

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: P636321

Luminaire Tested: GWS-SA3F-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16210.1 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

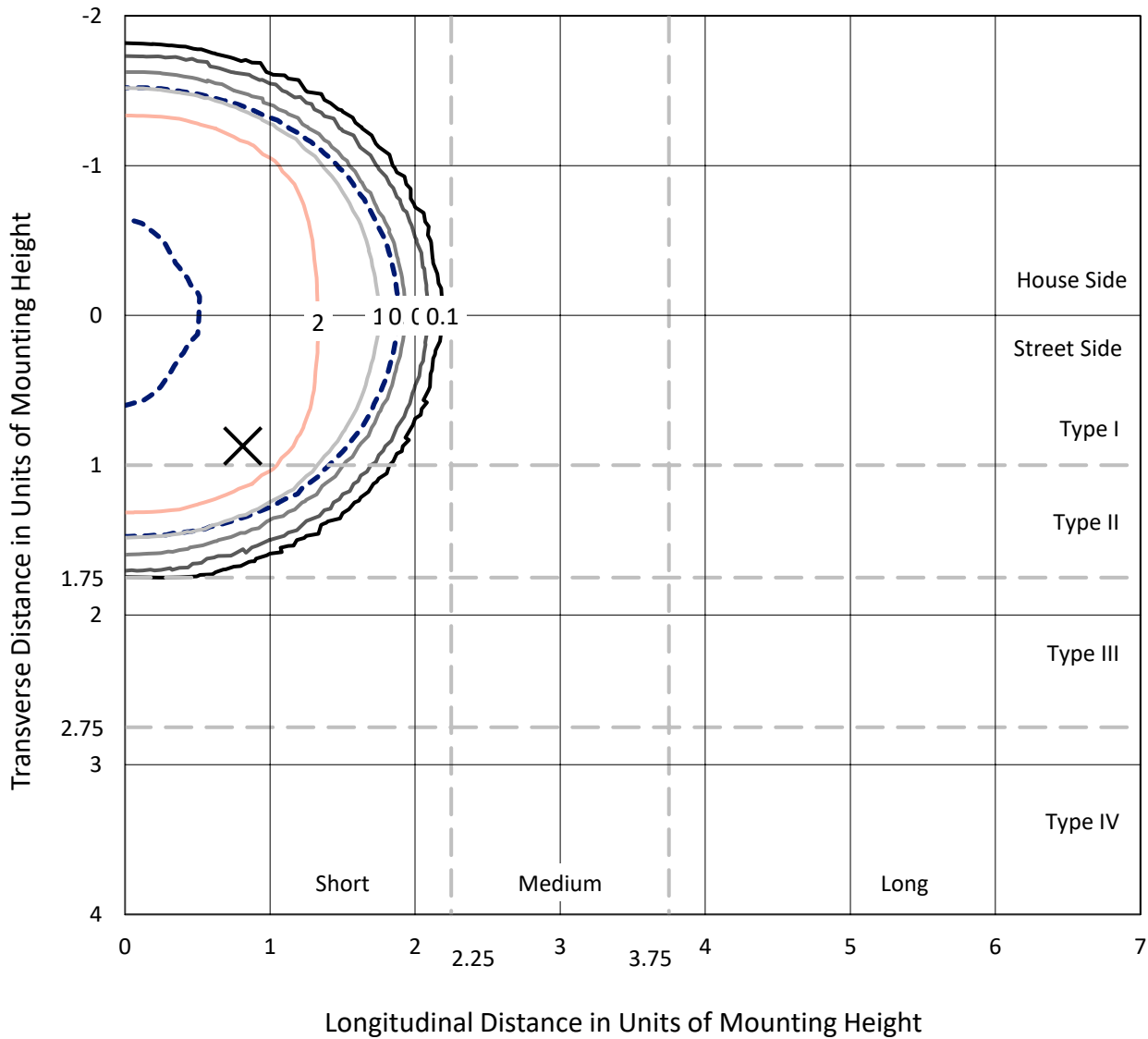
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

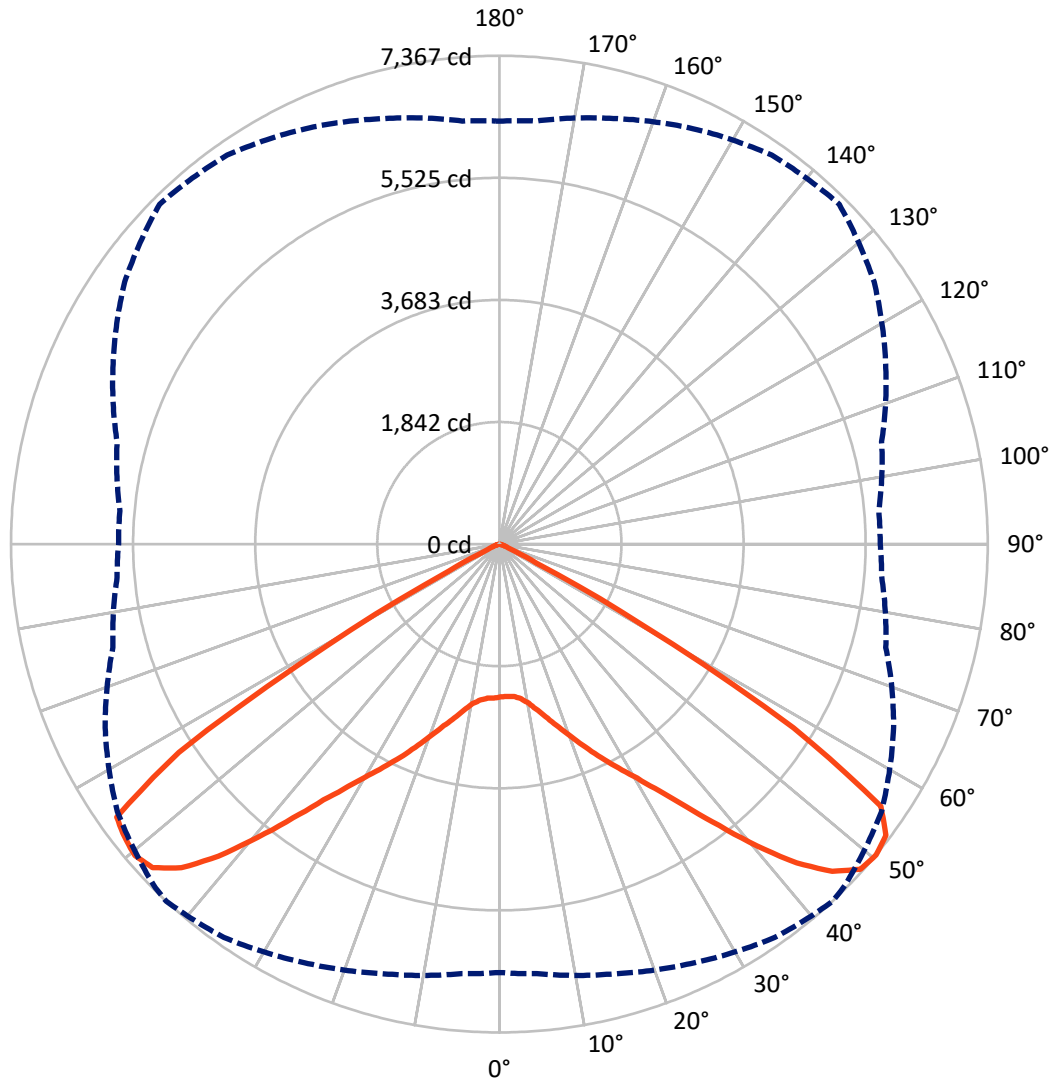
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8104.9	0.0	8104.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8105.3	0.0	8105.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16210.1	0.0	16210.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	1.4
10°-20°	781.3	4.8
20°-30°	1580.8	9.8
30°-40°	2932.9	18.1
40°-50°	4868.5	30.0
50°-60°	4968.5	30.7
60°-70°	814.8	5.0
70°-80°	35.7	0.2
80°-90°	0.5	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°	16210.1	100.0
0°-180°	16210.1	100.0

Coefficient of Utilization



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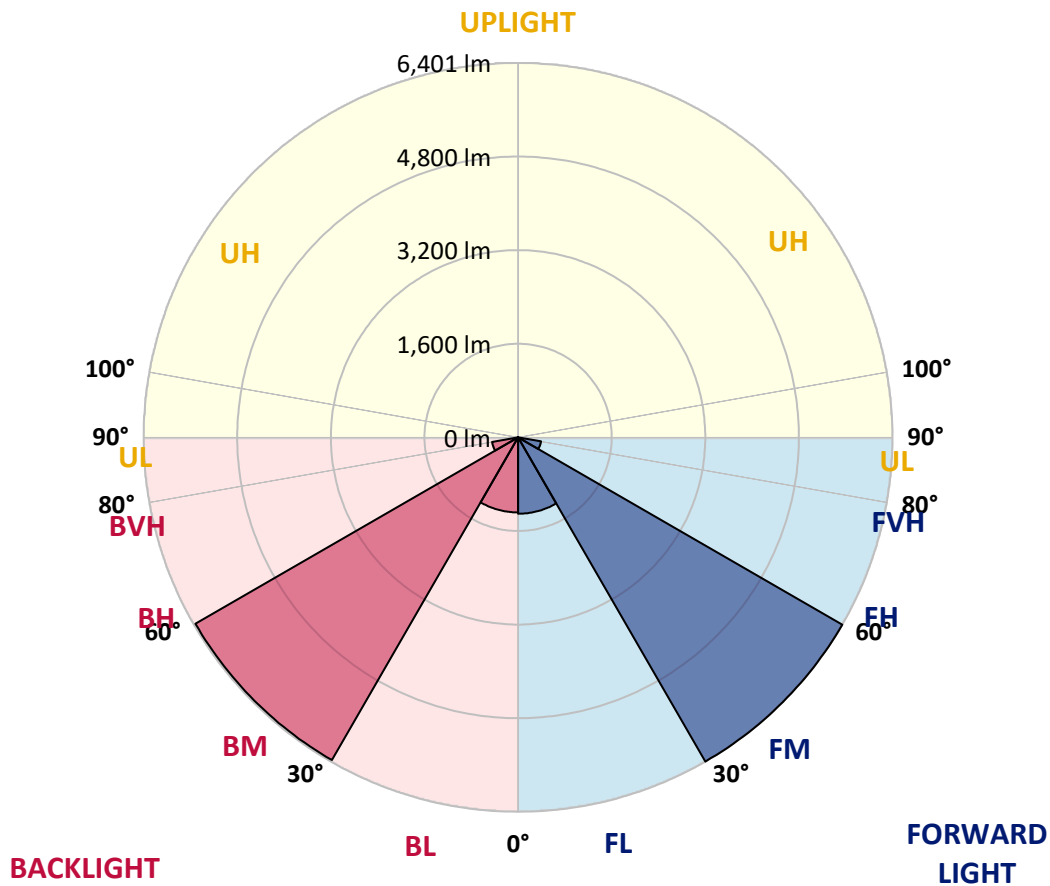
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1306.0	8.1			
FM (30°-60°)	6400.5	39.5			
FH (60°-80°)	398.6	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1283.3	7.9	B3/2500		
BM (30°-60°)	6369.4	39.3	B4/8500		
BH (60°-80°)	451.9	2.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6
