

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: P628922

Luminaire Tested: GWS-SA1A-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2179 lumens
Efficiency: N/A
Efficacy: 110.6 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

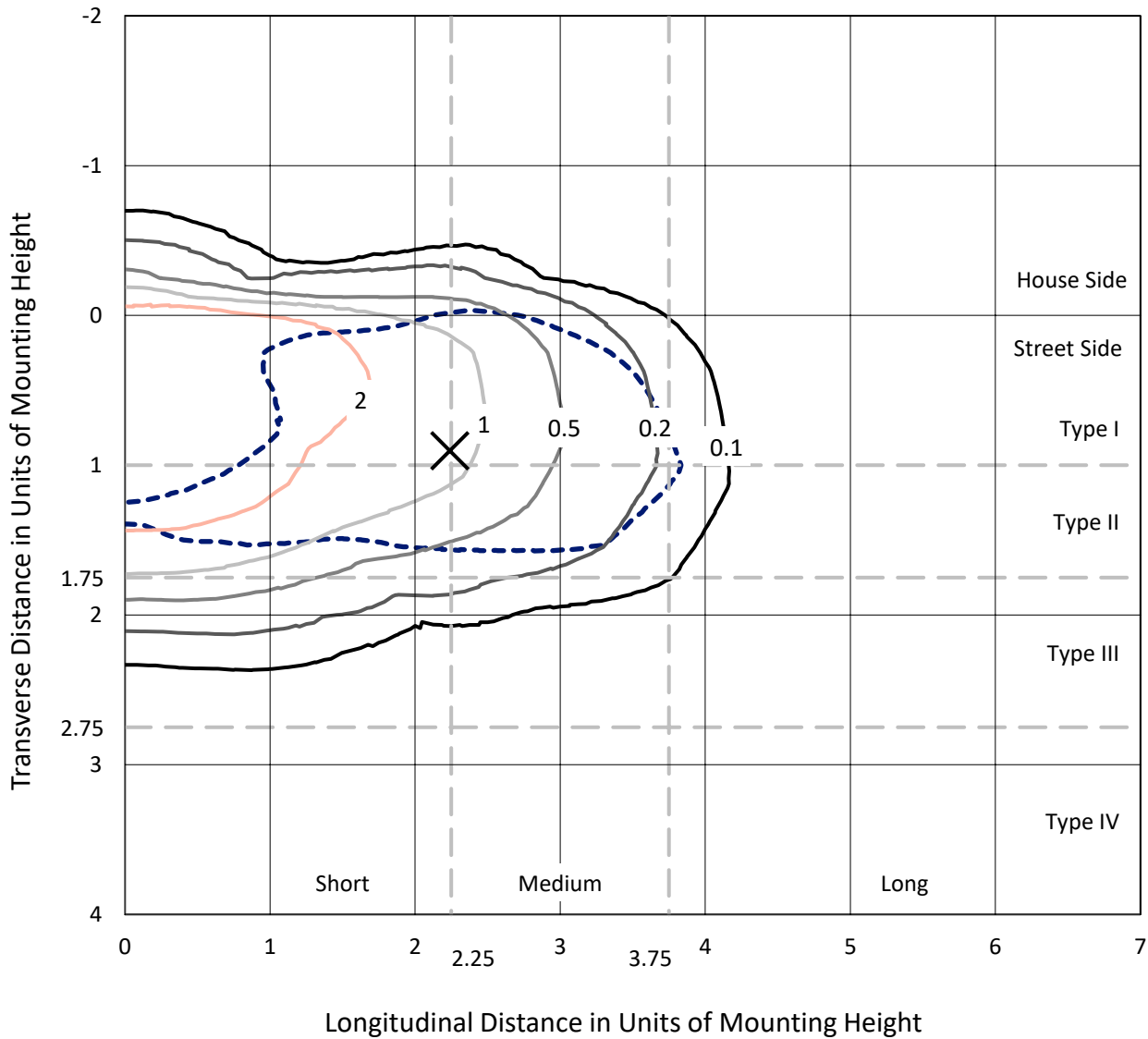
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

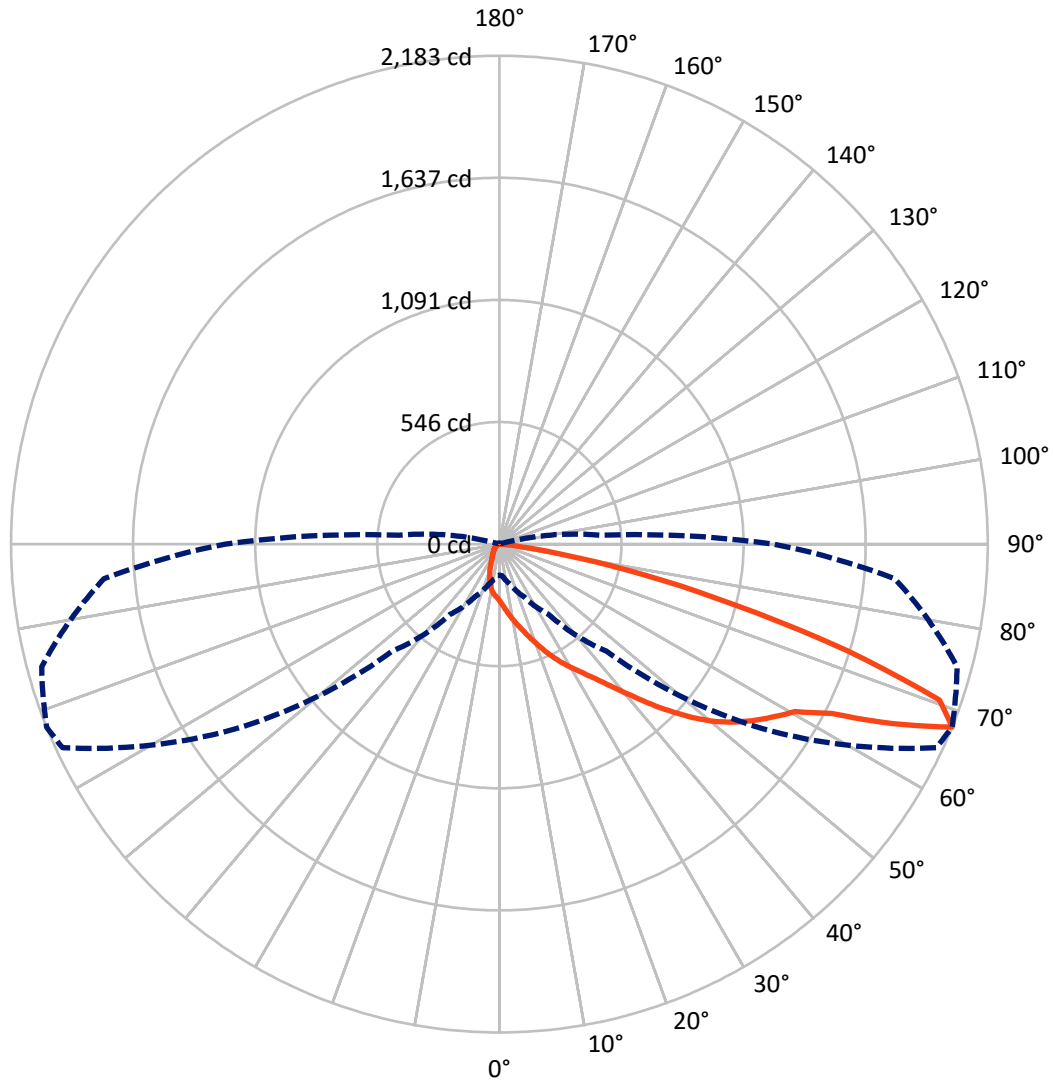
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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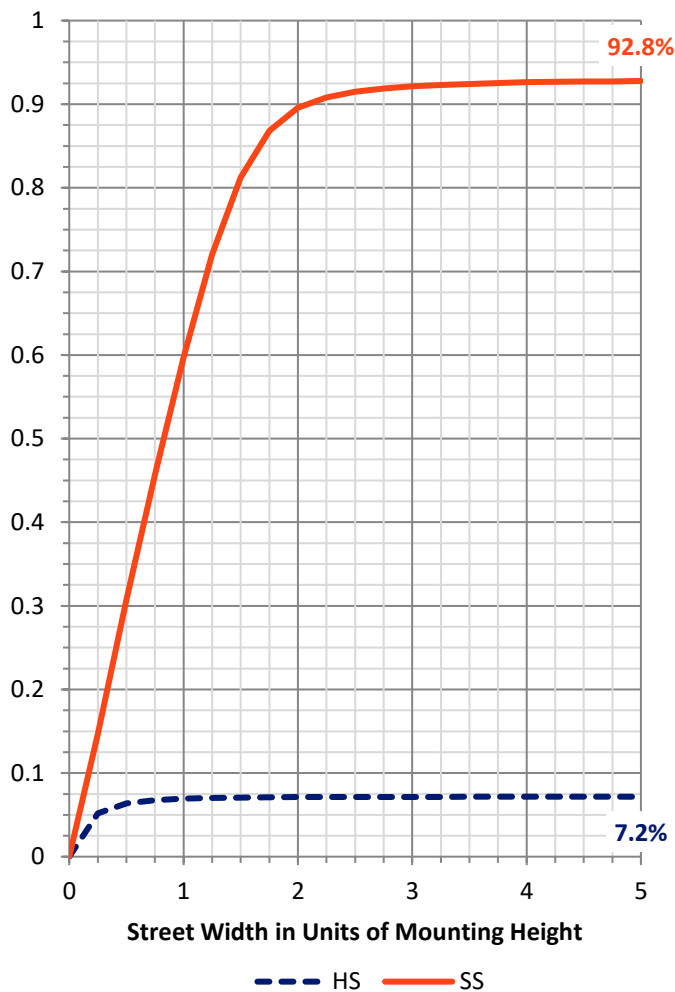
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	157.3	0.0	157.3
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2021.7	0.0	2021.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	2179.0	0.0	2179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	1.1
10°-20°	71.0	3.3
20°-30°	122.0	5.6
30°-40°	212.2	9.7
40°-50°	370.3	17.0
50°-60°	558.5	25.6
60°-70°	560.0	25.7
70°-80°	247.1	11.3
80°-90°	13.2	0.6
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°	2179.0	100.0
0°-180°	2179.0	100.0

Coefficient of Utilization



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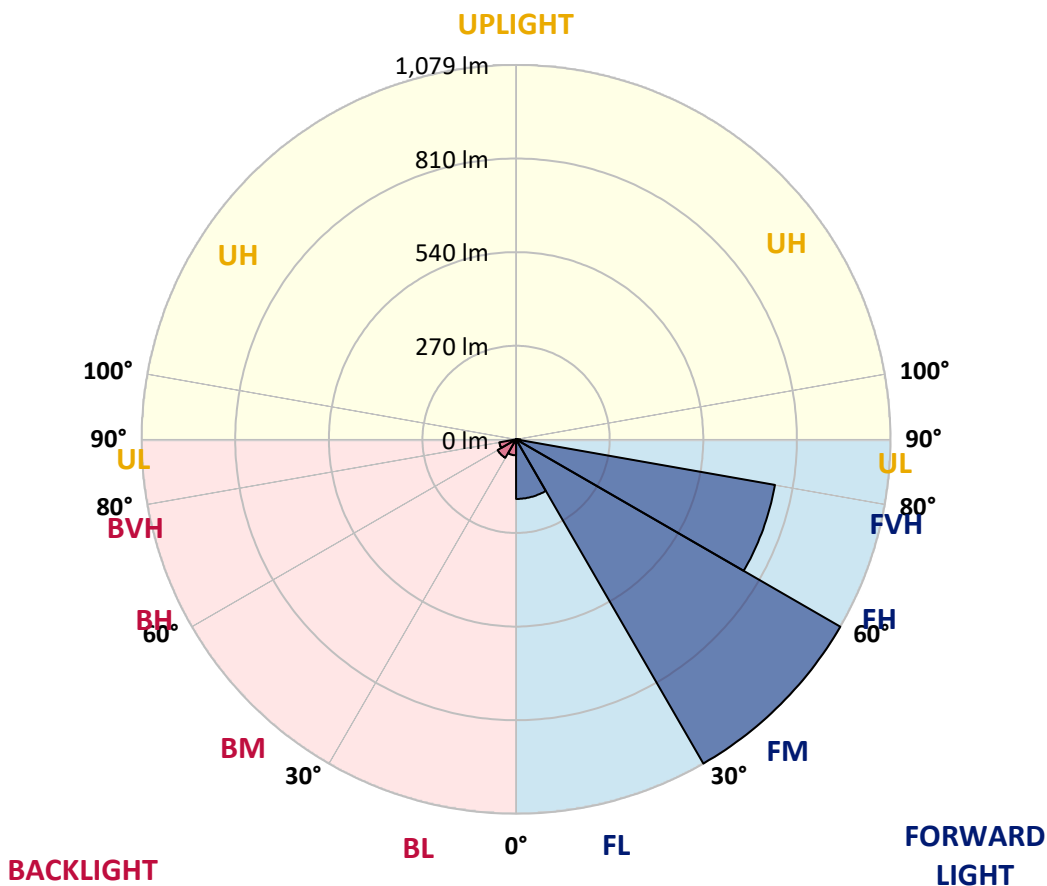
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.8	7.9			
FM (30°-60°)	1079.5	49.5			
FH (60°-80°)	758.0	34.8			G1/1800
