

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: P642181

Luminaire Tested: GWS-SA6C-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17293.8 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

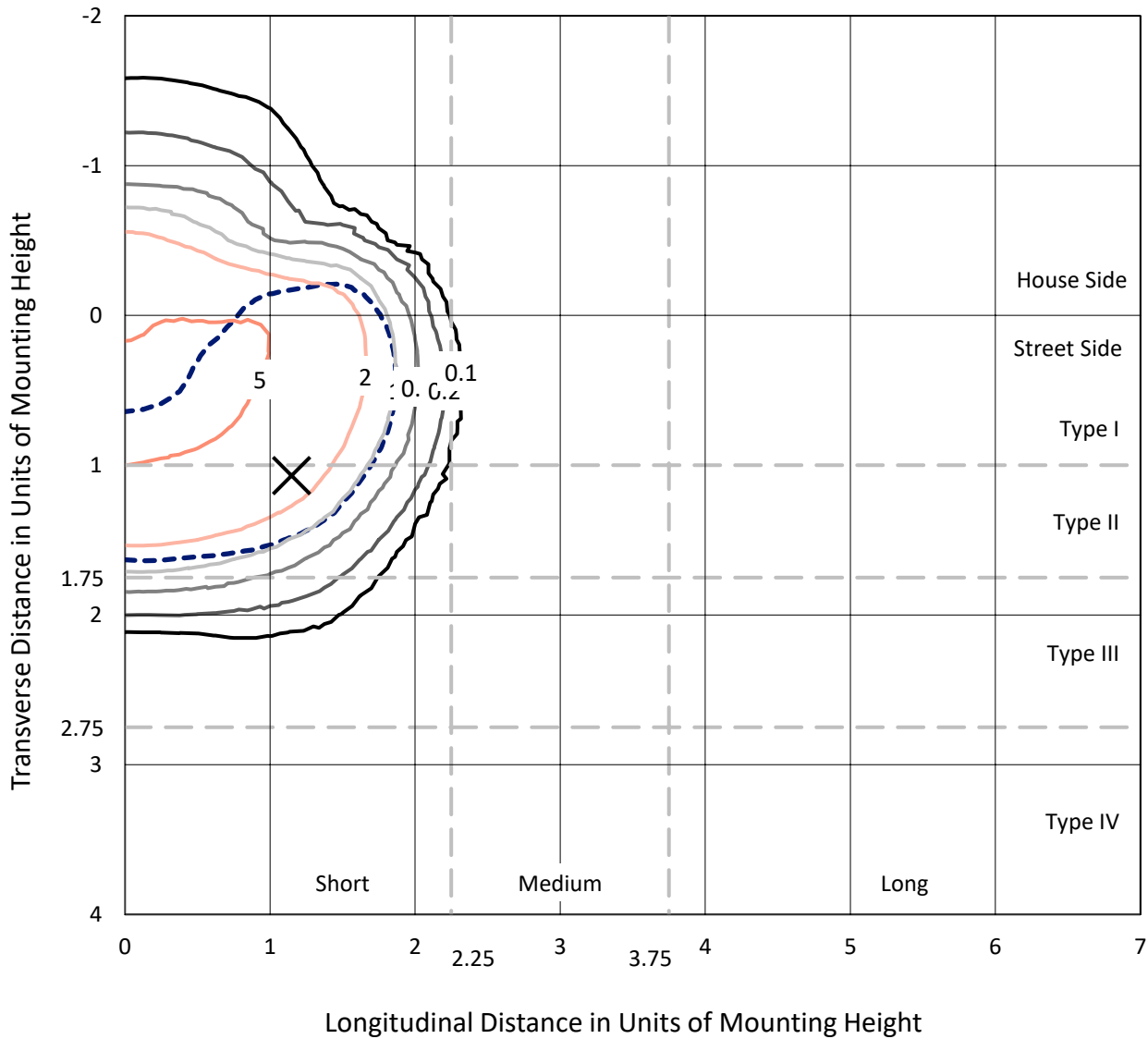
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

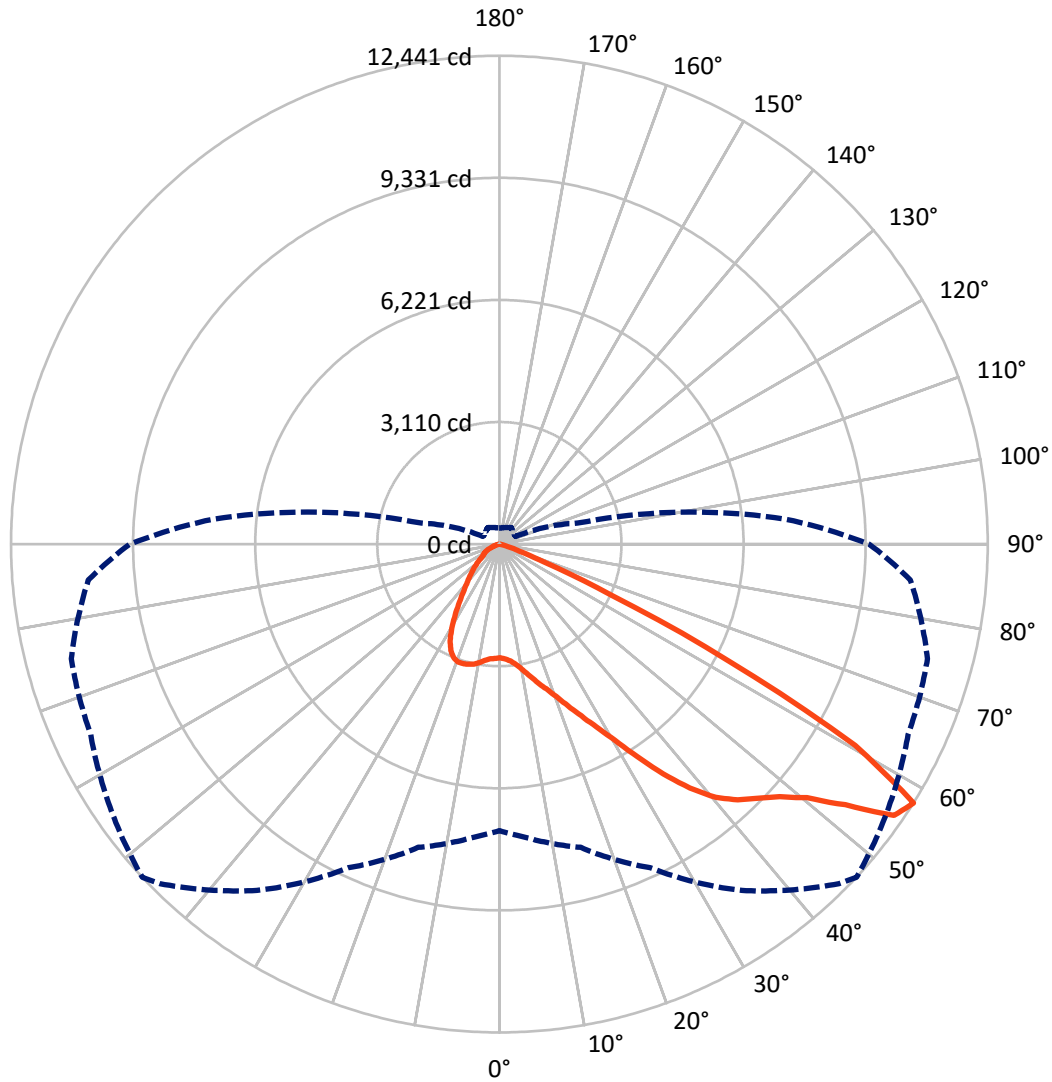
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3751.9	0.0	3751.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	13541.9	0.0	13541.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	17293.8	0.0	17293.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.0	1.7
10°-20°	971.8	5.6
20°-30°	1804.5	10.4
30°-40°	2888.6	16.7
40°-50°	4222.5	24.4
50°-60°	5211.3	30.1
60°-70°	1741.3	10.1
70°-80°	162.3	0.9
80°-90°	3.4	0.0
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°	17293.8	100.0
0°-180°	17293.8	100.0

Coefficient of Utilization



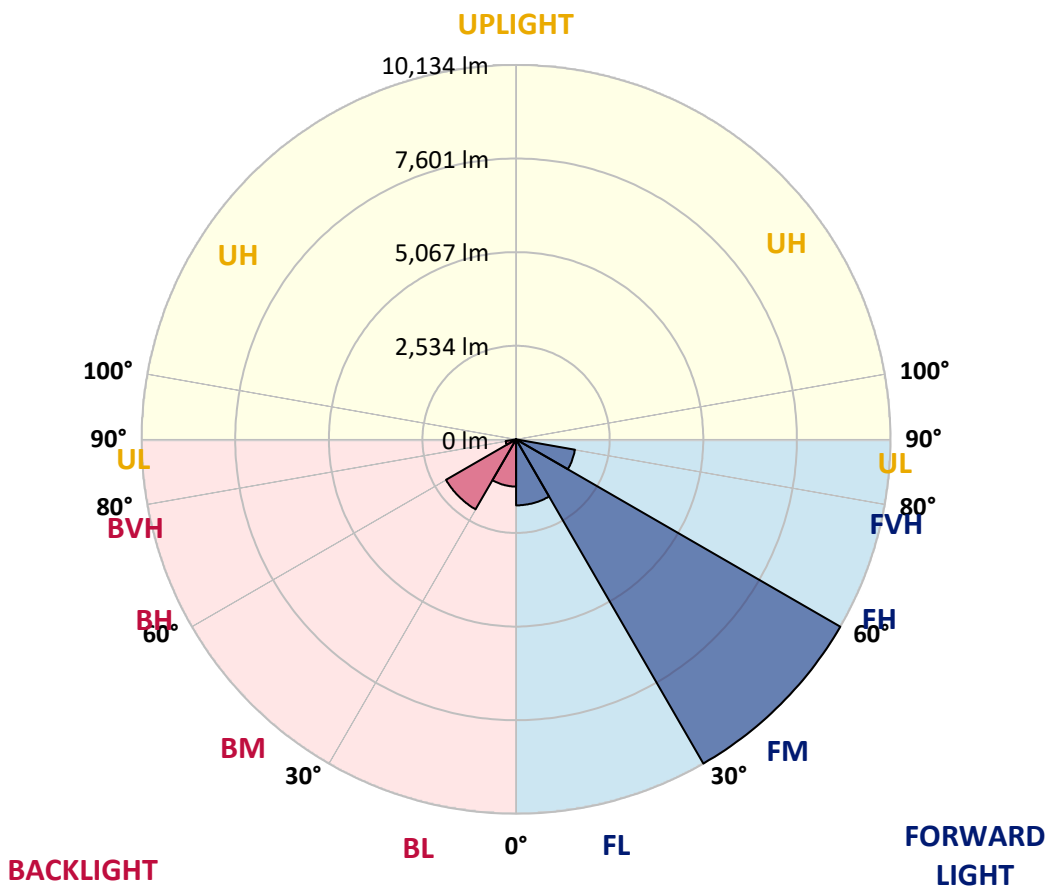
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1787.3	10.3			
FM (30°-60°)	10134.0	58.6			
FH (60°-80°)	1618.3	9.4			G1/1800
FVH (80°-90°)	2.3	0.0			G0/10
BL (0°-30°)	1277.1	7.4	B3/2500		
BM (30°-60°)	2188.5	12.7	B2/2500		
BH (60°-80°)	285.2	1.6	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0
2.5°	2925.1	2923.1	2921.1	2933.1	2929.1	2927.1	2931.1	2931.1	2931.1	2919.1	2895.0
