

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: P639351

Luminaire Tested: GWS-SA5B-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639351
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-SA5B-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14200.5 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

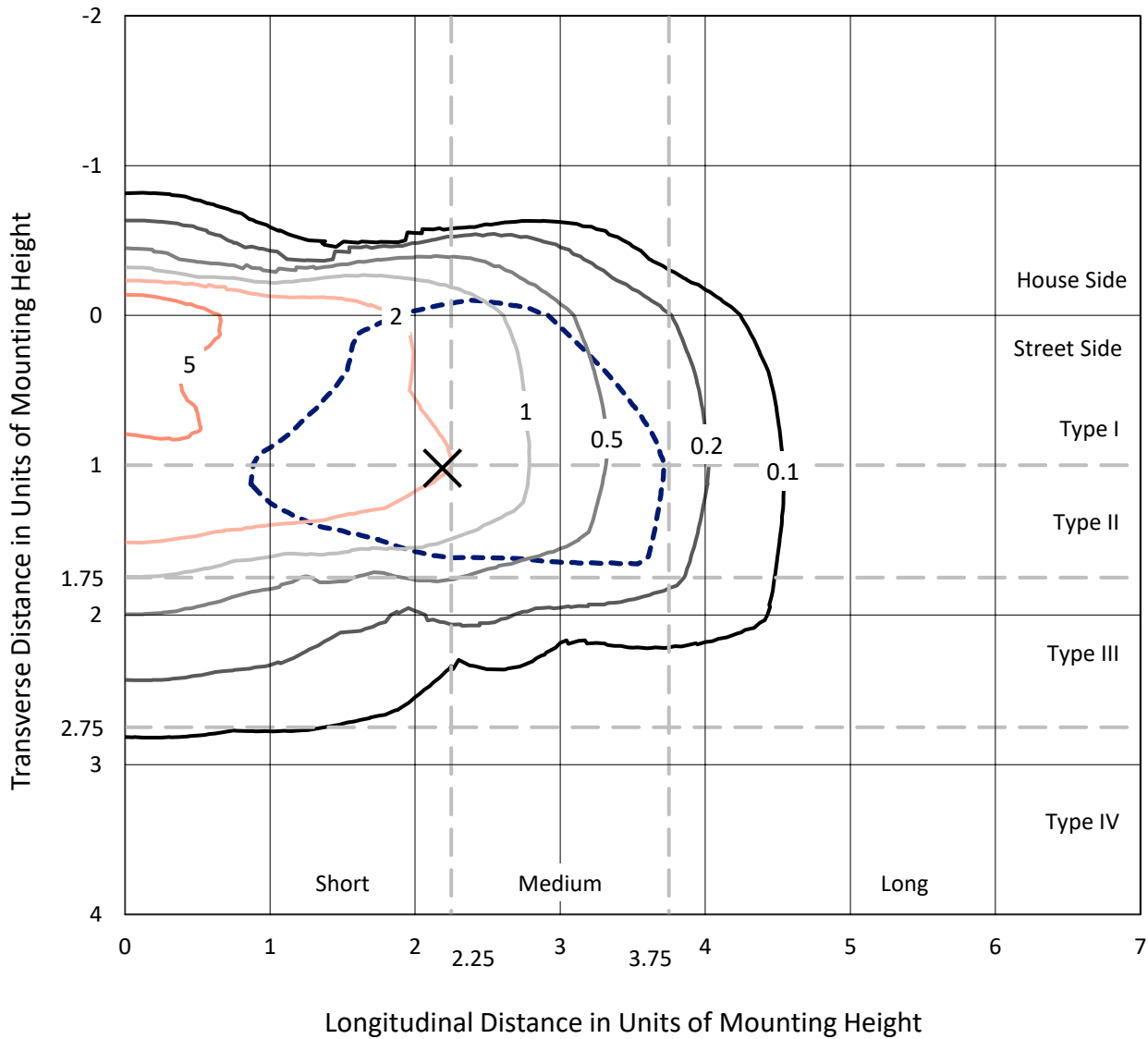
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

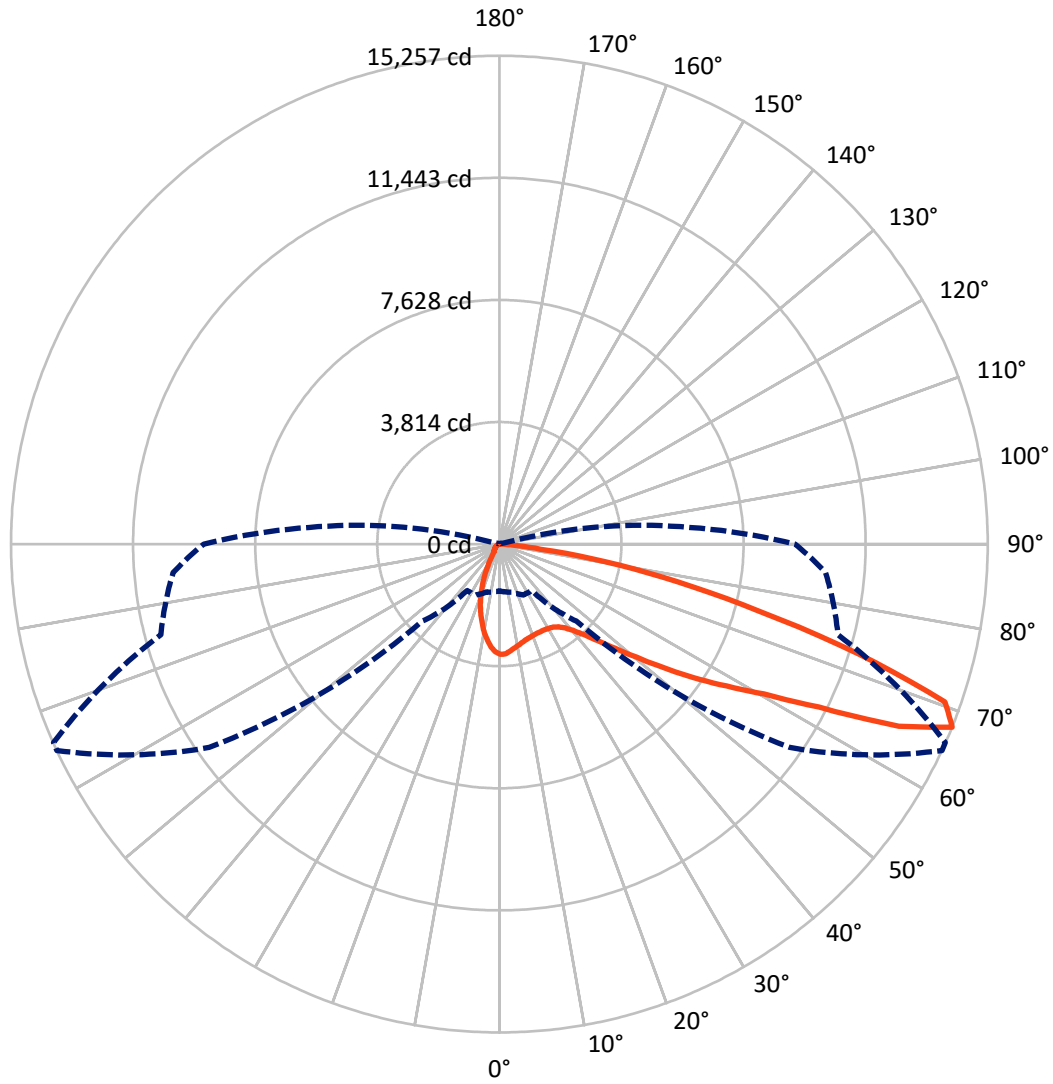
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 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	1773.2	0.0	1773.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	12427.3	0.0	12427.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	14200.5	0.0	14200.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.0	2.0
10°-20°	643.0	4.5
20°-30°	918.8	6.5
30°-40°	1336.8	9.4
40°-50°	2093.6	14.7
50°-60°	3266.2	23.0
60°-70°	3587.7	25.3
70°-80°	1909.4	13.4
80°-90°	159.0	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°	14200.5	100.0
0°-180°	14200.5	100.0

Coefficient of Utilization

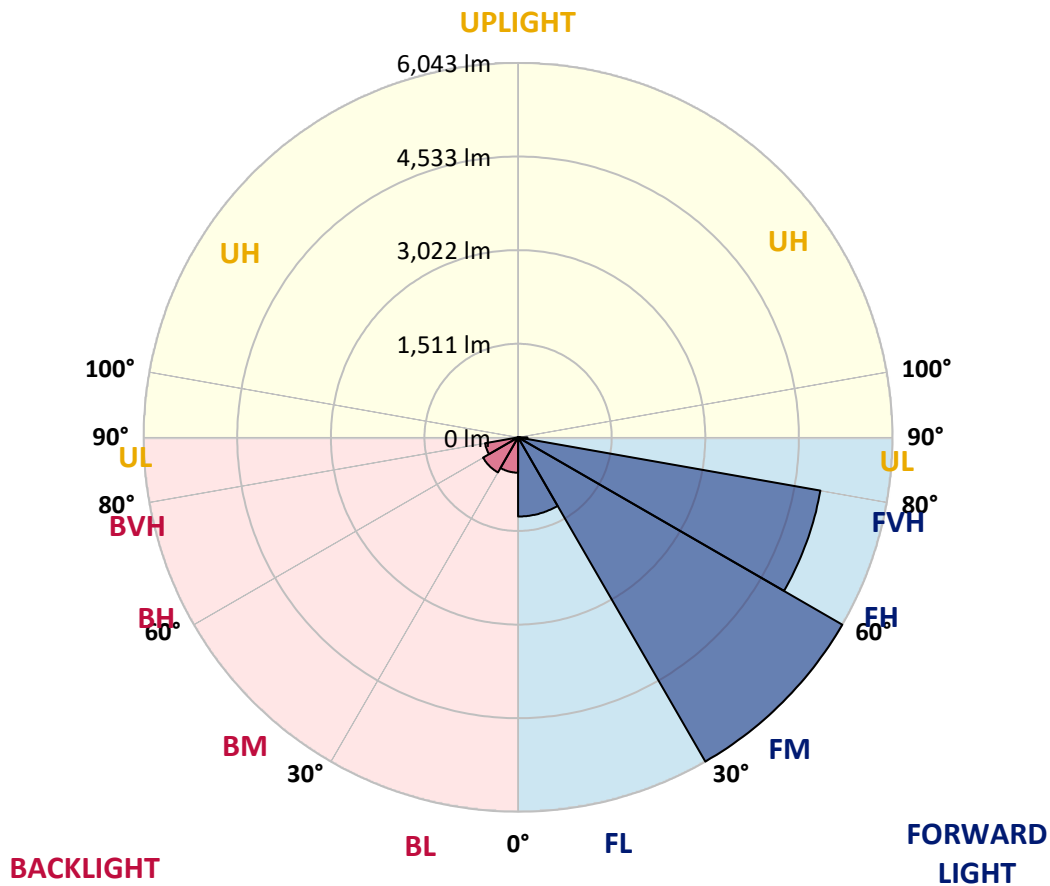


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1278.0	9.0			
FM (30°-60°)	6043.4	42.6			
FH (60°-80°)	4955.4	34.9			G2/5000
FVH (80°-90°)	150.5	1.1			G2/225
BL (0°-30°)	569.9	4.0	B2/1000		
BM (30°-60°)	653.2	4.6	B1/1000		
