

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: P628626

Luminaire Tested: GWS-SA1A-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628626
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1230 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

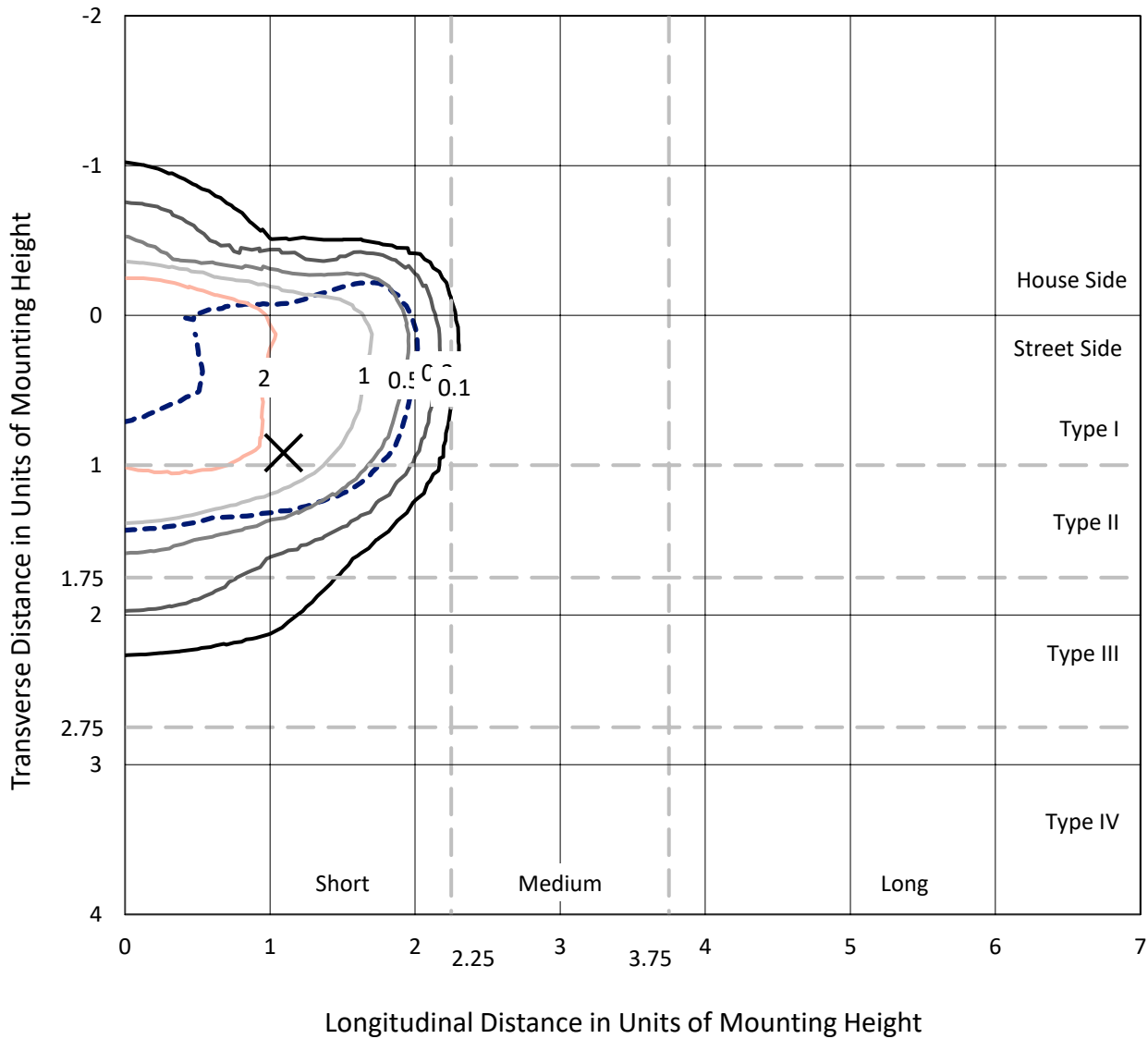
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

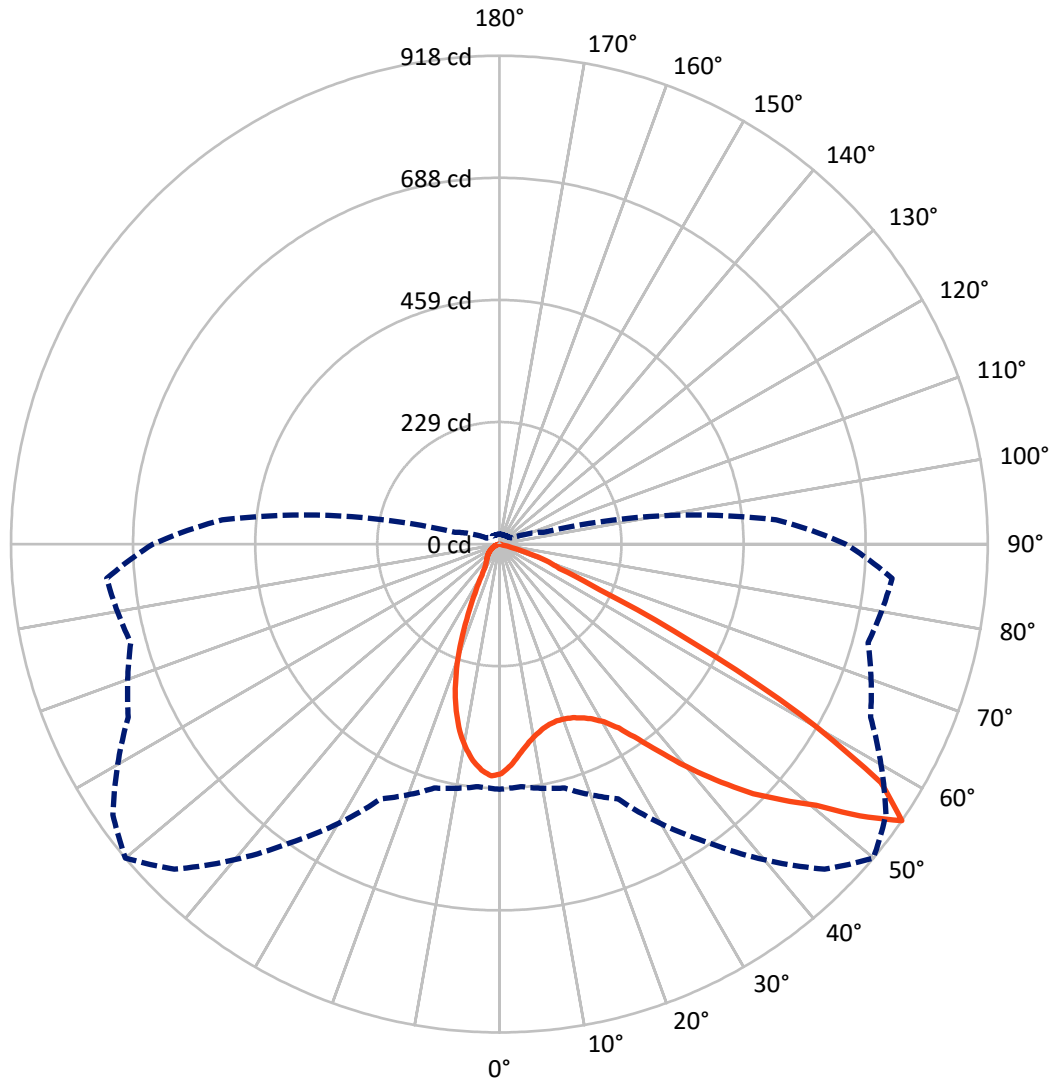
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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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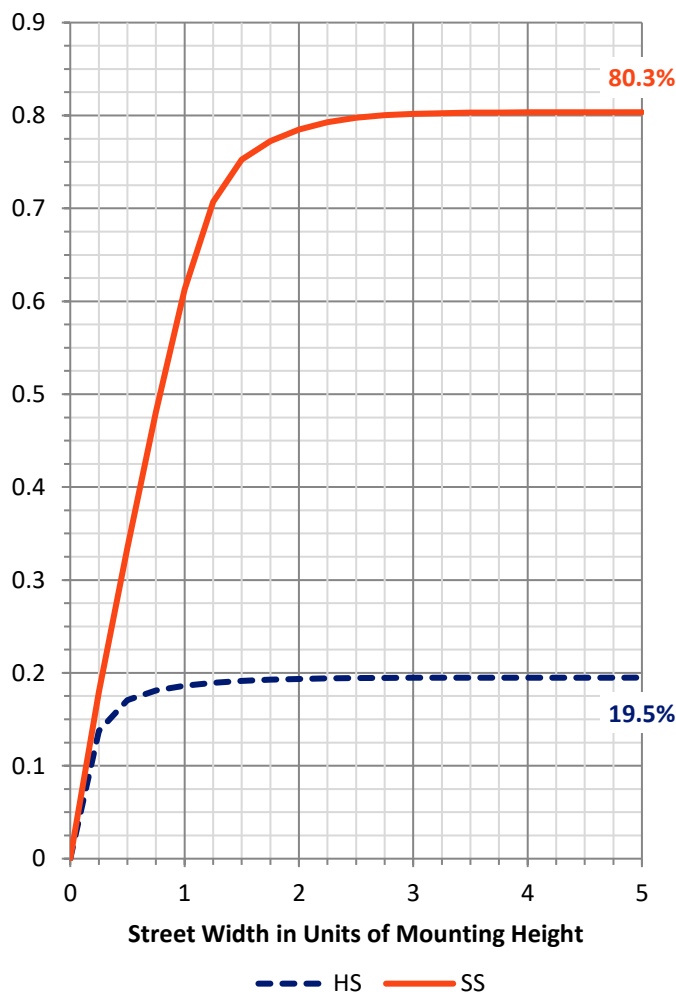
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	242.4	0.0	242.4
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	987.6	0.0	987.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	1230.0	0.0	1230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	3.1
10°-20°	93.3	7.6
20°-30°	131.6	10.7
30°-40°	194.7	15.8
40°-50°	280.8	22.8
50°-60°	331.3	26.9
60°-70°	147.8	12.0
70°-80°	12.7	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°	1230.0	100.0
0°-180°	1230.0	100.0

Coefficient of Utilization



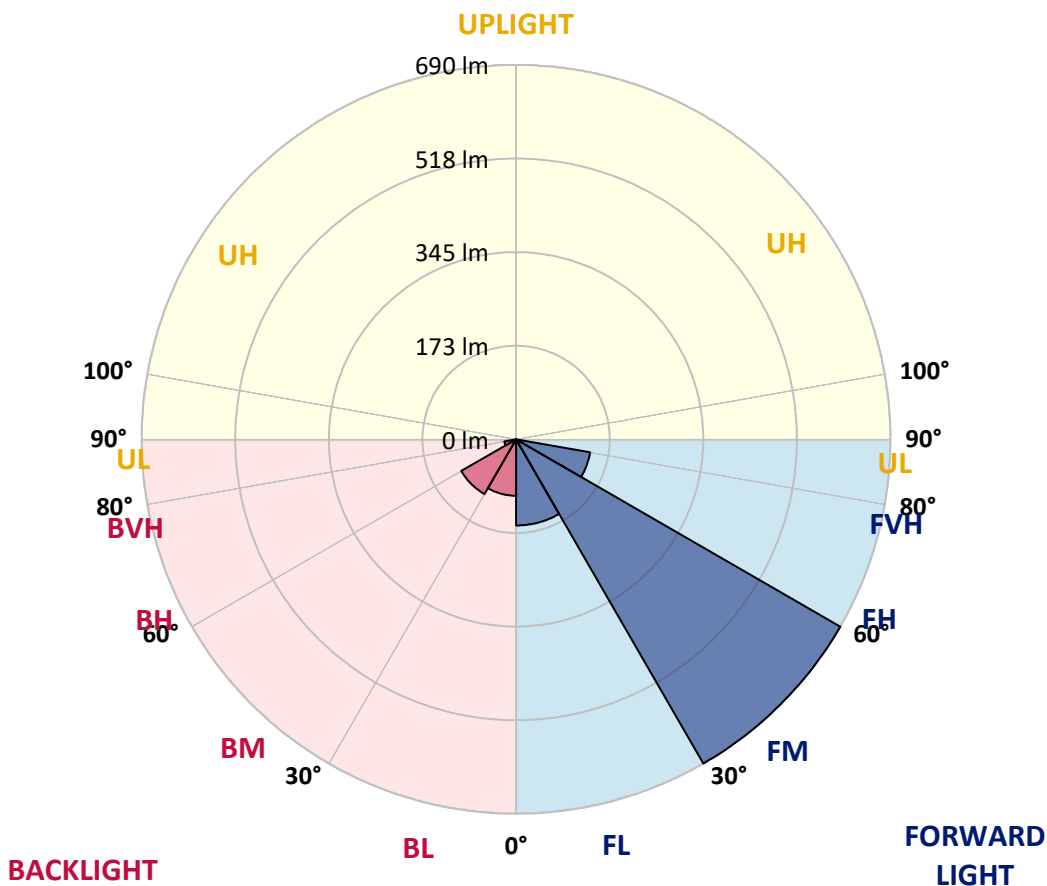
