

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: P628901

Luminaire Tested: GWS-SA1A-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1708.1 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

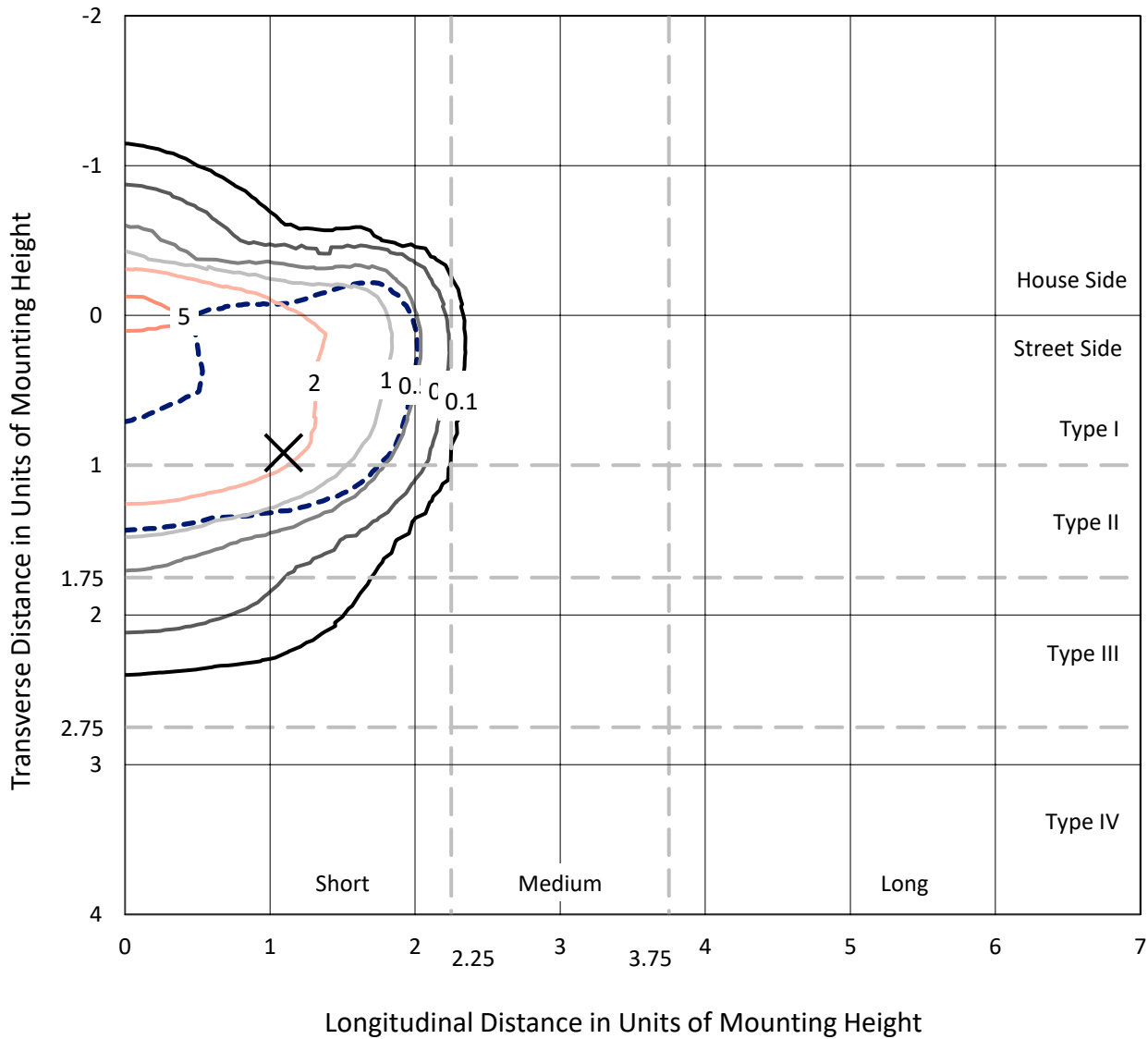
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

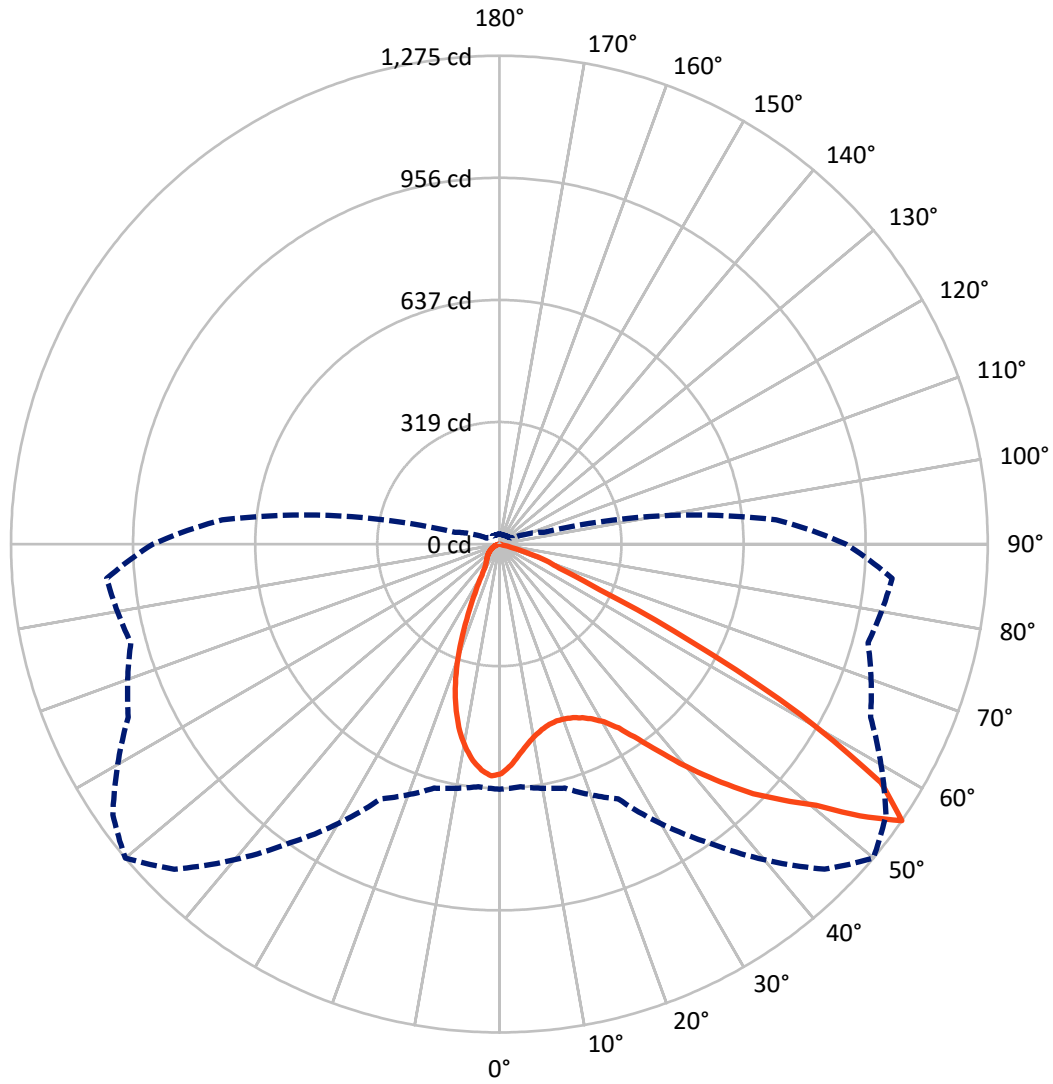
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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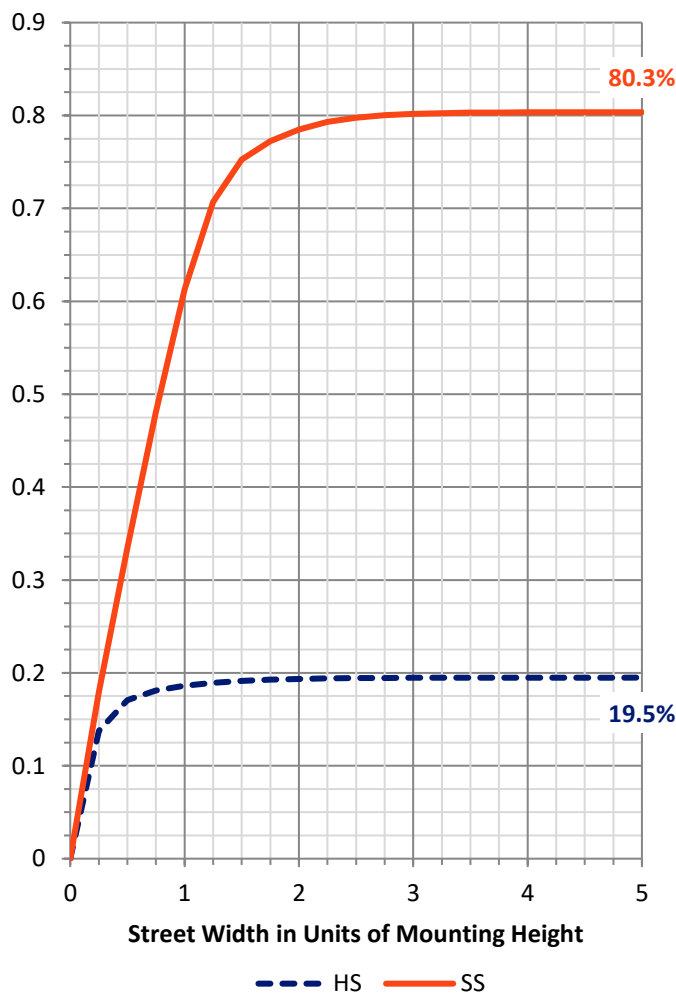
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	336.6	0.0	336.6
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	1371.5	0.0	1371.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	1708.1	0.0	1708.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	3.1
10°-20°	129.5	7.6
20°-30°	182.7	10.7
30°-40°	270.3	15.8
40°-50°	390.0	22.8
50°-60°	460.1	26.9
60°-70°	205.2	12.0
70°-80°	17.6	1.0
80°-90°	0.0	0.0
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°	1708.1	100.0
0°-180°	1708.1	100.0

Coefficient of Utilization



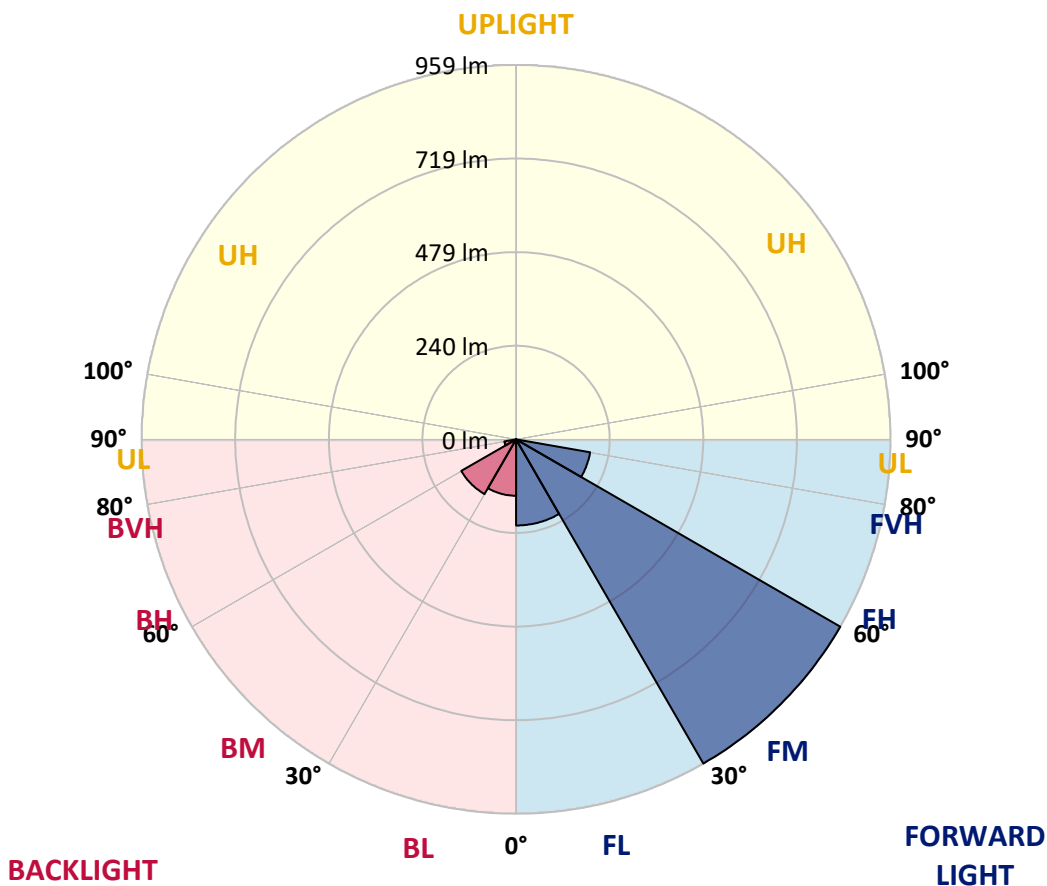
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.5	12.9			