BH (60°-80°)	541.6	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1
2.5°	3324.6	3334.9	3320.8	3355.5	3361.9	3400.4	3422.2	3437.6	3436.4	3455.6	3455.6
5°	3129.5	3139.7	3132.0	3169.3	3198.8	3259.2	3309.2	3367.0	3369.6	3428.7	3450.5
7.5°	2963.8	2965.1	2965.1	3011.3	3049.8	3124.3	3198.8	3287.4	3297.7	3388.9	3446.6
10°	2827.7	2831.5	2832.8	2885.5	2927.8	3017.7	3112.8	3219.3	3230.9	3354.2	3444.1
12.5°	2733.9	2735.2	2740.4	2795.6	2841.8	2935.5	3031.9	3153.9	3169.3	3314.4	3432.5
15°	2689.0	2686.4	2689.0	2735.2	2781.5	2871.3	2970.2	3101.2	3117.9	3281.0	3433.8
17.5°	2686.4	2682.6	2680.0	2714.7	2744.2	2823.8	2924.0	3066.5	3084.5	3265.6	3447.9
20°	2723.7	2721.1	2708.3	2723.7	2730.1	2795.6	2894.5	3039.6	3057.5	3263.0	3478.7
22.5°	2821.3	2814.8	2795.6	2781.5	2746.8	2785.3	2873.9	3020.3	3040.8	3269.4	3518.5
25°	2966.4	2963.8	2939.4	2904.7	2816.1	2800.7	2875.2	3020.3	3039.6	3277.1	3560.9
27.5°	3184.7	3169.3	3138.4	3078.1	2951.0	2861.1	2900.9	3028.0	3047.3	3287.4	3595.6
30°	3406.8	3405.5	3395.3	3333.6	3144.9	2976.6	2954.8	3048.6	3066.5	3296.4	3627.7
32.5°	3636.7	3640.5	3666.2	3618.7	3412.0	3148.7	3052.4	3090.9	3103.8	3314.4	3656.0
35°	3855.0	3862.7	3930.8	3947.5	3736.9	3409.4	3211.6	3175.7	3177.0	3354.2	3693.2
37.5°	4064.3	4090.0	4199.1	4280.0	4141.4	3725.3	3441.5	3319.5	3309.2	3433.8	3749.7
40°	4301.9	4350.7	4488.1	4625.5	4581.8	4142.6	3754.8	3540.4	3518.5	3580.2	3851.1
