

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: P635826

Luminaire Tested: GWS-SA3E-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635826
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-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: 14579.8 lumens
Efficiency: N/A
Efficacy: 91.6 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

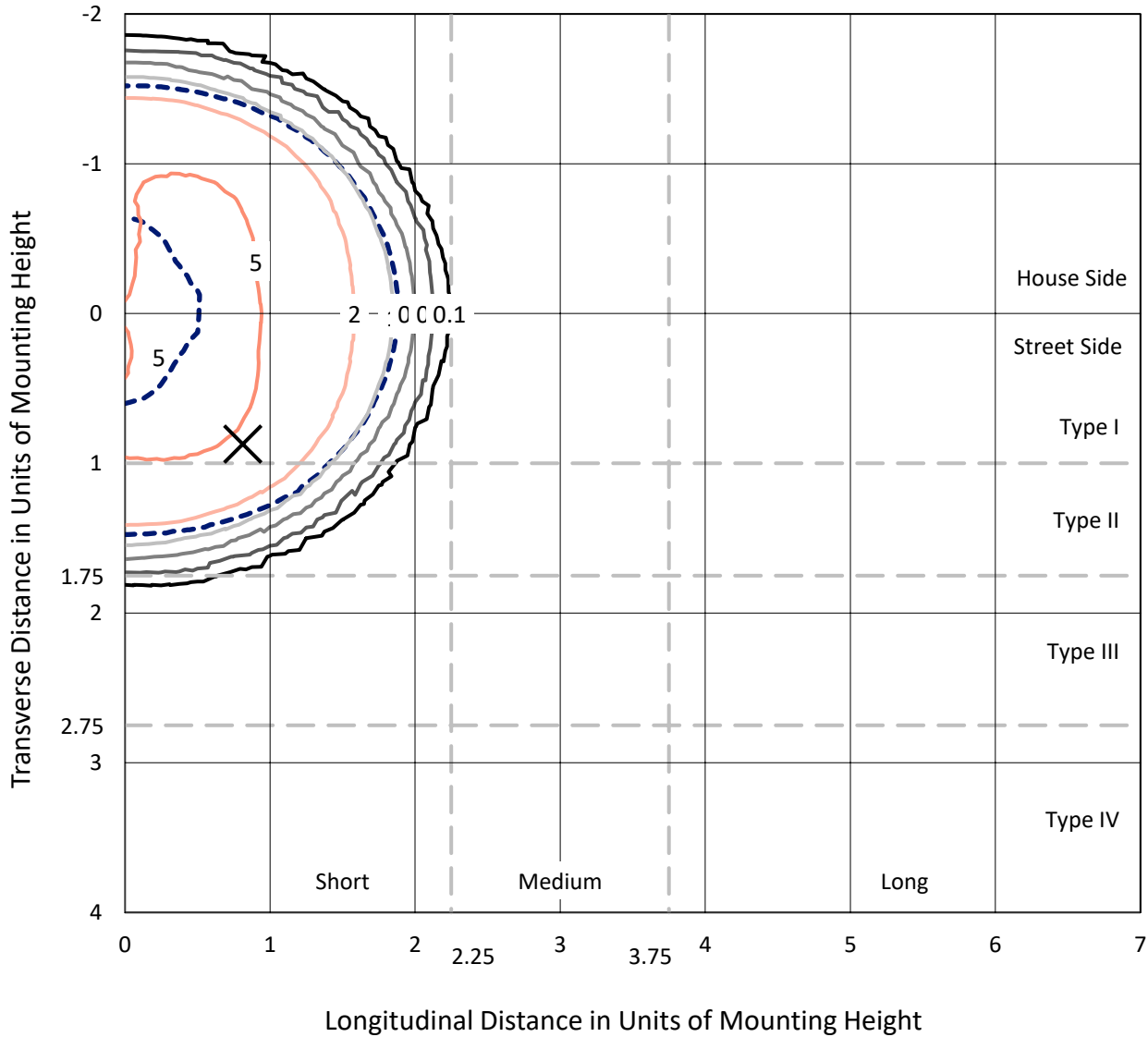
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