FM (30°-60°)	958.5	56.1			
FH (60°-80°)	192.5	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	144.3	8.4	B1/500		
BM (30°-60°)	161.9	9.5	B0/220		
BH (60°-80°)	30.4	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3
2.5°	556.8	557.2	557.4	563.0	565.1	573.4	577.8	580.1	586.2	593.2	599.1
5°	519.4	518.8	519.8	526.9	531.5	543.8	550.5	555.1	568.4	585.1	599.1
7.5°	486.9	488.2	489.4	497.1	504.0	517.3	526.9	533.8	552.4	577.2	600.8
10°	464.0	464.0	465.8	474.6	482.7	499.2	508.8	517.6	539.7	570.1	602.6
12.5°	447.1	447.3	449.6	459.6	469.0	486.1	496.1	504.6	529.0	563.0	603.0
15°	439.2	438.5	440.4	451.0	461.5	477.5	487.9	496.3	521.5	559.1	605.1
17.5°	437.1	436.6	438.1	448.5	459.2	474.8	485.0	493.4	520.5	560.3	611.4
20°	443.1	442.3	441.7	450.6	460.6	476.1	486.7	496.1	525.5	567.2	621.0
22.5°	457.5	457.5	456.0	460.4	467.1	481.1	492.1	504.4	538.6	580.9	635.2
25°	484.0	481.9	479.2	481.1	480.2	489.0	502.1	519.2	563.4	603.7	652.5
27.5°	514.2	516.1	511.5	511.7	504.4	501.3	516.5	542.4	600.3	635.8	678.1
30°	555.3	553.8	554.0	553.4	536.5	521.7	538.2	572.6	646.8	684.8	711.5
32.5°	587.4	589.5	596.4	600.3	578.2	554.5	572.0	613.7	699.8	740.7	752.4
