

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: P628867

Luminaire Tested: GWS-SA1A-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628867
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2130.1 lumens
Efficiency: N/A
Efficacy: 108.1 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

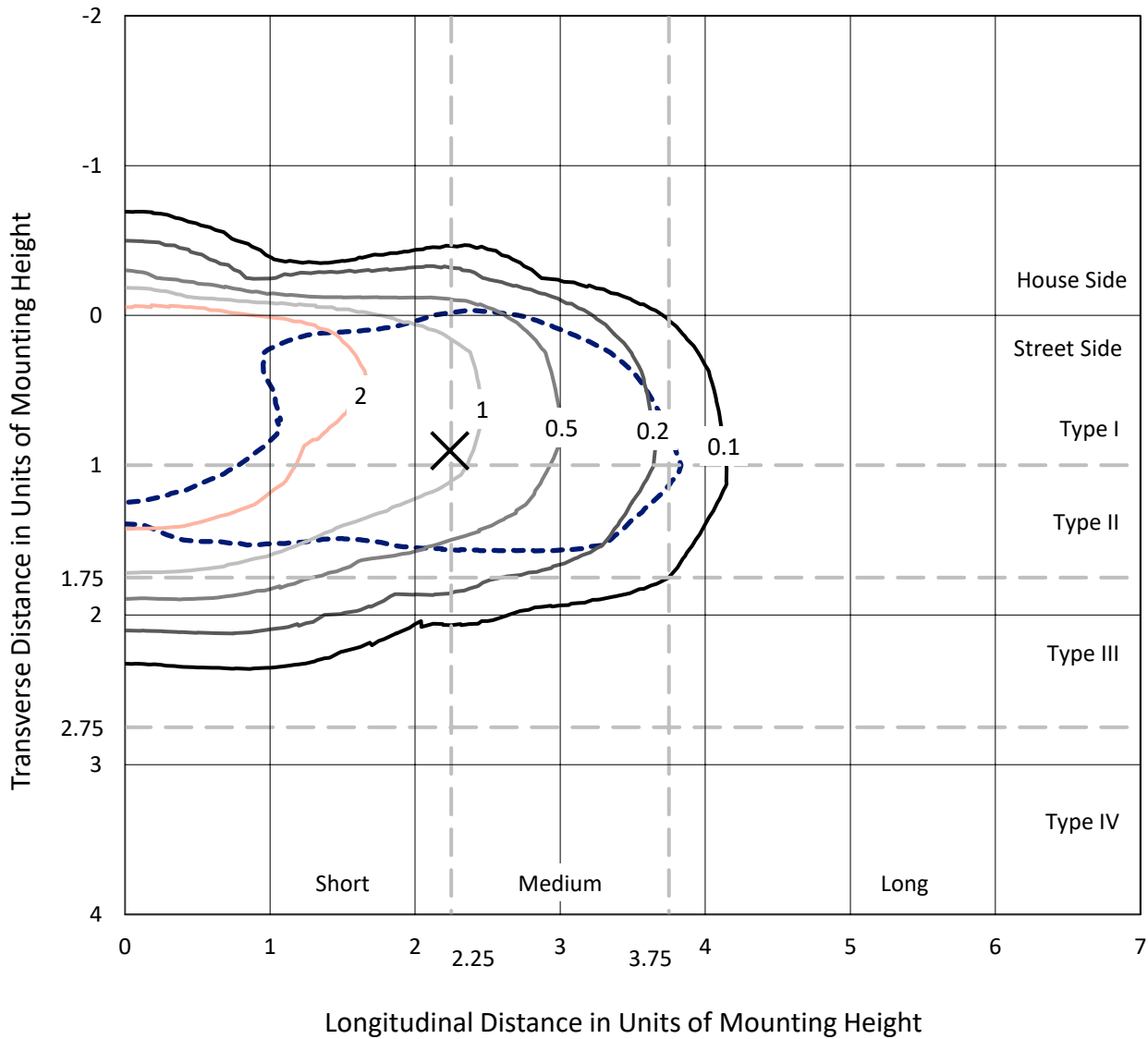
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

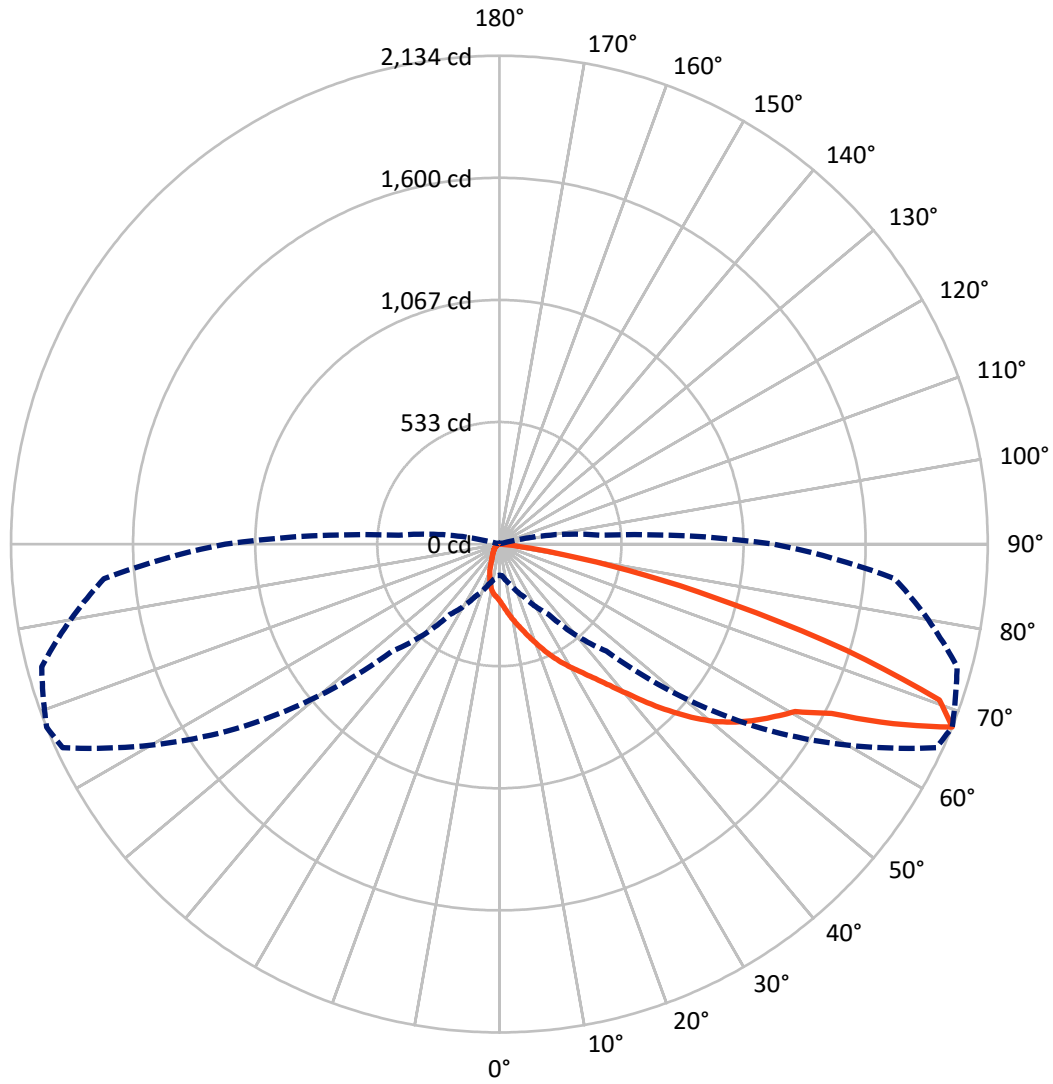
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 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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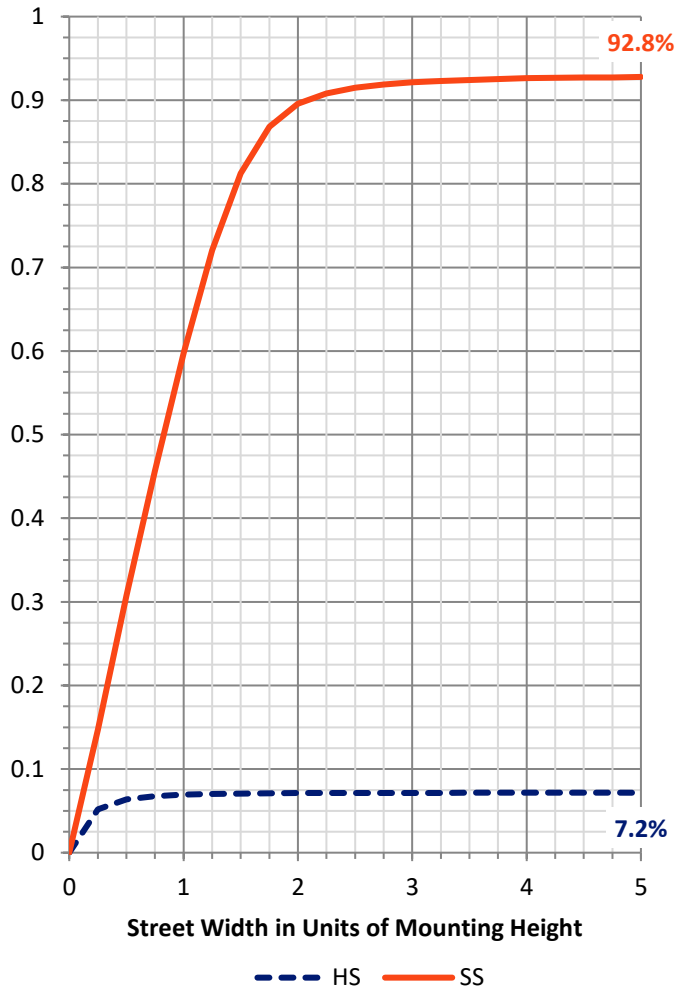
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	153.8	0.0	153.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	1976.3	0.0	1976.3
	% Fixture	92.8	0.0	92.8
Total	Lumens	2130.1	0.0	2130.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	1.1
10°-20°	69.4	3.3
20°-30°	119.3	5.6
30°-40°	207.4	9.7
40°-50°	362.0	17.0
50°-60°	545.9	25.6
60°-70°	547.4	25.7
70°-80°	241.5	11.3
80°-90°	12.9	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°	2130.1	100.0
0°-180°	2130.1	100.0

Coefficient of Utilization



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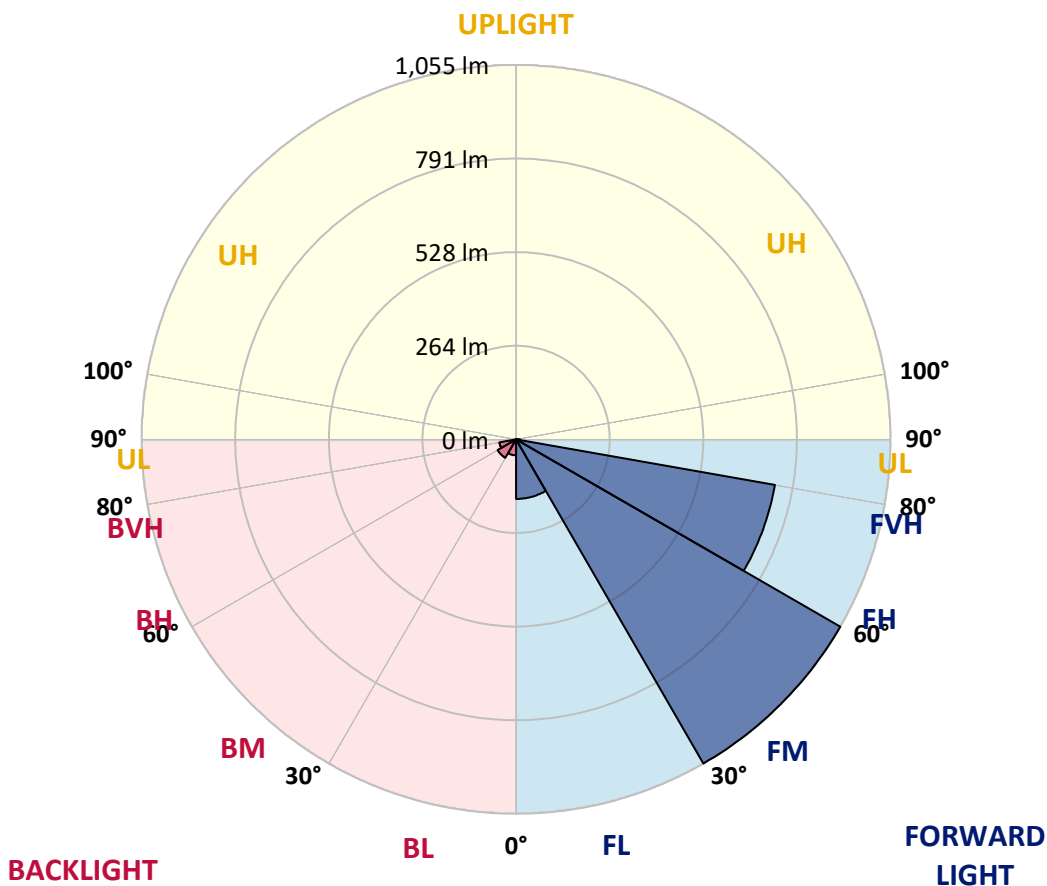
