

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: P635716

Luminaire Tested: GWS-SA3E-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635716
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-SA3E-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: 14057.9 lumens
Efficiency: N/A
Efficacy: 88.3 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

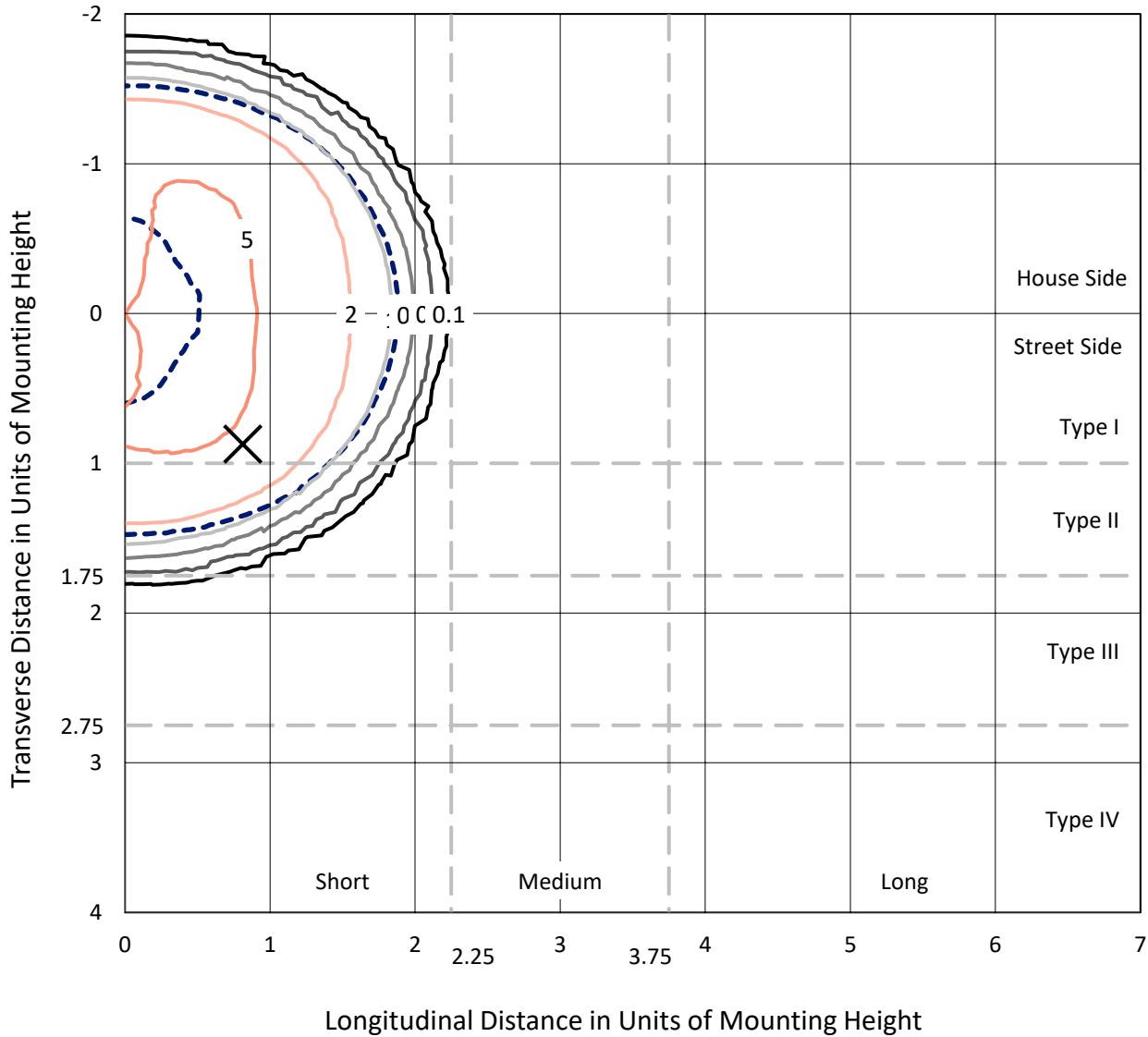
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635716
 CATALOG NUMBER: GWS-SA3E-735-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

