

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: P639786

Luminaire Tested: GWS-SA5C-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639786
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-SA5C-750-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15787.1 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

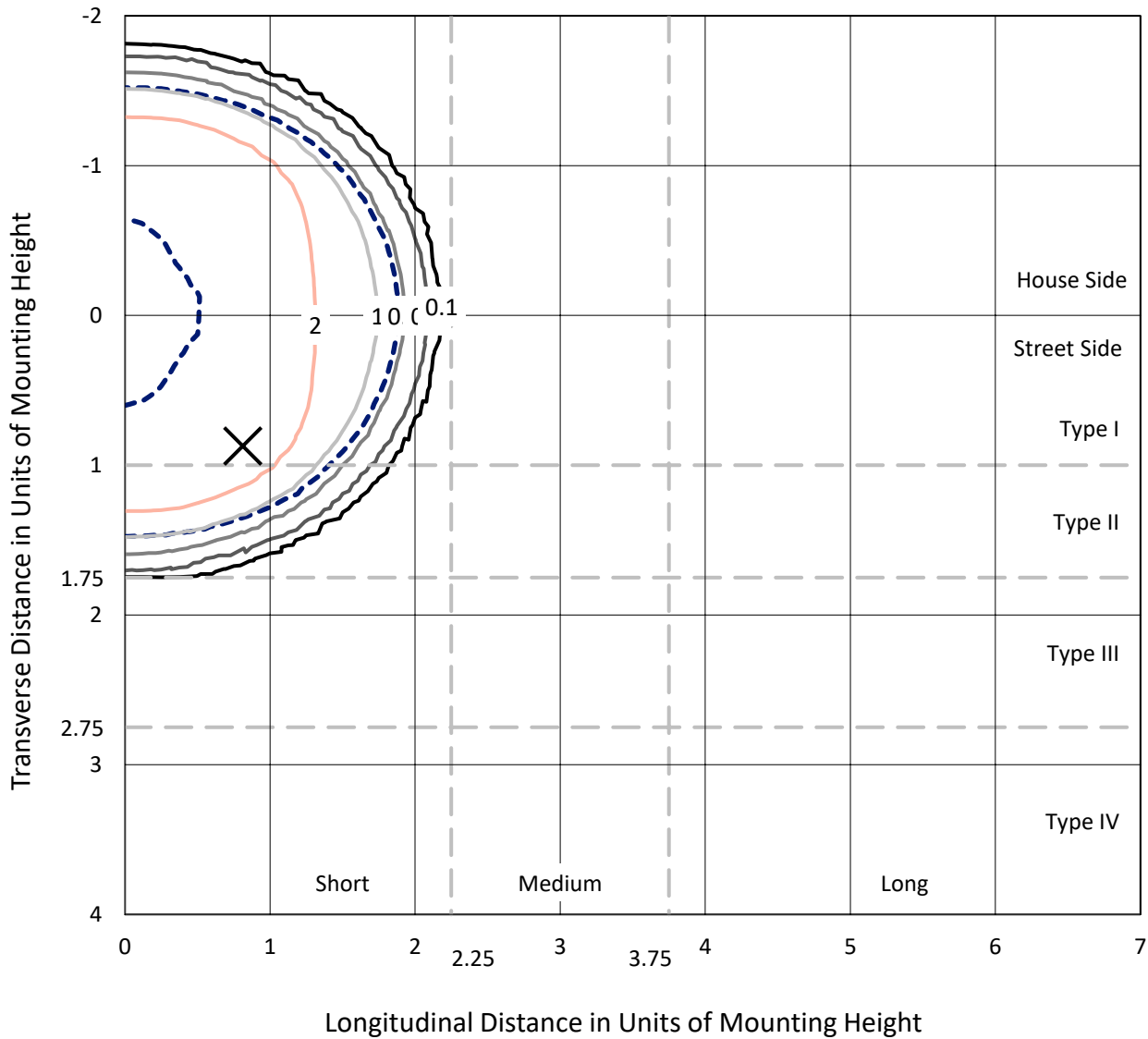
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA5C-750-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