FVH (80°-90°)	12.5	0.6			G1/100
BL (0°-30°)	46.0	2.1	B0/110		
BM (30°-60°)	61.5	2.8	B0/220		
BH (60°-80°)	49.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			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°	68°	75°	85°
0°	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6
2.5°	295.3	297.2	295.3	295.7	290.3	287.8	282.4	274.9	273.0	268.2	260.9
5°	331.4	333.0	331.2	330.7	324.5	319.9	310.9	298.0	294.2	284.9	270.5
7.5°	351.0	352.0	352.6	353.7	351.4	347.6	339.5	323.4	319.5	304.3	284.0
10°	353.1	353.9	357.0	363.3	367.9	370.2	365.6	350.8	344.5	329.7	300.7
12.5°	347.2	348.5	353.5	363.9	376.6	388.3	391.2	378.3	372.7	353.7	320.3
15°	339.5	340.5	347.4	361.6	380.8	402.3	414.4	408.7	402.5	382.7	342.0
17.5°	327.6	329.1	338.7	357.8	382.7	413.3	439.4	441.3	436.9	415.4	366.0
20°	320.9	322.0	330.5	350.3	381.4	421.5	462.7	480.5	475.7	453.1	393.5
22.5°	326.6	327.4	333.0	348.5	377.2	426.0	484.4	519.7	517.0	493.6	422.5
25°	356.2	358.9	355.6	358.3	379.1	428.5	501.9	558.9	559.5	535.9	452.5
27.5°	416.2	412.7	404.8	391.2	393.7	435.2	517.0	595.8	601.2	577.2	479.2
30°	477.3	475.3	470.5	449.4	431.9	450.0	529.7	633.5	642.1	617.9	503.0
32.5°	545.9	548.0	539.5	514.3	484.4	480.1	542.8	669.4	685.5	664.0	530.9
35°	627.9	628.5	611.6	583.7	549.9	529.7	566.4	709.0	738.6	722.8	568.3