5°	2995.4	2995.4	2993.4	3005.4	2995.4	2989.4	2991.4	2991.4	2983.3	2961.3	2931.1
7.5°	3105.8	3101.8	3097.8	3109.8	3099.8	3097.8	3101.8	3089.7	3075.7	3039.5	2997.4
10°	3264.4	3264.4	3258.4	3270.4	3262.4	3258.4	3258.4	3250.4	3224.3	3168.0	3105.8
12.5°	3483.2	3473.2	3459.1	3449.1	3445.1	3443.1	3445.1	3433.0	3404.9	3332.7	3246.3
15°	3722.1	3714.1	3692.0	3676.0	3653.9	3649.9	3661.9	3651.9	3623.8	3525.4	3402.9
17.5°	4023.3	4033.3	3977.1	3943.0	3878.7	3874.7	3878.7	3894.8	3874.7	3748.2	3569.6
20°	4280.3	4288.3	4246.1	4222.0	4163.8	4137.7	4145.8	4171.9	4149.8	4001.2	3752.3
22.5°	4555.3	4565.3	4521.2	4471.0	4444.9	4444.9	4475.0	4511.1	4481.0	4286.3	3961.1
25°	4884.6	4892.6	4856.5	4790.2	4744.0	4802.2	4846.4	4942.8	4892.6	4627.6	4208.0
27.5°	5262.0	5264.0	5211.8	5143.5	5119.5	5227.9	5272.0	5420.6	5400.5	5011.0	4469.0
30°	5665.5	5667.5	5655.5	5609.3	5587.2	5729.8	5790.0	6004.8	5990.8	5486.8	4824.3
32.5°	6085.1	6085.1	6107.2	6103.2	6129.3	6362.2	6458.5	6703.5	6689.4	6069.1	5266.0
35°	6506.7	6508.7	6546.9	6643.2	6751.7	7060.8	7187.3	7484.4	7452.3	6765.7	5830.2
37.5°	6986.5	6966.5	7018.7	7163.2	7404.1	7761.5	7882.0	8165.0	8128.9	7478.4	6567.0
40°	7564.7	7528.6	7528.6	7697.2	7970.3	8381.9	8484.2	8624.8	8502.3	8054.6	7289.7
42.5°	8203.2	8169.0	8124.9	8273.4	8502.3	8823.5	8907.8	8869.7	8769.3	8598.7	8112.8
45°	8849.6	8797.4	8827.5	8917.9	9050.4	9203.0	9235.1	9058.4	9012.2	9060.4	8793.4
