

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: P642343

Luminaire Tested: GWS-SA6C-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25212.6 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

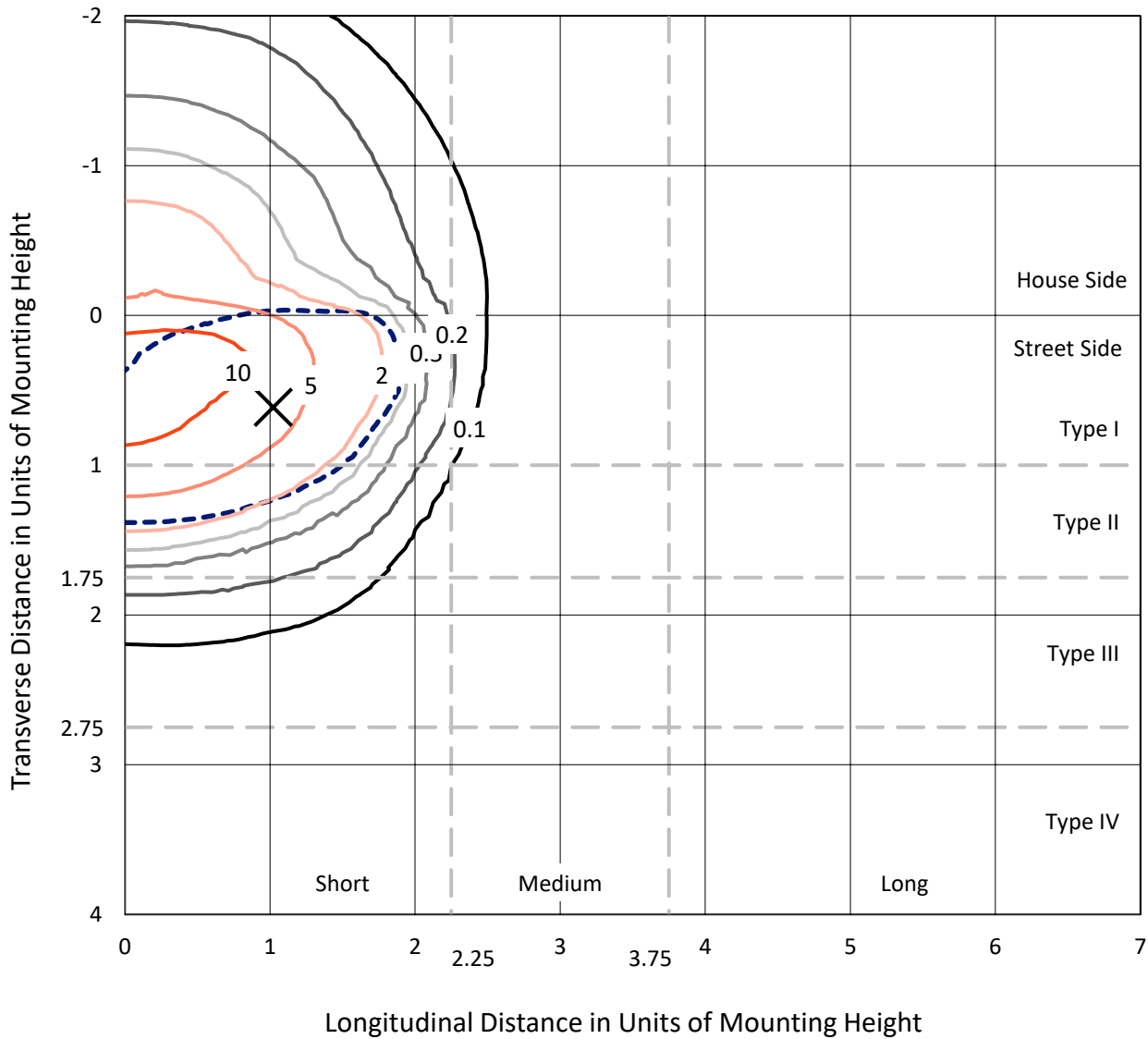
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

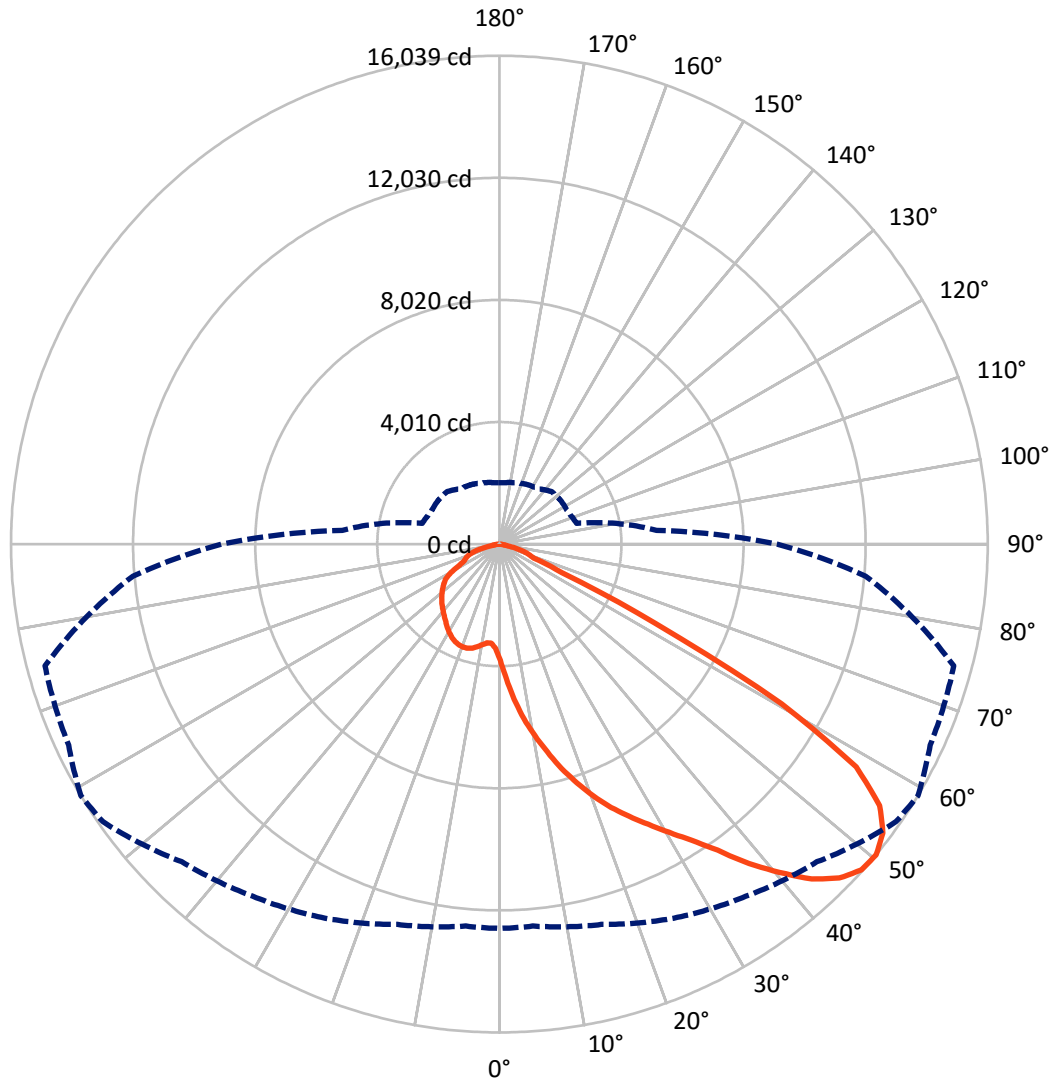
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5799.4	0.0	5799.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19413.2	0.0	19413.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	25212.6	0.0	25212.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.5	1.7
10°-20°	1555.6	6.2
20°-30°	2945.7	11.7
30°-40°	4884.9	19.4
40°-50°	6673.1	26.5
50°-60°	6057.4	24.0
60°-70°	2017.2	8.0
70°-80°	588.3	2.3
80°-90°	61.8	0.2
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°	25212.6	100.0
0°-180°	25212.6	100.0

Coefficient of Utilization



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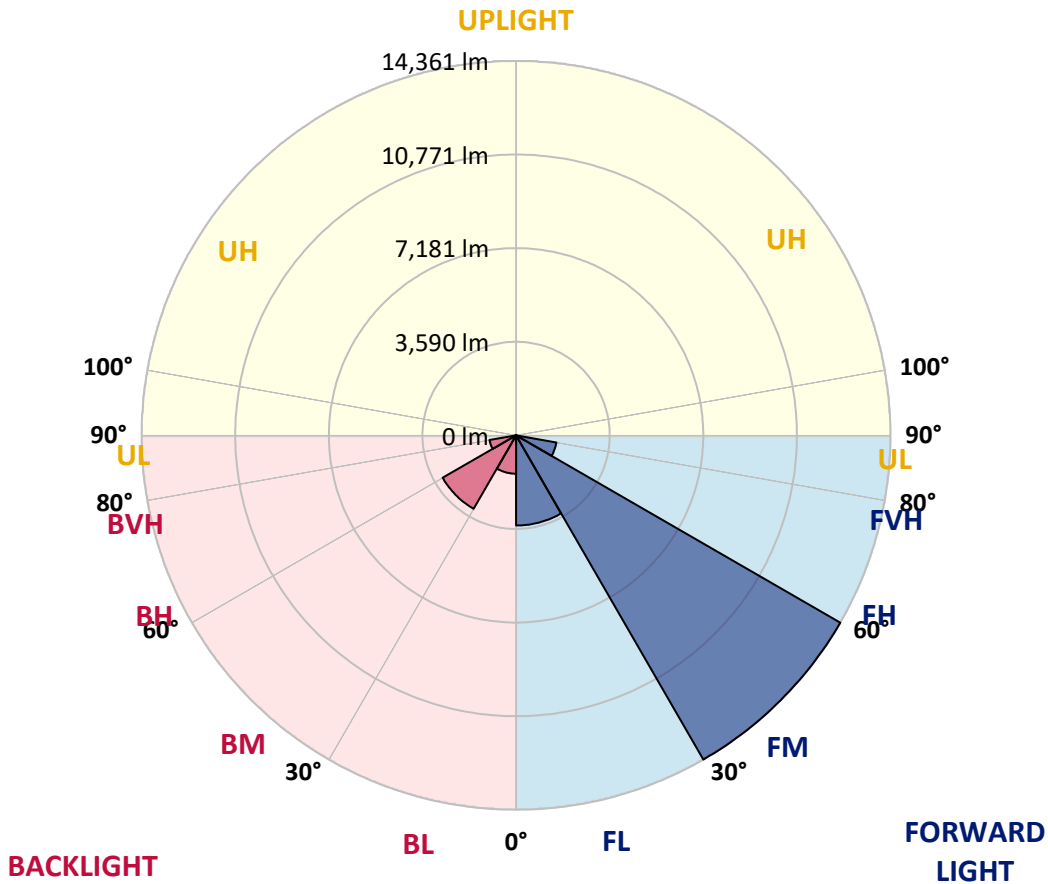
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3457.3	13.7			
FM (30°-60°)	14361.4	57.0			
FH (60°-80°)	1570.4	6.2			G1/1800
FVH (80°-90°)	24.2	0.1			G1/100
BL (0°-30°)	1472.6	5.8	B3/2500		
BM (30°-60°)	3254.0	12.9	B3/5000		
BH (60°-80°)	1035.1	4.1	B3/2500		G3/2500
BVH (80°-90°)	37.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9
2.5°	4949.4	4986.4	4928.9	4933.0	4789.2	4723.5	4538.7	4429.8	4358.0	4156.7	3973.9
