

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: P637046

Luminaire Tested: GWS-SA4C-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

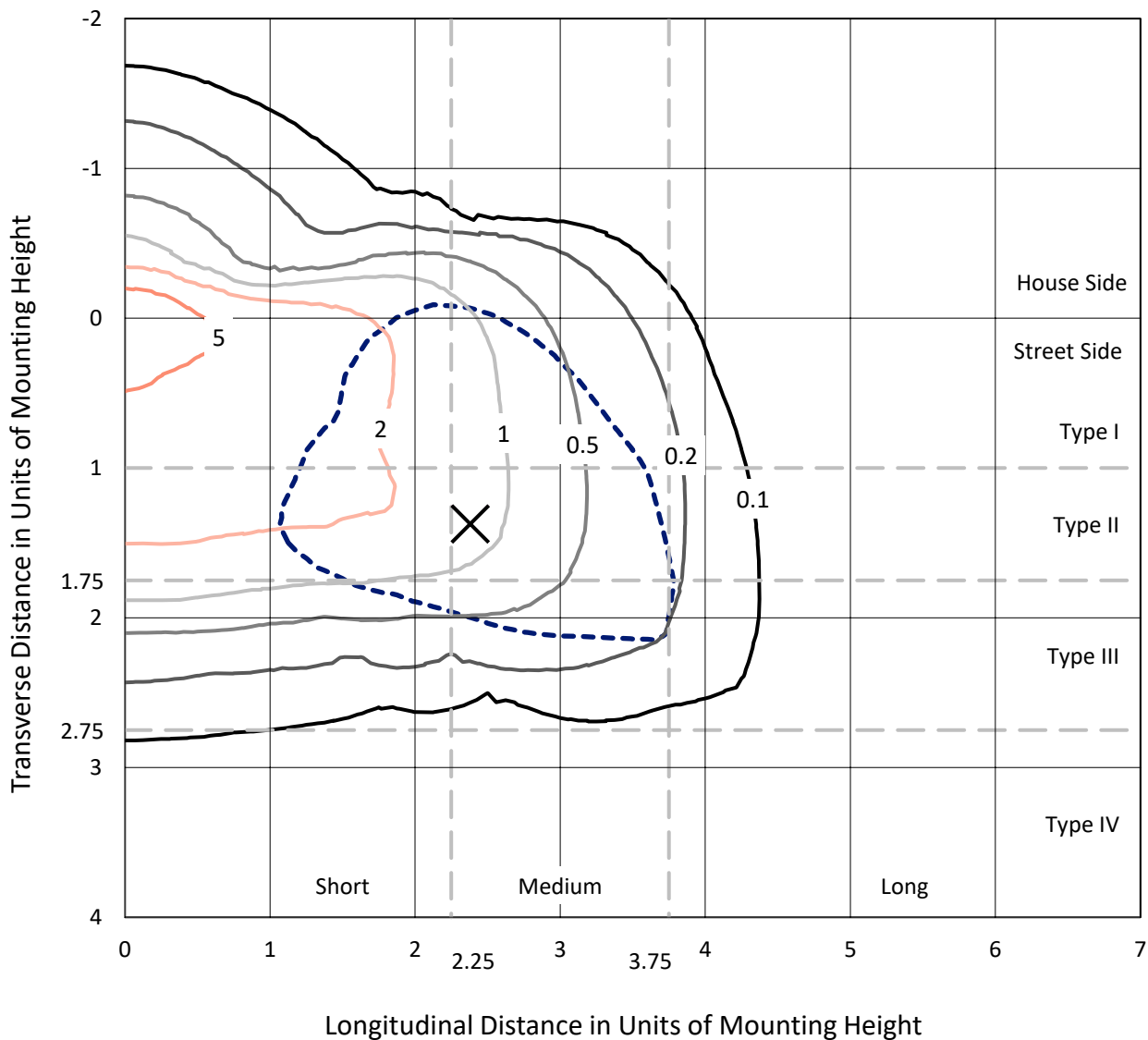
Lumens per Lamp: N/A  
Luminaire Lumens: 14010 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P637046  
 CATALOG NUMBER: GWS-SA4C-722-U-SL3-W

### Iso-Footcandle Lines of Horizontal Illumination

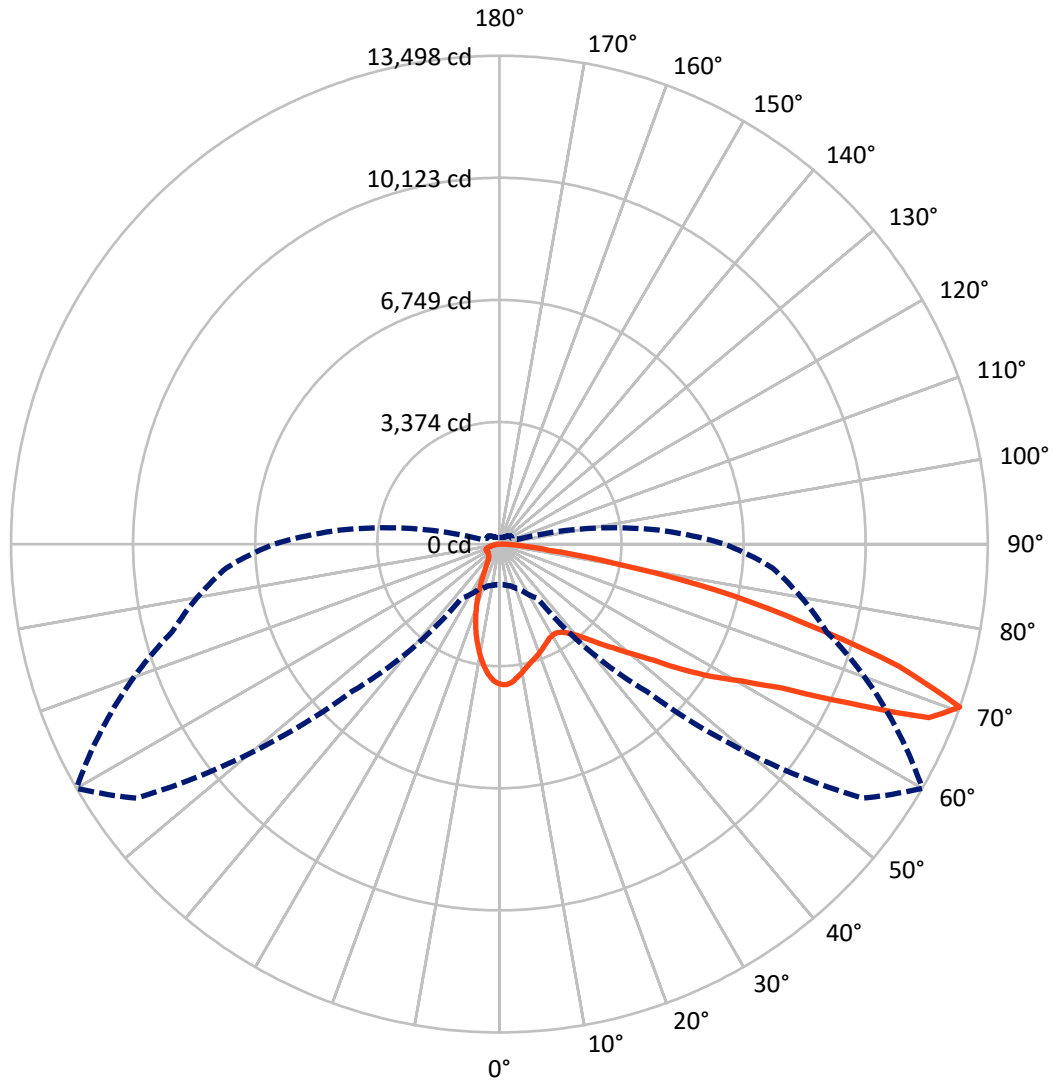
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P637046  
CATALOG NUMBER: GWS-SA4C-722-U-SL3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P637046

CATALOG NUMBER: GWS-SA4C-722-U-SL3-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2396.0	0.0	2396.0
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	11614.0	0.0	11614.0
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	14010.0	0.0	14010.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.2	2.4
10°-20°	748.6	5.3
20°-30°	958.7	6.8
30°-40°	1260.0	9.0
40°-50°	1828.1	13.0
50°-60°	2852.2	20.4
60°-70°	3734.1	26.7
70°-80°	2064.9	14.7
80°-90°	229.2	1.6
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°	14010.0	100.0
0°-180°	14010.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637046

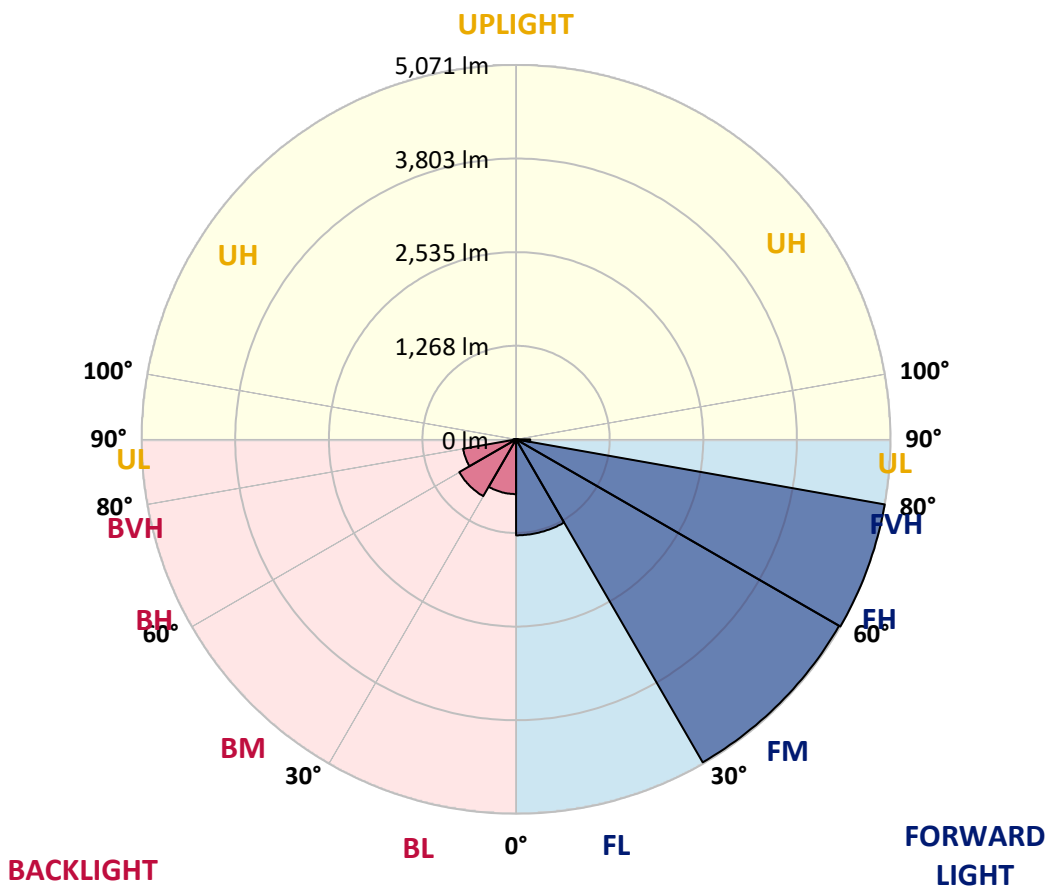
CATALOG NUMBER: GWS-SA4C-722-U-SL3-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.2	9.3			
FM (30°-60°)	5052.0	36.1			
FH (60°-80°)	5070.8	36.2			G3/7500
FVH (80°-90°)	190.9	1.4			G2/225
BL (0°-30°)	741.3	5.3	B2/1000		