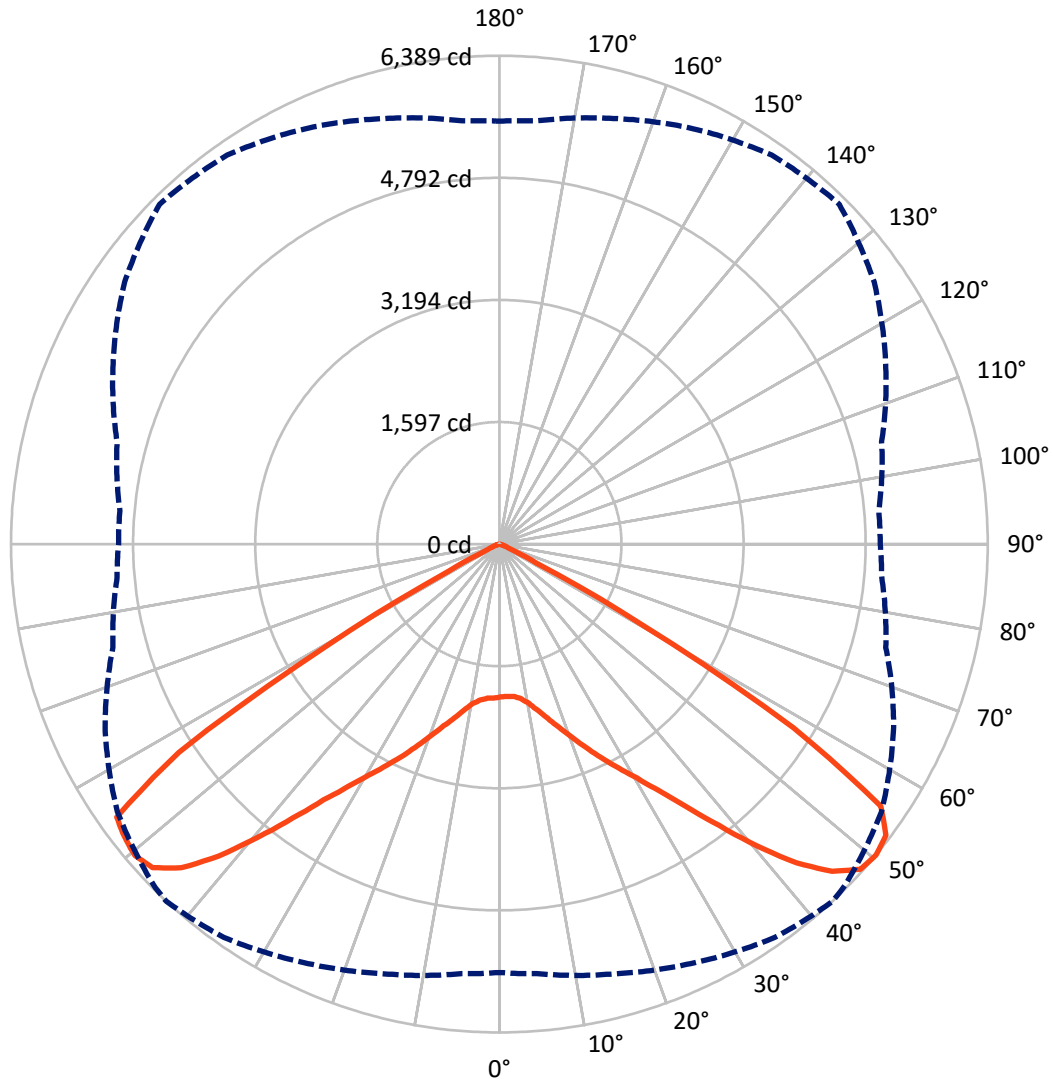
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P635716
CATALOG NUMBER: GWS-SA3E-735-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635716

CATALOG NUMBER: GWS-SA3E-735-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7028.8	0.0	7028.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7029.1	0.0	7029.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14057.9	0.0	14057.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	1.4
10°-20°	677.6	4.8
20°-30°	1370.9	9.8
30°-40°	2543.5	18.1
40°-50°	4222.1	30.0
50°-60°	4308.8	30.7
60°-70°	706.6	5.0
70°-80°	30.9	0.2
80°-90°	0.4	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°	14057.9	100.0
0°-180°	14057.9	100.0

