

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: P628655

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1537.8 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

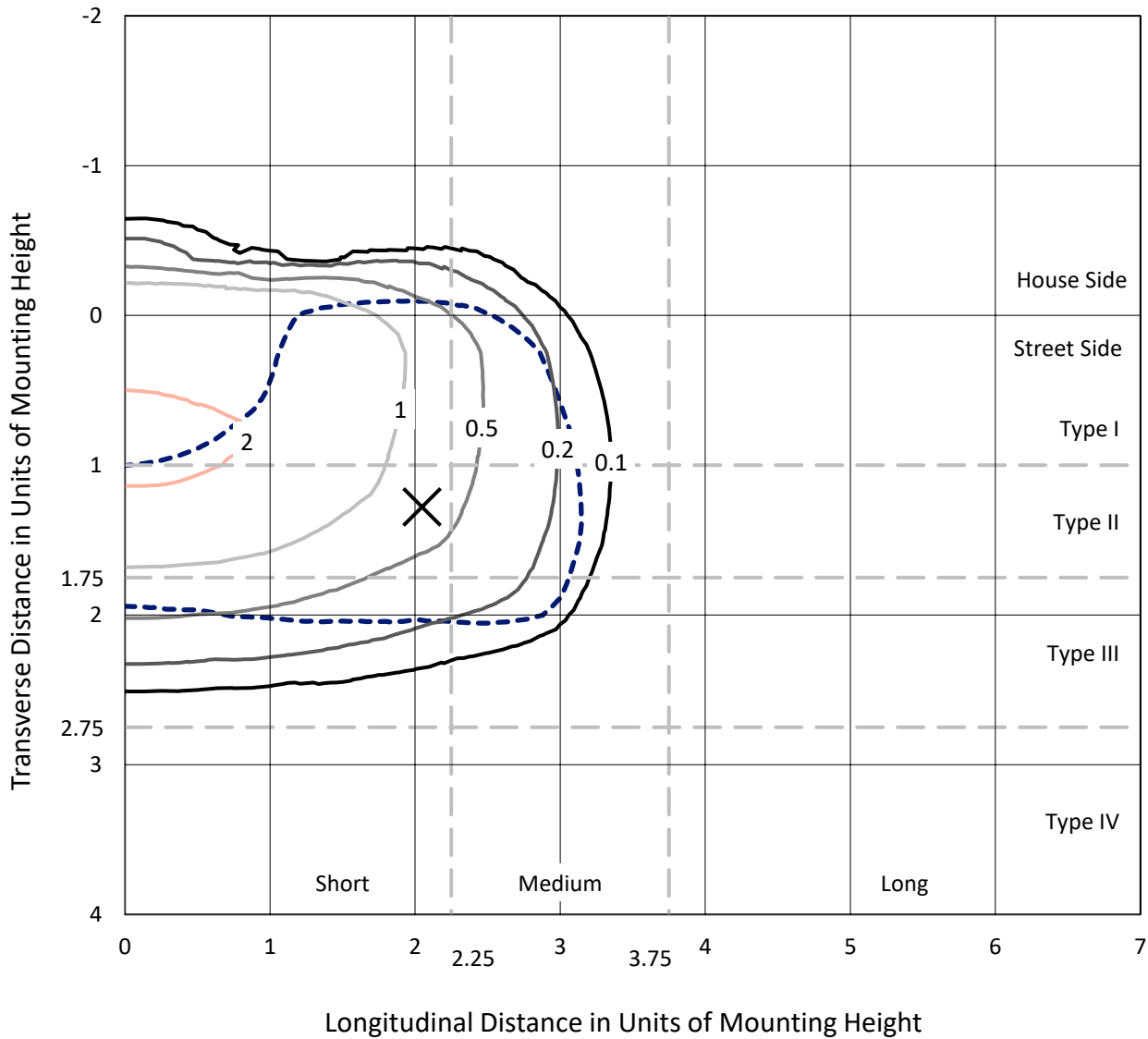
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

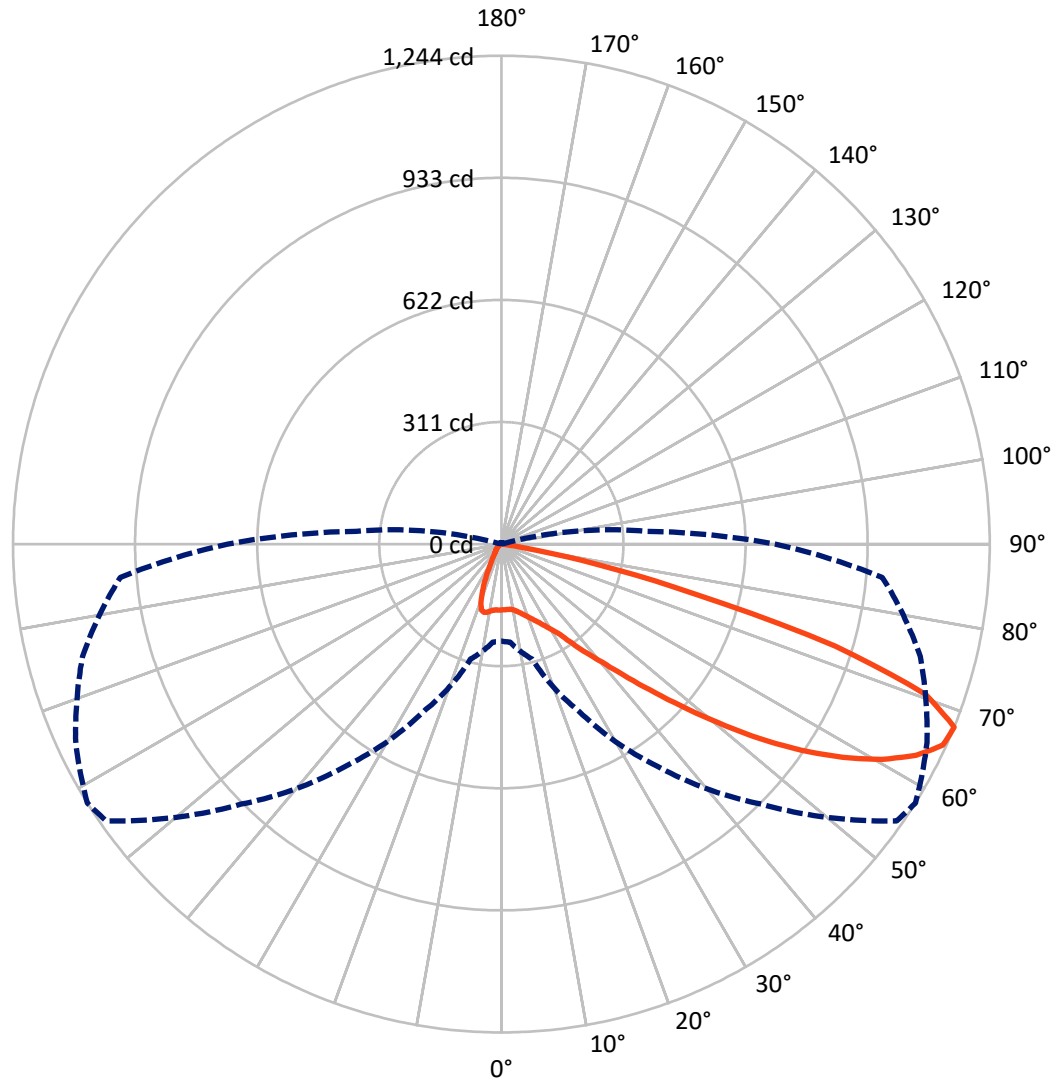
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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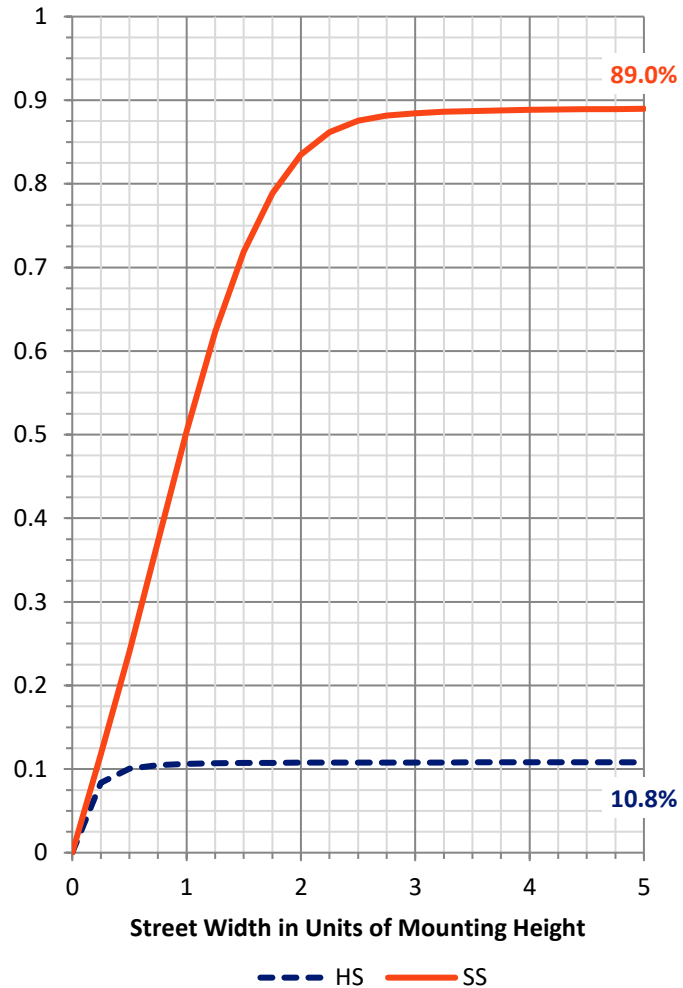
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	167.8	0.0	167.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	1370.0	0.0	1370.0
	% Fixture	89.1	0.0	89.1
Total	Lumens	1537.8	0.0	1537.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	1.0
10°-20°	44.2	2.9
20°-30°	77.1	5.0
30°-40°	137.8	9.0
40°-50°	251.8	16.4
50°-60°	418.8	27.2
60°-70°	454.9	29.6
70°-80°	133.6	8.7
80°-90°	3.8	0.2
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°	1537.8	100.0
0°-180°	1537.8	100.0

Coefficient of Utilization



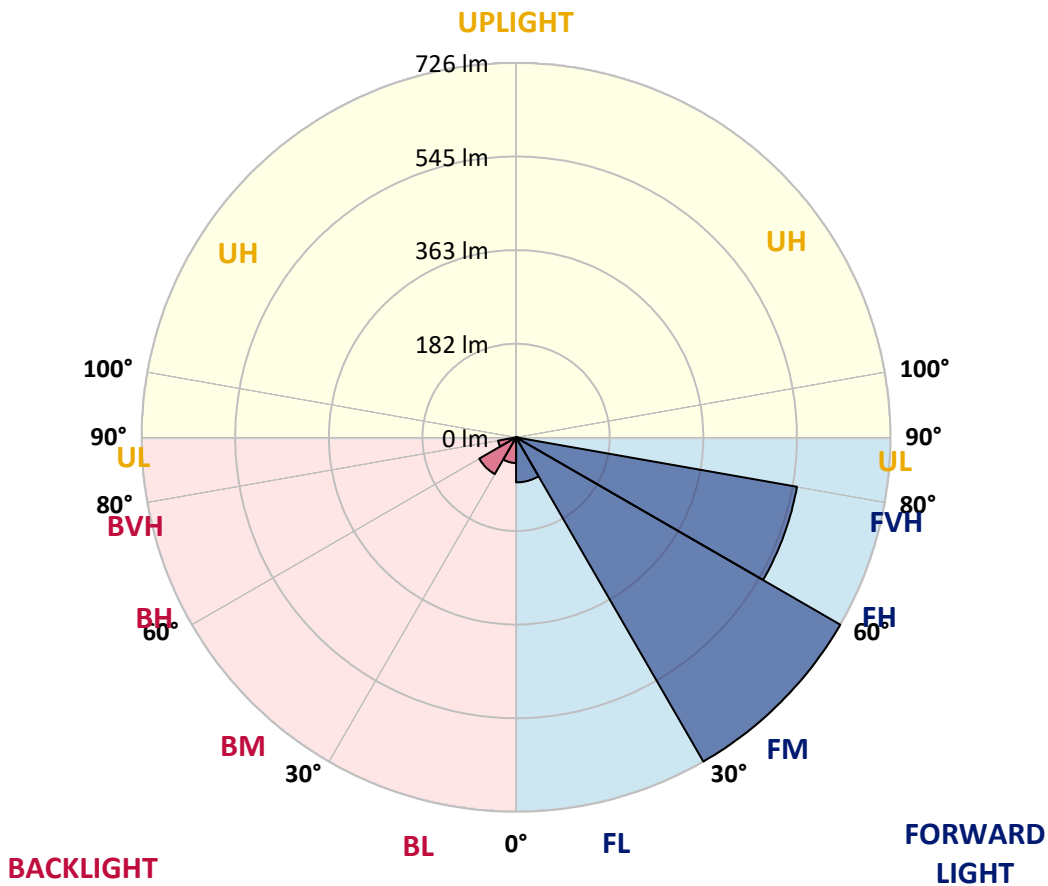
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.3	5.7			
FM (30°-60°)	726.0	47.2			
FH (60°-80°)	553.1	36.0			G0/660
FVH (80°-90°)	3.6	0.2			G0/10
BL (0°-30°)	49.8	3.2	B0/110		