47.5°	9341.5	9305.4	9379.6	9506.1	9614.5	9636.6	9614.5	9369.6	9365.6	9536.2	9265.2
50°	9506.1	9510.1	9714.9	9992.0	10166.6	10184.7	10154.6	9873.5	9835.4	9885.6	9520.2
52.5°	9522.2	9538.2	9837.4	10365.4	10841.2	11058.0	11033.9	10730.8	10357.4	10303.2	9905.6
55°	9134.7	9229.1	9646.7	10417.6	11429.4	12122.1	12202.4	11622.2	11068.1	11021.9	10734.8
57.5°	7301.7	7494.5	7998.4	9096.6	10772.9	12232.5	12441.3	12023.7	11487.7	11290.9	10511.9
60°	4364.6	4603.5	5087.3	6434.5	8199.2	10054.2	10413.6	10471.8	10224.9	9656.7	8064.6
62.5°	1873.1	1853.0	2449.3	3481.2	4876.5	6390.3	6552.9	6805.9	7020.7	6426.4	4894.6
65°	642.4	698.7	971.7	1570.0	2441.3	2967.3	3111.8	3338.7	3643.8	3007.4	1792.8
67.5°	397.5	421.6	560.1	927.5	1317.0	1296.9	1232.7	1196.5	1164.4	797.0	491.9
70°	289.1	309.2	393.5	638.4	885.4	622.4	540.1	437.7	485.8	447.7	349.3
72.5°	194.7	210.8	271.0	387.5	453.7	303.2	281.1	319.2	385.5	367.4	285.1
75°	116.4	126.5	154.6	188.7	184.7	156.6	158.6	224.9	295.1	275.0	202.8
77.5°	80.3	84.3	102.4	122.5	90.3	48.2	44.2	62.2	100.4	100.4	68.3
80°	20.1	26.1	26.1	16.1	14.1	12.0	12.0	18.1	28.1	20.1	10.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0
85°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0
87.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
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°	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0	2895.0