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.8	12.9			
FM (30°-60°)	690.2	56.1			
FH (60°-80°)	138.6	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	103.9	8.4	B0/110		
BM (30°-60°)	116.6	9.5	B0/220		
BH (60°-80°)	21.9	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: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6
2.5°	400.9	401.2	401.4	405.4	406.9	412.9	416.1	417.7	422.1	427.2	431.4
5°	374.0	373.6	374.3	379.4	382.8	391.6	396.4	399.7	409.3	421.3	431.4
7.5°	350.6	351.5	352.4	358.0	362.9	372.5	379.4	384.4	397.8	415.6	432.6
10°	334.1	334.1	335.5	341.8	347.6	359.5	366.4	372.7	388.6	410.5	434.0
12.5°	321.9	322.1	323.7	330.9	337.7	350.0	357.2	363.4	380.9	405.4	434.3
15°	316.2	315.8	317.1	324.8	332.3	343.9	351.4	357.4	375.5	402.6	435.8
17.5°	314.7	314.4	315.5	323.0	330.6	341.9	349.3	355.3	374.8	403.5	440.3
20°	319.1	318.5	318.0	324.5	331.7	342.8	350.5	357.2	378.4	408.4	447.2
22.5°	329.4	329.4	328.4	331.5	336.4	346.4	354.4	363.2	387.9	418.3	457.4
25°	348.5	347.0	345.1	346.4	345.8	352.1	361.6	373.9	405.7	434.7	469.8
27.5°	370.3	371.6	368.3	368.5	363.2	361.0	371.9	390.6	432.3	457.8	488.3