37.5°	707.8	711.5	702.4	658.3	628.3	591.4	605.4	759.9	801.6	795.4	615.2
40°	778.5	784.3	781.4	738.8	699.4	668.4	665.9	819.5	877.7	884.8	677.1
42.5°	834.8	838.5	840.8	810.6	775.8	758.2	740.5	888.8	967.6	996.6	753.0
45°	894.2	895.5	900.3	879.8	849.4	850.8	828.7	972.8	1062.3	1120.5	840.2
47.5°	969.9	974.1	971.8	950.3	922.8	939.2	919.9	1059.4	1155.7	1252.7	929.4
50°	1062.1	1066.5	1064.4	1039.3	1008.7	1015.6	1003.5	1143.4	1245.8	1377.4	1003.7
52.5°	1109.6	1113.2	1139.0	1150.3	1134.2	1090.4	1074.8	1235.8	1321.9	1480.0	1071.9
55°	1086.7	1089.2	1145.5	1193.0	1251.8	1208.1	1146.5	1307.1	1389.1	1560.1	1122.6
57.5°	991.6	1005.1	1081.7	1162.2	1285.8	1324.2	1262.9	1384.7	1453.7	1615.7	1172.4
60°	796.6	796.0	905.7	1050.2	1219.5	1356.1	1427.2	1489.6	1518.6	1658.5	1239.1
62.5°	440.2	444.2	590.2	780.6	1035.2	1273.5	1550.5	1670.8	1666.4	1733.1	1343.6
65°	219.2	227.1	306.3	447.1	688.8	1052.5	1571.7	1947.3	1934.8	1908.9	1559.4
67.5°	139.1	142.2	186.0	259.8	382.9	676.5	1439.3	2153.6	2182.5	2117.5	1773.6
70°	90.1	95.3	129.3	177.7	231.1	348.7	1054.4	2019.9	2086.4	2094.5	1640.1
72.5°	49.0	52.8	82.6	126.8	166.8	174.3	592.2	1515.9	1622.8	1776.7	1283.1
75°	27.9	30.7	45.3	86.1	122.4	106.1	262.5	1014.7	1082.9	1269.8	919.4
