

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: P634557

Luminaire Tested: GWS-SA3C-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634557  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-722-U-AFL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

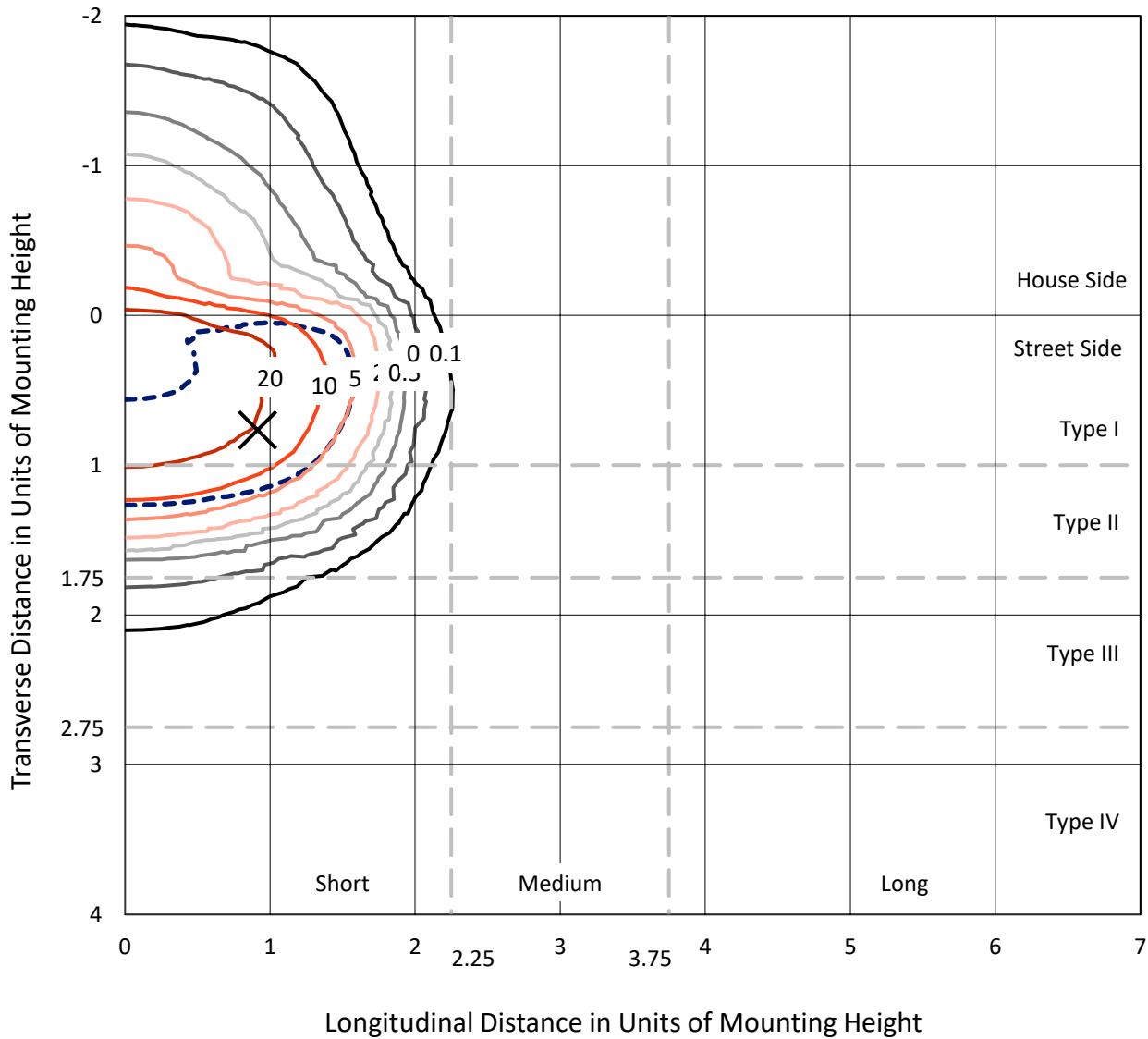
Lumens per Lamp: N/A  
Luminaire Lumens: 7738.7 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

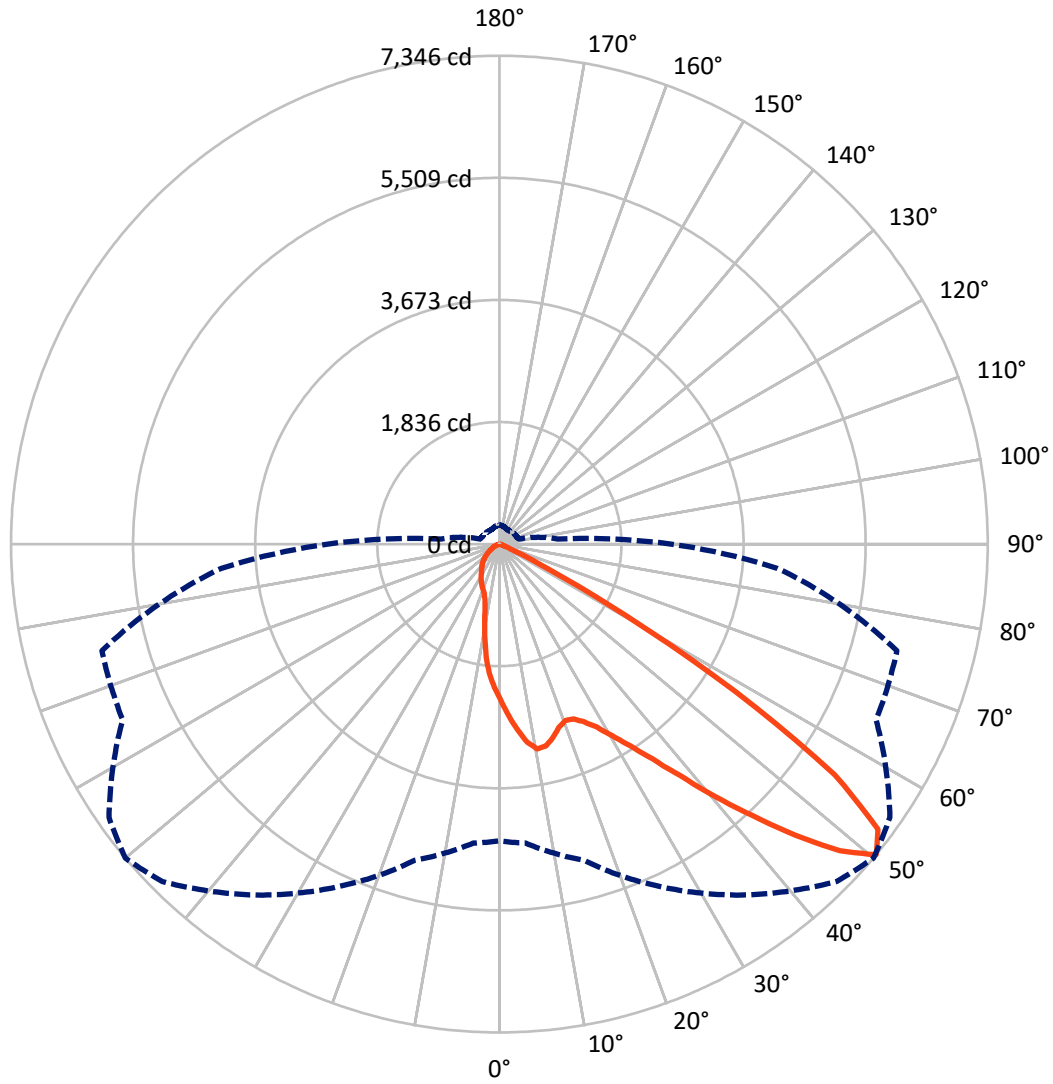
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	994.3	0.0	994.3
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	6744.4	0.0	6744.4
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	7738.7	0.0	7738.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.5	2.8
10°-20°	561.1	7.3
20°-30°	926.1	12.0
30°-40°	1528.2	19.7
40°-50°	2418.0	31.2
50°-60°	1830.7	23.7
60°-70°	229.1	3.0
70°-80°	25.9	0.3
80°-90°	2.0	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°	7738.7	100.0
0°-180°	7738.7	100.0

**Coefficient of Utilization**



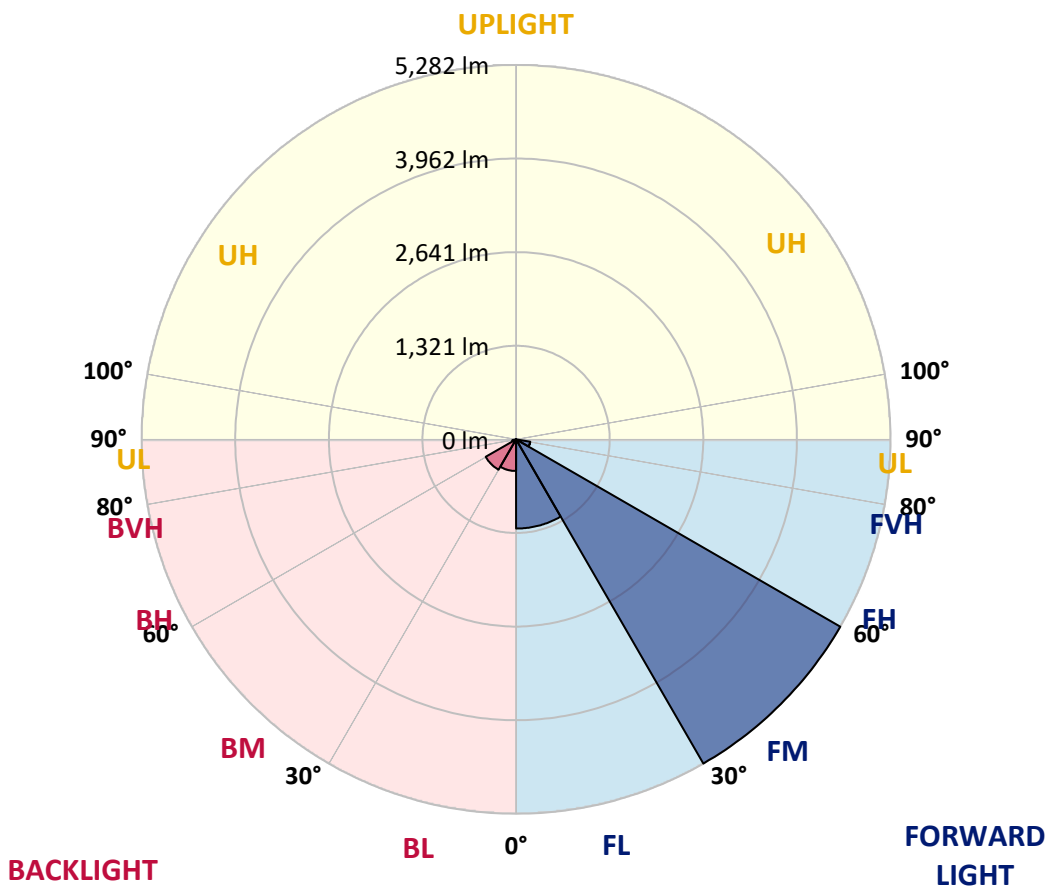
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1258.4	16.3			
FM (30°-60°)	5282.5	68.3			
FH (60°-80°)	202.6	2.6			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	446.3	5.8	B1/500		
BM (30°-60°)	494.5	6.4	B1/1000		
BH (60°-80°)	52.5	0.7	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5