35°	621.4	625.2	639.1	652.1	633.5	606.2	624.9	668.1	749.6	795.9	799.3
37.5°	657.3	664.8	681.5	704.2	701.3	677.1	694.2	732.1	788.8	829.3	838.1
40°	698.3	705.6	733.0	765.7	772.6	767.2	772.8	794.9	814.7	830.8	854.7
42.5°	743.4	753.4	788.0	831.8	857.7	862.5	849.3	847.0	826.0	814.1	851.2
45°	796.6	808.2	847.4	904.2	945.2	951.7	929.0	899.6	833.1	801.8	840.6
47.5°	856.2	867.2	906.2	974.4	1035.5	1038.0	998.4	951.1	854.1	816.0	848.7
50°	876.2	883.1	916.9	997.0	1109.6	1128.7	1071.4	1009.0	896.4	857.7	888.3
52.5°	807.4	810.1	839.5	920.4	1094.5	1217.8	1177.9	1095.6	971.7	921.3	949.4
55°	639.8	635.4	659.1	733.4	951.3	1199.6	1274.5	1231.5	1068.7	995.9	1028.9
57.5°	447.5	442.3	436.9	487.1	709.8	1017.0	1174.4	1250.5	1161.1	1069.9	1114.6
60°	367.8	362.8	336.6	313.4	429.1	730.2	902.1	1045.3	1153.6	1066.2	1111.8
62.5°	317.8	314.9	304.2	272.7	252.5	416.8	564.9	702.1	885.2	837.2	839.7
65°	249.6	248.8	256.1	259.4	223.3	230.6	288.2	364.9	478.6	451.2	427.9
67.5°	170.6	168.7	182.5	224.4	214.8	182.0	168.7	170.2	207.1	126.6	100.5
70°	108.4	104.1	104.3	139.1	174.7	143.7	130.1	114.5	103.0	18.8	21.3
