

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: P643482

Luminaire Tested: GWS-SA6F-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28885.2 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

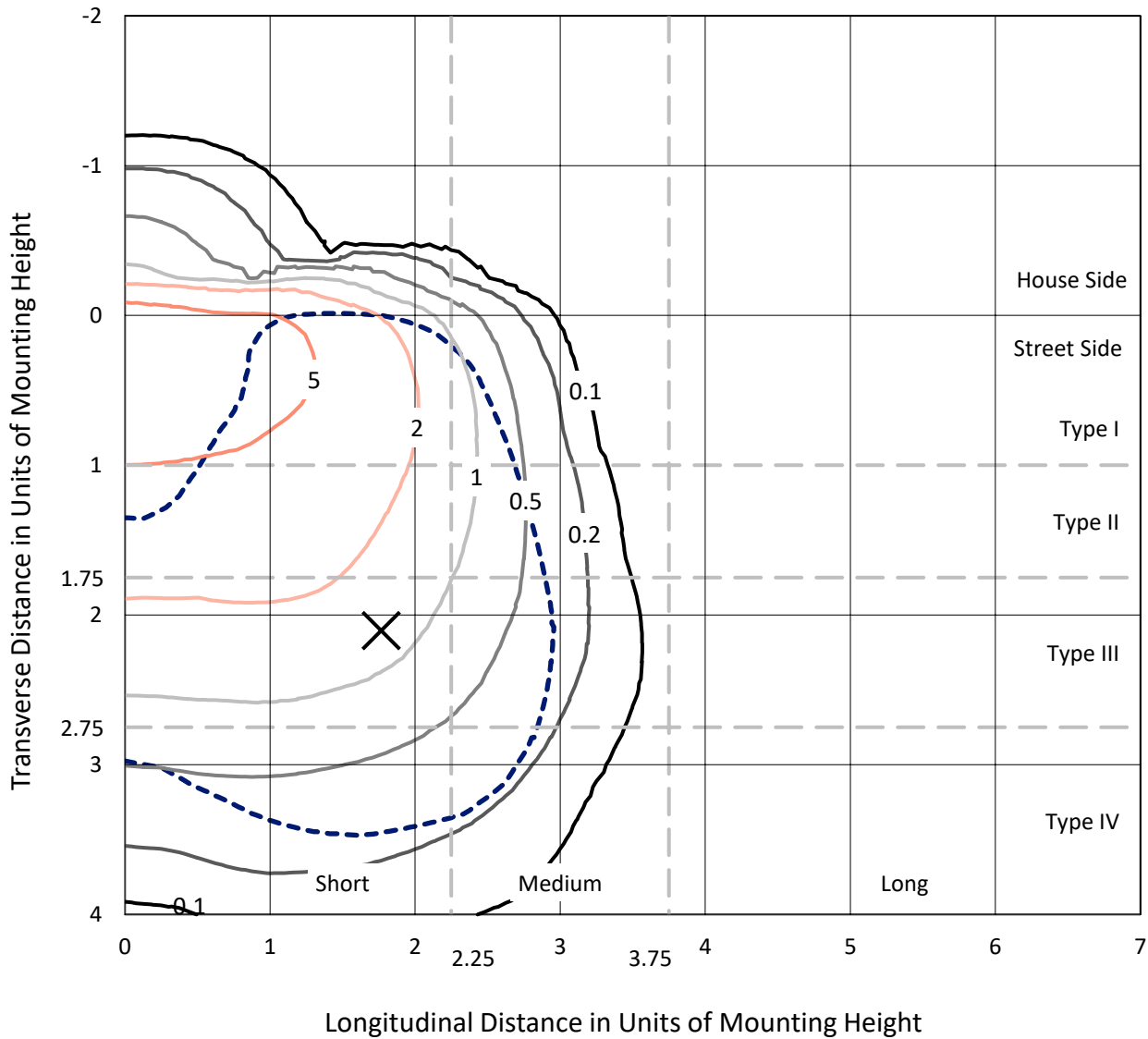
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643482
 CATALOG NUMBER: GWS-SA6F-722-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