30°	399.9	398.8	399.0	398.5	386.4	375.7	387.6	412.3	465.8	493.1	512.3
32.5°	423.0	424.5	429.5	432.3	416.4	399.3	411.9	441.9	503.9	533.4	541.8
35°	447.5	450.2	460.2	469.5	456.2	436.5	450.0	481.1	539.8	573.2	575.6
37.5°	473.3	478.7	490.7	507.1	505.0	487.6	499.9	527.2	568.0	597.2	603.5
40°	502.9	508.1	527.8	551.4	556.3	552.4	556.5	572.4	586.7	598.2	615.5
42.5°	535.3	542.5	567.4	599.0	617.6	621.1	611.6	609.9	594.8	586.2	612.9
45°	573.6	582.0	610.2	651.1	680.7	685.3	669.0	647.8	599.9	577.4	605.3
47.5°	616.5	624.5	652.6	701.7	745.7	747.5	719.0	684.9	615.0	587.6	611.1
50°	631.0	635.9	660.2	717.9	799.0	812.8	771.5	726.6	645.5	617.6	639.7
52.5°	581.4	583.4	604.5	662.8	788.2	876.9	848.2	788.9	699.7	663.4	683.7
55°	460.7	457.5	474.6	528.1	685.0	863.9	917.8	886.8	769.6	717.2	740.9
57.5°	322.2	318.5	314.6	350.8	511.1	732.3	845.7	900.5	836.1	770.5	802.6
60°	264.9	261.3	242.4	225.7	309.0	525.9	649.6	752.7	830.7	767.8	800.6
62.5°	228.8	226.7	219.1	196.4	181.8	300.2	406.8	505.6	637.4	602.9	604.7
65°	179.7	179.1	184.4	186.8	160.8	166.1	207.5	262.8	344.6	324.9	308.1
67.5°	122.8	121.5	131.4	161.6	154.7	131.1	121.5	122.5	149.1	91.1	72.4
70°	78.1	74.9	75.1	100.2	125.8	103.5	93.7	82.4	74.2	13.5	15.3