Coefficient of Utilization



REPORT NUMBER: P635716

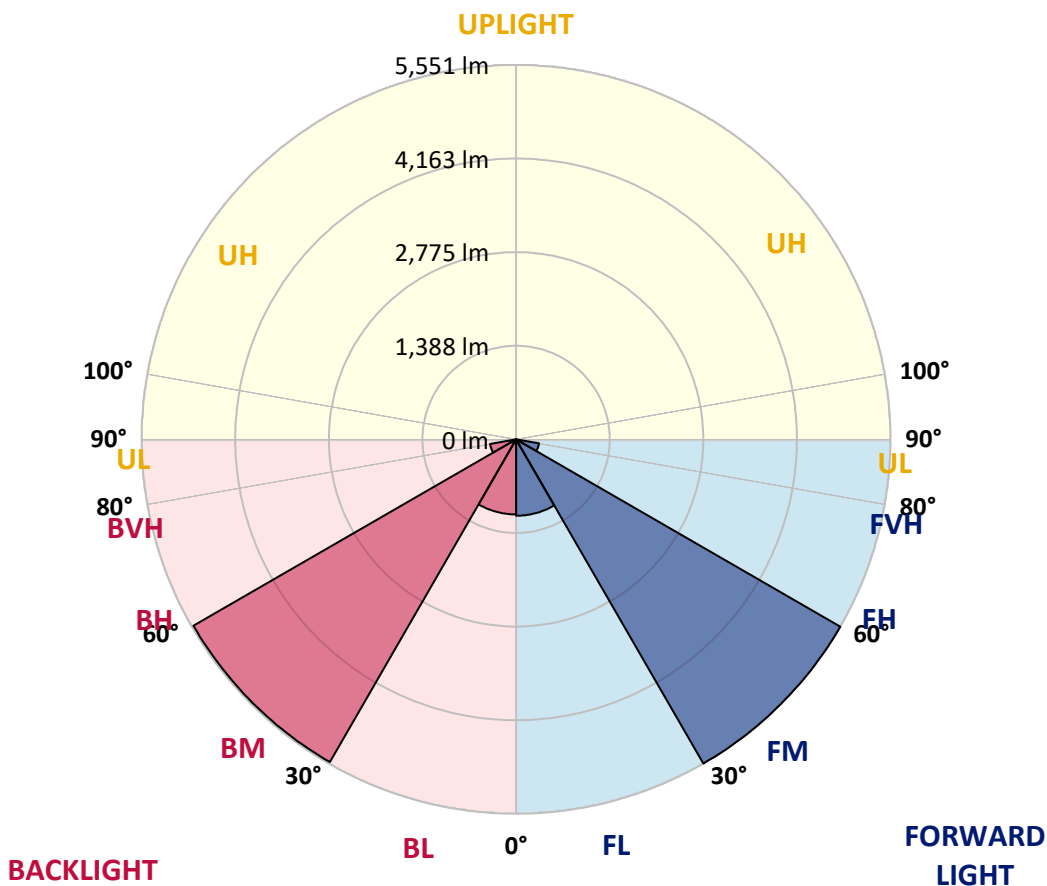
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1132.6	8.1			
FM (30°-60°)	5550.7	39.5			
FH (60°-80°)	345.7	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1112.9	7.9	B3/2500		
BM (30°-60°)	5523.8	39.3	B4/8500		
BH (60°-80°)	391.9	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