2.5°	2262.6	2268.0	2275.2	2282.3	2291.3	2300.3	2305.6	2321.8	2318.2	2332.5	2332.5
5°	2237.5	2242.9	2251.8	2268.0	2287.7	2307.4	2321.8	2354.0	2372.0	2400.7	2411.4
7.5°	2250.1	2257.2	2268.0	2293.1	2323.6	2354.0	2370.2	2422.2	2458.0	2511.8	2542.3
10°	2291.3	2298.5	2316.4	2359.4	2398.9	2441.9	2461.6	2527.9	2585.3	2658.8	2701.9
12.5°	2337.9	2346.9	2382.7	2447.3	2515.4	2572.8	2599.7	2673.2	2732.3	2814.8	2882.9
15°	2386.3	2400.7	2456.2	2551.3	2648.1	2725.2	2753.8	2832.7	2891.9	2979.7	3056.8
17.5°	2499.3	2515.4	2578.1	2680.3	2813.0	2902.7	2927.8	3010.2	3055.0	3114.2	3194.9
20°	2640.9	2671.4	2748.5	2872.2	3017.4	3103.5	3121.4	3202.1	3198.5	3223.6	3293.5
22.5°	2816.6	2838.1	2922.4	3069.4	3232.5	3327.6	3368.8	3402.9	3358.0	3336.5	3381.4
25°	2999.5	3024.6	3116.0	3277.4	3460.2	3569.6	3603.7	3630.6	3558.8	3478.2	3483.5
27.5°	3236.1	3254.1	3343.7	3515.8	3698.7	3822.4	3852.9	3899.5	3804.5	3675.4	3639.5
30°	3517.6	3535.5	3630.6	3811.6	3992.7	4098.5	4145.1	4202.5	4098.5	3937.1	3895.9
32.5°	3847.5	3865.4	3987.3	4173.8	4322.6	4437.4	4482.2	4543.1	4460.7	4279.6	4233.0
35°	4241.9	4252.7	4396.1	4598.7	4756.5	4867.6	4898.1	4969.8	4878.4	4697.3	4672.2
37.5°	4699.1	4711.7	4867.6	5102.5	5263.9	5387.6	5436.0	5455.7	5344.5	5142.0	5122.2
