

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: P636211

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636211
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15629.8 lumens
Efficiency: N/A
Efficacy: 85.3 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

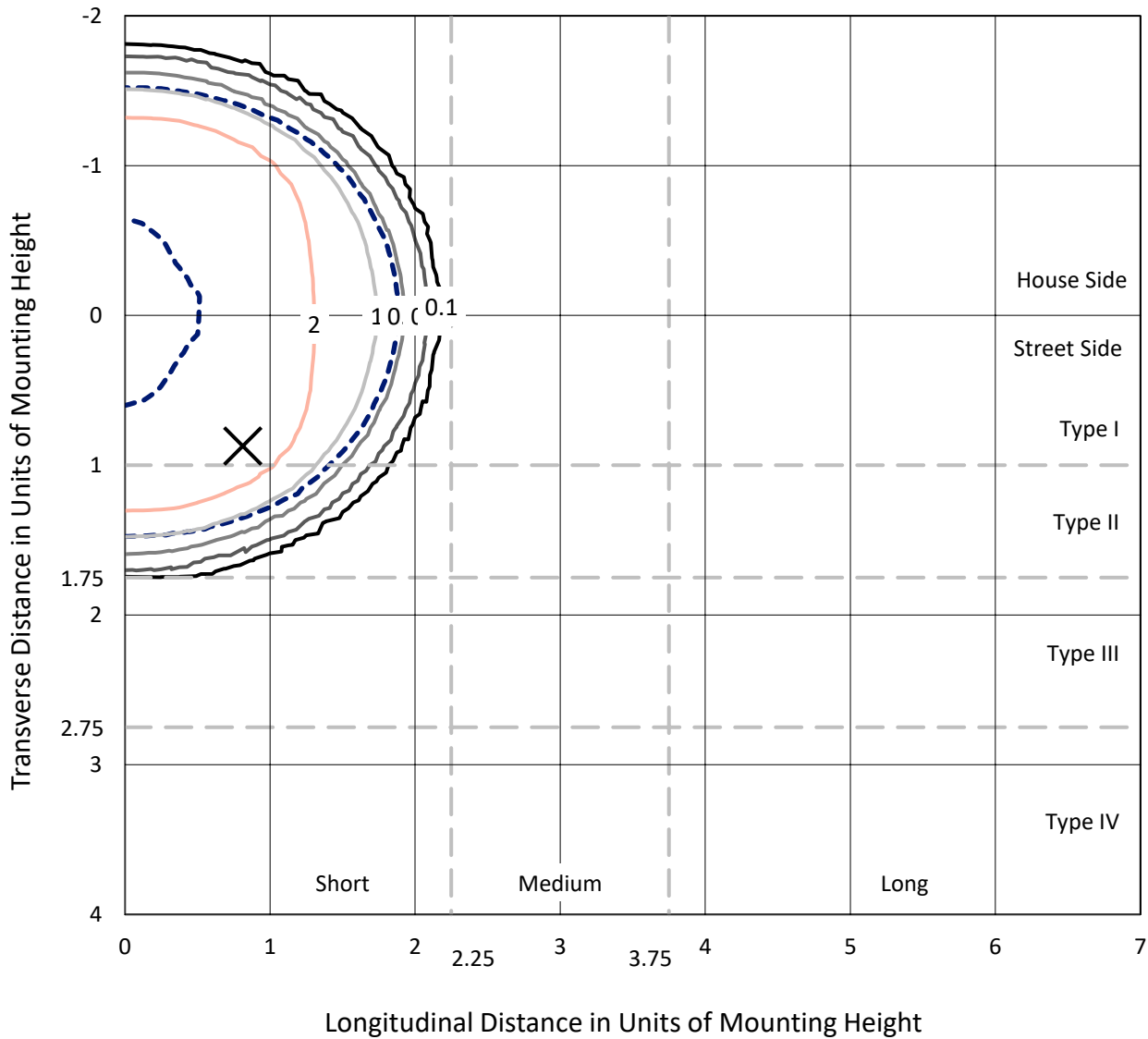
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

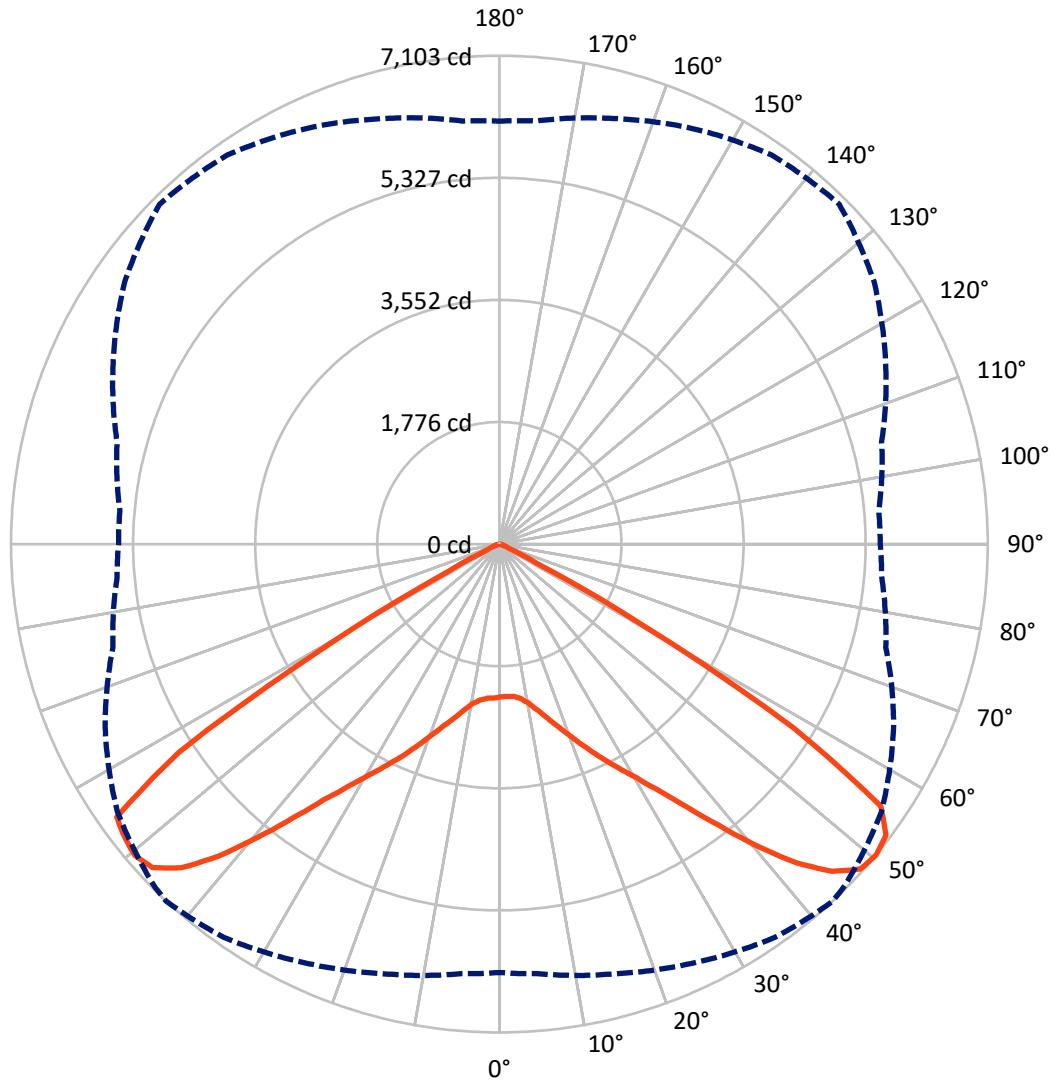
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	7814.7	0.0	7814.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7815.1	0.0	7815.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15629.8	0.0	15629.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.9	1.4
10°-20°	753.4	4.8
20°-30°	1524.2	9.8
30°-40°	2827.9	18.1
40°-50°	4694.2	30.0
50°-60°	4790.6	30.7
60°-70°	785.6	5.0
70°-80°	34.4	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°	15629.8	100.0
0°-180°	15629.8	100.0

Coefficient of Utilization



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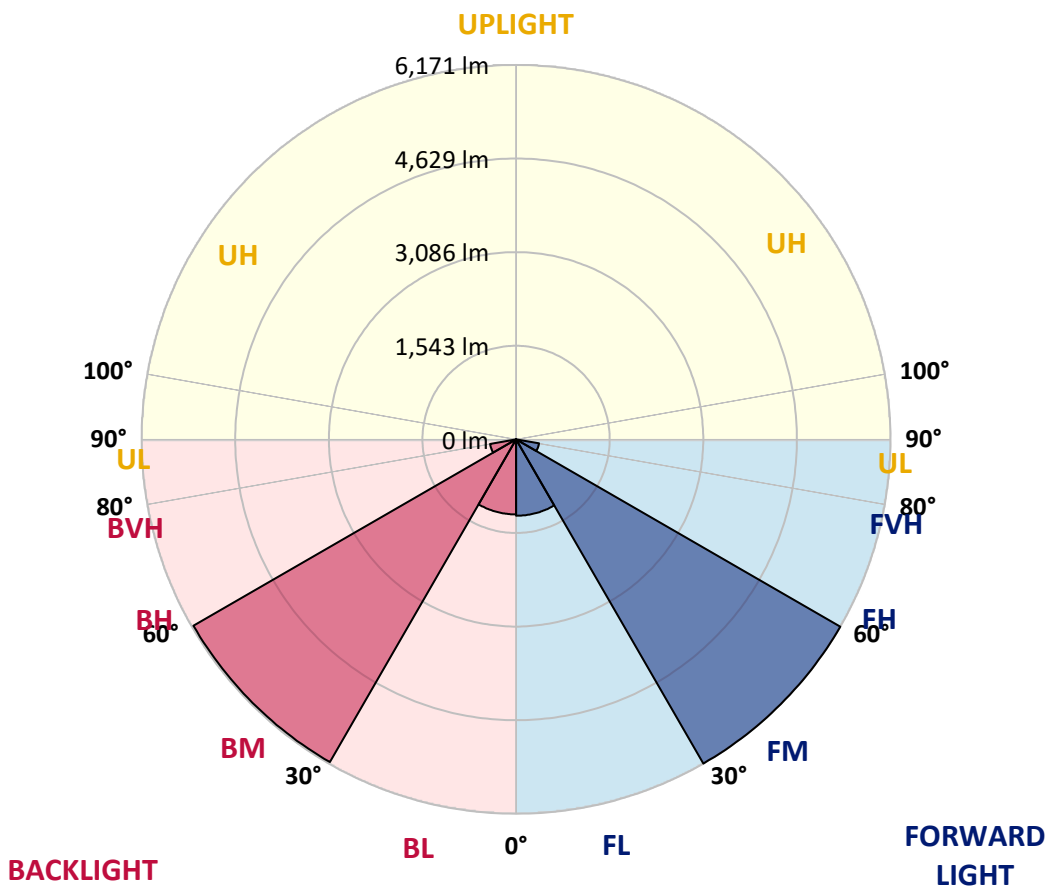
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1259.2	8.1			
FM (30°-60°)	6171.4	39.5			
FH (60°-80°)	384.3	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1237.3	7.9	B3/2500		
BM (30°-60°)	6141.4	39.3	B4/8500		