BM (30°-60°)	82.4	5.4	B0/220		
BH (60°-80°)	35.4	2.3	B0/110		G0/110
BVH (80°-90°)	0.2	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-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6
2.5°	164.4	164.1	164.1	165.3	165.5	166.1	167.4	167.6	168.3	168.0	167.0
5°	155.9	156.0	156.9	159.0	160.8	163.1	166.4	167.1	168.8	169.7	169.1
7.5°	147.9	148.1	149.4	152.7	156.2	160.7	166.1	167.6	170.9	173.3	173.4
10°	144.9	144.8	146.1	149.9	154.4	160.7	168.5	170.4	175.4	179.6	180.3
12.5°	145.8	145.7	147.0	150.5	155.4	163.4	172.7	175.4	181.7	188.1	189.5
15°	149.4	149.3	150.2	153.0	158.4	166.7	178.1	182.1	190.1	197.9	200.0
17.5°	160.2	159.5	158.6	158.9	162.0	170.6	185.0	189.9	199.9	209.2	211.0
20°	179.4	177.5	175.1	171.9	170.4	176.3	193.0	198.7	210.7	221.3	221.6
22.5°	208.4	207.7	202.1	193.0	186.5	186.6	202.3	208.9	223.6	235.3	233.6
25°	248.8	248.4	239.8	224.8	208.0	202.3	214.1	220.9	238.9	251.4	246.1
27.5°	299.0	295.8	285.7	265.5	240.4	222.5	229.1	235.1	255.1	266.8	256.9
30°	342.7	342.8	333.3	312.2	283.9	253.0	247.5	252.7	270.0	282.3	270.3
32.5°	384.7	386.1	375.7	356.6	325.7	292.8	273.7	274.6	289.1	302.4	287.8
35°	423.7	424.8	417.6	401.4	372.5	334.4	310.4	309.9	317.7	331.4	312.3