40°	5201.1	5242.4	5394.7	5647.5	5828.6	5984.6	6027.6	5961.3	5805.3	5529.2	5493.4
42.5°	5724.6	5760.5	5930.8	6205.1	6414.9	6574.5	6576.2	6432.8	6167.5	5785.6	5731.8
45°	6160.3	6174.6	6395.2	6671.3	6929.4	7042.4	7053.1	6793.2	6393.4	5934.4	5819.7
47.5°	6459.7	6483.0	6674.9	6940.2	7225.3	7327.5	7305.9	6981.4	6500.9	6031.2	5841.2
50°	6463.3	6502.7	6710.7	6967.1	7243.2	7366.9	7336.4	7035.2	6561.9	6034.8	5789.2
52.5°	5891.4	5955.9	6294.8	6665.9	7089.0	7300.6	7307.7	7105.1	6538.6	5977.4	5742.6
55°	4444.5	4514.4	4941.1	5574.0	6391.6	6981.4	7083.6	7022.7	6511.7	6002.5	5825.0
57.5°	2352.2	2298.5	2535.1	3162.6	4189.9	5233.4	5532.8	6020.5	6212.3	6033.0	5977.4
60°	512.8	546.8	727.9	980.7	1635.1	2461.6	2753.8	3589.3	4582.6	5023.6	5342.8
62.5°	220.5	216.9	225.9	256.4	374.7	623.9	762.0	1244.3	1963.2	2696.5	3193.1
65°	181.1	182.9	190.0	190.0	177.5	179.3	188.3	285.1	459.0	643.6	864.2
67.5°	136.3	138.1	150.6	154.2	145.2	129.1	127.3	107.6	113.0	141.6	147.0
70°	86.1	86.1	93.2	96.8	96.8	89.6	87.9	77.1	75.3	86.1	96.8
72.5°	46.6	46.6	50.2	52.0	50.2	48.4	48.4	46.6	44.8	52.0	66.3
75°	19.7	19.7	21.5	21.5	19.7	19.7	19.7	19.7	19.7	23.3	35.9
77.5°	3.6	5.4	7.2	5.4	3.6	3.6	3.6	5.4	5.4	7.2	10.8
80°	1.8	1.8	3.6	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6