2.5°	2909.1	2885.0	2901.0	2897.0	2909.1	2913.1	2895.0	2891.0	2893.0	2868.9	2860.9
5°	2937.2	2909.1	2917.1	2909.1	2923.1	2935.2	2929.1	2937.2	2947.2	2929.1	2921.1
7.5°	2997.4	2969.3	2967.3	2955.2	2975.3	2983.3	2981.3	3003.4	3023.5	3011.4	2999.4
10°	3101.8	3063.6	3059.6	3049.6	3055.6	3061.6	3039.5	3043.6	3061.6	3047.6	3041.6
12.5°	3230.3	3184.1	3174.1	3150.0	3150.0	3119.9	3071.7	3061.6	3075.7	3065.6	3055.6
15°	3368.8	3306.6	3290.5	3248.3	3208.2	3152.0	3101.8	3089.7	3099.8	3087.7	3079.7
17.5°	3523.4	3453.1	3400.9	3326.6	3238.3	3172.1	3115.8	3089.7	3073.7	3049.6	3047.6
20°	3676.0	3583.6	3495.3	3376.8	3260.4	3160.0	3067.7	2999.4	2941.2	2905.0	2891.0
22.5°	3852.6	3716.1	3573.6	3406.9	3240.3	3087.7	2925.1	2808.7	2708.3	2674.2	2658.1
25°	4041.4	3864.7	3651.9	3435.1	3172.1	2927.1	2706.3	2533.6	2401.1	2357.0	2338.9
27.5°	4250.2	4007.2	3732.2	3429.0	3031.5	2698.3	2405.1	2190.3	2059.8	2019.7	2033.7
30°	4515.2	4191.9	3832.6	3366.8	2820.7	2377.0	2033.7	1853.0	1754.7	1716.5	1718.5
32.5°	4868.5	4456.9	3979.1	3234.3	2549.7	2011.6	1710.5	1578.0	1511.7	1461.6	1457.5
35°	5374.4	4860.5	4115.6	3021.5	2220.4	1686.4	1467.6	1363.2	1270.8	1212.6	1222.6
37.5°	5980.7	5368.4	4189.9	2734.4	1851.0	1433.4	1284.9	1178.5	1074.1	987.8	997.8
40°	6699.5	6032.9	4183.9	2357.0	1513.8	1260.8	1132.3	1007.8	877.3	799.0	807.1