5°	5947.5	5904.4	5859.2	5832.5	5707.2	5530.6	5300.6	5117.8	4949.4	4555.1	4175.2
7.5°	6559.5	6536.9	6506.1	6489.7	6366.5	6181.6	5951.6	5795.5	5551.2	5017.2	4419.6
10°	7079.1	7052.4	7033.9	7046.3	6945.6	6826.5	6576.0	6397.3	6122.1	5506.0	4715.3
12.5°	7481.6	7496.0	7502.2	7567.9	7524.8	7452.9	7194.1	7005.2	6699.2	6021.5	5062.4
15°	7800.0	7795.9	7867.7	7993.0	8062.8	8017.7	7810.2	7652.1	7278.3	6528.7	5436.2
17.5°	7873.9	7878.0	7991.0	8210.7	8438.7	8549.6	8432.5	8243.6	7873.9	7029.8	5824.3
20°	7933.5	7941.7	8058.7	8309.3	8642.0	8952.1	8970.6	8835.0	8516.7	7572.0	6218.6
22.5°	8309.3	8327.8	8358.6	8516.7	8816.5	9208.8	9424.4	9395.7	9128.7	8140.9	6643.7
25°	9297.1	9241.7	9091.7	9046.6	9161.6	9479.9	9847.5	9903.0	9771.5	8767.3	7101.7
27.5°	10517.0	10457.5	10235.7	10001.5	9753.0	9863.9	10256.2	10422.5	10424.6	9457.3	7561.7
30°	11624.0	11576.7	11396.0	11061.2	10632.0	10471.8	10761.4	10985.3	11118.7	10254.1	8085.4
32.5°	12570.7	12527.6	12283.2	12010.1	11591.1	11268.7	11373.4	11589.0	11901.2	11285.1	8736.5
35°	13367.6	13324.4	13090.3	12815.1	12427.0	12233.9	12196.9	12344.8	12749.4	12361.2	9484.0
37.5°	14014.5	13971.3	13726.9	13468.2	13172.4	13184.8	13240.2	13312.1	13544.2	13513.4	10282.9
40°	14433.4	14388.2	14213.7	14028.8	13842.0	13989.8	14265.0	14178.8	14302.0	14443.7	11018.1
42.5°	14620.3	14562.8	14462.2	14421.1	14363.6	14593.6	15123.5	15037.2	14889.3	15063.9	11564.4
45°	14433.4	14384.1	14382.1	14507.4	14640.8	14936.6	15717.0	15647.2	15273.4	15363.8	11890.9