42.5°	4565.1	4617.8	4800.1	4992.7	5013.3	4647.3	4146.5	3862.7	3825.5	3826.7	4041.2
45°	4847.6	4918.3	5130.1	5407.5	5532.1	5209.8	4629.3	4298.0	4260.8	4205.6	4346.8
47.5°	5218.8	5280.4	5484.6	5804.3	6043.2	5813.3	5262.4	4857.9	4789.8	4708.9	4822.0
50°	5538.5	5592.4	5768.4	6169.0	6666.0	6591.5	5980.2	5557.8	5492.3	5354.9	5448.6
52.5°	5609.1	5651.5	5813.3	6264.0	7142.4	7573.9	6859.9	6404.0	6357.8	6103.5	6139.5
55°	5291.9	5356.2	5501.3	6002.1	7267.0	8534.4	8001.5	7358.1	7261.8	6856.0	6920.2
57.5°	4490.6	4604.9	4741.1	5392.1	6929.2	9045.5	9596.4	8368.8	8281.4	7580.3	7581.6
60°	3291.3	3383.7	3474.9	4070.7	6127.9	9010.8	11043.6	9503.9	9344.7	8172.3	8150.4
62.5°	2393.6	2441.2	2439.9	2651.8	4208.1	8417.6	11803.8	11214.4	10843.3	8805.4	8680.8
65°	1882.6	1881.3	1936.5	2005.8	2350.0	6497.8	11897.6	13712.1	13311.4	9654.2	9394.8
67.5°	1465.2	1493.5	1548.7	1752.9	1765.7	3400.4	11073.2	15256.9	15249.2	10949.9	10230.8
70°	1130.0	1168.6	1246.9	1544.8	1630.9	1903.1	8285.3	14767.6	14892.2	11529.0	9638.8
72.5°	725.5	723.0	838.5	1248.2	1566.7	1585.9	4581.8	11730.6	11871.9	10442.6	7793.5
75°	405.8	408.4	473.8	764.1	1460.1	1492.2	2269.1	8364.9	8476.6	8141.5	5988.0
77.5°	159.2	164.4	222.2	401.9	963.1	1332.9	1348.3	5704.2	5720.9	5045.4	3672.6
80°	64.2	68.1	113.0	249.1	586.9	897.6	963.1	3360.6	3292.5	1953.2	1068.4
82.5°	19.3	20.5	44.9	141.3	306.9	638.2	649.8	1289.3	1217.4	419.9	272.2
