

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: P639020

Luminaire Tested: GWS-SA5B-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11139.5 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

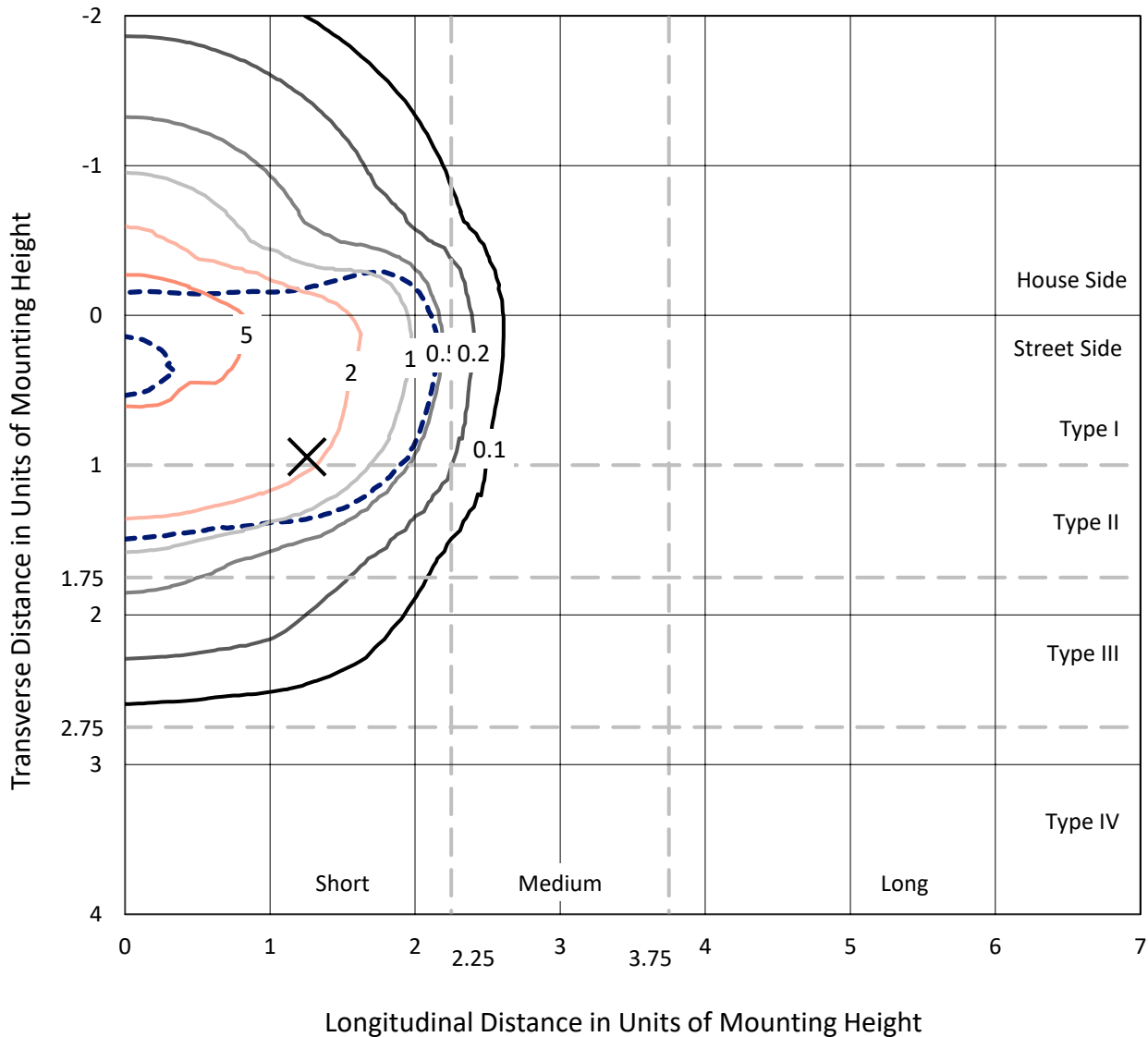
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639020
 CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