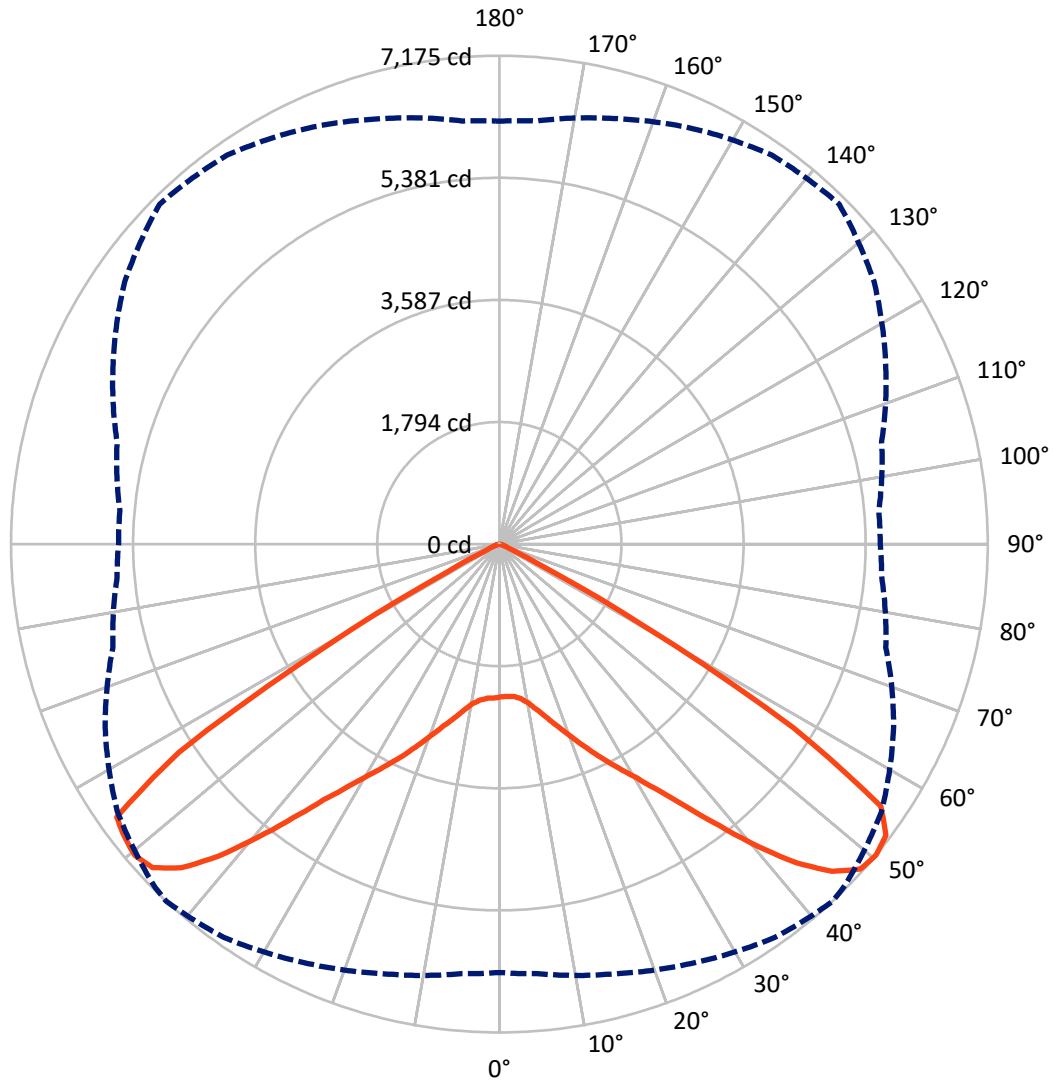
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P639786
CATALOG NUMBER: GWS-SA5C-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	7893.3	0.0	7893.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7893.7	0.0	7893.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15787.1	0.0	15787.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	1.4
10°-20°	761.0	4.8
20°-30°	1539.5	9.8
30°-40°	2856.4	18.1
40°-50°	4741.5	30.0
50°-60°	4838.9	30.7
60°-70°	793.5	5.0
70°-80°	34.7	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°	15787.1	100.0
0°-180°	15787.1	100.0