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.9	7.9			
FM (30°-60°)	1055.3	49.5			
FH (60°-80°)	740.9	34.8			G1/1800
FVH (80°-90°)	12.2	0.6			G1/100
BL (0°-30°)	45.0	2.1	B0/110		
BM (30°-60°)	60.1	2.8	B0/220		
BH (60°-80°)	48.0	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°	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9
2.5°	288.7	290.5	288.7	289.1	283.8	281.3	276.0	268.7	266.8	262.2	255.0
5°	323.9	325.6	323.7	323.3	317.2	312.7	304.0	291.3	287.6	278.5	264.4
7.5°	343.1	344.1	344.7	345.7	343.5	339.8	331.9	316.2	312.3	297.4	277.7
10°	345.1	345.9	349.0	355.1	359.6	361.8	357.4	342.9	336.8	322.3	294.0
12.5°	339.4	340.6	345.5	355.7	368.2	379.6	382.4	369.8	364.3	345.7	313.1
15°	331.9	332.9	339.6	353.5	372.2	393.2	405.1	399.6	393.4	374.1	334.3
17.5°	320.3	321.7	331.1	349.8	374.1	404.0	429.5	431.4	427.1	406.1	357.8
20°	313.7	314.8	323.1	342.5	372.9	412.0	452.4	469.7	465.0	443.0	384.7
22.5°	319.2	320.1	325.6	340.6	368.8	416.5	473.6	508.0	505.4	482.5	413.0
25°	348.2	350.8	347.6	350.2	370.6	418.9	490.7	546.3	546.9	523.9	442.4
27.5°	406.9	403.4	395.7	382.4	384.9	425.4	505.4	582.4	587.7	564.3	468.5
30°	466.6	464.6	459.9	439.3	422.2	439.9	517.8	619.3	627.7	604.0	491.7
32.5°	533.7	535.7	527.4	502.7	473.6	469.3	530.6	654.4	670.1	649.1	519.0