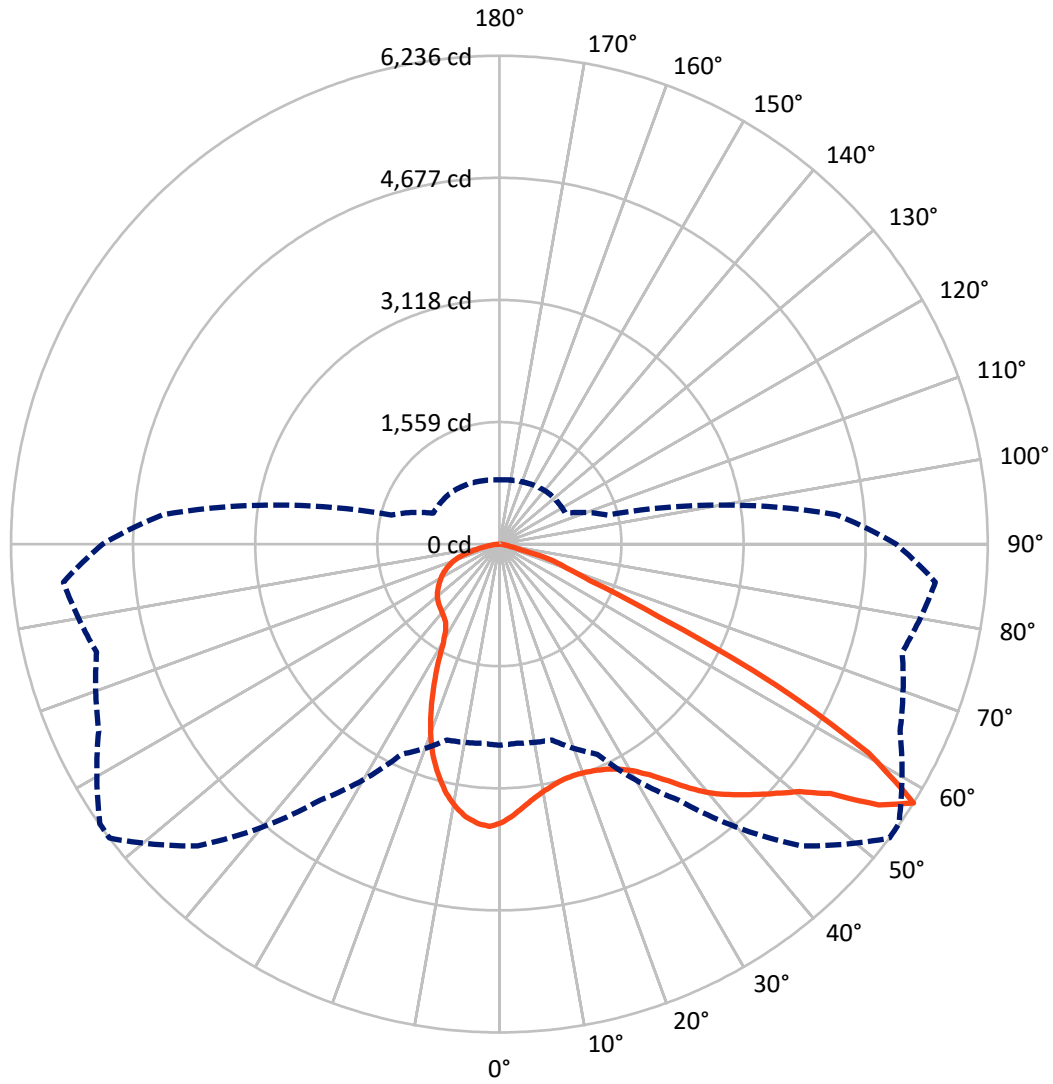
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

REPORT NUMBER: P639020
CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639020

CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3482.9	0.0	3482.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	7656.6	0.0	7656.6
	% Fixture	68.7	0.0	68.7
Total	Lumens	11139.5	0.0	11139.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.7	2.9
10°-20°	843.9	7.6
20°-30°	1243.4	11.2
30°-40°	1740.4	15.6
40°-50°	2287.9	20.5
50°-60°	2682.6	24.1
60°-70°	1580.3	14.2
70°-80°	393.1	3.5
80°-90°	46.1	0.4
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°	11139.5	100.0
0°-180°	11139.5	100.0