72.5°	50.0	48.1	41.3	45.2	58.3	50.5	50.9	43.8	29.3	7.2	8.4
75°	21.0	19.4	14.9	11.9	11.7	7.4	6.5	6.0	4.1	4.1	4.4
77.5°	0.2	0.0	0.0	0.2	0.3	0.2	0.2	0.3	0.6	0.9	1.1
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°	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6	431.6
2.5°	434.0	430.4	434.4	435.9	435.8	435.9	431.6	428.5	428.4	424.6	422.8
5°	435.6	432.8	435.8	433.8	429.1	423.3	415.5	408.7	405.7	401.4	399.3
7.5°	438.8	435.8	435.3	427.5	415.9	403.6	389.8	377.5	370.9	362.9	363.4
10°	441.0	437.6	431.7	415.8	396.6	376.9	356.3	338.0	326.4	315.8	314.0
12.5°	441.9	436.8	423.1	399.1	372.1	346.4	316.2	290.1	272.1	258.1	256.2
15°	443.6	435.3	412.2	379.0	341.9	305.6	267.1	231.4	207.5	191.5	192.8
17.5°	446.1	433.7	399.9	356.5	309.5	258.1	206.2	165.2	143.3	133.9	134.1
20°	449.7	431.7	386.4	331.7	270.6	204.5	144.2	113.2	107.1	106.8	106.3
22.5°	454.5	429.8	371.9	304.5	224.5	143.3	96.0	86.3	88.9	93.8	94.7
25°	460.2	427.3	355.9	273.9	174.2	94.0	71.9	70.4	76.6	83.2	84.7
27.5°	469.1	426.1	337.6	239.1	122.2	67.4	58.9	59.8	65.3	70.9	72.2
30°	484.1	428.4	317.6	200.0	78.5	53.8	51.1	52.4	55.4	58.3	59.5