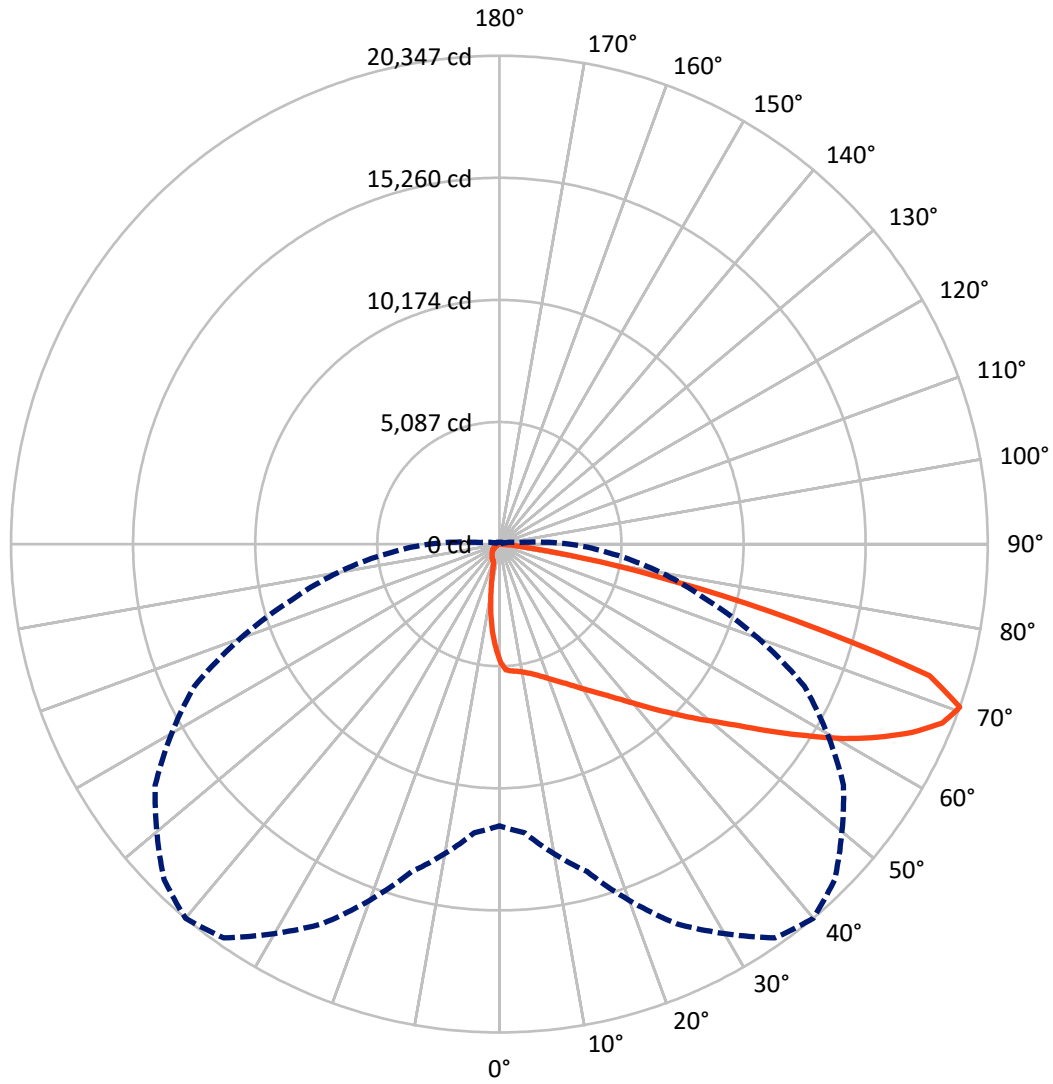
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P643482
CATALOG NUMBER: GWS-SA6F-722-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P643482
 CATALOG NUMBER: GWS-SA6F-722-U-SL4-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2362.1	0.0	2362.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	26523.1	0.0	26523.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	28885.2	0.0	28885.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.3	1.4
10°-20°	1050.7	3.6
20°-30°	1758.5	6.1
30°-40°	2762.0	9.6
40°-50°	4368.8	15.1
50°-60°	6372.9	22.1
60°-70°	7900.1	27.4
70°-80°	3997.0	13.8
80°-90°	260.9	0.9
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°	28885.2	100.0
0°-180°	28885.2	100.0