REPORT NUMBER: P635716

CATALOG NUMBER: GWS-SA3E-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5
2.5°	1962.2	1966.9	1973.1	1979.3	1987.1	1994.8	1999.5	2013.5	2010.4	2022.8	2022.8
5°	1940.4	1945.1	1952.9	1966.9	1984.0	2001.1	2013.5	2041.5	2057.0	2081.9	2091.2
7.5°	1951.3	1957.5	1966.9	1988.6	2015.1	2041.5	2055.5	2100.6	2131.7	2178.3	2204.8
10°	1987.1	1993.3	2008.8	2046.2	2080.4	2117.7	2134.8	2192.3	2242.1	2305.8	2343.1
12.5°	2027.5	2035.3	2066.4	2122.3	2181.4	2231.2	2254.5	2318.3	2369.6	2441.1	2500.2
15°	2069.5	2081.9	2130.1	2212.5	2296.5	2363.3	2388.2	2456.6	2507.9	2584.1	2651.0
17.5°	2167.4	2181.4	2235.8	2324.5	2439.5	2517.3	2539.0	2610.6	2649.4	2700.7	2770.7
20°	2290.3	2316.7	2383.6	2490.8	2616.8	2691.4	2707.0	2776.9	2773.8	2795.6	2856.2
22.5°	2442.6	2461.3	2534.4	2661.9	2803.4	2885.8	2921.5	2951.1	2912.2	2893.5	2932.4
25°	2601.2	2623.0	2702.3	2842.2	3000.8	3095.7	3125.2	3148.5	3086.3	3016.4	3021.0
27.5°	2806.5	2822.0	2899.8	3049.0	3207.6	3314.9	3341.3	3381.8	3299.4	3187.4	3156.3
30°	3050.6	3066.1	3148.5	3305.6	3462.6	3554.3	3594.8	3644.5	3554.3	3414.4	3378.6
32.5°	3336.7	3352.2	3457.9	3619.6	3748.7	3848.2	3887.1	3939.9	3868.4	3711.4	3671.0
35°	3678.7	3688.1	3812.4	3988.1	4125.0	4221.4	4247.8	4310.0	4230.7	4073.7	4051.9
37.5°	4075.2	4086.1	4221.4	4425.1	4565.0	4672.3	4714.3	4731.4	4635.0	4459.3	4442.2
40°	4510.6	4546.3	4678.5	4897.7	5054.8	5190.0	5227.3	5169.8	5034.5	4795.1	4764.0
42.5°	4964.6	4995.7	5143.4	5381.3	5563.2	5701.6	5703.1	5578.7	5348.6	5017.4	4970.8
45°	5342.4	5354.8	5546.1	5785.5	6009.4	6107.4	6116.7	5891.3	5544.5	5146.5	5047.0
47.5°	5602.1	5622.3	5788.6	6018.8	6266.0	6354.6	6335.9	6054.5	5637.8	5230.5	5065.6
50°	5605.2	5639.4	5819.7	6042.1	6281.5	6388.8	6362.4	6101.2	5690.7	5233.6	5020.6
52.5°	5109.2	5165.2	5459.0	5780.9	6147.8	6331.3	6337.5	6161.8	5670.5	5183.8	4980.1
55°	3854.4	3915.1	4285.1	4834.0	5543.0	6054.5	6143.1	6090.3	5647.1	5205.6	5051.6
57.5°	2039.9	1993.3	2198.5	2742.7	3633.6	4538.6	4798.2	5221.1	5387.5	5232.0	5183.8
60°	444.7	474.2	631.3	850.5	1418.0	2134.8	2388.2	3112.8	3974.2	4356.6	4633.4
62.5°	191.2	188.1	195.9	222.3	325.0	541.1	660.8	1079.1	1702.5	2338.5	2769.2
65°	157.0	158.6	164.8	164.8	153.9	155.5	163.3	247.2	398.0	558.2	749.4
67.5°	118.2	119.7	130.6	133.7	125.9	111.9	110.4	93.3	98.0	122.8	127.5
70°	74.6	74.6	80.9	84.0	84.0	77.7	76.2	66.9	65.3	74.6	84.0
72.5°	40.4	40.4	43.5	45.1	43.5	42.0	42.0	40.4	38.9	45.1	57.5
75°	17.1	17.1	18.7	18.7	17.1	17.1	17.1	17.1	17.1	20.2	31.1
77.5°	3.1	4.7	6.2	4.7	3.1	3.1	3.1	4.7	4.7	6.2	9.3
80°	1.6	1.6	3.1	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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



