

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: P641766

Luminaire Tested: GWS-SA6B-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641766
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-SA6B-750-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14036.9 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

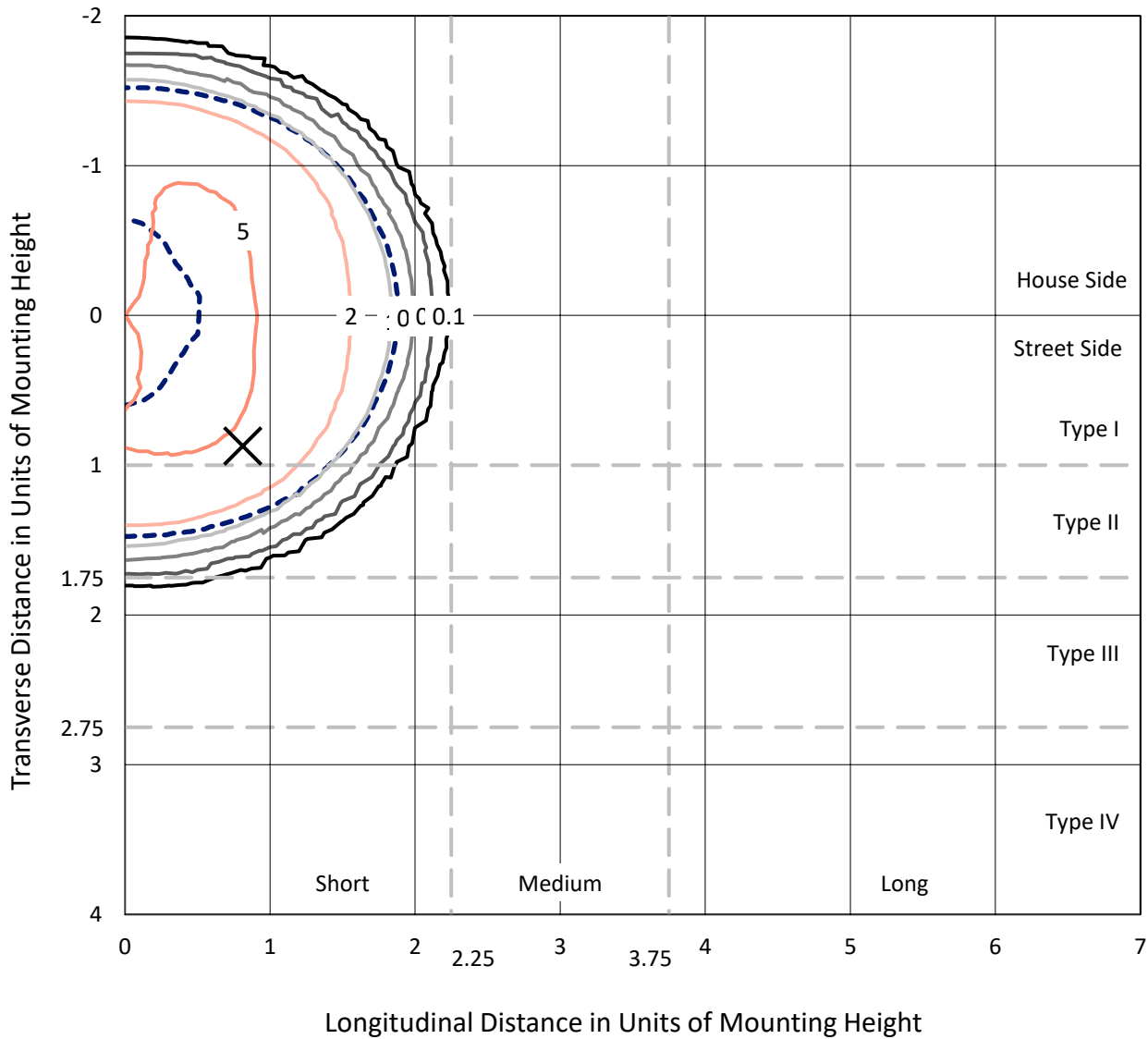
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

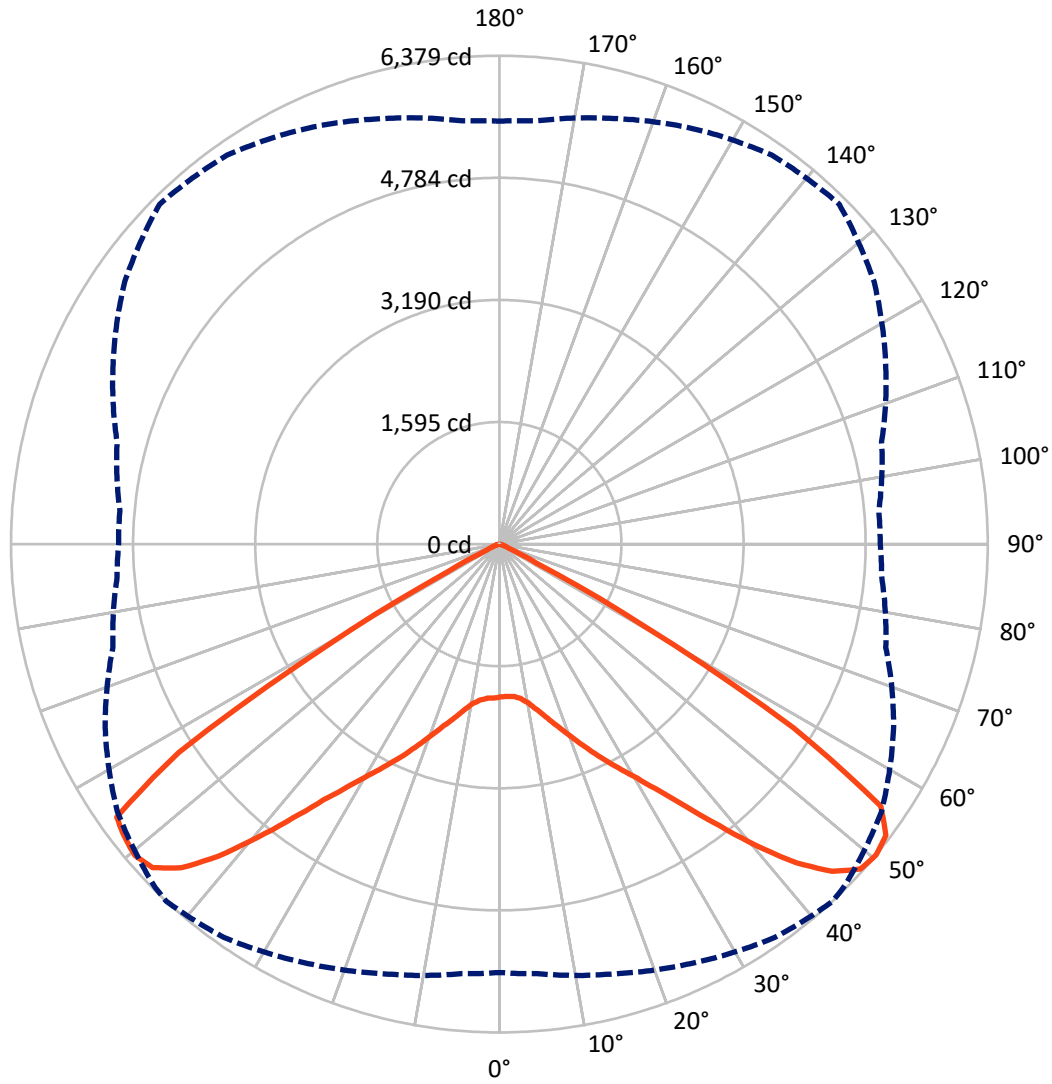
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 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	7018.3	0.0	7018.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7018.6	0.0	7018.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14036.9	0.0	14036.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	1.4
10°-20°	676.6	4.8
20°-30°	1368.9	9.8
30°-40°	2539.7	18.1
40°-50°	4215.8	30.0
50°-60°	4302.4	30.7
60°-70°	705.5	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°	14036.9	100.0
0°-180°	14036.9	100.0

Coefficient of Utilization



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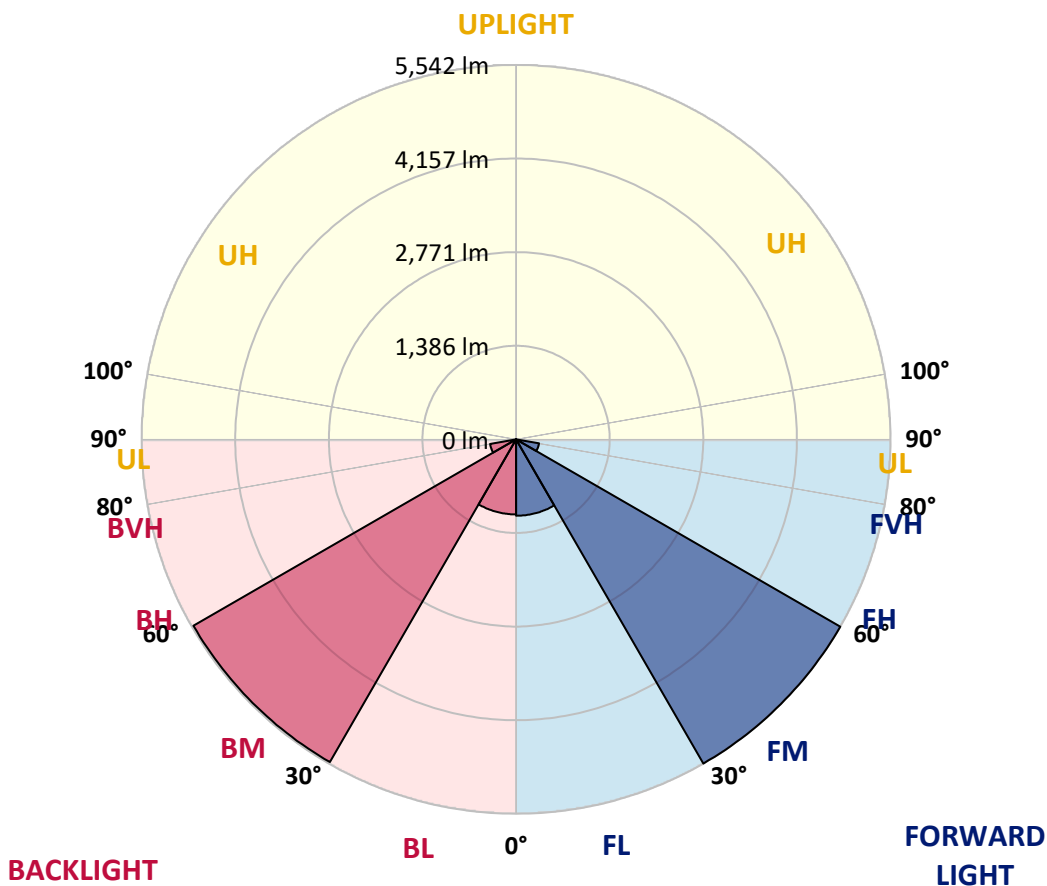
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.9	8.1			
FM (30°-60°)	5542.4	39.5			