BM (30°-60°)	888.4	6.3	B1/1000		
BH (60°-80°)	728.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	38.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





REPORT NUMBER: P637046  
 CATALOG NUMBER: GWS-SA4C-722-U-SL3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7
2.5°	3822.4	3826.5	3837.8	3854.2	3870.6	3878.8	3899.3	3893.1	3889.0	3880.8	3870.6
5°	3653.3	3661.5	3671.7	3703.5	3739.4	3768.1	3814.2	3819.3	3821.4	3825.5	3809.1
7.5°	3438.0	3440.1	3464.7	3506.7	3553.9	3603.1	3679.9	3701.5	3719.9	3740.4	3727.1
10°	3200.2	3205.3	3223.8	3284.3	3365.2	3438.0	3541.6	3577.4	3616.4	3661.5	3643.0
12.5°	3005.5	3006.5	3036.2	3100.8	3188.9	3287.3	3416.5	3459.6	3510.8	3581.5	3565.1
15°	2850.7	2850.7	2878.3	2933.7	3035.2	3151.0	3304.8	3360.1	3429.8	3525.2	3496.5
17.5°	2727.7	2728.7	2746.1	2804.5	2894.7	3022.9	3205.3	3280.2	3357.0	3483.1	3440.1
20°	2663.1	2658.0	2661.0	2696.9	2773.8	2897.8	3105.9	3193.0	3296.6	3454.4	3388.8
22.5°	2660.0	2650.8	2637.5	2640.5	2685.6	2788.1	2999.3	3104.9	3235.1	3430.9	3336.5
25°	2712.3	2702.0	2678.5	2651.8	2647.7	2709.2	2898.8	3018.8	3171.5	3420.6	3286.3
27.5°	2800.4	2793.3	2762.5	2722.5	2680.5	2678.5	2823.0	2948.1	3125.4	3430.9	3250.4
30°	2917.3	2905.0	2885.5	2834.3	2770.7	2705.1	2793.3	2910.1	3094.6	3463.7	3235.1
32.5°	3049.5	3042.4	3023.9	2972.7	2905.0	2800.4	2816.8	2918.3	3094.6	3521.1	3238.1
35°	3190.0	3188.9	3188.9	3155.1	3080.3	2950.1	2910.1	2988.0	3141.8	3613.3	3270.9
37.5°	3326.3	3325.3	3358.1	3370.4	3285.3	3144.9	3069.0	3127.4	3245.3	3749.6	3351.9
