

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: P636241

Luminaire Tested: GWS-SA3F-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636241
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-SA3F-735-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14891.6 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

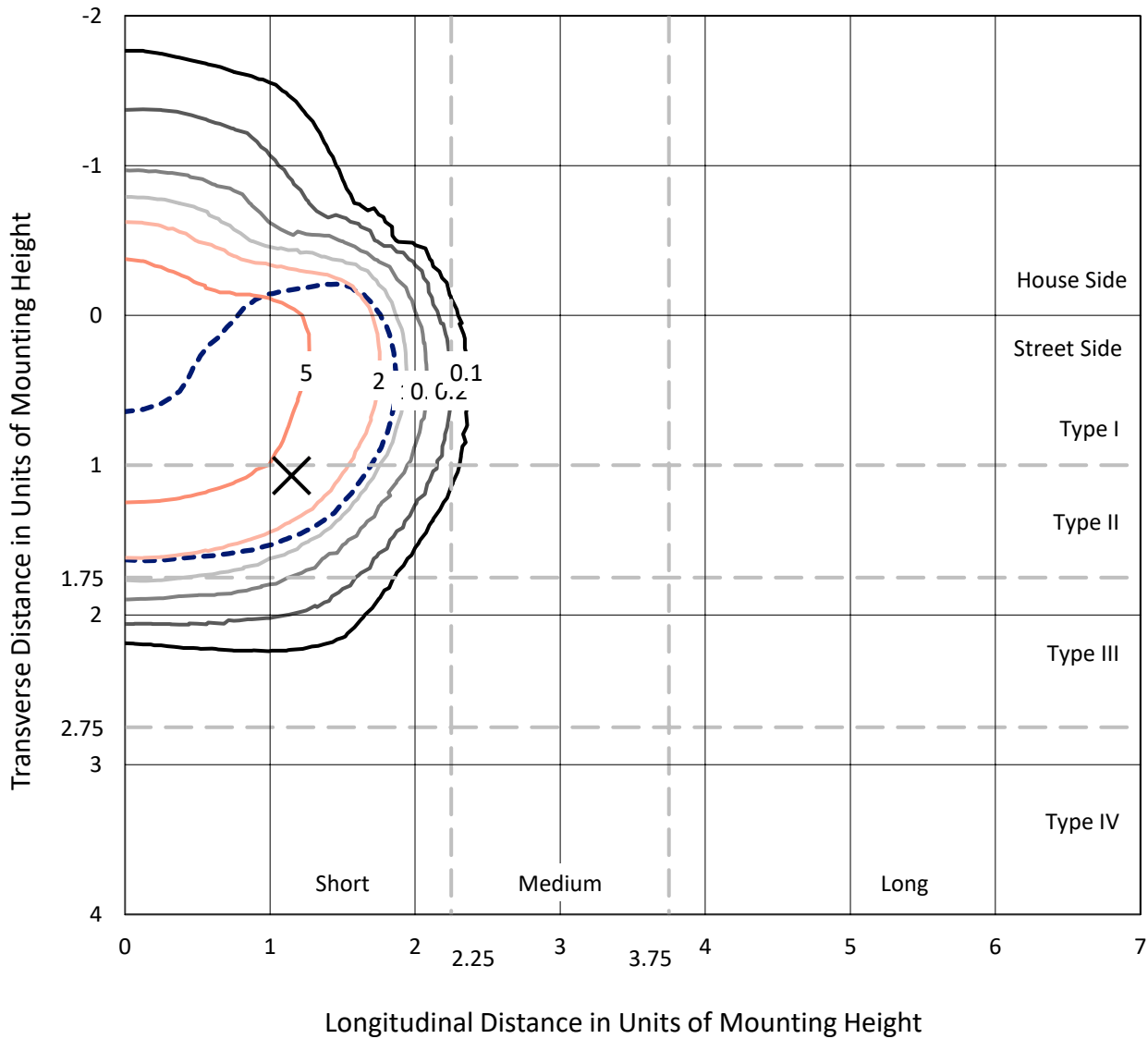
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

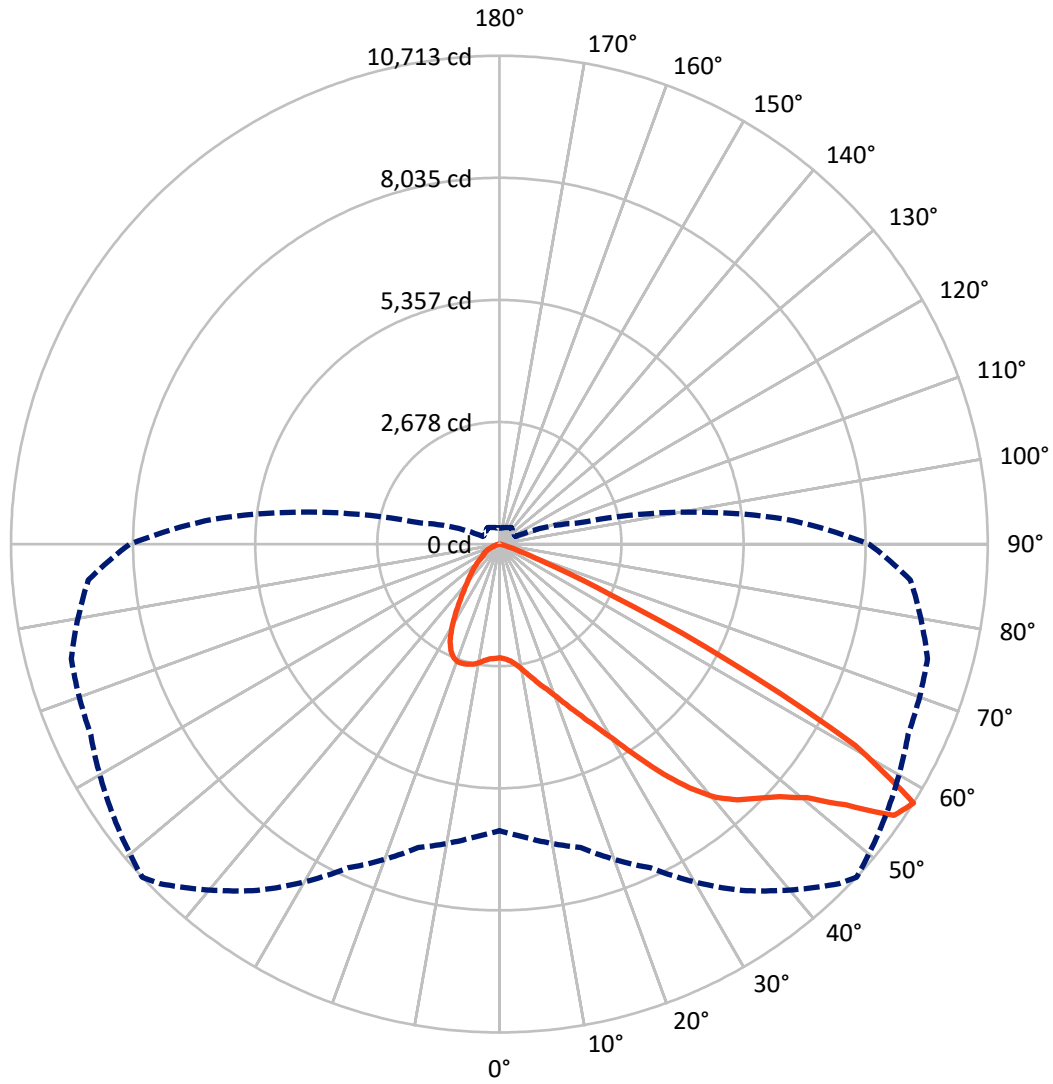
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 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	3230.7	0.0	3230.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	11660.9	0.0	11660.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	14891.6	0.0	14891.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.0	1.7
10°-20°	836.8	5.6
20°-30°	1553.8	10.4
30°-40°	2487.4	16.7
40°-50°	3636.0	24.4
50°-60°	4487.5	30.1
60°-70°	1499.5	10.1
70°-80°	139.7	0.9
80°-90°	2.9	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°	14891.6	100.0
0°-180°	14891.6	100.0

Coefficient of Utilization



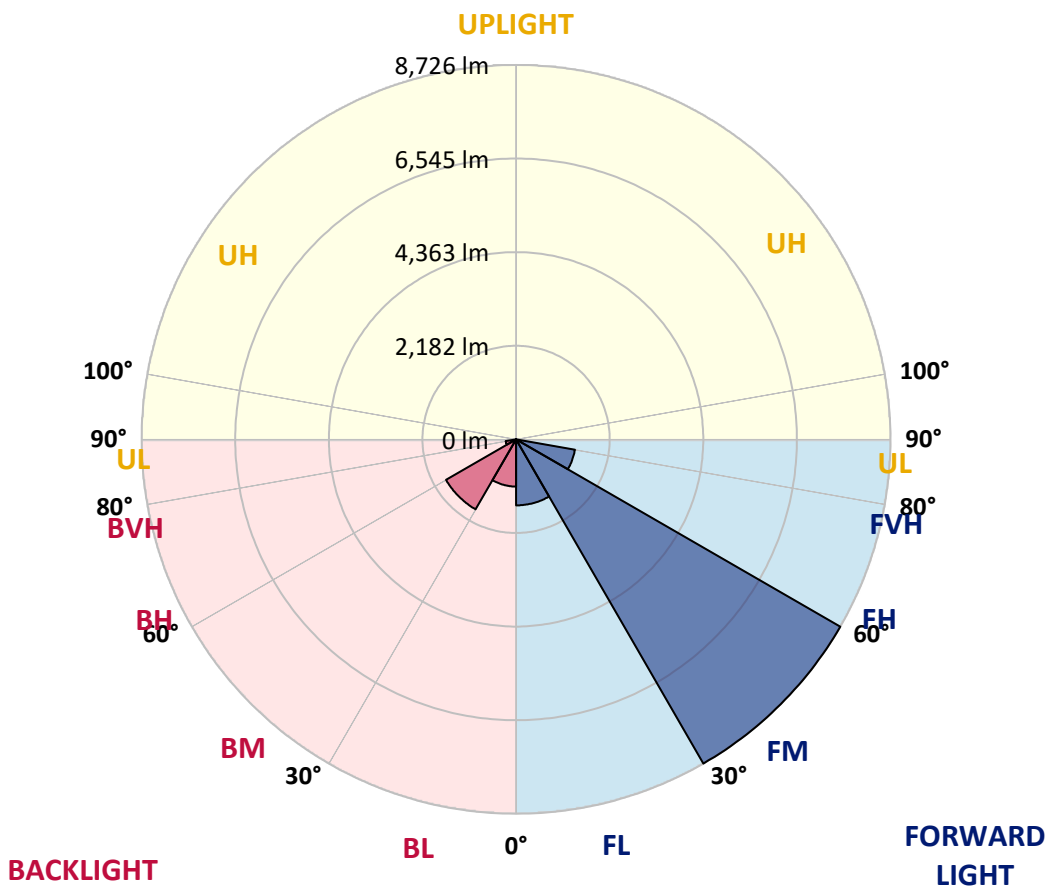
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1539.0	10.3			
FM (30°-60°)	8726.4	58.6			
FH (60°-80°)	1393.5	9.4			G1/1800
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	1099.7	7.4	B3/2500		
BM (30°-60°)	1884.5	12.7	B2/2500		
BH (60°-80°)	245.6	1.6	B1/500		G1/500