Coefficient of Utilization



REPORT NUMBER: P643482

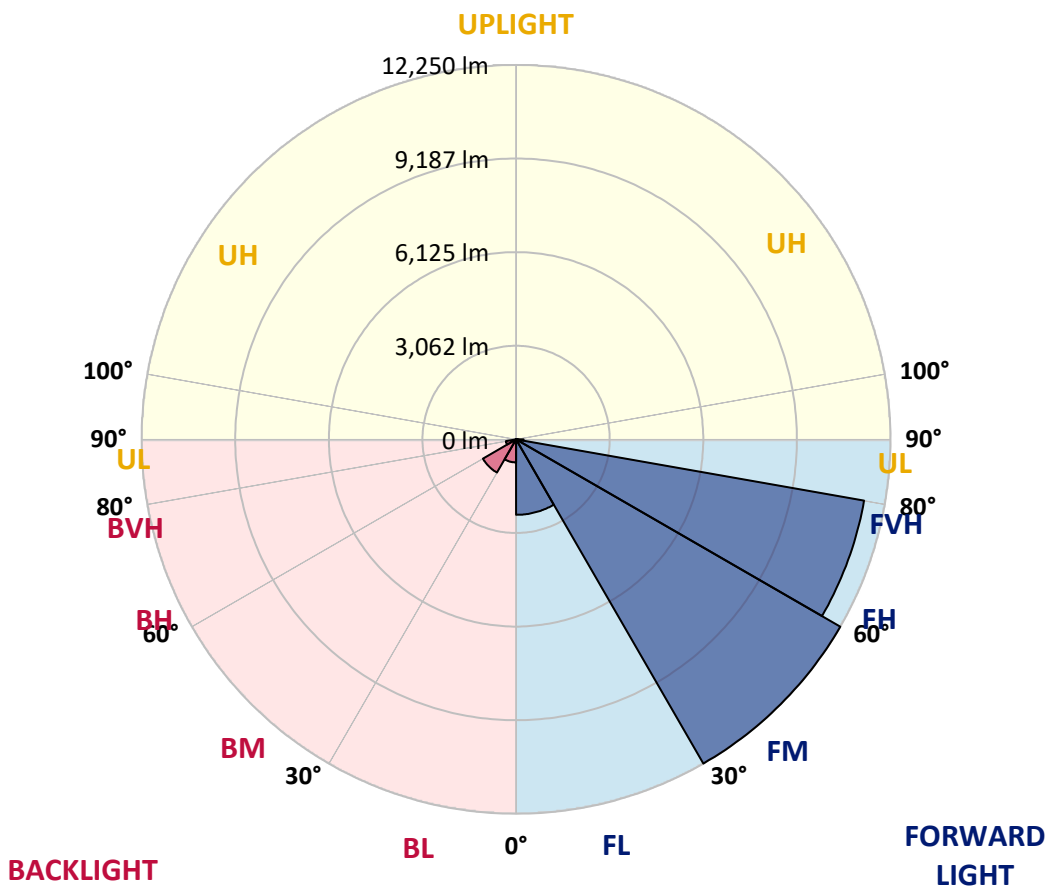
CATALOG NUMBER: GWS-SA6F-722-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2469.2	8.5			
FM (30°-60°)	12249.9	42.4			
FH (60°-80°)	11560.4	40.0			G4/12000
FVH (80°-90°)	243.7	0.8			G3/500
BL (0°-30°)	754.3	2.6	B2/1000		
BM (30°-60°)	1253.8	4.3	B2/2500		
BH (60°-80°)	336.8	1.2	B1/500		G1/500
BVH (80°-90°)	17.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





