

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: P629123

Luminaire Tested: GWS-SA1B-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2092.7 lumens
Efficiency: N/A
Efficacy: 83.7 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

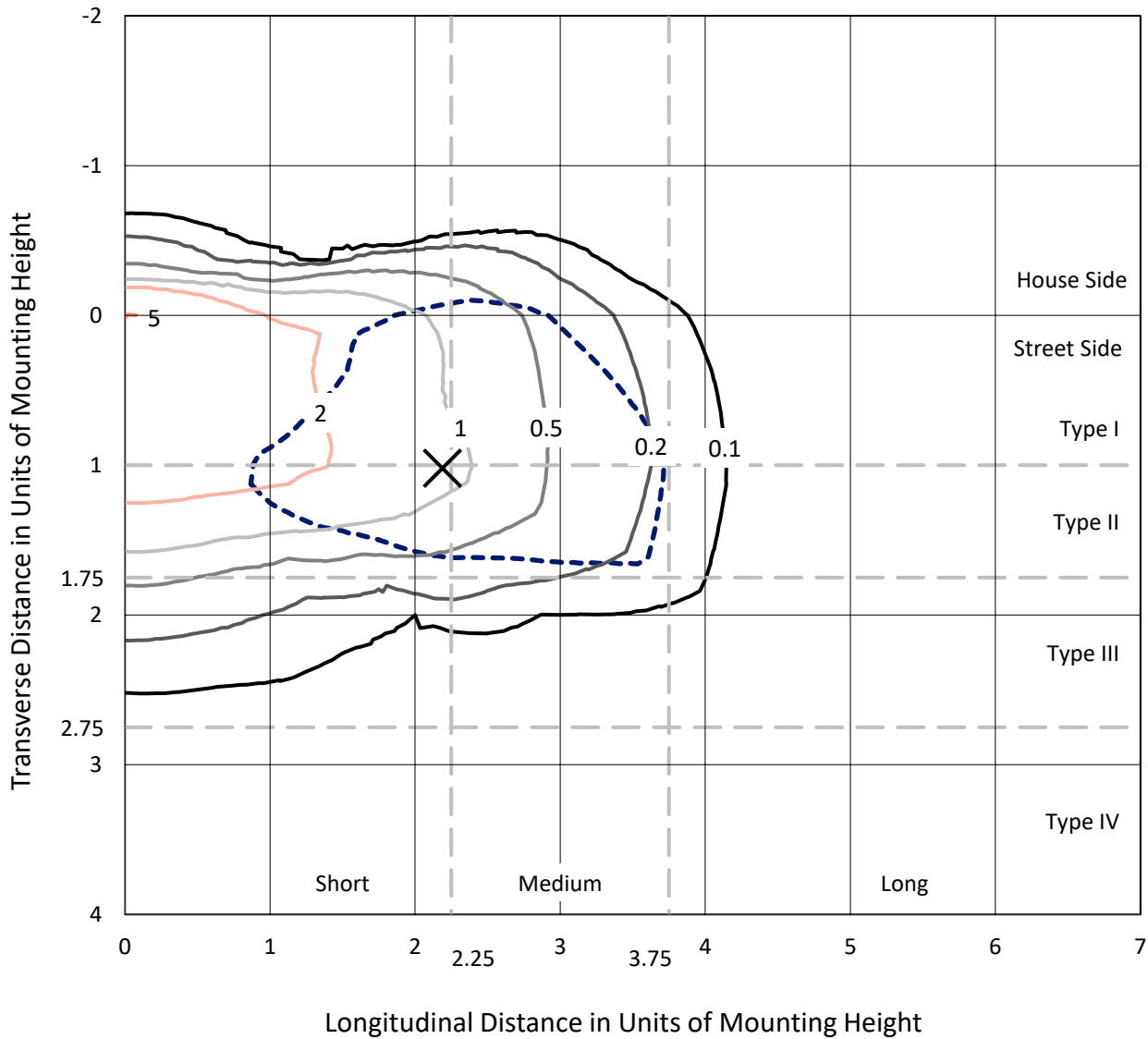
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

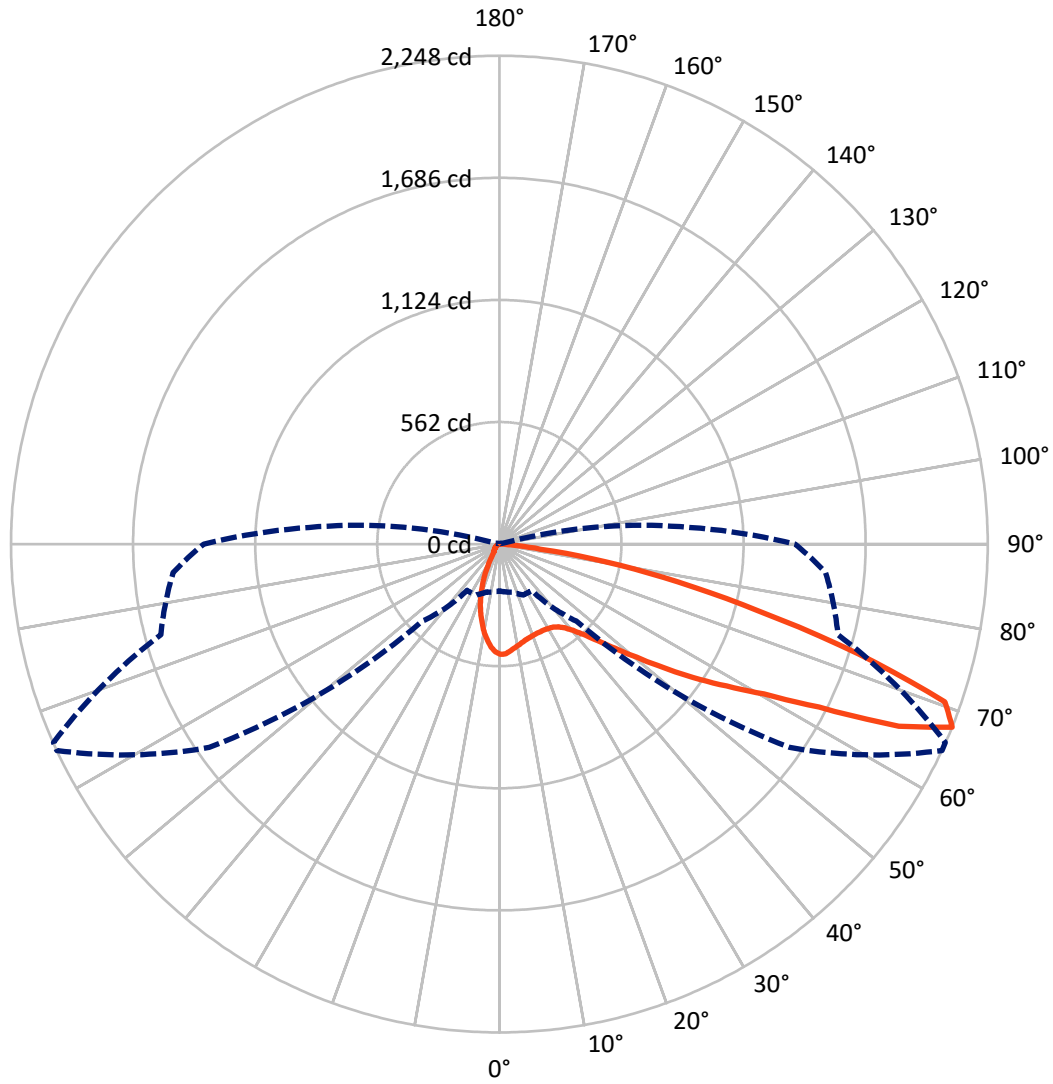
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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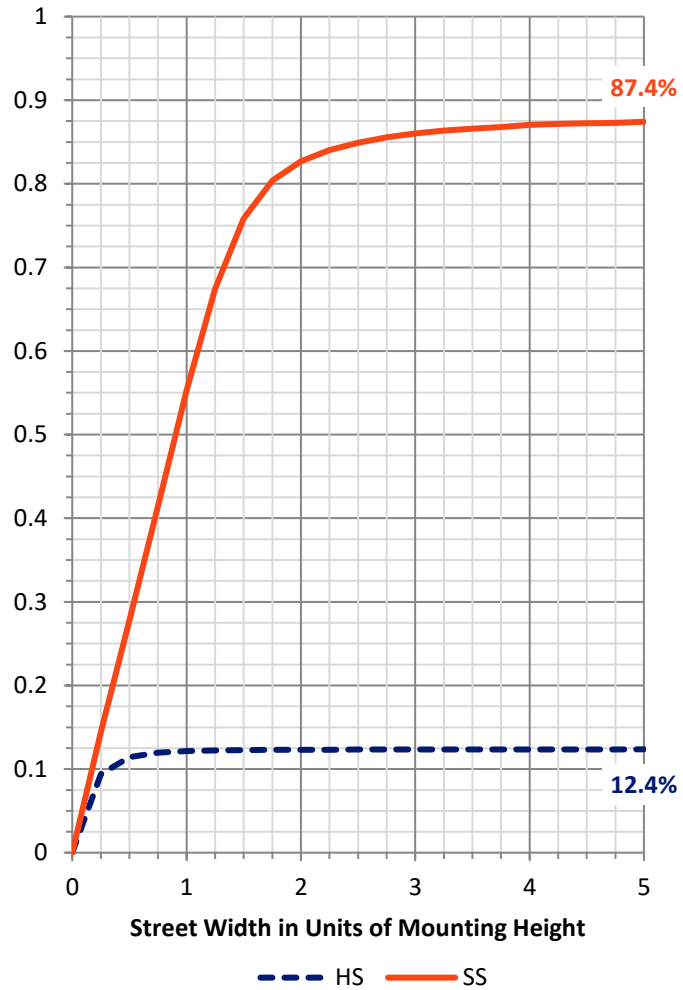
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	261.3	0.0	261.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	1831.4	0.0	1831.4
	% Fixture	87.5	0.0	87.5
Total	Lumens	2092.7	0.0	2092.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	2.0
10°-20°	94.8	4.5
20°-30°	135.4	6.5
30°-40°	197.0	9.4
40°-50°	308.5	14.7
50°-60°	481.3	23.0
60°-70°	528.7	25.3
70°-80°	281.4	13.4
80°-90°	23.4	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°	2092.7	100.0
0°-180°	2092.7	100.0

Coefficient of Utilization



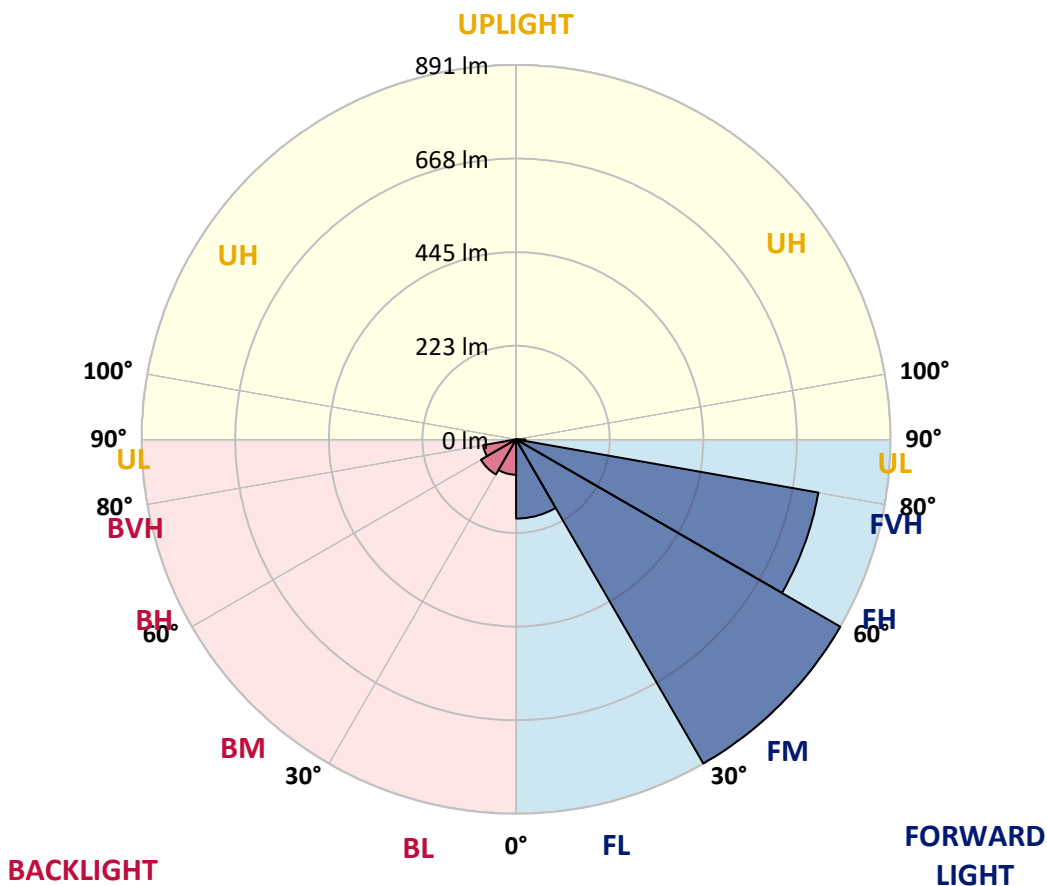
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.3	9.0			
FM (30°-60°)	890.6	42.6			
FH (60°-80°)	730.3	34.9			G1/1800
FVH (80°-90°)	22.2	1.1			G1/100