FH (60°-80°)	345.2	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1111.2	7.9	B3/2500		
BM (30°-60°)	5515.5	39.3	B4/8500		
BH (60°-80°)	391.3	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°	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5
2.5°	1959.3	1963.9	1970.1	1976.3	1984.1	1991.9	1996.5	2010.5	2007.4	2019.8	2019.8
5°	1937.5	1942.2	1950.0	1963.9	1981.0	1998.1	2010.5	2038.4	2054.0	2078.8	2088.1
7.5°	1948.4	1954.6	1963.9	1985.7	2012.1	2038.4	2052.4	2097.4	2128.5	2175.1	2201.5
10°	1984.1	1990.3	2005.8	2043.1	2077.3	2114.5	2131.6	2189.0	2238.7	2302.4	2339.6
12.5°	2024.5	2032.2	2063.3	2119.2	2178.2	2227.9	2251.1	2314.8	2366.0	2437.4	2496.4
15°	2066.4	2078.8	2126.9	2209.2	2293.1	2359.8	2384.7	2453.0	2504.2	2580.3	2647.0
17.5°	2164.2	2178.2	2232.5	2321.0	2435.9	2513.5	2535.2	2606.7	2645.5	2696.7	2766.6
20°	2286.8	2313.2	2380.0	2487.1	2612.9	2687.4	2702.9	2772.8	2769.7	2791.4	2852.0
22.5°	2439.0	2457.6	2530.6	2657.9	2799.2	2881.5	2917.2	2946.7	2907.8	2889.2	2928.0
25°	2597.3	2619.1	2698.3	2838.0	2996.3	3091.0	3120.5	3143.8	3081.7	3011.9	3016.5
27.5°	2802.3	2817.8	2895.4	3044.5	3202.8	3309.9	3336.3	3376.7	3294.4	3182.6	3151.6
30°	3046.0	3061.5	3143.8	3300.6	3457.4	3549.0	3589.4	3639.1	3549.0	3409.3	3373.6
32.5°	3331.7	3347.2	3452.8	3614.2	3743.1	3842.5	3881.3	3934.1	3862.6	3705.8	3665.5