REPORT NUMBER: P643482

CATALOG NUMBER: GWS-SA6F-722-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5
2.5°	5269.4	5287.8	5285.2	5293.1	5274.7	5245.8	5240.5	5201.1	5130.1	5040.8	4940.9
5°	5377.2	5398.2	5382.4	5374.5	5340.4	5308.8	5300.9	5258.9	5177.4	5056.5	4883.1
7.5°	5469.1	5474.4	5463.9	5445.5	5395.6	5353.5	5324.6	5266.8	5169.5	5048.6	4848.9
10°	5484.9	5482.3	5487.5	5490.2	5458.6	5421.8	5398.2	5319.3	5195.8	5067.0	4851.5
12.5°	5466.5	5466.5	5500.7	5540.1	5540.1	5521.7	5498.1	5427.1	5282.6	5130.1	4904.1
15°	5490.2	5498.1	5563.8	5637.4	5661.0	5642.6	5632.1	5558.5	5408.7	5240.5	4998.7
17.5°	5574.3	5582.2	5687.3	5797.7	5826.6	5805.6	5784.5	5710.9	5550.6	5366.7	5106.5
20°	5697.8	5718.8	5852.9	5994.8	6021.1	5994.8	5952.7	5850.2	5689.9	5503.3	5209.0
22.5°	5923.8	5937.0	6081.5	6231.3	6244.4	6202.4	6139.3	5997.4	5829.2	5647.9	5324.6
25°	6223.4	6241.8	6386.4	6530.9	6496.8	6433.7	6346.9	6186.6	5994.8	5818.7	5471.8
27.5°	6580.9	6601.9	6743.8	6869.9	6780.6	6707.0	6609.8	6410.0	6215.5	6055.2	5661.0
30°	6967.2	6985.6	7111.7	7224.7	7106.5	7019.7	6904.1	6699.1	6502.0	6381.1	5929.1
32.5°	7340.4	7337.8	7458.6	7550.6	7429.7	7361.4	7256.3	7048.7	6891.0	6838.4	6328.5
35°	7687.3	7687.3	7787.2	7879.1	7792.4	7755.6	7658.4	7492.8	7403.5	7466.5	6862.1
37.5°	8036.8	8018.4	8113.1	8215.6	8207.7	8210.3	8155.1	8076.3	8081.5	8304.9	7595.3
40°	8325.9	8318.0	8428.4	8562.5	8667.6	8751.7	8717.5	8746.4	8912.0	9329.9	8533.6
42.5°	8557.2	8575.6	8717.5	8930.4	9195.8	9366.7	9390.3	9508.6	9934.4	10580.9	9592.7
45°	8822.6	8825.3	9022.4	9348.3	9771.4	10042.1	10136.7	10441.6	11046.1	11879.2	10754.3
47.5°	9148.5	9117.0	9337.8	9795.1	10407.4	10806.9	10975.1	11356.2	12291.8	13145.9	11700.5
50°	9508.6	9450.8	9700.4	10323.3	11119.6	11619.0	11960.6	12517.8	13527.0	14186.7	12404.8
52.5°	9926.5	9871.3	10155.1	10930.4	11973.8	12580.9	13019.8	13582.2	14586.2	14980.4	12825.3
55°	10457.4	10402.2	10701.8	11658.4	12983.0	13771.4	14231.4	14704.4	15571.7	15566.4	13130.2
57.5°	11046.1	10969.8	11385.1	12578.3	14241.9	15061.8	15529.7	15760.9	16320.7	16021.1	13335.2
60°	11721.5	11653.2	12228.7	13674.2	15695.2	16454.8	16749.1	16654.5	16935.7	16289.2	13264.2
62.5°	12331.2	12299.7	13014.5	14835.8	17080.3	17721.5	17803.0	17390.4	17387.7	16294.4	12785.9
65°	12964.6	13025.0	14086.8	16173.5	18473.2	18904.2	18764.9	18121.0	17569.1	15650.5	11371.9
67.5°	13201.1	13377.2	14793.8	17382.5	19571.7	19908.1	19663.7	18486.3	16814.8	13485.0	8659.7
70°	11739.9	12071.0	14126.2	17450.8	20026.4	20347.0	19760.9	17503.4	14018.5	8933.0	4743.8
72.5°	8927.8	9314.1	11771.4	14289.2	18010.6	18741.2	17739.9	14260.3	9035.5	3913.3	1592.6
75°	4996.1	5414.0	8767.5	10759.6	12092.1	12759.6	12391.7	9148.5	4002.6	1022.3	475.7
77.5°	1689.9	1829.2	4078.9	6657.1	7981.6	7382.4	6249.7	4544.0	1471.8	389.0	252.3
80°	1001.3	1053.9	1519.1	3314.1	4199.8	3482.3	2749.0	1679.4	749.0	207.6	176.1
82.5°	299.6	354.8	838.4	1230.0	1645.2	1025.0	867.3	959.3	389.0	113.0	147.2
85°	0.0	0.0	178.7	381.1	431.0	168.2	168.2	544.0	71.0	47.3	107.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	13.1	7.9	10.5	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P643482