BH (60°-80°)	435.7	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°	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1
2.5°	2181.6	2186.8	2193.7	2200.6	2209.3	2217.9	2223.1	2238.7	2235.2	2249.0	2249.0
5°	2157.4	2162.6	2171.2	2186.8	2205.8	2224.8	2238.7	2269.8	2287.1	2314.7	2325.1
7.5°	2169.5	2176.4	2186.8	2211.0	2240.4	2269.8	2285.3	2335.5	2370.0	2421.9	2451.3
10°	2209.3	2216.2	2233.5	2275.0	2313.0	2354.5	2373.5	2437.4	2492.8	2563.6	2605.1
12.5°	2254.2	2262.9	2297.4	2359.7	2425.3	2480.7	2506.6	2577.5	2634.5	2714.0	2779.7
15°	2300.9	2314.7	2368.3	2459.9	2553.3	2627.6	2655.3	2731.3	2788.4	2873.1	2947.4
17.5°	2409.8	2425.3	2485.9	2584.4	2712.3	2798.7	2822.9	2902.5	2945.7	3002.7	3080.5
20°	2546.4	2575.7	2650.1	2769.4	2909.4	2992.4	3009.6	3087.4	3084.0	3108.2	3175.6
22.5°	2715.8	2736.5	2817.8	2959.5	3116.8	3208.4	3248.2	3281.0	3237.8	3217.1	3260.3
25°	2892.1	2916.3	3004.5	3160.0	3336.4	3441.8	3474.7	3500.6	3431.4	3353.7	3358.8
27.5°	3120.3	3137.6	3224.0	3390.0	3566.3	3685.6	3714.9	3759.9	3668.3	3543.8	3509.2
30°	3391.7	3409.0	3500.6	3675.2	3849.8	3951.8	3996.7	4052.0	3951.8	3796.2	3756.4
32.5°	3709.8	3727.0	3844.6	4024.4	4167.9	4278.5	4321.7	4380.5	4301.0	4126.4	4081.4
35°	4090.1	4100.4	4238.7	4434.1	4586.2	4693.4	4722.8	4791.9	4703.8	4529.2	4505.0
37.5°	4530.9	4543.0	4693.4	4919.8	5075.4	5194.7	5241.4	5260.4	5153.2	4957.9	4938.9