BVH (80°-90°)	0.9	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°	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9
2.5°	2518.8	2517.1	2515.3	2525.7	2522.3	2520.5	2524.0	2524.0	2524.0	2513.6	2492.9
5°	2579.3	2579.3	2577.6	2588.0	2579.3	2574.1	2575.9	2575.9	2568.9	2549.9	2524.0
7.5°	2674.4	2670.9	2667.5	2677.8	2669.2	2667.5	2670.9	2660.6	2648.5	2617.3	2581.0
10°	2811.0	2811.0	2805.8	2816.1	2809.2	2805.8	2805.8	2798.9	2776.4	2728.0	2674.4
12.5°	2999.4	2990.8	2978.7	2970.0	2966.5	2964.8	2966.5	2956.2	2932.0	2869.7	2795.4
15°	3205.1	3198.2	3179.2	3165.4	3146.3	3142.9	3153.3	3144.6	3120.4	3035.7	2930.2
17.5°	3464.4	3473.1	3424.7	3395.3	3340.0	3336.5	3340.0	3353.8	3336.5	3227.6	3073.7
20°	3685.7	3692.6	3656.3	3635.6	3585.4	3563.0	3569.9	3592.4	3573.3	3445.4	3231.0
22.5°	3922.6	3931.2	3893.2	3849.9	3827.5	3827.5	3853.4	3884.5	3858.6	3690.9	3410.8
25°	4206.1	4213.0	4181.9	4124.8	4085.1	4135.2	4173.2	4256.2	4213.0	3984.8	3623.5
27.5°	4531.1	4532.8	4487.9	4429.1	4408.3	4501.7	4539.7	4667.6	4650.4	4315.0	3848.2
30°	4878.6	4880.3	4869.9	4830.2	4811.1	4933.9	4985.7	5170.7	5158.6	4724.7	4154.2
32.5°	5239.9	5239.9	5258.9	5255.4	5277.9	5478.4	5561.4	5772.3	5760.2	5226.0	4534.5
35°	5602.9	5604.6	5637.5	5720.5	5813.8	6080.0	6189.0	6444.8	6417.2	5825.9	5020.3
37.5°	6016.1	5998.8	6043.7	6168.2	6375.7	6683.4	6787.1	7030.9	6999.7	6439.6	5654.8
40°	6514.0	6482.8	6482.8	6628.1	6863.2	7217.6	7305.7	7426.7	7321.3	6935.8	6277.1