85°	1.3	1.3	10.3	43.7	109.2	160.5	432.8	419.9	372.4	105.3	120.7
87.5°	0.0	0.0	1.3	1.3	2.6	5.1	46.2	77.0	78.3	19.3	53.9
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°	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1	3444.1
2.5°	3455.6	3409.4	3405.5	3369.6	3333.6	3288.7	3236.0	3197.5	3170.5	3123.0	3114.0
5°	3450.5	3388.9	3331.1	3228.3	3114.0	2990.8	2882.9	2782.7	2719.8	2677.4	2659.5
7.5°	3440.2	3361.9	3228.3	3034.4	2843.1	2627.4	2459.1	2305.0	2199.7	2138.1	2111.1
10°	3432.5	3327.2	3110.2	2816.1	2519.5	2221.6	1966.0	1737.4	1610.3	1510.2	1493.5
12.5°	3417.1	3277.1	2958.7	2560.6	2177.9	1782.4	1456.2	1176.3	982.4	895.0	864.2
15°	3401.7	3224.5	2807.1	2290.9	1805.5	1317.5	922.0	652.3	518.8	477.7	475.1
17.5°	3399.1	3177.0	2642.8	2035.4	1415.1	862.9	525.2	422.5	394.2	384.0	384.0
20°	3406.8	3137.2	2481.0	1741.3	1031.2	525.2	391.7	366.0	349.3	340.3	340.3
22.5°	3414.5	3096.1	2325.6	1444.7	684.4	384.0	345.4	323.6	304.3	294.1	288.9
25°	3419.7	3051.1	2153.5	1146.7	446.9	333.9	303.1	274.8	251.7	238.9	238.9
27.5°	3418.4	2997.2	1980.1	855.2	346.7	296.6	259.4	229.9	206.7	192.6	193.9
30°	3408.1	2938.1	1800.4	597.1	303.1	259.4	222.2	191.3	168.2	156.7	155.4
32.5°	3400.4	2875.2	1592.3	419.9	272.2	227.3	188.8	159.2	140.0	131.0	129.7
35°	3391.4	2813.6	1394.6	319.8	245.3	196.5	159.2	134.8	119.4	111.7	111.7