35°	3673.2	3682.6	3806.8	3982.2	4118.8	4215.1	4241.5	4303.6	4224.4	4067.6	4045.8
37.5°	4069.1	4080.0	4215.1	4418.4	4558.2	4665.3	4707.2	4724.3	4628.0	4452.6	4435.5
40°	4503.8	4539.5	4671.5	4890.4	5047.2	5182.3	5219.5	5162.1	5027.0	4787.9	4756.9
42.5°	4957.2	4988.2	5135.7	5373.2	5554.9	5693.1	5694.6	5570.4	5340.6	5009.9	4963.4
45°	5334.4	5346.8	5537.8	5776.9	6000.4	6098.3	6107.6	5882.5	5536.2	5138.8	5039.4
47.5°	5593.7	5613.9	5780.0	6009.8	6256.6	6345.1	6326.5	6045.5	5629.4	5222.6	5058.1
50°	5596.8	5631.0	5811.0	6033.1	6272.1	6379.3	6352.9	6092.0	5682.2	5225.7	5013.1
52.5°	5101.5	5157.4	5450.9	5772.2	6138.6	6321.8	6328.0	6152.6	5662.0	5176.1	4972.7
55°	3848.7	3909.2	4278.7	4826.8	5534.7	6045.5	6134.0	6081.2	5638.7	5197.8	5044.1
57.5°	2036.9	1990.3	2195.2	2738.6	3628.2	4531.8	4791.0	5213.3	5379.4	5224.2	5176.1
60°	444.0	473.5	630.3	849.2	1415.9	2131.6	2384.7	3108.1	3968.2	4350.1	4626.5
62.5°	191.0	187.9	195.6	222.0	324.5	540.3	659.8	1077.4	1700.0	2335.0	2765.0
65°	156.8	158.4	164.6	164.6	153.7	155.3	163.0	246.8	397.4	557.4	748.3
67.5°	118.0	119.5	130.4	133.5	125.8	111.8	110.2	93.2	97.8	122.6	127.3
70°	74.5	74.5	80.7	83.8	83.8	77.6	76.1	66.8	65.2	74.5	83.8
72.5°	40.4	40.4	43.5	45.0	43.5	41.9	41.9	40.4	38.8	45.0	57.4