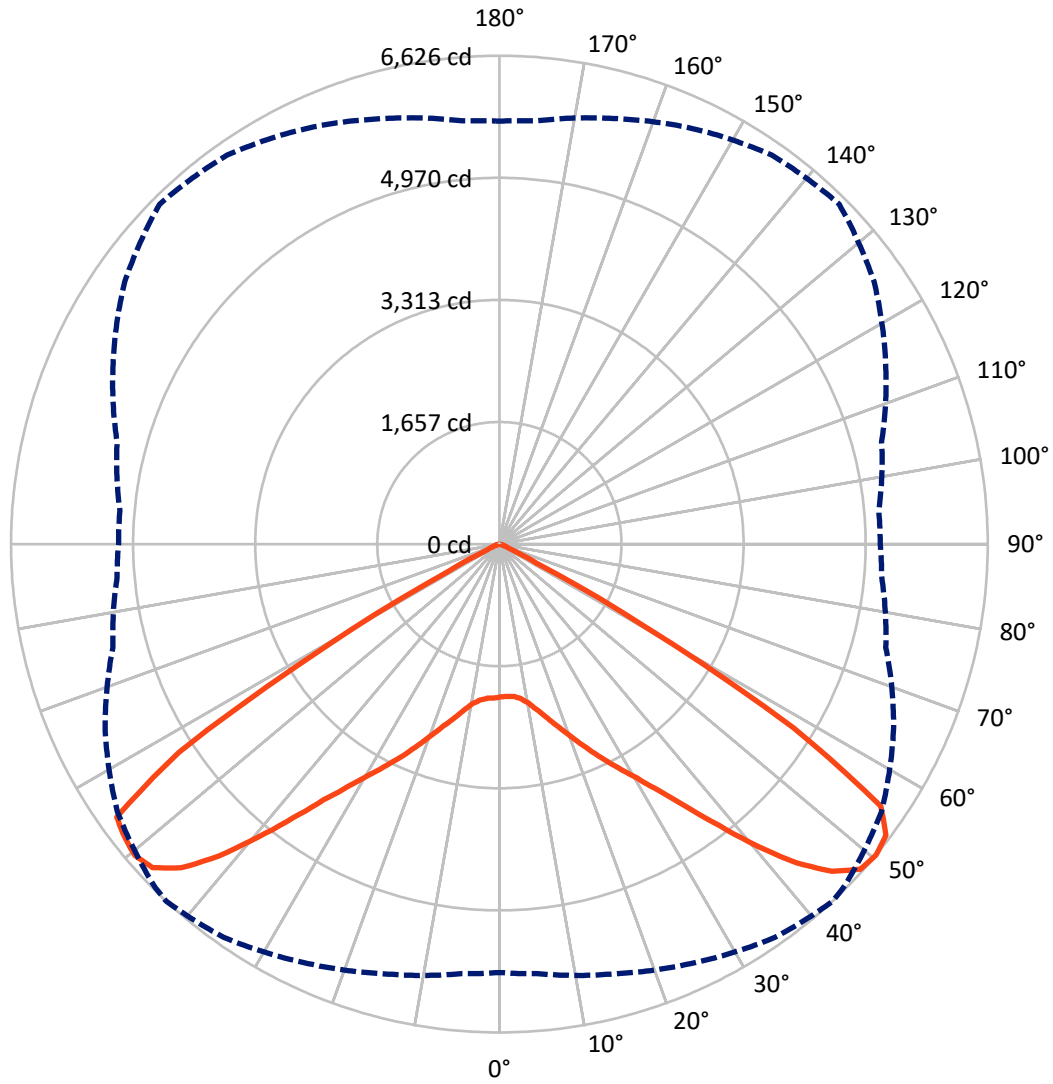
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

REPORT NUMBER: P635826
CATALOG NUMBER: GWS-SA3E-750-U-RW-W-GRSBK

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	7289.7	0.0	7289.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7290.1	0.0	7290.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14579.8	0.0	14579.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	1.4
10°-20°	702.8	4.8
20°-30°	1421.8	9.8
30°-40°	2638.0	18.1
40°-50°	4378.9	30.0
50°-60°	4468.8	30.7
60°-70°	732.8	5.0
70°-80°	32.1	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°	14579.8	100.0
0°-180°	14579.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635826

