.0	617.0	724.7	853.2	1024.7	1243.8	1358.3	1457.4	1445.4	1130.5
57.5°	435.9	433.1	477.5	574.7	727.1	939.2	1239.2	1422.9	1578.9	1572.7	1252.8
60°	300.0	296.6	338.2	423.1	577.8	808.6	1189.4	1456.1	1721.1	1723.2	1383.5
62.5°	180.2	178.2	208.4	274.3	415.6	646.7	1072.7	1436.0	1834.3	1843.8	1467.6
65°	108.7	107.4	125.1	163.7	263.7	471.9	892.8	1333.1	1850.7	1872.5	1469.6
67.5°	79.1	79.3	84.4	99.7	153.8	304.8	670.0	1148.7	1765.4	1787.9	1376.9
70°	68.8	69.1	71.8	75.2	92.9	174.5	435.6	906.8	1513.3	1530.7	1154.9
72.5°	61.1	61.1	62.9	64.7	72.7	106.3	233.3	633.8	1194.4	1199.0	881.4
75°	53.8	53.3	54.2	55.1	63.1	74.3	113.5	441.6	882.2	871.4	569.7
77.5°	42.8	42.3	42.5	43.4	50.6	53.2	57.5	275.8	497.2	469.2	251.7
80°	30.5	30.2	31.8	34.1	37.4	32.6	36.0	133.5	197.2	183.5	97.6
82.5°	18.2	18.8	21.3	23.1	25.8	20.4	23.3	44.6	69.8	68.0	39.6
85°	2.6	2.7	7.7	8.9	11.1	8.0	12.3	20.1	27.9	29.9	14.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.6	8.0	8.1	3.5
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°	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3	202.3
2.5°	205.9	198.8	188.7	180.3	173.3	167.6	162.8	159.2	158.1	156.6	156.6
5°	213.4	200.6	182.6	169.8	162.5	158.1	155.1	153.6	152.9	152.0	151.5
7.5°	223.7	205.9	181.5	168.6	162.9	160.2	158.3	157.4	156.8	155.9	155.9
10°	238.0	213.7	184.8	172.8	168.3	165.6	163.4	161.9	160.5	159.2	158.9
12.5°	253.5	223.9	190.8	178.5	173.7	170.4	167.3	165.0	163.4	161.7	161.3
15°	270.6	234.4	197.3	184.1	178.1	173.6	169.8	166.4	164.1	161.7	161.4
17.5°	287.4	245.1	202.7	187.8	180.2	174.6	169.2	164.7	161.9	159.2	158.4
20°	307.5	255.7	206.5	188.9	179.7	172.4	165.9	160.2	157.1	153.9	153.5
22.5°	326.0	265.6	208.3	187.4	176.3	167.6	160.1	153.9	150.5	147.3	146.7
25°	343.9	274.3	207.5	183.8	171.0	161.0	153.2	147.0	143.7	140.4	139.5
27.5°	361.1	280.2	204.5	178.2	164.4	153.6	146.1	140.5	137.7	134.8	133.6
30°	378.1	285.6	199.9	171.0	156.0	146.0	139.8	135.9	133.0	130.0	129.1
32.5°	395.2	289.5	192.8	162.6	147.5	139.2	135.4	132.6	129.6	126.6	125.7
35°	412.5	291.2	184.2	153.0	140.2	134.8	133.5	130.2	126.1	122.5	121.3
37.5°	433.1	292.7	173.6	143.6	133.9	132.7	132.4	127.5	122.7	117.7	116.4
40°	457.8	294.6	162.6	135.0	128.8	132.0	130.8	124.0	114.4	109.6	108.1
42.5°	488.2	298.2	151.2	127.2	125.1	129.1	127.8	115.6	109.2	106.5	105.7
45°	532.8	311.4	139.8	121.0	122.2	125.1	123.0	110.7	108.1	106.3	105.4
47.5°	612.2	331.7	129.9	116.4	120.0	121.5	113.4	109.3	107.4	105.0	103.9
50°	694.8	340.6	121.9	113.5	117.4	118.2	108.1	107.5	106.2	103.6	102.6
52.5°	750.6	339.4	117.1	112.5	115.3	112.5	105.7	105.6	104.7	101.7	100.5
55°	813.7	341.5	115.0	112.8	114.4	102.9	102.7	103.2	102.7	99.4	98.8
57.5°	898.8	347.9	114.0	113.8	113.8	98.2	99.9	100.5	99.6	98.1	97.6
60°	980.7	348.4	112.0	115.0	113.4	95.3	96.6	97.2	96.1	95.8	95.7
62.5°	1011.5	326.7	107.7	114.1	111.6	92.2	93.1	93.4	92.3	93.1	92.9
65°	965.7	280.8	100.5	109.8	106.0	89.3	88.7	89.5	87.7	89.6	89.8
67.5°	857.4	223.1	89.5	101.5	98.2	86.2	85.0	85.0	82.0	85.0	84.8
70°	691.3	157.7	73.4	88.3	89.6	82.4	81.8	78.4	73.6	78.1	77.6
72.5°	524.0	113.2	57.8	69.8	77.2	77.2	77.3	71.5	65.9	68.0	66.2
75°	332.0	79.7	46.2	53.5	60.5	67.7	71.2	60.4	55.4	54.5	53.6
77.5°	149.6	52.4	36.0	41.0	42.9	53.5	65.0	52.0	45.2	43.2	42.6
80°	62.6	32.6	25.7	29.0	26.4	44.9	57.4	40.4	33.2	30.5	28.5
82.5°	27.5	19.4	16.4	15.6	16.5	33.3	42.8	26.9	20.7	28.1	28.4
85°	11.6	10.2	8.4	7.7	6.8	12.8	20.1	10.5	12.9	7.4	6.0
87.5°	2.7	3.0	2.3	1.5	0.9	0.2	0.0	0.0	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)