72.5°	69.4	66.7	57.3	62.8	80.9	70.1	70.7	60.9	40.7	10.0	11.7
75°	29.2	26.9	20.6	16.5	16.3	10.2	9.0	8.3	5.6	5.6	6.0
77.5°	0.2	0.0	0.0	0.2	0.4	0.2	0.2	0.4	0.8	1.3	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3	599.3
2.5°	602.6	597.6	603.3	605.3	605.1	605.3	599.3	595.1	594.9	589.7	587.2
5°	604.9	601.0	605.1	602.4	596.0	587.8	577.0	567.6	563.4	557.4	554.5
7.5°	609.3	605.1	604.5	593.7	577.6	560.5	541.3	524.2	515.1	504.0	504.6
10°	612.4	607.6	599.5	577.4	550.7	523.4	494.8	469.4	453.3	438.5	436.0
12.5°	613.7	606.6	587.6	554.3	516.7	481.1	439.2	402.9	377.8	358.5	355.7
15°	616.0	604.5	572.4	526.3	474.8	424.3	371.0	321.3	288.2	265.9	267.7
17.5°	619.5	602.2	555.3	495.0	429.8	358.5	286.3	229.4	198.9	186.0	186.2
20°	624.5	599.5	536.5	460.6	375.8	284.0	200.2	157.2	148.7	148.3	147.6
22.5°	631.2	596.8	516.5	422.9	311.7	198.9	133.2	119.9	123.4	130.3	131.6
25°	639.1	593.5	494.2	380.3	241.9	130.5	99.9	97.8	106.3	115.5	117.6
27.5°	651.4	591.8	468.8	332.0	169.7	93.6	81.7	83.0	90.7	98.4	100.3
30°	672.3	594.9	441.0	277.8	109.1	74.7	70.9	72.8	76.9	80.9	82.6
32.5°	700.6	604.1	414.1	218.5	77.8	64.9	64.0	65.1	66.7	69.0	69.6