CATALOG NUMBER: GWS-SA6F-722-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5	4901.5
2.5°	4869.9	4777.9	4670.2	4567.7	4470.5	4344.3	4283.9	4210.3	4147.2	4113.0	4131.4
5°	4772.7	4628.1	4407.4	4184.0	3958.0	3745.1	3553.2	3424.5	3308.8	3248.4	3261.5
7.5°	4688.6	4494.1	4149.8	3784.5	3421.8	3056.5	2759.5	2528.3	2349.6	2276.0	2262.8
10°	4651.8	4407.4	3921.2	3395.6	2838.4	2346.9	1926.4	1671.5	1490.2	1400.8	1416.6
12.5°	4670.2	4362.7	3726.7	3014.5	2291.7	1718.8	1316.7	1077.5	948.8	896.2	883.1
15°	4722.8	4352.2	3553.2	2625.5	1768.7	1201.1	909.3	812.1	785.8	780.6	780.6
17.5°	4783.2	4354.8	3374.5	2231.3	1343.0	890.9	777.9	759.5	751.6	746.4	749.0
20°	4843.7	4354.8	3169.5	1831.8	1009.2	770.0	741.1	728.0	720.1	717.5	717.5
22.5°	4917.2	4354.8	2940.9	1461.2	809.5	730.6	707.0	699.1	691.2	688.6	685.9
25°	5006.6	4357.4	2688.6	1143.2	735.9	696.5	678.1	670.2	662.3	657.0	657.0
27.5°	5135.4	4378.5	2410.0	890.9	693.8	664.9	649.1	641.3	633.4	625.5	625.5
30°	5322.0	4431.0	2097.3	735.9	654.4	630.8	615.0	609.7	601.8	594.0	591.3
32.5°	5600.6	4523.0	1774.0	659.7	617.6	594.0	575.6	570.3	562.4	554.5	551.9
35°	5989.5	4691.2	1458.6	612.4	570.3	546.7	536.1	533.5	523.0	515.1	515.1
37.5°	6559.8	4964.5	1156.4	565.0	530.9	512.5	499.3	494.1	483.6	475.7	473.1
40°	7256.3	5319.3	898.8	528.3	494.1	475.7	462.6	454.7	441.5	431.0	425.8
42.5°	8144.6	5753.0	709.6	488.8	459.9	441.5	431.0	415.2	396.8	381.1	378.5
45°	9069.7	6199.8	586.1	452.0	428.4	412.6	399.5	378.5	352.2	333.8	328.5
47.5°	9779.3	6478.4	512.5	412.6	394.2	381.1	365.3	339.0	307.5	286.5	281.2
50°	10286.5	6520.4	457.3	375.8	365.3	352.2	328.5	297.0	262.8	241.8	236.5
52.5°	10536.2	6331.2	412.6	341.7	333.8	320.6	291.7	257.6	220.8	199.7	194.5
55°	10649.2	5973.8	370.6	312.7	302.2	286.5	254.9	218.1	181.3	162.9	157.7
57.5°	10604.5	5445.5	333.8	283.8	270.7	252.3	218.1	178.7	149.8	131.4	128.8
60°	10273.4	4704.4	297.0	254.9	239.2	218.1	184.0	147.2	120.9	107.8	105.1
62.5°	9558.5	3784.5	260.2	220.8	210.3	189.2	157.7	120.9	99.9	92.0	89.4
65°	8094.7	2675.4	223.4	186.6	181.3	160.3	131.4	99.9	86.7	81.5	78.8
67.5°	5818.7	1626.8	189.2	160.3	155.1	136.7	110.4	86.7	78.8	76.2	76.2
70°	2925.1	770.0	149.8	131.4	131.4	113.0	94.6	78.8	76.2	73.6	73.6
72.5°	993.4	328.5	113.0	102.5	107.8	97.2	81.5	73.6	73.6	73.6	73.6
75°	339.0	173.5	78.8	73.6	78.8	78.8	71.0	71.0	73.6	73.6	73.6
77.5°	220.8	115.6	55.2	49.9	60.4	60.4	60.4	65.7	71.0	71.0	71.0
80°	181.3	63.1	36.8	34.2	44.7	44.7	49.9	60.4	65.7	65.7	65.7
82.5°	155.1	39.4	21.0	23.7	31.5	34.2	42.1	49.9	57.8	60.4	60.4
85°	105.1	21.0	15.8	18.4	21.0	26.3	34.2	42.1	47.3	52.6	52.6
87.5°	28.9	7.9	10.5	13.1	13.1	18.4	26.3	31.5	36.8	39.4	39.4
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)