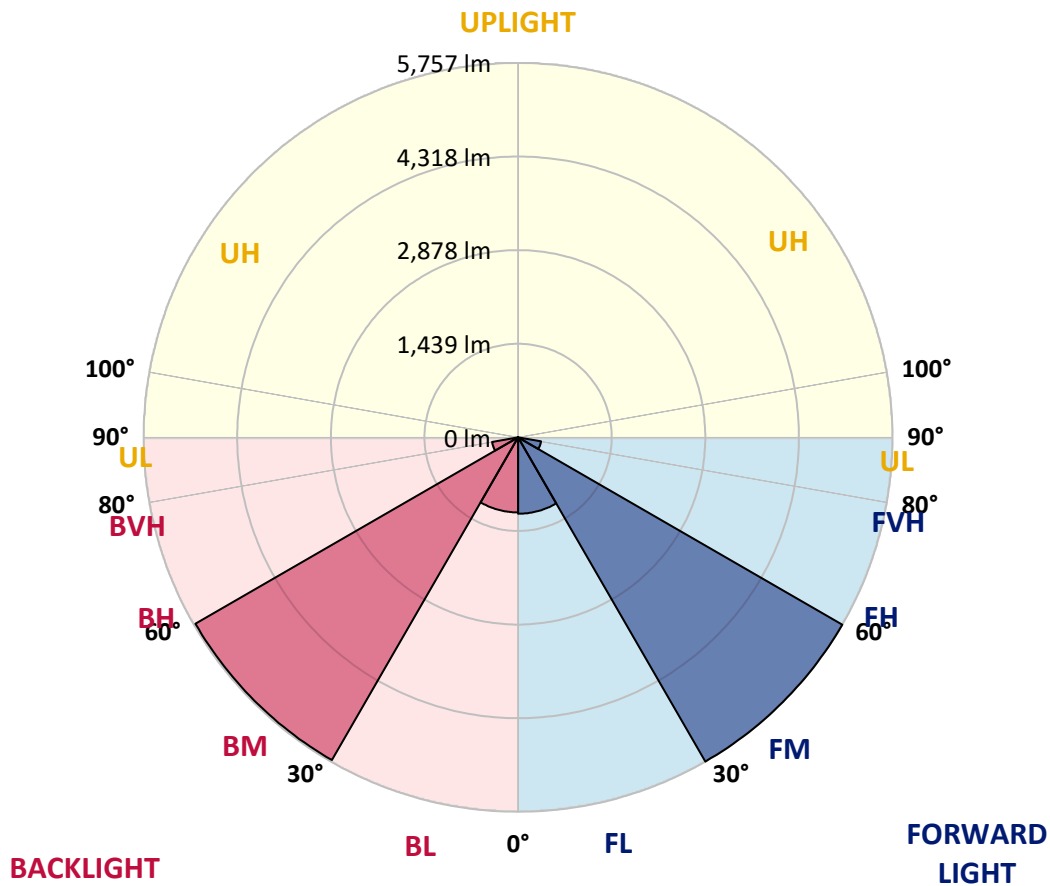
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1174.6	8.1			
FM (30°-60°)	5756.8	39.5			
FH (60°-80°)	358.5	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1154.2	7.9	B3/2500		
BM (30°-60°)	5728.8	39.3	B4/8500		
BH (60°-80°)	406.4	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: P635826