37.5°	467.4	468.5	461.4	446.9	419.8	382.0	352.0	351.4	354.5	365.6	343.9
40°	514.0	515.9	508.1	495.8	470.0	438.0	400.3	394.9	391.8	404.8	384.7
42.5°	561.1	564.1	561.4	549.1	527.0	500.6	463.1	454.7	447.9	464.3	443.0
45°	619.7	623.3	622.1	612.6	595.5	574.0	538.6	528.8	525.7	540.9	515.5
47.5°	676.0	679.9	684.3	682.2	670.0	660.1	620.7	615.2	614.3	630.5	591.2
50°	717.9	721.5	738.2	750.2	758.4	756.3	722.3	714.0	712.6	723.0	671.0
52.5°	747.9	751.4	774.4	811.9	842.2	858.7	824.4	822.6	815.2	811.6	745.8
55°	771.2	776.0	800.2	856.9	918.1	954.7	933.2	926.8	907.8	887.1	815.2
57.5°	775.9	777.8	811.9	888.5	976.9	1036.2	1036.2	1025.0	988.5	959.8	895.4
60°	734.1	740.1	786.2	885.9	1002.1	1089.5	1121.7	1113.9	1064.6	1029.3	972.6
62.5°	641.5	648.2	704.4	824.8	976.9	1100.5	1186.4	1185.2	1129.6	1086.8	1036.5
65°	491.9	496.9	545.8	690.0	870.3	1058.3	1232.6	1235.9	1181.0	1124.8	1058.6
67.5°	247.2	250.6	303.5	471.3	689.8	936.8	1229.5	1244.2	1196.6	1104.7	974.4
70°	86.3	89.8	114.7	202.3	419.8	715.3	1123.2	1147.2	1104.8	943.0	718.8
72.5°	29.6	31.2	47.6	75.1	163.4	424.0	854.1	890.3	814.4	633.1	413.1
75°	16.8	17.9	25.5	40.7	68.5	139.5	484.6	506.8	474.8	345.1	170.0
77.5°	11.4	12.3	15.9	23.1	37.8	44.9	197.6	248.8	217.0	112.6	43.4