2.5°	2671.6	2692.9	2687.0	2659.0	2628.8	2607.5	2574.3	2564.0	2488.9	2436.6	2381.3
5°	2994.2	3000.8	2993.4	2959.6	2906.5	2855.7	2801.2	2769.5	2643.6	2530.1	2414.5
7.5°	3071.5	3063.4	3077.4	3094.4	3087.0	3064.9	3007.4	2972.8	2822.6	2637.7	2462.4
10°	2829.9	2811.5	2863.8	2951.5	3043.5	3147.4	3132.7	3135.6	2997.1	2773.2	2525.0
12.5°	2509.5	2502.1	2541.2	2642.8	2823.3	3059.0	3115.7	3210.7	3157.0	2919.8	2596.4
15°	2368.8	2372.5	2396.1	2460.2	2589.8	2883.0	3019.2	3190.8	3299.9	3061.9	2675.2
17.5°	2390.2	2403.4	2402.7	2424.1	2502.9	2737.8	2896.9	3128.2	3410.3	3225.5	2765.8
20°	2535.3	2548.5	2528.7	2512.5	2539.0	2701.0	2832.9	3064.9	3484.7	3390.5	2861.6
22.5°	2752.6	2768.0	2720.9	2674.5	2657.6	2761.4	2857.2	3039.1	3541.5	3541.5	2947.0
25°	3015.5	3036.9	2964.0	2881.5	2834.3	2888.8	2961.0	3097.3	3599.6	3677.0	3005.2
27.5°	3309.4	3310.2	3247.6	3154.8	3066.4	3073.0	3116.4	3228.4	3663.7	3822.8	3050.9
30°	3640.2	3642.4	3559.1	3447.9	3336.7	3306.5	3343.3	3428.0	3797.0	4006.2	3114.2
32.5°	4067.4	4077.7	3958.4	3794.8	3650.5	3593.7	3615.1	3704.2	4009.2	4236.0	3209.3
35°	4644.8	4655.9	4479.8	4264.0	4034.2	3948.8	3970.1	4060.0	4316.3	4562.3	3361.0
37.5°	5215.0	5229.7	5051.4	4850.3	4535.1	4393.7	4415.8	4501.2	4777.4	5013.1	3604.1
40°	5609.0	5628.9	5573.7	5438.1	5145.7	4960.1	4986.6	5017.5	5284.9	5552.3	3919.3