BL (0°-30°)	84.0	4.0	B0/110		
BM (30°-60°)	96.3	4.6	B0/220		
BH (60°-80°)	79.8	3.8	B0/110		G0/110
BVH (80°-90°)	1.2	0.1			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°	66°	75°	85°
0°	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5
2.5°	489.9	491.5	489.4	494.5	495.4	501.1	504.3	506.6	506.4	509.2	509.2
5°	461.2	462.7	461.6	467.0	471.4	480.3	487.7	496.2	496.6	505.3	508.5
7.5°	436.8	437.0	437.0	443.8	449.4	460.4	471.4	484.5	486.0	499.4	507.9
10°	416.7	417.3	417.5	425.2	431.5	444.7	458.7	474.4	476.1	494.3	507.5
12.5°	402.9	403.1	403.8	412.0	418.8	432.6	446.8	464.8	467.0	488.4	505.8
15°	396.3	395.9	396.3	403.1	409.9	423.1	437.7	457.0	459.5	483.5	506.0
17.5°	395.9	395.3	394.9	400.1	404.4	416.1	430.9	451.9	454.6	481.2	508.1
20°	401.4	401.0	399.1	401.4	402.3	412.0	426.6	447.9	450.6	480.9	512.7
22.5°	415.8	414.8	412.0	409.9	404.8	410.5	423.5	445.1	448.1	481.8	518.5
25°	437.1	436.8	433.2	428.1	415.0	412.7	423.7	445.1	447.9	482.9	524.8
27.5°	469.3	467.0	462.5	453.6	434.9	421.6	427.5	446.2	449.1	484.5	529.9
30°	502.1	501.9	500.4	491.3	463.5	438.7	435.4	449.3	451.9	485.8	534.6
32.5°	535.9	536.5	540.3	533.3	502.8	464.0	449.8	455.5	457.4	488.4	538.8
35°	568.1	569.2	579.3	581.7	550.7	502.4	473.3	468.0	468.2	494.3	544.3