80°	6.8	7.4	9.8	13.7	19.4	17.4	42.3	56.3	72.5	33.6	13.1
82.5°	3.2	3.6	6.3	9.0	9.8	7.4	12.5	15.2	20.4	16.5	5.4
85°	0.0	0.0	2.1	3.8	3.6	2.1	3.5	3.8	5.6	8.3	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.9	1.7	0.9
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°	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6
2.5°	168.2	167.1	168.3	167.7	168.3	168.2	167.0	166.2	166.2	164.9	164.4
5°	170.3	169.2	169.5	168.2	167.9	167.1	165.6	165.0	165.0	163.7	163.2
7.5°	174.9	173.3	173.0	170.3	169.1	167.0	164.3	163.2	163.1	161.7	161.3
10°	182.3	180.3	179.0	175.5	172.1	167.9	162.2	157.4	154.7	151.1	150.8
12.5°	191.3	188.9	186.8	181.5	175.8	166.4	149.6	132.0	121.2	112.6	113.2
15°	201.4	199.1	195.8	187.8	176.1	151.5	116.4	89.3	76.1	69.1	68.8
17.5°	212.3	209.0	203.6	192.8	166.7	115.8	75.7	53.5	46.5	44.1	43.5
20°	222.5	218.5	211.7	193.9	139.3	78.4	47.3	41.4	40.2	39.5	39.5
22.5°	233.3	228.2	218.2	185.7	103.6	50.2	40.2	38.9	38.0	36.9	36.8
25°	244.3	237.7	224.0	164.6	67.9	39.5	37.7	36.2	34.5	32.9	32.4
27.5°	253.6	245.1	228.5	133.0	43.5	35.6	34.4	31.8	29.6	27.8	27.5
30°	264.7	253.8	230.5	97.3	34.2	31.4	29.6	26.9	24.2	22.4	21.8
32.5°	279.6	267.6	227.5	63.4	30.3	27.6	24.8	21.6	18.9	17.0	16.7
35°	302.7	288.4	213.7	40.4	27.5	23.9	20.4	17.1	14.9	13.4	13.1