32.5°	504.5	435.0	298.2	157.4	56.0	46.7	46.1	46.8	48.1	49.7	50.2
35°	528.4	446.4	278.2	112.6	46.2	42.6	42.0	42.0	42.6	42.9	43.1
37.5°	548.1	458.4	259.5	74.9	41.4	39.5	38.6	38.1	38.0	38.3	38.4
40°	556.6	463.4	239.1	54.5	38.0	36.6	35.3	33.9	33.9	35.0	35.1
42.5°	550.6	457.8	215.5	45.0	35.6	33.6	31.5	30.3	30.9	32.0	32.3
45°	537.9	444.2	189.5	39.8	33.2	30.6	28.2	27.5	28.1	29.4	29.7
47.5°	535.8	435.2	158.4	36.3	30.6	28.1	25.5	24.8	25.5	26.6	26.9
50°	556.6	443.0	123.9	33.3	28.2	25.4	23.3	22.5	23.0	23.6	23.9
52.5°	594.8	471.9	100.0	30.5	25.4	22.7	21.3	20.4	20.4	21.0	21.2
55°	651.1	522.5	86.3	27.2	22.1	20.6	19.4	18.5	18.5	18.8	18.9
57.5°	716.0	583.8	89.5	22.8	19.4	18.6	17.6	16.8	17.1	17.1	17.1
60°	706.9	579.3	95.8	19.2	17.1	16.8	15.9	15.6	16.4	15.8	15.5
62.5°	520.7	400.2	50.2	15.8	14.7	14.4	13.8	14.4	15.5	13.8	13.2
65°	252.9	193.7	20.1	12.9	12.5	12.2	11.9	12.8	13.4	10.8	10.2
67.5°	59.5	48.4	13.1	11.0	10.4	9.8	10.1	10.2	9.8	7.4	7.1
70°	15.5	15.2	10.2	9.2	8.3	7.7	7.7	7.5	6.5	4.7	4.4
72.5°	8.4	8.3	7.4	6.9	5.7	5.1	5.3	4.7	3.6	2.7	2.6
75°	4.2	4.5	4.2	3.9	3.2	2.9	2.9	2.6	1.8	1.1	1.1
77.5°	0.9	1.1	1.1	0.9	0.8	0.6	0.6	0.8	0.3	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)