40°	5014.9	5054.7	5201.6	5445.4	5620.0	5770.4	5811.8	5747.9	5597.5	5331.3	5296.7
42.5°	5519.7	5554.3	5718.5	5983.0	6185.2	6339.1	6340.8	6202.5	5946.7	5578.5	5526.6
45°	5939.8	5953.6	6166.2	6432.4	6681.4	6790.3	6800.7	6550.0	6164.5	5722.0	5611.3
47.5°	6228.5	6250.9	6435.9	6691.7	6966.6	7065.1	7044.4	6731.5	6268.2	5815.3	5632.1
50°	6231.9	6269.9	6470.5	6717.7	6983.9	7103.2	7073.8	6783.4	6327.0	5818.8	5581.9
52.5°	5680.5	5742.7	6069.4	6427.3	6835.2	7039.2	7046.1	6850.8	6304.5	5763.4	5537.0
55°	4285.4	4352.8	4764.3	5374.5	6162.8	6731.5	6830.0	6771.3	6278.6	5787.6	5616.5
57.5°	2268.0	2216.2	2444.4	3049.4	4039.9	5046.0	5334.7	5804.9	5989.9	5817.0	5763.4
60°	494.4	527.2	701.8	945.6	1576.6	2373.5	2655.3	3460.8	4418.5	4843.8	5151.5
62.5°	212.6	209.2	217.8	247.2	361.3	601.6	734.7	1199.7	1892.9	2599.9	3078.8
65°	174.6	176.3	183.2	183.2	171.1	172.9	181.5	274.9	442.5	620.6	833.2
67.5°	131.4	133.1	145.2	148.7	140.0	124.5	122.7	103.7	108.9	136.6	141.8
70°	83.0	83.0	89.9	93.3	93.3	86.4	84.7	74.3	72.6	83.0	93.3
72.5°	44.9	44.9	48.4	50.1	48.4	46.7	46.7	44.9	43.2	50.1	64.0
75°	19.0	19.0	20.7	20.7	19.0	19.0	19.0	19.0	19.0	22.5	34.6
77.5°	3.5	5.2	6.9	5.2	3.5	3.5	3.5	5.2	5.2	6.9	10.4
80°	1.7	1.7	3.5	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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°	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1	2223.1