42.5°	7063.7	7034.3	6996.3	7124.2	7321.3	7597.9	7670.5	7637.7	7551.2	7404.3	6985.9
45°	7620.4	7575.4	7601.4	7679.1	7793.2	7924.6	7952.3	7800.2	7760.4	7801.9	7572.0
47.5°	8043.9	8012.8	8076.8	8185.7	8279.0	8298.0	8279.0	8068.1	8064.7	8211.6	7978.2
50°	8185.7	8189.1	8365.5	8604.0	8754.4	8770.0	8744.1	8502.0	8469.2	8512.4	8197.8
52.5°	8199.5	8213.3	8470.9	8925.6	9335.3	9522.0	9501.3	9240.2	8918.7	8872.0	8529.7
55°	7865.9	7947.1	8306.7	8970.5	9841.8	10438.2	10507.4	10007.8	9530.6	9490.9	9243.7
57.5°	6287.5	6453.5	6887.4	7833.0	9276.5	10533.3	10713.1	10353.5	9892.0	9722.5	9051.8
60°	3758.3	3964.0	4380.7	5540.7	7060.2	8657.6	8967.1	9017.2	8804.6	8315.3	6944.4
62.5°	1612.9	1595.6	2109.1	2997.7	4199.2	5502.6	5642.7	5860.5	6045.5	5533.8	4214.7
65°	553.2	601.6	836.7	1351.9	2102.2	2555.1	2679.6	2874.9	3137.7	2589.7	1543.8
67.5°	342.3	363.0	482.3	798.7	1134.1	1116.8	1061.5	1030.3	1002.7	686.3	423.5
70°	248.9	266.2	338.8	549.7	762.4	535.9	465.0	376.9	418.4	385.5	300.8
72.5°	167.7	181.5	233.4	333.7	390.7	261.0	242.0	274.9	331.9	316.4	245.5
75°	100.3	108.9	133.1	162.5	159.0	134.8	136.6	193.6	254.1	236.8	174.6
77.5°	69.2	72.6	88.2	105.5	77.8	41.5	38.0	53.6	86.4	86.4	58.8
80°	17.3	22.5	22.5	13.8	12.1	10.4	10.4	15.6	24.2	17.3	8.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5
85°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