2.5°	2345.1	2325.4	2332.5	2336.1	2330.7	2327.1	2307.4	2302.0	2293.1	2278.7	2275.2
5°	2424.0	2407.8	2406.0	2395.3	2370.2	2339.7	2302.0	2285.9	2268.0	2250.1	2246.5
7.5°	2556.6	2536.9	2524.4	2488.5	2431.1	2382.7	2320.0	2285.9	2262.6	2239.3	2233.9
10°	2727.0	2703.6	2667.8	2601.5	2524.4	2454.4	2380.9	2336.1	2300.3	2268.0	2266.2
12.5°	2908.0	2882.9	2818.4	2734.1	2640.9	2576.4	2483.1	2420.4	2366.6	2318.2	2312.8
15°	3098.1	3067.6	2979.7	2879.3	2793.3	2727.0	2624.8	2524.4	2441.9	2372.0	2364.8
17.5°	3243.3	3205.7	3101.7	3026.4	2956.4	2888.3	2773.6	2640.9	2531.5	2447.3	2427.5
20°	3334.7	3298.9	3200.3	3159.0	3126.8	3078.4	2942.1	2804.0	2682.1	2578.1	2560.2
22.5°	3422.6	3379.6	3293.5	3293.5	3318.6	3298.9	3151.9	2994.1	2850.7	2730.5	2703.6
25°	3521.2	3487.1	3426.2	3476.4	3539.1	3537.3	3386.7	3189.5	3024.6	2890.1	2863.2
27.5°	3664.6	3630.6	3609.0	3704.1	3783.0	3777.6	3612.6	3399.3	3225.4	3092.7	3067.6
30°	3917.4	3885.1	3861.8	3976.6	4077.0	4039.3	3858.3	3652.1	3476.4	3325.8	3307.8
32.5°	4254.5	4220.4	4189.9	4304.7	4394.3	4345.9	4173.8	3980.2	3777.6	3630.6	3594.7
35°	4697.3	4625.6	4595.1	4731.4	4769.0	4715.2	4550.3	4380.0	4164.8	3996.3	3973.0
37.5°	5154.5	5070.2	5048.7	5167.1	5228.0	5208.3	5014.7	4837.2	4604.1	4417.6	4390.7
40°	5545.3	5468.3	5430.6	5615.3	5753.3	5765.9	5592.0	5375.0	5100.7	4907.1	4858.7