77.5°	16.9	19.2	25.4	41.9	76.7	70.9	99.3	617.7	661.1	757.6	482.6
80°	7.7	9.2	16.1	23.1	41.9	33.6	38.0	288.0	297.4	310.9	159.7
82.5°	3.5	4.2	7.3	13.8	23.8	19.4	14.6	66.5	93.6	88.6	40.7
85°	0.4	0.4	2.7	5.6	6.7	5.0	6.0	15.0	19.0	26.7	11.7
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	1.3	1.9	2.7	4.4	2.9
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°	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6	253.6
2.5°	257.5	251.7	246.5	238.8	233.6	227.7	223.8	219.0	217.1	215.6	213.5
5°	263.4	254.0	241.3	227.1	215.4	204.4	194.1	187.5	181.6	180.8	177.9
7.5°	273.0	259.0	237.5	214.4	194.6	176.2	161.8	150.1	144.3	142.4	139.1
10°	285.7	266.5	231.9	196.4	167.9	146.0	129.7	116.6	107.4	104.1	101.6
12.5°	299.9	273.4	222.9	174.3	141.8	116.8	96.1	82.2	76.3	74.2	72.4
15°	316.1	279.9	208.7	152.2	116.4	85.9	71.3	65.3	62.8	62.1	61.5
17.5°	331.8	284.0	191.9	129.3	89.5	66.7	59.8	57.6	56.9	56.3	55.9
20°	349.5	286.9	172.0	107.6	69.4	56.5	53.2	51.5	50.3	49.0	48.8
22.5°	367.6	286.9	150.6	86.3	58.2	50.7	46.9	43.8	41.5	40.2	39.8
25°	385.0	283.0	129.3	69.0	51.3	45.0	40.2	36.7	33.6	32.1	31.7
27.5°	397.3	272.8	110.7	58.4	46.5	40.0	34.2	30.2	27.7	26.3	26.1
30°	405.0	257.5	93.6	52.1	42.3	34.8	29.0	25.6	23.8	22.7	22.3
32.5°	410.8	238.8	78.4	47.8	38.4	30.2	25.2	22.5	20.9	20.0	19.8