40°	3437.0	3441.1	3512.9	3574.4	3527.2	3397.0	3290.4	3320.1	3413.4	3943.4	3493.4
42.5°	3548.7	3560.0	3667.6	3776.3	3794.7	3682.0	3574.4	3591.8	3654.3	4199.6	3704.5
45°	3670.7	3675.8	3826.5	3978.2	4067.4	4000.8	3912.6	3936.2	3950.6	4516.4	4019.2
47.5°	3788.6	3801.9	3996.7	4204.8	4373.9	4367.7	4318.5	4311.4	4314.4	4901.8	4391.3
50°	3949.5	3969.0	4197.6	4448.7	4696.8	4810.6	4824.9	4770.6	4748.0	5330.3	4854.6
52.5°	4255.0	4255.0	4460.0	4707.0	5040.2	5322.1	5418.4	5329.2	5257.5	5783.3	5346.7
55°	4637.3	4653.7	4816.7	5016.6	5438.9	5860.2	6186.2	6087.8	5884.8	6276.4	5862.3
57.5°	4807.5	4828.0	5086.3	5396.9	5960.7	6472.2	6924.2	6889.4	6593.1	6788.9	6397.4
60°	4500.0	4543.0	4898.7	5419.5	6433.2	7459.3	7778.1	7676.6	7253.3	7327.1	6977.5
62.5°	3753.7	3800.9	4195.5	4922.3	6367.6	8526.4	9124.0	8749.8	8077.4	8006.7	7750.4
65°	2239.7	2237.7	2712.3	3675.8	5558.9	8822.6	11254.1	10556.0	9350.5	8939.5	8545.9
67.5°	1423.8	1420.7	1520.2	1947.6	3699.4	8096.9	12623.5	12805.0	11079.8	9625.2	8611.5
70°	1123.5	1122.4	1194.2	1388.9	1829.7	5761.8	12242.2	13497.9	12124.3	9363.9	7582.3
72.5°	819.0	821.1	931.8	1163.4	1411.5	2892.7	9913.3	11549.3	11151.5	8266.0	6155.4
75°	588.4	591.5	658.1	890.8	1301.8	1581.7	6592.1	8684.2	8484.4	6625.9	4234.5
77.5°	374.1	378.2	436.7	624.3	1051.7	1277.2	3996.7	6130.8	5645.0	3733.2	1505.8
80°	228.6	241.9	291.1	465.4	840.5	958.4	1997.8	3229.9	2827.1	1024.0	506.4
82.5°	117.9	128.1	175.3	288.0	579.2	841.6	1130.6	1357.2	875.4	428.5	269.6