75°	17.1	17.1	18.6	18.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5
2.5°	2030.7	2013.6	2019.8	2022.9	2018.3	2015.2	1998.1	1993.4	1985.7	1973.2	1970.1
5°	2099.0	2085.0	2083.5	2074.2	2052.4	2026.0	1993.4	1979.4	1963.9	1948.4	1945.3
7.5°	2213.9	2196.8	2185.9	2154.9	2105.2	2063.3	2008.9	1979.4	1959.3	1939.1	1934.4
10°	2361.4	2341.2	2310.1	2252.7	2185.9	2125.4	2061.7	2022.9	1991.9	1963.9	1962.4
12.5°	2518.2	2496.4	2440.5	2367.6	2286.8	2231.0	2150.2	2095.9	2049.3	2007.4	2002.7
15°	2682.7	2656.3	2580.3	2493.3	2418.8	2361.4	2272.9	2185.9	2114.5	2054.0	2047.8
17.5°	2808.5	2775.9	2685.8	2620.6	2560.1	2501.1	2401.7	2286.8	2192.1	2119.2	2102.1
20°	2887.7	2856.6	2771.2	2735.5	2707.6	2665.7	2547.7	2428.1	2322.6	2232.5	2217.0
22.5°	2963.7	2926.5	2852.0	2852.0	2873.7	2856.6	2729.3	2592.7	2468.5	2364.5	2341.2
25°	3049.1	3019.6	2966.8	3010.3	3064.7	3063.1	2932.7	2761.9	2619.1	2502.6	2479.4
27.5°	3173.3	3143.8	3125.2	3207.5	3275.8	3271.1	3128.3	2943.6	2793.0	2678.1	2656.3
30°	3392.2	3364.3	3344.1	3443.5	3530.4	3497.8	3341.0	3162.5	3010.3	2879.9	2864.4
32.5°	3684.1	3654.6	3628.2	3727.6	3805.2	3763.3	3614.2	3446.6	3271.1	3143.8	3112.8
35°	4067.6	4005.5	3979.1	4097.1	4129.7	4083.1	3940.3	3792.8	3606.5	3460.5	3440.4