Coefficient of Utilization



REPORT NUMBER: P639020

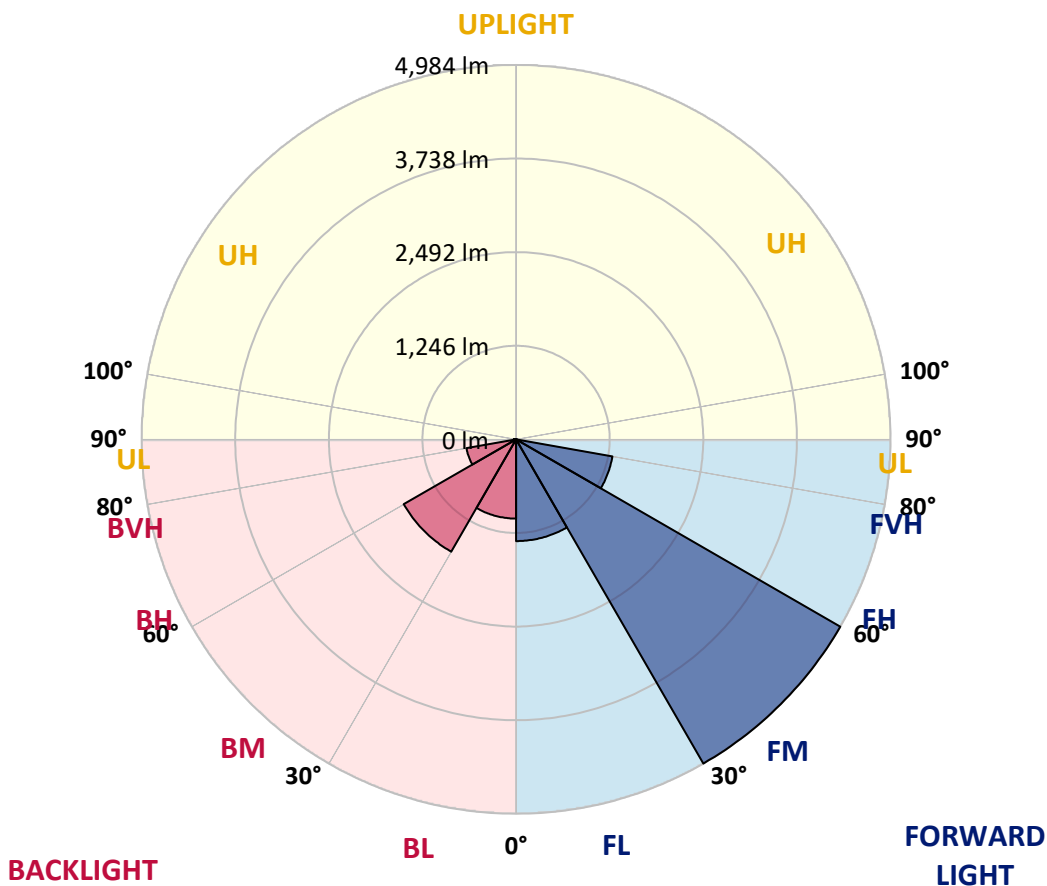
CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1354.3	12.2			
FM (30°-60°)	4983.9	44.7			
FH (60°-80°)	1302.9	11.7			G1/1800
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	1054.6	9.5	B3/2500		
BM (30°-60°)	1727.0	15.5	B2/2500		
BH (60°-80°)	670.6	6.0	B2/1000		G2/1000
BVH (80°-90°)	30.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P639020

CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1
2.5°	3352.8	3362.1	3364.0	3393.1	3394.9	3437.1	3465.3	3459.6	3488.7	3524.3	3552.5
5°	3192.4	3193.4	3202.7	3237.4	3256.2	3311.5	3358.4	3358.4	3414.6	3487.8	3550.6
7.5°	3060.2	3059.3	3067.7	3106.2	3137.1	3203.7	3267.4	3274.9	3353.7	3460.6	3562.8
10°	2937.4	2944.0	2953.3	3000.2	3039.6	3122.1	3198.1	3210.2	3309.6	3441.8	3579.6
12.5°	2858.7	2859.6	2873.7	2926.2	2976.8	3064.9	3144.6	3159.6	3274.0	3424.0	3591.8
15°	2808.0	2809.0	2824.0	2882.1	2941.2	3030.2	3111.8	3128.7	3253.4	3421.2	3615.3
17.5°	2785.5	2784.6	2798.6	2856.8	2921.5	3014.3	3101.5	3122.1	3262.7	3442.8	3656.5
20°	2785.5	2786.5	2794.0	2846.5	2912.1	3010.5	3111.8	3137.1	3299.3	3491.5	3720.3
22.5°	2824.9	2828.7	2832.4	2868.0	2919.6	3016.2	3139.0	3172.7	3378.1	3573.1	3803.7
25°	2901.8	2902.7	2906.5	2935.5	2959.0	3032.1	3184.0	3234.6	3500.9	3692.2	3908.7
27.5°	3004.9	3018.0	3021.8	3040.5	3040.5	3071.5	3254.3	3327.4	3666.8	3863.7	4042.8
30°	3149.3	3154.0	3160.6	3181.2	3158.7	3145.5	3357.4	3451.2	3859.0	4070.9	4204.1
32.5°	3275.9	3286.2	3321.8	3355.6	3315.3	3274.0	3509.3	3620.0	4043.7	4286.6	4375.6
35°	3383.7	3409.0	3477.4	3552.5	3524.3	3483.1	3710.9	3826.2	4195.6	4441.3	4527.5
37.5°	3514.0	3533.7	3627.5	3749.3	3774.7	3755.0	3956.5	4039.1	4296.9	4480.7	4610.0
40°	3646.2	3676.2	3797.2	3965.9	4062.5	4076.6	4183.4	4238.8	4331.6	4403.8	4594.1
42.5°	3781.2	3832.8	3998.7	4195.6	4367.2	4399.1	4374.7	4398.1	4320.3	4297.8	4520.0
45°	3946.2	4007.2	4194.7	4446.0	4671.9	4721.6	4562.2	4540.7	4318.5	4257.5	4474.1
47.5°	4141.2	4202.2	4381.3	4673.8	4962.6	4999.1	4754.4	4715.0	4384.1	4319.4	4536.0
50°	4313.8	4356.0	4516.3	4843.5	5233.5	5255.1	4966.3	4918.5	4547.2	4491.0	4729.1
52.5°	4138.4	4133.7	4302.5	4705.7	5374.2	5633.9	5292.6	5246.6	4862.2	4776.0	5028.2
55°	3511.2	3457.8	3608.7	4005.3	4981.3	5970.5	5877.6	5785.7	5282.3	5062.9	5308.5
57.5°	2567.1	2552.1	2588.6	2960.8	3990.3	5449.2	6235.8	6227.3	5645.1	5325.4	5587.9
60°	2007.3	1984.8	1887.3	1897.6	2719.9	4256.6	5411.7	5660.1	5870.1	5482.9	5782.9
62.5°	1782.3	1765.4	1714.8	1575.1	1620.1	2854.0	3966.9	4194.7	5129.4	4842.6	4967.2
65°	1475.7	1471.0	1513.2	1507.6	1357.6	1576.1	2238.9	2468.6	3225.2	3265.6	3225.2
67.5°	1072.6	1064.1	1171.0	1382.0	1307.0	1189.8	1247.9	1327.6	1653.9	1485.1	1337.0
70°	697.6	685.4	747.2	998.5	1170.1	1037.0	899.1	886.0	909.4	565.4	611.3
72.5°	467.8	453.8	452.8	549.4	706.9	698.5	696.6	690.1	616.0	446.3	495.0
75°	260.6	249.4	246.6	237.2	253.1	257.8	274.7	284.1	307.5	338.5	375.0
77.5°	44.1	43.1	54.4	69.4	95.6	122.8	151.9	160.3	197.8	234.4	257.8
80°	24.4	25.3	32.8	40.3	53.4	73.1	93.8	99.4	121.9	141.6	160.3
82.5°	13.1	13.1	16.9	21.6	29.1	38.4	50.6	55.3	70.3	82.5	95.6
85°	4.7	4.7	6.6	8.4	12.2	15.9	19.7	22.5	30.9	42.2	47.8
87.5°	0.0	0.0	0.0	0.0	0.9	1.9	3.8	3.8	4.7	8.4	12.2
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: P639020