35°	613.8	614.4	597.9	570.6	537.6	517.8	553.7	693.1	722.1	706.6	555.5
37.5°	691.9	695.6	686.6	643.6	614.2	578.1	591.8	742.9	783.6	777.5	601.4
40°	761.0	766.7	763.9	722.3	683.7	653.4	650.9	801.2	858.0	865.0	661.9
42.5°	816.0	819.7	821.9	792.4	758.3	741.2	723.9	868.8	945.9	974.2	736.1
45°	874.1	875.4	880.0	860.1	830.3	831.7	810.1	951.0	1038.4	1095.3	821.3
47.5°	948.1	952.2	950.0	929.0	902.1	918.2	899.2	1035.6	1129.8	1224.6	908.6
50°	1038.2	1042.5	1040.5	1016.0	986.1	992.8	981.0	1117.7	1217.8	1346.5	981.2
52.5°	1084.7	1088.2	1113.5	1124.5	1108.8	1066.0	1050.7	1208.1	1292.2	1446.8	1047.8
55°	1062.3	1064.7	1119.8	1166.3	1223.8	1180.9	1120.8	1277.8	1357.9	1525.1	1097.4
57.5°	969.3	982.6	1057.4	1136.1	1257.0	1294.5	1234.6	1353.6	1421.1	1579.5	1146.1
60°	778.7	778.1	885.3	1026.6	1192.2	1325.7	1395.2	1456.1	1484.5	1621.3	1211.3
62.5°	430.3	434.2	576.9	763.0	1011.9	1245.0	1515.7	1633.3	1629.0	1694.3	1313.4
65°	214.3	222.0	299.5	437.1	673.3	1028.9	1536.5	1903.6	1891.4	1866.1	1524.4
67.5°	136.0	139.0	181.8	254.0	374.3	661.3	1407.0	2105.2	2133.6	2070.0	1733.8
70°	88.1	93.2	126.4	173.7	225.9	340.8	1030.7	1974.6	2039.6	2047.5	1603.3
72.5°	47.9	51.6	80.7	123.9	163.1	170.4	579.0	1481.8	1586.4	1736.9	1254.3
75°	27.3	30.0	44.2	84.2	119.7	103.8	256.7	992.0	1058.6	1241.3	898.8