37.5°	3394.0	2749.3	1180.1	274.8	218.3	170.8	136.1	115.6	102.7	95.0	93.7
40°	3433.8	2710.8	969.5	249.1	193.9	147.7	118.1	100.2	87.3	79.6	78.3
42.5°	3532.7	2712.1	767.9	229.9	172.1	125.8	102.7	86.0	74.5	65.5	64.2
45°	3730.4	2766.0	589.4	209.3	149.0	109.2	88.6	73.2	61.6	53.9	52.6
47.5°	4054.0	2926.6	446.9	191.3	129.7	95.0	75.8	61.6	51.4	44.9	43.7
50°	4569.0	3216.8	351.9	169.5	109.2	82.2	64.2	51.4	42.4	36.0	34.7
52.5°	5187.9	3652.1	301.8	150.2	93.7	71.9	55.2	42.4	34.7	29.5	28.3
55°	5899.3	4172.2	278.7	131.0	79.6	61.6	44.9	34.7	28.3	24.4	21.8
57.5°	6551.7	4640.9	277.4	111.7	68.1	52.6	37.2	29.5	24.4	19.3	18.0
60°	7187.3	5032.6	260.7	92.5	59.1	43.7	32.1	24.4	20.5	16.7	15.4
62.5°	7763.9	5351.0	218.3	74.5	50.1	36.0	27.0	21.8	18.0	14.1	14.1
65°	8488.2	5756.8	166.9	60.4	41.1	29.5	23.1	19.3	16.7	12.8	12.8
67.5°	9236.8	5971.3	119.4	50.1	33.4	25.7	20.5	18.0	14.1	11.6	11.6
70°	8366.2	5045.4	86.0	41.1	28.3	21.8	18.0	16.7	14.1	11.6	10.3
72.5°	6533.7	3638.0	64.2	32.1	24.4	20.5	16.7	15.4	12.8	10.3	10.3
75°	4845.1	2121.4	48.8	25.7	19.3	16.7	16.7	15.4	12.8	10.3	9.0
77.5°	2633.8	739.7	37.2	20.5	15.4	12.8	14.1	14.1	11.6	9.0	7.7
80°	697.3	202.9	25.7	15.4	12.8	10.3	10.3	12.8	10.3	7.7	7.7
82.5°	202.9	59.1	18.0	12.8	10.3	9.0	9.0	9.0	7.7	6.4	5.1
85°	98.9	21.8	12.8	10.3	9.0	7.7	6.4	6.4	5.1	3.9	3.9
87.5°	43.7	9.0	10.3	9.0	9.0	6.4	5.1	3.9	3.9	2.6	1.3
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)