85°	36.9	43.1	61.5	116.9	275.7	521.8	748.3	674.5	401.8	201.9	125.1
87.5°	9.2	9.2	10.3	10.3	11.3	23.6	144.5	152.7	106.6	63.6	51.3
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: P637046  
 CATALOG NUMBER: GWS-SA4C-722-U-SL3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7	3876.7
2.5°	3850.1	3825.5	3815.2	3814.2	3788.6	3751.7	3727.1	3709.7	3699.4	3697.4	3697.4
5°	3781.4	3749.6	3707.6	3675.8	3607.2	3537.5	3479.0	3446.2	3408.3	3403.2	3402.1
7.5°	3690.2	3644.1	3564.1	3474.9	3355.0	3239.2	3140.8	3074.1	3007.5	2995.2	2991.1
10°	3591.8	3529.3	3392.9	3236.1	3056.7	2883.5	2732.8	2614.9	2537.0	2481.7	2471.4
12.5°	3494.4	3411.4	3211.5	2977.8	2731.8	2495.0	2268.4	2075.7	1936.3	1855.3	1841.0
15°	3403.2	3287.3	3013.7	2715.4	2395.5	2071.6	1750.8	1500.7	1304.9	1235.2	1218.8
17.5°	3320.1	3175.6	2822.0	2443.7	2045.0	1621.6	1256.7	1034.3	919.5	884.6	876.4
20°	3237.1	3060.8	2627.2	2157.7	1672.9	1198.3	918.4	813.9	770.8	757.5	753.4
22.5°	3147.9	2934.7	2415.0	1875.8	1296.7	896.9	751.4	705.2	691.9	692.9	691.9
25°	3058.8	2806.6	2192.6	1569.4	965.6	727.8	656.0	638.6	641.7	650.9	653.0
27.5°	2985.0	2692.8	1974.3	1233.1	754.4	626.3	592.5	591.5	602.7	615.0	617.1
30°	2931.6	2591.3	1759.0	948.2	621.2	556.6	543.3	549.4	562.8	572.0	575.1
32.5°	2893.7	2504.2	1529.4	745.2	544.3	507.4	501.3	507.4	515.6	524.8	526.9
35°	2880.4	2440.6	1303.9	607.9	492.0	471.5	467.4	470.5	474.6	479.7	481.8
37.5°	2910.1	2408.9	1068.1	528.9	460.2	447.9	441.8	439.7	440.8	442.8	443.8