REPORT NUMBER: P635716

CATALOG NUMBER: GWS-SA3E-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5	1999.5
2.5°	2033.7	2016.6	2022.8	2025.9	2021.3	2018.2	2001.1	1996.4	1988.6	1976.2	1973.1
5°	2102.1	2088.1	2086.6	2077.3	2055.5	2029.1	1996.4	1982.4	1966.9	1951.3	1948.2
7.5°	2217.2	2200.1	2189.2	2158.1	2108.4	2066.4	2012.0	1982.4	1962.2	1942.0	1937.3
10°	2364.9	2344.7	2313.6	2256.1	2189.2	2128.6	2064.8	2025.9	1994.8	1966.9	1965.3
12.5°	2521.9	2500.2	2444.2	2371.1	2290.3	2234.3	2153.4	2099.0	2052.4	2010.4	2005.7
15°	2686.7	2660.3	2584.1	2497.1	2422.4	2364.9	2276.3	2189.2	2117.7	2057.0	2050.8
17.5°	2812.7	2780.0	2689.9	2624.6	2563.9	2504.8	2405.3	2290.3	2195.4	2122.3	2105.2
20°	2892.0	2860.9	2775.4	2739.6	2711.6	2669.6	2551.5	2431.8	2326.0	2235.8	2220.3
22.5°	2968.2	2930.9	2856.2	2856.2	2878.0	2860.9	2733.4	2596.6	2472.2	2368.0	2344.7
25°	3053.7	3024.1	2971.3	3014.8	3069.2	3067.7	2937.1	2766.0	2623.0	2506.4	2483.1
27.5°	3178.1	3148.5	3129.9	3212.3	3280.7	3276.0	3133.0	2948.0	2797.1	2682.1	2660.3
30°	3397.3	3369.3	3349.1	3448.6	3535.7	3503.0	3346.0	3167.2	3014.8	2884.2	2868.7
32.5°	3689.6	3660.1	3633.6	3733.2	3810.9	3768.9	3619.6	3451.7	3276.0	3148.5	3117.4
35°	4073.7	4011.5	3985.0	4103.2	4135.9	4089.2	3946.2	3798.5	3611.9	3465.7	3445.5
37.5°	4470.1	4397.1	4378.4	4481.0	4533.9	4516.8	4348.9	4194.9	3992.8	3831.1	3807.8
40°	4809.1	4742.2	4709.6	4869.7	4989.5	5000.3	4849.5	4661.4	4423.5	4255.6	4213.6
42.5°	5008.1	4950.6	4942.8	5191.6	5387.5	5527.4	5347.1	5152.7	4902.4	4712.7	4678.5
45°	5053.2	5015.9	5081.2	5407.7	5712.5	5967.4	5813.5	5608.3	5337.7	5137.2	5104.5
47.5°	5048.5	5036.1	5152.7	5519.7	5905.3	6219.3	6143.1	5911.5	5650.3	5440.4	5409.3
50°	4981.7	4983.2	5177.6	5575.6	5983.0	6287.7	6211.6	5997.0	5763.8	5557.0	5532.1
52.5°	4955.2	4945.9	5130.9	5558.5	6062.3	6256.6	6085.6	5844.6	5585.0	5330.0	5292.6
55°	5048.5	5025.2	5137.2	5544.5	6071.6	6239.5	5788.6	5266.2	4734.5	4432.8	4407.9
57.5°	5188.5	5163.6	5216.5	5441.9	5585.0	5188.5	4260.2	3417.5	2870.2	2638.5	2537.5
60°	4633.4	4616.3	4575.9	4303.8	3691.2	2784.7	1896.9	1209.7	869.2	702.8	702.8
62.5°	2874.9	2851.6	2632.3	1956.0	1421.1	822.5	452.5	283.0	214.6	200.6	199.0
65°	807.0	802.3	663.9	469.6	298.5	185.0	163.3	166.4	163.3	158.6	157.0
67.5°	121.3	133.7	133.7	108.8	104.2	116.6	136.8	146.2	138.4	130.6	127.5
70°	77.7	84.0	80.9	70.0	74.6	87.1	98.0	99.5	94.8	87.1	85.5
72.5°	54.4	60.6	49.8	45.1	46.6	51.3	56.0	56.0	54.4	51.3	48.2
75°	32.7	32.7	23.3	21.8	21.8	23.3	23.3	26.4	26.4	24.9	23.3
77.5°	10.9	12.4	7.8	6.2	6.2	6.2	7.8	9.3	9.3	7.8	6.2
80°	1.6	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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)