77.5°	16.5	18.8	24.9	41.0	75.0	69.3	97.0	603.8	646.2	740.6	471.7
80°	7.5	9.0	15.7	22.6	41.0	32.8	37.1	281.5	290.7	304.0	156.2
82.5°	3.5	4.1	7.1	13.5	23.2	19.0	14.3	65.0	91.5	86.6	39.8
85°	0.4	0.4	2.7	5.5	6.5	4.9	5.9	14.7	18.6	26.1	11.4
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	1.2	1.8	2.7	4.3	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°	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9	247.9
2.5°	251.8	246.1	241.0	233.4	228.3	222.6	218.7	214.0	212.2	210.8	208.7
5°	257.5	248.3	235.9	222.0	210.6	199.8	189.8	183.3	177.6	176.7	173.9
7.5°	266.8	253.2	232.2	209.6	190.2	172.3	158.2	146.8	141.1	139.2	136.0
10°	279.3	260.5	226.7	192.0	164.1	142.7	126.8	114.0	105.0	101.7	99.3
12.5°	293.1	267.3	217.9	170.4	138.6	114.2	94.0	80.3	74.6	72.6	70.7
15°	309.0	273.6	204.1	148.8	113.8	84.0	69.7	63.8	61.4	60.7	60.1
17.5°	324.3	277.7	187.5	126.4	87.5	65.2	58.5	56.3	55.7	55.0	54.6
20°	341.7	280.5	168.2	105.2	67.9	55.2	52.0	50.4	49.1	47.9	47.7
22.5°	359.4	280.5	147.2	84.4	56.9	49.5	45.9	42.8	40.6	39.3	38.9
25°	376.3	276.6	126.4	67.5	50.1	44.0	39.3	35.9	32.8	31.4	31.0
27.5°	388.3	266.6	108.2	57.1	45.5	39.1	33.4	29.6	27.1	25.7	25.5
30°	395.9	251.8	91.5	51.0	41.4	34.0	28.3	25.1	23.2	22.2	21.8
32.5°	401.6	233.4	76.7	46.7	37.5	29.6	24.7	22.0	20.4	19.6	19.4