40°	2998.3	2423.2	875.4	482.8	439.7	428.5	418.2	414.1	413.1	415.1	414.1
42.5°	3150.0	2483.7	736.0	456.1	423.3	406.9	395.7	391.6	391.6	396.7	396.7
45°	3372.4	2602.6	635.5	436.7	409.0	388.5	376.2	374.1	378.2	386.4	387.5
47.5°	3698.4	2776.9	575.1	422.3	395.7	372.1	359.8	358.8	367.0	380.3	381.3
50°	4084.8	3028.0	542.3	412.1	386.4	358.8	346.5	347.5	356.7	371.1	374.1
52.5°	4550.2	3370.4	544.3	408.0	381.3	350.6	338.3	336.2	345.4	359.8	362.9
55°	5031.0	3786.5	584.3	409.0	374.1	346.5	330.1	322.9	331.1	341.3	342.4
57.5°	5559.9	4256.0	683.7	406.9	364.9	342.4	322.9	306.5	311.6	317.8	320.8
60°	6156.5	4808.5	897.9	411.0	360.8	333.1	308.5	287.0	286.0	290.1	291.1
62.5°	6954.0	5559.9	1138.8	418.2	370.0	321.9	287.0	264.5	260.4	262.4	263.4
65°	7563.9	5918.7	1063.0	412.1	389.5	313.7	266.5	242.9	234.7	232.7	232.7
67.5°	7315.8	5444.1	740.1	395.7	398.7	314.7	250.1	220.4	210.1	205.0	204.0
70°	6225.1	4422.1	514.6	379.3	388.5	312.6	232.7	201.9	188.6	181.4	180.4
72.5°	4918.2	3376.5	416.2	346.5	352.6	281.9	207.1	181.4	170.2	160.9	160.9
75°	3165.4	2060.4	347.5	308.5	288.0	219.4	179.4	162.0	150.7	141.5	141.5
77.5°	1065.0	764.7	269.6	261.4	215.3	165.0	150.7	139.4	130.2	122.0	121.0
80°	432.6	362.9	197.8	197.8	150.7	126.1	117.9	112.8	106.6	96.4	96.4
82.5°	251.1	220.4	138.4	119.9	100.5	87.1	82.0	76.9	76.9	69.7	69.7
85°	121.0	122.0	83.0	73.8	57.4	50.2	48.2	45.1	44.1	40.0	39.0
87.5°	65.6	66.6	42.0	32.8	22.6	19.5	16.4	15.4	14.4	13.3	13.3
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)