42.5°	7500.5	6661.3	4053.4	1957.4	1254.8	1120.3	985.7	829.2	702.7	654.5	656.5
45°	8195.1	7171.3	3824.5	1543.9	1056.0	983.7	833.2	672.6	616.3	582.2	580.2
47.5°	8709.1	7544.7	3497.3	1214.6	895.4	859.3	684.6	602.3	558.1	530.0	526.0
50°	8996.2	7675.2	3135.9	951.6	756.9	728.8	612.3	546.1	516.0	497.9	493.9
52.5°	9381.6	7831.8	2876.9	750.9	634.4	596.3	564.1	507.9	487.9	473.8	467.8
55°	9992.0	8134.9	2652.1	596.3	528.0	520.0	532.0	485.8	473.8	451.7	443.7
57.5°	9417.8	7307.8	2059.8	461.8	445.7	475.8	514.0	463.8	433.6	413.6	405.5
60°	6627.2	4858.5	1035.9	371.4	397.5	445.7	483.8	419.6	389.5	393.5	389.5
62.5°	3653.9	2431.2	465.8	311.2	345.3	393.5	413.6	363.4	343.3	377.4	383.5
65°	1194.5	827.1	269.0	240.9	273.0	321.2	357.4	345.3	341.3	381.4	393.5
67.5°	367.4	273.0	182.7	172.7	188.7	236.9	301.1	373.4	401.5	413.6	419.6
70°	275.0	214.8	156.6	146.6	154.6	180.7	255.0	311.2	293.1	295.1	291.1
72.5°	220.8	170.6	134.5	128.5	128.5	124.5	134.5	168.6	190.7	200.8	200.8
75°	154.6	120.5	102.4	94.4	74.3	60.2	54.2	54.2	48.2	46.2	44.2
77.5°	52.2	44.2	40.2	32.1	22.1	18.1	16.1	14.1	10.0	6.0	4.0
80°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
82.5°	4.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0
85°	4.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0
87.5°	4.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	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)