47.5°	13860.4	13817.3	13934.4	14263.0	14591.6	15022.8	15981.9	15994.2	15546.5	15489.0	12102.5
50°	12622.1	12593.3	12932.2	13554.4	14121.3	14753.8	15897.7	16039.4	15612.2	15450.0	12075.8
52.5°	10104.2	10237.7	10975.0	12014.2	13114.9	14281.4	15585.6	15770.4	15296.0	15193.3	11932.0
55°	6916.9	6978.5	7715.8	9233.4	10979.1	13258.7	14868.8	15154.3	14922.2	15150.2	12081.9
57.5°	3581.7	3630.9	4212.1	5559.4	7446.7	10478.0	12878.8	13815.3	14168.5	15367.9	12548.1
60°	1470.5	1511.5	1751.8	2402.8	3756.2	6101.6	9268.4	10656.7	11486.4	14035.0	11143.4
62.5°	1067.9	1088.5	1203.5	1433.5	1967.4	2990.2	5245.2	5756.5	6339.8	8796.0	7075.0
65°	899.5	922.1	1014.5	1154.2	1435.5	1834.0	2240.6	2252.9	2482.9	3583.7	2622.6
67.5°	753.7	774.2	856.4	975.5	1160.3	1302.0	1203.5	1205.5	1201.4	1300.0	1256.9
70°	587.4	603.8	685.9	813.3	909.8	835.9	940.6	1041.2	998.1	1037.1	1096.7
72.5°	429.2	447.7	519.6	616.1	591.5	595.6	761.9	864.6	840.0	883.1	938.5
75°	310.1	322.4	359.4	308.1	324.5	392.3	536.0	591.5	616.1	653.1	702.4
77.5°	100.6	100.6	113.0	141.7	176.6	217.7	273.1	295.7	332.7	373.8	408.7
80°	51.3	53.4	63.7	78.0	98.6	125.3	160.2	170.5	188.9	211.5	225.9
82.5°	24.6	26.7	30.8	39.0	51.3	65.7	88.3	98.6	110.9	125.3	135.5
85°	6.2	6.2	8.2	12.3	16.4	24.6	32.9	39.0	49.3	59.6	65.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	6.2	8.2	10.3	12.3	16.4
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°	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9	3819.9