35°	733.8	619.9	386.4	156.4	64.2	59.2	58.4	58.4	59.2	59.6	59.8
37.5°	761.1	636.6	360.3	104.1	57.6	54.8	53.6	53.0	52.8	53.2	53.4
40°	773.0	643.5	332.0	75.7	52.8	50.9	49.0	47.1	47.1	48.6	48.8
42.5°	764.7	635.8	299.2	62.6	49.4	46.7	43.8	42.1	43.0	44.4	44.8
45°	746.9	616.8	263.2	55.3	46.1	42.5	39.2	38.2	39.0	40.9	41.3
47.5°	744.0	604.3	220.0	50.5	42.5	39.0	35.4	34.4	35.4	36.9	37.3
50°	773.0	615.1	172.0	46.3	39.2	35.2	32.3	31.3	31.9	32.7	33.2
52.5°	826.0	655.4	138.9	42.3	35.2	31.5	29.6	28.4	28.4	29.2	29.4
55°	904.2	725.7	119.9	37.7	30.7	28.6	26.9	25.6	25.6	26.1	26.3
57.5°	994.2	810.7	124.3	31.7	26.9	25.9	24.4	23.4	23.8	23.8	23.8
60°	981.7	804.5	133.0	26.7	23.8	23.4	22.1	21.7	22.7	21.9	21.5
62.5°	723.2	555.7	69.6	21.9	20.4	20.0	19.2	20.0	21.5	19.2	18.4
65°	351.2	269.0	27.9	17.9	17.3	16.9	16.5	17.7	18.6	15.0	14.2
67.5°	82.6	67.1	18.1	15.2	14.4	13.6	14.0	14.2	13.6	10.2	9.8
70°	21.5	21.1	14.2	12.7	11.5	10.6	10.6	10.4	9.0	6.5	6.0
72.5°	11.7	11.5	10.2	9.6	7.9	7.1	7.3	6.5	5.0	3.8	3.5
75°	5.8	6.3	5.8	5.4	4.4	4.0	4.0	3.5	2.5	1.5	1.5
77.5°	1.3	1.5	1.5	1.3	1.0	0.8	0.8	1.0	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)