35°	422.5	221.0	67.1	43.8	34.2	26.5	22.1	20.0	18.8	17.7	17.5
37.5°	438.8	206.2	58.2	40.2	30.2	23.6	20.0	18.1	17.1	16.1	15.8
40°	462.7	196.9	51.5	36.7	26.7	21.3	18.4	16.7	15.2	14.2	14.0
42.5°	499.7	192.5	47.1	33.2	23.6	19.2	16.9	14.8	13.3	12.3	12.1
45°	543.7	194.8	43.4	29.6	21.5	17.7	15.0	12.9	11.5	10.4	10.2
47.5°	590.8	202.9	40.2	26.3	19.4	16.3	13.3	11.1	9.8	8.8	8.5
50°	640.0	216.3	37.5	23.1	17.7	14.6	11.5	9.6	8.3	7.5	7.3
52.5°	682.7	234.4	34.8	20.9	16.3	12.9	10.0	8.3	7.1	6.3	6.0
55°	723.6	251.5	32.7	18.8	14.6	11.3	8.8	7.1	6.0	5.2	5.0
57.5°	768.0	269.6	30.2	16.9	13.1	10.0	7.7	6.0	5.2	4.4	4.2
60°	832.7	296.5	26.5	15.4	11.5	8.8	6.7	5.4	4.6	3.5	3.3
62.5°	925.9	345.5	22.3	13.3	9.8	7.5	5.6	4.6	3.8	2.9	2.5
65°	1100.2	429.0	18.4	11.1	7.9	6.3	4.8	3.8	2.9	2.1	1.9
67.5°	1225.8	450.6	14.8	9.0	6.5	4.8	4.0	2.9	2.1	1.5	1.3
70°	1071.7	323.6	11.5	7.3	5.4	3.8	3.1	2.3	1.5	1.0	0.8
72.5°	807.5	211.5	8.5	5.6	4.2	3.1	2.3	1.9	1.3	0.8	0.6
75°	569.1	122.2	6.3	4.2	2.9	2.3	1.9	1.5	1.0	0.6	0.6
77.5°	291.7	50.5	4.4	2.9	2.1	1.5	1.3	0.8	0.8	0.6	0.4
80°	88.6	16.7	2.5	1.9	1.5	1.0	0.6	0.6	0.6	0.4	0.2
82.5°	20.2	5.4	1.5	1.5	1.0	0.8	0.6	0.2	0.2	0.0	0.0
85°	5.2	1.7	1.3	1.0	1.0	0.8	0.4	0.2	0.0	0.0	0.0
87.5°	1.9	1.0	1.0	1.0	0.8	0.6	0.4	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)