35°	413.0	216.1	65.6	42.8	33.4	25.9	21.6	19.6	18.3	17.3	17.1
37.5°	428.9	201.6	56.9	39.3	29.6	23.0	19.6	17.7	16.7	15.7	15.5
40°	452.4	192.4	50.4	35.9	26.1	20.8	17.9	16.3	14.9	13.9	13.7
42.5°	488.4	188.2	46.1	32.4	23.0	18.8	16.5	14.5	13.0	12.0	11.8
45°	531.5	190.4	42.4	28.9	21.0	17.3	14.7	12.6	11.2	10.2	10.0
47.5°	577.5	198.4	39.3	25.7	19.0	15.9	13.0	10.8	9.6	8.6	8.4
50°	625.6	211.4	36.7	22.6	17.3	14.3	11.2	9.4	8.2	7.3	7.1
52.5°	667.4	229.1	34.0	20.4	15.9	12.6	9.8	8.2	6.9	6.1	5.9
55°	707.4	245.9	32.0	18.3	14.3	11.0	8.6	6.9	5.9	5.1	4.9
57.5°	750.8	263.6	29.6	16.5	12.8	9.8	7.5	5.9	5.1	4.3	4.1
60°	814.0	289.9	25.9	15.1	11.2	8.6	6.5	5.3	4.5	3.5	3.3
62.5°	905.1	337.8	21.8	13.0	9.6	7.3	5.5	4.5	3.7	2.9	2.4
65°	1075.5	419.3	17.9	10.8	7.7	6.1	4.7	3.7	2.9	2.0	1.8
67.5°	1198.3	440.5	14.5	8.8	6.3	4.7	3.9	2.9	2.0	1.4	1.2
70°	1047.6	316.4	11.2	7.1	5.3	3.7	3.1	2.2	1.4	1.0	0.8
72.5°	789.3	206.7	8.4	5.5	4.1	3.1	2.2	1.8	1.2	0.8	0.6
75°	556.3	119.5	6.1	4.1	2.9	2.2	1.8	1.4	1.0	0.6	0.6
77.5°	285.2	49.3	4.3	2.9	2.0	1.4	1.2	0.8	0.8	0.6	0.4
80°	86.6	16.3	2.4	1.8	1.4	1.0	0.6	0.6	0.6	0.4	0.2
82.5°	19.8	5.3	1.4	1.4	1.0	0.8	0.6	0.2	0.2	0.0	0.0
85°	5.1	1.6	1.2	1.0	1.0	0.8	0.4	0.2	0.0	0.0	0.0
87.5°	1.8	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)