2.5°	2261.1	2242.1	2249.0	2252.5	2247.3	2243.8	2224.8	2219.6	2211.0	2197.2	2193.7
5°	2337.2	2321.6	2319.9	2309.5	2285.3	2255.9	2219.6	2204.1	2186.8	2169.5	2166.0
7.5°	2465.1	2446.1	2434.0	2399.4	2344.1	2297.4	2236.9	2204.1	2181.6	2159.1	2153.9
10°	2629.3	2606.9	2572.3	2508.3	2434.0	2366.6	2295.7	2252.5	2217.9	2186.8	2185.1
12.5°	2803.9	2779.7	2717.5	2636.2	2546.4	2484.1	2394.2	2333.7	2281.9	2235.2	2230.0
15°	2987.2	2957.8	2873.1	2776.3	2693.3	2629.3	2530.8	2434.0	2354.5	2287.1	2280.1
17.5°	3127.2	3090.9	2990.6	2918.0	2850.6	2784.9	2674.3	2546.4	2440.9	2359.7	2340.6
20°	3215.4	3180.8	3085.7	3045.9	3014.8	2968.2	2836.8	2703.7	2586.1	2485.9	2468.6
22.5°	3300.1	3258.6	3175.6	3175.6	3199.8	3180.8	3039.0	2886.9	2748.6	2632.8	2606.9
25°	3395.1	3362.3	3303.5	3351.9	3412.4	3410.7	3265.5	3075.3	2916.3	2786.6	2760.7
27.5°	3533.4	3500.6	3479.8	3571.5	3647.5	3642.3	3483.3	3277.6	3109.9	2982.0	2957.8
30°	3777.2	3746.1	3723.6	3834.2	3931.0	3894.7	3720.1	3521.3	3351.9	3206.7	3189.4
32.5°	4102.2	4069.3	4039.9	4150.6	4237.0	4190.3	4024.4	3837.7	3642.3	3500.6	3466.0
35°	4529.2	4460.0	4430.6	4562.0	4598.3	4546.4	4387.4	4223.2	4015.7	3853.2	3830.8
37.5°	4970.0	4888.7	4868.0	4982.1	5040.9	5021.8	4835.1	4664.0	4439.3	4259.5	4233.6
40°	5346.8	5272.5	5236.2	5414.2	5547.4	5559.5	5391.8	5182.6	4918.1	4731.4	4684.7