42.5°	5816.7	5844.7	5868.3	5937.5	5783.6	5628.2	5583.2	5585.4	5801.3	6101.8	4247.1
45°	5829.3	5856.5	5977.3	6244.7	6361.8	6329.4	6247.6	6192.4	6195.3	6467.9	4451.9
47.5°	5424.1	5475.0	5701.1	6224.8	6665.3	6934.1	6892.9	6761.8	6361.1	6492.2	4429.8
50°	4464.4	4514.5	4925.5	5679.0	6444.3	7175.7	7345.9	7169.8	6252.8	6189.4	4202.2
52.5°	3242.4	3247.6	3514.2	4394.4	5548.6	6730.1	7130.8	7113.8	6087.8	5822.6	3891.3
55°	1540.2	1521.8	1821.6	2480.0	3837.6	5443.3	6118.7	6310.2	5853.6	5557.5	3650.5
57.5°	448.6	457.4	590.7	967.9	1919.5	3478.8	4190.4	4546.9	4804.7	4569.0	2831.4
60°	201.1	201.8	224.7	294.6	639.3	1618.3	2166.3	2607.5	2872.6	2662.0	1404.6
62.5°	145.8	146.6	155.4	166.5	217.3	548.0	812.4	1082.8	1102.7	721.8	355.8
65°	121.5	121.5	123.0	123.0	130.4	195.9	246.8	318.2	268.1	198.9	139.2
67.5°	98.0	98.7	100.2	100.2	98.0	98.0	106.1	116.4	124.5	153.9	128.2
70°	76.6	75.9	75.9	76.6	74.4	63.3	68.5	78.1	85.4	120.1	111.2
72.5°	59.7	60.4	59.7	56.7	51.6	37.6	40.5	50.8	54.5	75.1	75.1
75°	44.9	45.7	42.7	32.4	21.4	11.8	15.5	25.0	31.7	36.8	27.3
77.5°	5.9	5.9	4.4	4.4	3.7	4.4	4.4	5.9	8.8	8.8	6.6
80°	0.7	0.7	0.7	1.5	2.2	2.9	2.9	2.9	2.9	3.7	3.7
82.5°	0.7	0.7	0.7	0.7	2.2	2.2	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.7	1.5	2.2	2.2	2.9	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.7	1.5	2.2	2.2	2.2	2.9	2.9	2.9