37.5°	598.9	602.7	618.8	630.7	610.3	549.0	507.2	489.2	487.7	506.0	552.6
40°	634.0	641.2	661.4	681.6	675.2	610.5	553.3	521.7	518.5	527.6	567.5
42.5°	672.8	680.5	707.4	735.8	738.8	684.9	611.1	569.2	563.8	563.9	595.5
45°	714.4	724.8	756.0	796.9	815.3	767.8	682.2	633.4	627.9	619.8	640.6
47.5°	769.1	778.2	808.3	855.4	890.6	856.7	775.5	715.9	705.9	693.9	710.6
50°	816.2	824.1	850.1	909.1	982.4	971.4	881.3	819.0	809.4	789.1	803.0
52.5°	826.6	832.9	856.7	923.1	1052.6	1116.1	1010.9	943.7	936.9	899.5	904.8
55°	779.9	789.3	810.7	884.5	1070.9	1257.7	1179.2	1084.4	1070.2	1010.4	1019.8
57.5°	661.8	678.6	698.7	794.6	1021.1	1333.0	1414.2	1233.3	1220.4	1117.1	1117.3
60°	485.0	498.7	512.1	599.9	903.1	1327.9	1627.5	1400.6	1377.1	1204.3	1201.1
62.5°	352.7	359.7	359.6	390.8	620.1	1240.5	1739.5	1652.6	1598.0	1297.6	1279.3
65°	277.4	277.2	285.4	295.6	346.3	957.6	1753.3	2020.7	1961.7	1422.7	1384.5
67.5°	215.9	220.1	228.2	258.3	260.2	501.1	1631.8	2248.4	2247.2	1613.7	1507.7
70°	166.5	172.2	183.8	227.7	240.3	280.5	1221.0	2176.3	2194.6	1699.0	1420.4
72.5°	106.9	106.5	123.6	183.9	230.9	233.7	675.2	1728.7	1749.5	1538.9	1148.5
75°	59.8	60.2	69.8	112.6	215.2	219.9	334.4	1232.7	1249.2	1199.8	882.4
77.5°	23.5	24.2	32.7	59.2	141.9	196.4	198.7	840.6	843.1	743.5	541.2