87.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
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°	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9	2492.9
2.5°	2505.0	2484.2	2498.1	2494.6	2505.0	2508.4	2492.9	2489.4	2491.1	2470.4	2463.5
5°	2529.2	2505.0	2511.9	2505.0	2517.1	2527.4	2522.3	2529.2	2537.8	2522.3	2515.3
7.5°	2581.0	2556.8	2555.1	2544.7	2562.0	2568.9	2567.2	2586.2	2603.5	2593.1	2582.8
10°	2670.9	2638.1	2634.6	2626.0	2631.2	2636.4	2617.3	2620.8	2636.4	2624.3	2619.1
12.5°	2781.6	2741.8	2733.2	2712.4	2712.4	2686.5	2645.0	2636.4	2648.5	2639.8	2631.2
15°	2900.9	2847.3	2833.4	2797.1	2762.6	2714.2	2670.9	2660.6	2669.2	2658.8	2651.9
17.5°	3034.0	2973.5	2928.5	2864.6	2788.5	2731.4	2683.0	2660.6	2646.7	2626.0	2624.3
20°	3165.4	3085.8	3009.8	2907.8	2807.5	2721.1	2641.5	2582.8	2532.6	2501.5	2489.4
22.5°	3317.5	3199.9	3077.2	2933.7	2790.2	2658.8	2518.8	2418.5	2332.1	2302.7	2288.9
25°	3480.0	3327.9	3144.6	2957.9	2731.4	2520.5	2330.4	2181.7	2067.6	2029.6	2014.0
27.5°	3659.8	3450.6	3213.8	2952.7	2610.4	2323.5	2071.1	1886.1	1773.7	1739.1	1751.2
30°	3888.0	3609.6	3300.2	2899.1	2428.9	2046.9	1751.2	1595.6	1510.9	1478.1	1479.8
32.5°	4192.2	3837.8	3426.4	2785.0	2195.5	1732.2	1472.9	1358.8	1301.8	1258.5	1255.1
35°	4627.9	4185.3	3544.0	2601.8	1912.0	1452.2	1263.7	1173.8	1094.3	1044.2	1052.8
37.5°	5150.0	4622.7	3607.9	2354.6	1593.9	1234.3	1106.4	1014.8	924.9	850.5	859.2