42.5°	5568.1	5504.1	5495.5	5772.1	5989.9	6145.5	5945.0	5728.9	5450.6	5239.7	5201.6
45°	5618.2	5576.7	5649.4	6012.4	6351.2	6634.7	6463.6	6235.4	5934.6	5711.6	5675.3
47.5°	5613.0	5599.2	5728.9	6136.8	6565.6	6914.7	6830.0	6572.5	6282.0	6048.7	6014.1
50°	5538.7	5540.4	5756.5	6199.1	6652.0	6990.8	6906.1	6667.5	6408.2	6178.3	6150.7
52.5°	5509.3	5499.0	5704.7	6180.1	6740.2	6956.2	6766.1	6498.1	6209.4	5925.9	5884.5
55°	5613.0	5587.1	5711.6	6164.5	6750.5	6937.2	6435.9	5855.1	5263.9	4928.5	4900.8
57.5°	5768.6	5741.0	5799.7	6050.4	6209.4	5768.6	4736.6	3799.7	3191.2	2933.6	2821.2
60°	5151.5	5132.5	5087.5	4785.0	4103.9	3096.1	2109.0	1344.9	966.3	781.4	781.4
62.5°	3196.3	3170.4	2926.7	2174.7	1580.0	914.5	503.0	314.6	238.6	223.0	221.3
65°	897.2	892.0	738.1	522.1	331.9	205.7	181.5	185.0	181.5	176.3	174.6
67.5°	134.8	148.7	148.7	121.0	115.8	129.7	152.1	162.5	153.9	145.2	141.8
70°	86.4	93.3	89.9	77.8	83.0	96.8	108.9	110.6	105.4	96.8	95.1
72.5°	60.5	67.4	55.3	50.1	51.9	57.0	62.2	62.2	60.5	57.0	53.6
75°	36.3	36.3	25.9	24.2	24.2	25.9	25.9	29.4	29.4	27.7	25.9
77.5°	12.1	13.8	8.6	6.9	6.9	6.9	8.6	10.4	10.4	8.6	6.9
80°	1.7	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	1.7
82.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
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)