80°	9.5	10.0	16.7	36.7	86.5	132.3	141.9	495.2	485.2	287.8	157.4
82.5°	2.8	3.0	6.6	20.8	45.2	94.1	95.8	190.0	179.4	61.9	40.1
85°	0.2	0.2	1.5	6.4	16.1	23.7	63.8	61.9	54.9	15.5	17.8
87.5°	0.0	0.0	0.2	0.2	0.4	0.8	6.8	11.4	11.5	2.8	7.9
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°	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5
2.5°	509.2	502.4	501.9	496.6	491.3	484.6	476.9	471.2	467.2	460.2	458.9
5°	508.5	499.4	490.9	475.8	458.9	440.7	424.8	410.1	400.8	394.6	391.9
7.5°	507.0	495.4	475.8	447.2	419.0	387.2	362.4	339.7	324.2	315.1	311.1
10°	505.8	490.3	458.3	415.0	371.3	327.4	289.7	256.0	237.3	222.5	220.1
12.5°	503.6	482.9	436.0	377.3	321.0	262.7	214.6	173.3	144.8	131.9	127.4
15°	501.3	475.2	413.7	337.6	266.1	194.2	135.9	96.1	76.5	70.4	70.0
17.5°	500.9	468.2	389.5	299.9	208.5	127.2	77.4	62.3	58.1	56.6	56.6
20°	502.1	462.3	365.6	256.6	152.0	77.4	57.7	53.9	51.5	50.1	50.1
22.5°	503.2	456.3	342.7	212.9	100.9	56.6	50.9	47.7	44.9	43.3	42.6
25°	504.0	449.6	317.4	169.0	65.9	49.2	44.7	40.5	37.1	35.2	35.2
27.5°	503.8	441.7	291.8	126.0	51.1	43.7	38.2	33.9	30.5	28.4	28.6
30°	502.2	433.0	265.3	88.0	44.7	38.2	32.7	28.2	24.8	23.1	22.9
32.5°	501.1	423.7	234.7	61.9	40.1	33.5	27.8	23.5	20.6	19.3	19.1
35°	499.8	414.6	205.5	47.1	36.1	29.0	23.5	19.9	17.6	16.5	16.5