37.5°	330.9	317.7	191.0	30.3	24.6	20.7	16.7	13.5	11.9	10.8	10.5
40°	372.8	354.4	162.9	26.6	21.8	17.6	13.7	11.1	9.9	9.0	8.7
42.5°	427.2	397.6	130.6	24.2	19.1	14.7	11.1	9.2	8.1	7.5	7.4
45°	490.7	439.8	96.6	21.8	16.5	12.2	9.2	7.5	6.8	6.3	6.2
47.5°	555.7	476.7	66.7	19.2	14.1	10.1	7.7	6.5	5.9	5.3	5.1
50°	625.1	508.0	45.5	16.7	12.0	8.3	6.6	5.9	5.1	4.7	4.5
52.5°	676.0	519.5	31.7	14.4	10.2	7.1	5.9	5.3	4.7	4.1	3.9
55°	723.0	519.2	24.0	12.2	8.7	6.2	5.3	4.7	4.1	3.6	3.5
57.5°	769.9	515.2	18.9	10.4	7.5	5.6	4.7	4.1	3.8	3.2	3.0
60°	800.2	499.9	14.7	8.7	6.5	4.8	4.1	3.6	3.2	2.7	2.6
62.5°	816.2	478.5	11.3	6.9	5.3	4.2	3.6	3.2	2.7	2.3	2.1
65°	794.5	440.7	8.9	5.4	4.1	3.6	3.0	2.6	2.1	1.7	1.5
67.5°	697.9	371.6	6.9	4.4	3.2	2.7	2.6	2.1	1.5	1.2	1.1
70°	493.3	254.5	5.4	3.3	2.4	2.1	2.0	1.7	1.2	0.9	0.8
72.5°	270.7	128.4	3.9	2.4	1.8	1.7	1.5	1.4	1.1	0.8	0.8
75°	104.2	35.3	2.9	1.7	1.2	1.2	1.1	1.1	0.9	0.6	0.6
77.5°	27.2	10.5	1.8	1.1	0.8	0.8	0.8	0.6	0.6	0.5	0.5
80°	8.7	3.5	1.1	0.8	0.6	0.5	0.5	0.3	0.5	0.3	0.3
82.5°	2.9	1.2	0.6	0.6	0.5	0.3	0.3	0.2	0.2	0.0	0.0
85°	1.1	0.6	0.5	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0
87.5°	0.6	0.3	0.3	0.3	0.3	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)