CATALOG NUMBER: GWS-SA3E-750-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7
2.5°	2035.0	2039.9	2046.3	2052.8	2060.8	2068.9	2073.7	2088.3	2085.0	2097.9	2097.9
5°	2012.5	2017.3	2025.4	2039.9	2057.6	2075.4	2088.3	2117.3	2133.4	2159.2	2168.9
7.5°	2023.8	2030.2	2039.9	2062.5	2089.9	2117.3	2131.8	2178.6	2210.8	2259.2	2286.6
10°	2060.8	2067.3	2083.4	2122.1	2157.6	2196.3	2214.0	2273.7	2325.3	2391.4	2430.1
12.5°	2102.8	2110.8	2143.1	2201.1	2262.4	2314.0	2338.2	2404.3	2457.5	2531.7	2593.0
15°	2146.3	2159.2	2209.2	2294.7	2381.7	2451.1	2476.9	2547.8	2601.1	2680.1	2749.4
17.5°	2247.9	2262.4	2318.9	2410.8	2530.1	2610.7	2633.3	2707.5	2747.8	2801.0	2873.6
20°	2375.3	2402.7	2472.0	2583.3	2713.9	2791.3	2807.5	2880.0	2876.8	2899.4	2962.3
22.5°	2533.3	2552.7	2628.5	2760.7	2907.4	2992.9	3030.0	3060.6	3020.3	3001.0	3041.3
25°	2697.8	2720.4	2802.6	2947.8	3112.2	3210.6	3241.2	3265.4	3200.9	3128.4	3133.2
27.5°	2910.7	2926.8	3007.4	3162.2	3326.7	3438.0	3465.4	3507.3	3421.8	3305.7	3273.5
30°	3163.8	3180.0	3265.4	3428.3	3591.2	3686.3	3728.2	3779.8	3686.3	3541.2	3504.1
32.5°	3460.5	3476.7	3586.3	3754.0	3887.9	3991.1	4031.4	4086.2	4012.0	3849.2	3807.2
35°	3815.3	3825.0	3954.0	4136.2	4278.1	4378.1	4405.5	4470.0	4387.8	4224.9	4202.3
37.5°	4226.5	4237.8	4378.1	4589.3	4734.5	4845.7	4889.3	4907.0	4807.0	4624.8	4607.1
40°	4678.0	4715.1	4852.2	5079.5	5242.4	5382.7	5421.4	5361.7	5221.5	4973.1	4940.9
42.5°	5148.9	5181.1	5334.3	5581.1	5769.7	5913.2	5914.9	5785.8	5547.2	5203.7	5155.3
45°	5540.7	5553.6	5752.0	6000.3	6232.5	6334.1	6343.8	6110.0	5750.4	5337.6	5234.4
47.5°	5810.0	5831.0	6003.5	6242.2	6498.6	6590.5	6571.2	6279.3	5847.1	5424.6	5253.7
50°	5813.3	5848.7	6035.8	6266.4	6514.7	6626.0	6598.6	6327.7	5902.0	5427.9	5206.9
52.5°	5298.9	5356.9	5661.7	5995.5	6376.0	6566.3	6572.8	6390.6	5881.0	5376.3	5165.0
55°	3997.5	4060.4	4444.2	5013.4	5748.8	6279.3	6371.2	6316.4	5856.8	5398.8	5239.2
57.5°	2115.7	2067.3	2280.2	2844.5	3768.5	4707.0	4976.3	5415.0	5587.5	5426.2	5376.3
60°	461.2	491.8	654.7	882.1	1470.7	2214.0	2476.9	3228.3	4121.7	4518.4	4805.4
62.5°	198.3	195.1	203.2	230.6	337.0	561.2	685.3	1119.1	1765.7	2425.3	2872.0
65°	162.9	164.5	170.9	170.9	159.6	161.3	169.3	256.4	412.8	578.9	777.3
67.5°	122.6	124.2	135.5	138.7	130.6	116.1	114.5	96.8	101.6	127.4	132.2
70°	77.4	77.4	83.9	87.1	87.1	80.6	79.0	69.3	67.7	77.4	87.1
72.5°	41.9	41.9	45.2	46.8	45.2	43.5	43.5	41.9	40.3	46.8	59.7
75°	17.7	17.7	19.4	19.4	17.7	17.7	17.7	17.7	17.7	21.0	32.3
77.5°	3.2	4.8	6.5	4.8	3.2	3.2	3.2	4.8	4.8	6.5	9.7
80°	1.6	1.6	3.2	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: P635826