2.5°	3891.8	3776.8	3628.9	3503.6	3388.6	3300.3	3224.3	3187.3	3152.4	3127.8	3136.0
5°	3998.6	3801.4	3526.2	3335.2	3218.2	3158.6	3117.5	3097.0	3092.9	3076.4	3070.3
7.5°	4154.6	3873.3	3505.7	3312.6	3234.6	3203.8	3181.2	3168.9	3175.0	3158.6	3152.4
10°	4347.7	3992.4	3557.0	3386.6	3318.8	3296.2	3271.5	3255.1	3246.9	3222.3	3218.2
12.5°	4588.0	4140.3	3649.4	3481.0	3413.3	3374.2	3341.4	3312.6	3294.1	3263.3	3255.1
15°	4846.7	4304.6	3758.3	3573.4	3493.3	3435.8	3382.4	3339.3	3306.5	3265.4	3259.2
17.5°	5128.1	4477.1	3848.6	3637.1	3534.4	3458.4	3380.4	3316.7	3271.5	3218.2	3212.0
20°	5421.8	4651.6	3916.4	3667.9	3536.5	3433.8	3329.1	3244.9	3187.3	3134.0	3129.8
22.5°	5725.7	4811.8	3957.5	3659.7	3503.6	3376.3	3251.0	3156.5	3088.8	3025.1	3021.0
25°	6031.7	4965.9	3967.8	3626.8	3437.9	3290.0	3164.8	3053.9	2977.9	2906.0	2897.8
27.5°	6341.8	5095.2	3943.1	3561.1	3349.6	3189.4	3064.1	2955.3	2877.2	2805.4	2793.0
30°	6672.5	5206.1	3889.7	3474.9	3246.9	3082.6	2959.4	2877.2	2803.3	2731.4	2719.1
32.5°	7025.7	5302.7	3813.7	3370.1	3127.8	2975.8	2885.5	2811.5	2737.6	2673.9	2661.6
35°	7446.7	5366.3	3700.8	3234.6	3016.9	2897.8	2836.2	2749.9	2659.5	2589.7	2583.6
37.5°	7882.1	5415.6	3565.2	3105.2	2920.4	2852.6	2801.3	2684.2	2571.2	2487.0	2476.8
40°	8303.1	5456.7	3396.8	2984.0	2832.1	2819.7	2749.9	2604.1	2409.0	2314.5	2306.3
42.5°	8695.4	5469.0	3220.2	2854.6	2752.0	2745.8	2667.8	2441.9	2291.9	2232.4	2224.2