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°	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5	2344.5
2.5°	2348.2	2305.5	2253.9	2218.6	2168.5	2135.3	2088.2	2056.5	2029.3	2007.9	2019.7
5°	2348.9	2281.2	2175.8	2086.0	1988.0	1898.2	1801.7	1725.8	1657.3	1626.4	1643.3
7.5°	2363.7	2266.4	2105.1	1945.3	1757.5	1571.9	1398.0	1256.6	1186.6	1153.5	1163.8
10°	2392.4	2259.8	2026.3	1761.2	1456.2	1202.8	1034.2	938.4	899.4	878.7	882.4
12.5°	2418.9	2255.4	1923.9	1518.8	1149.1	933.2	845.6	832.3	840.4	841.2	840.4
15°	2455.0	2247.3	1797.2	1269.9	919.2	806.5	808.8	827.9	847.1	853.0	851.5
17.5°	2493.3	2234.8	1633.7	1031.2	780.0	769.7	795.5	821.3	840.4	843.4	844.1
20°	2533.1	2209.0	1447.4	841.9	715.2	741.7	770.5	789.6	803.6	808.0	809.5
22.5°	2551.5	2154.5	1232.3	706.4	671.8	707.1	728.5	753.5	757.9	741.7	744.7
25°	2541.9	2062.4	1022.4	615.0	628.3	663.7	695.3	682.8	664.4	652.6	656.3
27.5°	2511.7	1940.1	816.9	548.0	581.9	626.8	630.5	616.5	613.6	604.0	606.9
30°	2479.3	1799.5	657.0	494.2	534.8	581.9	570.8	576.0	576.7	565.7	569.4
32.5°	2459.4	1652.1	523.0	458.1	504.6	513.4	535.5	545.8	546.5	520.8	525.2
35°	2466.1	1507.0	442.7	428.7	476.6	474.4	505.3	511.2	468.5	433.1	436.8
37.5°	2519.8	1373.0	397.0	405.9	428.0	444.9	468.5	429.4	419.8	403.6	405.9