37.5°	500.2	405.2	173.9	40.5	32.2	25.2	20.1	17.0	15.1	14.0	13.8
40°	506.0	399.5	142.9	36.7	28.6	21.8	17.4	14.8	12.9	11.7	11.5
42.5°	520.6	399.7	113.2	33.9	25.4	18.5	15.1	12.7	11.0	9.7	9.5
45°	549.7	407.6	86.9	30.8	22.0	16.1	13.1	10.8	9.1	7.9	7.8
47.5°	597.4	431.3	65.9	28.2	19.1	14.0	11.2	9.1	7.6	6.6	6.4
50°	673.3	474.0	51.9	25.0	16.1	12.1	9.5	7.6	6.2	5.3	5.1
52.5°	764.5	538.2	44.5	22.1	13.8	10.6	8.1	6.2	5.1	4.4	4.2
55°	869.4	614.8	41.1	19.3	11.7	9.1	6.6	5.1	4.2	3.6	3.2
57.5°	965.5	683.9	40.9	16.5	10.0	7.8	5.5	4.4	3.6	2.8	2.6
60°	1059.2	741.6	38.4	13.6	8.7	6.4	4.7	3.6	3.0	2.5	2.3
62.5°	1144.2	788.6	32.2	11.0	7.4	5.3	4.0	3.2	2.6	2.1	2.1
65°	1250.9	848.4	24.6	8.9	6.1	4.4	3.4	2.8	2.5	1.9	1.9
67.5°	1361.2	880.0	17.6	7.4	4.9	3.8	3.0	2.6	2.1	1.7	1.7
70°	1232.9	743.5	12.7	6.1	4.2	3.2	2.6	2.5	2.1	1.7	1.5
72.5°	962.9	536.1	9.5	4.7	3.6	3.0	2.5	2.3	1.9	1.5	1.5
75°	714.0	312.6	7.2	3.8	2.8	2.5	2.5	2.3	1.9	1.5	1.3
77.5°	388.1	109.0	5.5	3.0	2.3	1.9	2.1	2.1	1.7	1.3	1.1
80°	102.8	29.9	3.8	2.3	1.9	1.5	1.5	1.9	1.5	1.1	1.1
82.5°	29.9	8.7	2.6	1.9	1.5	1.3	1.3	1.3	1.1	0.9	0.8
85°	14.6	3.2	1.9	1.5	1.3	1.1	0.9	0.9	0.8	0.6	0.6
87.5°	6.4	1.3	1.5	1.3	1.3	0.9	0.8	0.6	0.6	0.4	0.2
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)