45°	8964.4	5458.7	3037.4	2733.5	2671.9	2639.0	2556.9	2324.8	2232.4	2179.0	2168.7
47.5°	9163.6	5405.3	2832.1	2606.1	2581.5	2536.3	2359.7	2250.9	2164.6	2111.2	2100.9
50°	9128.7	5183.5	2624.6	2482.9	2472.7	2433.6	2215.9	2158.4	2082.5	2025.0	2016.7
52.5°	8948.0	4762.5	2413.1	2347.4	2367.9	2291.9	2113.3	2047.5	1981.8	1916.1	1901.7
55°	8993.2	4458.6	2252.9	2215.9	2252.9	2080.4	1998.3	1928.4	1866.8	1803.2	1790.8
57.5°	9190.3	4158.7	2082.5	2074.2	2113.3	1918.2	1850.4	1762.1	1673.8	1622.4	1622.4
60°	7717.8	3031.3	1782.6	1803.2	1891.5	1786.7	1727.2	1636.8	1540.3	1495.1	1495.1
62.5°	4563.3	1901.7	1478.7	1456.1	1511.5	1577.2	1610.1	1536.2	1421.2	1361.6	1363.7
65°	2010.6	1384.2	1304.1	1285.6	1269.2	1314.4	1404.7	1410.9	1289.7	1219.9	1222.0
67.5°	1238.4	1252.8	1219.9	1205.5	1191.1	1182.9	1174.7	1178.8	1146.0	1082.3	1080.2
70°	1117.2	1156.2	1133.6	1121.3	1102.8	1088.5	1039.2	959.1	903.6	887.2	905.7
72.5°	961.1	1014.5	1002.2	996.0	973.5	938.5	872.8	794.8	729.1	688.0	696.2
75°	725.0	768.1	774.2	776.3	751.7	718.8	651.0	585.3	527.8	484.7	494.9
77.5°	416.9	441.5	447.7	453.9	435.4	423.1	377.9	330.6	299.8	254.7	267.0
80°	232.1	242.3	242.3	244.4	234.1	219.7	188.9	162.2	147.9	127.3	129.4
82.5°	139.7	143.8	145.8	147.9	141.7	127.3	104.7	86.3	78.0	67.8	65.7
85°	67.8	71.9	71.9	73.9	63.7	55.4	43.1	32.9	28.8	20.5	22.6
87.5°	16.4	18.5	18.5	16.4	14.4	10.3	6.2	2.1	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)