 CATALOG NUMBER: GWS-SA5B-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1
2.5°	3575.9	3550.6	3585.3	3601.2	3606.8	3610.6	3586.2	3569.3	3563.7	3545.9	3535.6
5°	3589.0	3572.1	3605.0	3605.0	3581.5	3557.1	3507.5	3472.8	3448.4	3419.3	3414.6
7.5°	3611.5	3599.3	3617.1	3580.6	3521.5	3455.9	3369.6	3302.1	3247.7	3212.1	3213.1
10°	3641.5	3626.5	3612.5	3530.9	3423.1	3302.1	3169.9	3071.5	2981.5	2940.2	2917.7
12.5°	3661.2	3639.6	3580.6	3445.6	3287.1	3124.9	2938.3	2792.1	2661.8	2602.7	2598.0
15°	3685.6	3646.2	3528.1	3334.9	3114.6	2893.3	2653.3	2449.9	2273.6	2181.7	2177.0
17.5°	3717.5	3652.8	3465.3	3208.4	2932.7	2606.4	2304.5	2048.6	1861.1	1789.8	1802.0
20°	3762.5	3660.3	3394.0	3067.7	2706.8	2280.2	1904.2	1668.9	1596.7	1592.0	1582.6
22.5°	3813.1	3665.0	3315.3	2910.2	2433.0	1932.3	1573.2	1472.9	1472.0	1495.4	1501.1
25°	3870.3	3668.7	3226.2	2726.5	2136.7	1585.4	1391.4	1361.4	1384.8	1428.9	1434.5
27.5°	3943.4	3676.2	3118.4	2524.9	1821.7	1369.8	1291.0	1283.5	1311.7	1352.9	1351.0
30°	4051.2	3703.4	3004.0	2293.3	1498.2	1267.6	1230.1	1231.0	1242.3	1262.0	1264.8
32.5°	4160.9	3745.6	2892.4	2032.7	1312.6	1209.5	1192.6	1190.7	1190.7	1199.2	1201.0
35°	4265.0	3793.4	2771.5	1760.8	1222.6	1175.7	1164.5	1158.8	1156.0	1154.1	1151.3
37.5°	4323.1	3816.9	2653.3	1492.6	1174.8	1153.2	1142.0	1134.5	1124.1	1116.6	1114.8
40°	4297.8	3789.7	2516.4	1292.0	1145.7	1131.6	1118.5	1108.2	1094.1	1087.6	1083.8
42.5°	4213.4	3705.3	2367.4	1197.3	1122.3	1108.2	1092.3	1075.4	1066.0	1060.4	1059.5
45°	4124.4	3603.1	2187.4	1142.0	1099.8	1082.9	1064.1	1045.4	1035.1	1032.3	1031.3
47.5°	4121.6	3552.5	1996.1	1097.9	1072.6	1055.7	1032.3	1013.5	1002.3	998.5	994.8
50°	4245.3	3604.0	1780.4	1059.5	1044.5	1026.6	1000.4	979.8	965.7	961.0	960.1
52.5°	4502.2	3798.1	1587.3	1021.0	1007.0	986.3	964.8	944.1	927.3	918.8	917.9
55°	4779.7	4044.7	1467.3	981.6	962.9	945.1	925.4	902.9	884.1	871.0	869.1
57.5°	5066.6	4313.8	1430.7	931.9	917.9	905.7	882.3	857.9	836.3	824.1	821.3
60°	5302.9	4545.3	1499.2	879.4	871.9	856.0	834.4	811.0	796.0	786.6	784.7
62.5°	4439.4	3700.6	1210.4	822.2	822.2	805.4	781.0	764.1	753.8	747.2	745.4
65°	2817.4	2291.4	826.0	765.1	764.1	741.6	721.0	709.7	705.1	694.7	692.9
67.5°	1227.3	1047.3	706.0	706.9	703.2	678.8	658.2	649.7	640.4	629.1	628.2
70°	636.6	648.8	631.9	642.2	635.7	606.6	586.9	573.8	554.1	542.9	543.8
72.5°	513.8	526.9	545.7	561.6	547.5	524.1	493.2	477.2	451.9	439.7	440.7
75°	391.9	406.0	423.8	440.7	429.4	400.3	380.7	364.7	335.7	321.6	324.4
77.5°	270.0	277.5	299.1	298.1	294.4	286.0	256.9	238.1	208.1	191.3	193.1
80°	167.8	172.5	182.8	187.5	185.6	174.4	150.9	136.9	119.1	108.8	109.7
82.5°	101.3	104.1	113.4	114.4	113.4	105.0	87.2	76.9	65.6	60.0	60.0
85°	51.6	53.4	59.1	59.1	53.4	45.0	40.3	35.6	29.1	26.3	26.3
87.5°	14.1	14.1	17.8	15.0	12.2	11.3	5.6	4.7	1.9	0.9	0.9
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)