40°	2620.0	1258.8	369.8	391.9	394.8	422.1	386.0	391.1	391.9	381.5	383.8
42.5°	2737.1	1163.8	353.6	383.8	376.4	380.8	344.7	355.0	366.1	361.7	362.4
45°	2796.0	1071.0	339.6	355.8	358.0	316.0	307.9	318.9	332.9	335.1	335.9
47.5°	2743.7	982.6	324.8	315.3	330.0	288.0	278.4	282.1	298.3	307.2	308.6
50°	2583.9	880.9	302.7	279.2	271.1	258.5	249.7	250.4	268.8	284.3	287.3
52.5°	2359.2	774.9	266.6	236.4	218.0	227.6	229.8	225.4	242.3	257.8	260.7
55°	2141.2	642.3	211.4	192.2	175.3	195.9	201.8	195.9	201.1	211.4	212.1
57.5°	1507.8	363.1	162.0	159.1	145.1	167.9	177.5	168.7	159.8	166.5	167.9
60°	699.0	190.0	124.5	124.5	120.8	144.4	160.6	148.1	131.1	134.1	136.3
62.5°	218.8	120.1	91.3	86.2	98.7	123.0	136.3	123.7	103.9	103.9	106.8
65°	123.7	103.1	72.2	66.3	80.3	98.7	106.8	93.5	75.9	74.4	74.4
67.5°	114.9	98.0	64.1	53.8	56.7	63.3	66.3	57.5	52.3	51.6	52.3
70°	95.0	81.8	51.6	36.8	34.6	33.9	35.4	33.1	31.7	32.4	34.6
72.5°	58.9	49.4	32.4	22.1	19.2	18.4	18.4	18.4	17.7	17.7	17.7
75°	21.4	18.4	14.7	11.0	9.6	8.8	8.8	9.6	8.8	8.1	7.4
77.5°	6.6	5.9	5.9	5.9	5.2	4.4	3.7	3.7	2.9	2.2	2.2
80°	3.7	3.7	3.7	3.7	2.9	2.9	2.2	1.5	0.7	0.7	0.0
82.5°	3.7	3.7	3.7	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.0
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.2	1.5	0.7	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)