CATALOG NUMBER: GWS-SA3E-750-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7	2073.7
2.5°	2109.2	2091.5	2097.9	2101.2	2096.3	2093.1	2075.4	2070.5	2062.5	2049.6	2046.3
5°	2180.2	2165.7	2164.0	2154.4	2131.8	2104.4	2070.5	2056.0	2039.9	2023.8	2020.5
7.5°	2299.5	2281.8	2270.5	2238.2	2186.6	2143.1	2086.6	2056.0	2035.0	2014.1	2009.2
10°	2452.7	2431.7	2399.5	2339.8	2270.5	2207.6	2141.5	2101.2	2068.9	2039.9	2038.3
12.5°	2615.6	2593.0	2534.9	2459.1	2375.3	2317.2	2233.4	2176.9	2128.6	2085.0	2080.2
15°	2786.5	2759.1	2680.1	2589.8	2512.4	2452.7	2360.8	2270.5	2196.3	2133.4	2127.0
17.5°	2917.1	2883.2	2789.7	2722.0	2659.1	2597.8	2494.6	2375.3	2276.9	2201.1	2183.4
20°	2999.4	2967.1	2878.4	2841.3	2812.3	2768.8	2646.2	2522.0	2412.4	2318.9	2302.7
22.5°	3078.4	3039.7	2962.3	2962.3	2984.8	2967.1	2834.9	2693.0	2564.0	2455.9	2431.7
25°	3167.1	3136.4	3081.6	3126.7	3183.2	3181.6	3046.1	2868.7	2720.4	2599.4	2575.3
27.5°	3296.1	3265.4	3246.1	3331.5	3402.5	3397.7	3249.3	3057.4	2901.0	2781.7	2759.1
30°	3523.4	3494.4	3473.4	3576.6	3667.0	3633.1	3470.2	3284.8	3126.7	2991.3	2975.2
32.5°	3826.6	3796.0	3768.5	3871.7	3952.4	3908.8	3754.0	3579.9	3397.7	3265.4	3233.2
35°	4224.9	4160.4	4133.0	4255.5	4289.4	4241.0	4092.7	3939.5	3746.0	3594.4	3573.4
37.5°	4636.1	4560.3	4541.0	4647.4	4702.2	4684.5	4510.3	4350.7	4141.0	3973.3	3949.1
40°	4987.6	4918.3	4884.4	5050.5	5174.7	5186.0	5029.6	4834.4	4587.7	4413.6	4370.0
42.5°	5194.0	5134.4	5126.3	5384.3	5587.5	5732.6	5545.6	5344.0	5084.4	4887.7	4852.2
45°	5240.8	5202.1	5269.8	5608.5	5924.5	6189.0	6029.3	5816.5	5535.9	5327.9	5294.0
47.5°	5236.0	5223.1	5344.0	5724.6	6124.5	6450.2	6371.2	6130.9	5860.0	5642.3	5610.1
50°	5166.6	5168.2	5369.8	5782.6	6205.1	6521.2	6442.2	6219.6	5977.7	5763.3	5737.5
52.5°	5139.2	5129.5	5321.4	5764.9	6287.4	6488.9	6311.5	6061.6	5792.3	5527.8	5489.1
55°	5236.0	5211.8	5327.9	5750.4	6297.0	6471.2	6003.5	5461.7	4910.2	4597.4	4571.6
57.5°	5381.1	5355.3	5410.1	5643.9	5792.3	5381.1	4418.4	3544.4	2976.8	2736.5	2631.7
60°	4805.4	4787.7	4745.7	4463.6	3828.2	2888.1	1967.3	1254.6	901.4	728.9	728.9
62.5°	2981.6	2957.4	2730.1	2028.6	1473.9	853.0	469.3	293.5	222.5	208.0	206.4
65°	836.9	832.1	688.6	487.0	309.6	191.9	169.3	172.5	169.3	164.5	162.9
67.5°	125.8	138.7	138.7	112.9	108.0	120.9	141.9	151.6	143.5	135.5	132.2
70°	80.6	87.1	83.9	72.6	77.4	90.3	101.6	103.2	98.4	90.3	88.7
72.5°	56.4	62.9	51.6	46.8	48.4	53.2	58.1	58.1	56.4	53.2	50.0
75°	33.9	33.9	24.2	22.6	22.6	24.2	24.2	27.4	27.4	25.8	24.2
77.5°	11.3	12.9	8.1	6.5	6.5	6.5	8.1	9.7	9.7	8.1	6.5
80°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	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)