37.5°	4463.5	4390.5	4371.9	4474.3	4527.1	4510.0	4342.4	4188.7	3986.8	3825.4	3802.1
40°	4801.9	4735.2	4702.6	4862.5	4982.0	4992.9	4842.3	4654.4	4416.9	4249.2	4207.3
42.5°	5000.6	4943.2	4935.4	5183.8	5379.4	5519.2	5339.1	5145.0	4895.1	4705.7	4671.5
45°	5045.7	5008.4	5073.6	5399.6	5703.9	5958.5	5804.8	5599.9	5329.8	5129.5	5096.9
47.5°	5041.0	5028.6	5145.0	5511.4	5896.4	6210.0	6134.0	5902.6	5641.8	5432.2	5401.2
50°	4974.2	4975.8	5169.9	5567.3	5974.1	6278.3	6202.3	5988.0	5755.2	5548.7	5523.8
52.5°	4947.8	4938.5	5123.3	5550.2	6053.2	6247.3	6076.5	5835.9	5576.6	5322.0	5284.7
55°	5041.0	5017.7	5129.5	5536.2	6062.5	6230.2	5780.0	5258.3	4727.4	4426.2	4401.4
57.5°	5180.7	5155.9	5208.7	5433.8	5576.6	5180.7	4253.9	3412.4	2865.9	2634.6	2533.7
60°	4626.5	4609.4	4569.0	4297.3	3685.7	2780.5	1894.1	1207.9	867.9	701.7	701.7
62.5°	2870.6	2847.3	2628.4	1953.1	1419.0	821.3	451.8	282.6	214.2	200.3	198.7
65°	805.8	801.1	662.9	468.9	298.1	184.7	163.0	166.1	163.0	158.4	156.8
67.5°	121.1	133.5	133.5	108.7	104.0	116.4	136.6	145.9	138.2	130.4	127.3
70°	77.6	83.8	80.7	69.9	74.5	86.9	97.8	99.4	94.7	86.9	85.4
72.5°	54.3	60.5	49.7	45.0	46.6	51.2	55.9	55.9	54.3	51.2	48.1
75°	32.6	32.6	23.3	21.7	21.7	23.3	23.3	26.4	26.4	24.8	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)