40°	5768.9	5194.9	3602.7	2029.6	1303.5	1085.7	975.0	867.8	755.5	688.0	695.0
42.5°	6458.6	5736.0	3490.4	1685.5	1080.5	964.6	848.8	714.0	605.1	563.6	565.3
45°	7056.8	6175.1	3293.3	1329.4	909.3	847.1	717.4	579.1	530.7	501.3	499.6
47.5°	7499.4	6496.7	3011.5	1045.9	771.0	739.9	589.5	518.6	480.6	456.4	452.9
50°	7746.6	6609.0	2700.3	819.4	651.7	627.5	527.3	470.2	444.3	428.7	425.3
52.5°	8078.5	6743.9	2477.3	646.6	546.3	513.4	485.8	437.4	420.1	408.0	402.8
55°	8604.0	7004.9	2283.7	513.4	454.7	447.7	458.1	418.4	408.0	389.0	382.1
57.5°	8109.6	6292.7	1773.7	397.6	383.8	409.7	442.6	399.3	373.4	356.1	349.2
60°	5706.6	4183.6	892.0	319.8	342.3	383.8	416.6	361.3	335.4	338.8	335.4
62.5°	3146.3	2093.5	401.1	268.0	297.3	338.8	356.1	312.9	295.6	325.0	330.2
65°	1028.6	712.2	231.7	207.5	235.1	276.6	307.7	297.3	293.9	328.5	338.8
67.5°	316.4	235.1	157.3	148.7	162.5	204.0	259.3	321.5	345.8	356.1	361.3
70°	236.8	185.0	134.8	126.2	133.1	155.6	219.6	268.0	252.4	254.1	250.7
72.5°	190.2	146.9	115.8	110.6	110.6	107.2	115.8	145.2	164.2	172.9	172.9
75°	133.1	103.7	88.2	81.3	64.0	51.9	46.7	46.7	41.5	39.8	38.0
77.5°	44.9	38.0	34.6	27.7	19.0	15.6	13.8	12.1	8.6	5.2	3.5
80°	6.9	5.2	3.5	3.5	3.5	1.7	1.7	1.7	0.0	0.0	0.0
82.5°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	0.0	0.0	0.0	0.0
85°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.5	3.5	1.7	1.7	1.7	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)