42.5°	5774.8	5708.5	5699.5	5986.4	6212.3	6373.7	6165.7	5941.6	5652.9	5434.2	5394.7
45°	5826.8	5783.8	5859.1	6235.6	6587.0	6881.0	6703.5	6466.9	6154.9	5923.6	5886.0
47.5°	5821.4	5807.1	5941.6	6364.7	6809.3	7171.5	7083.6	6816.5	6515.3	6273.3	6237.4
50°	5744.4	5746.1	5970.3	6429.2	6899.0	7250.4	7162.5	6915.1	6646.2	6407.7	6379.0
52.5°	5713.9	5703.1	5916.5	6409.5	6990.4	7214.5	7017.3	6739.4	6440.0	6146.0	6102.9
55°	5821.4	5794.6	5923.6	6393.4	7001.2	7194.8	6674.9	6072.4	5459.3	5111.5	5082.8
57.5°	5982.8	5954.1	6015.1	6275.0	6440.0	5982.8	4912.5	3940.7	3309.6	3042.5	2926.0
60°	5342.8	5323.0	5276.4	4962.7	4256.3	3211.0	2187.3	1394.9	1002.2	810.4	810.4
62.5°	3315.0	3288.1	3035.3	2255.4	1638.7	948.4	521.7	326.3	247.4	231.3	229.5
65°	930.5	925.1	765.6	541.4	344.2	213.4	188.3	191.8	188.3	182.9	181.1
67.5°	139.8	154.2	154.2	125.5	120.1	134.5	157.8	168.5	159.6	150.6	147.0
70°	89.6	96.8	93.2	80.7	86.1	100.4	113.0	114.7	109.4	100.4	98.6
72.5°	62.8	69.9	57.4	52.0	53.8	59.2	64.5	64.5	62.8	59.2	55.6
75°	37.7	37.7	26.9	25.1	25.1	26.9	26.9	30.5	30.5	28.7	26.9
77.5°	12.6	14.3	9.0	7.2	7.2	7.2	9.0	10.8	10.8	9.0	7.2
80°	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	1.8
82.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)