Coefficient of Utilization



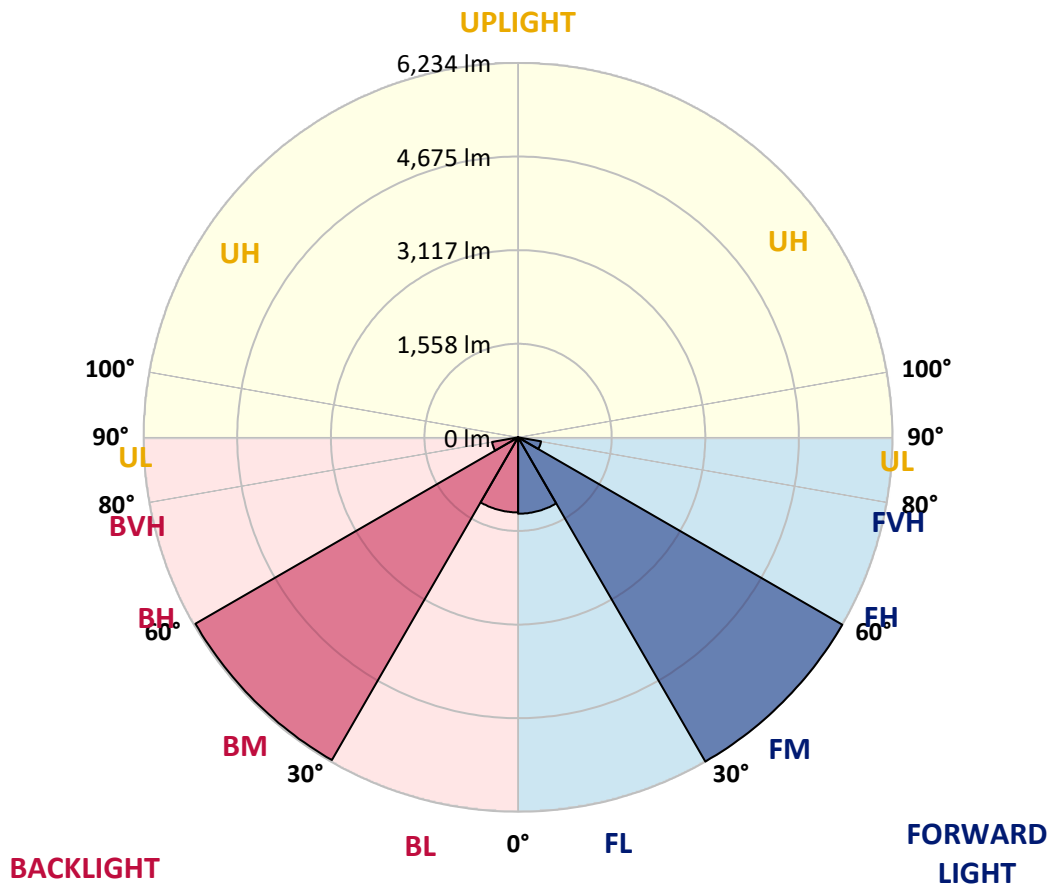
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.9	8.1			
FM (30°-60°)	6233.5	39.5			
FH (60°-80°)	388.2	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1249.8	7.9	B3/2500		
BM (30°-60°)	6203.2	39.3	B4/8500		
BH (60°-80°)	440.1	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: P639786

CATALOG NUMBER: GWS-SA5C-750-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5
2.5°	2203.6	2208.8	2215.8	2222.8	2231.5	2240.2	2245.5	2261.2	2257.7	2271.7	2271.7
5°	2179.1	2184.4	2193.1	2208.8	2228.0	2247.2	2261.2	2292.6	2310.1	2338.0	2348.5
7.5°	2191.3	2198.3	2208.8	2233.2	2262.9	2292.6	2308.3	2359.0	2393.9	2446.3	2475.9
10°	2231.5	2238.5	2255.9	2297.8	2336.3	2378.2	2397.4	2462.0	2517.9	2589.4	2631.4
12.5°	2276.9	2285.6	2320.5	2383.4	2449.8	2505.6	2531.8	2603.4	2661.0	2741.4	2807.7
15°	2324.0	2338.0	2392.1	2484.7	2579.0	2654.0	2682.0	2758.8	2816.4	2902.0	2977.1
17.5°	2434.0	2449.8	2510.9	2610.4	2739.6	2826.9	2851.4	2931.7	2975.3	3032.9	3111.5
20°	2572.0	2601.7	2676.7	2797.2	2938.7	3022.5	3039.9	3118.5	3115.0	3139.5	3207.6
22.5°	2743.1	2764.1	2846.1	2989.3	3148.2	3240.7	3280.9	3314.1	3270.4	3249.5	3293.1
25°	2921.2	2945.6	3034.7	3191.8	3369.9	3476.5	3509.6	3535.8	3466.0	3387.4	3392.6
27.5°	3151.7	3169.1	3256.4	3424.1	3602.2	3722.7	3752.3	3797.7	3705.2	3579.5	3544.6
30°	3425.8	3443.3	3535.8	3712.2	3888.5	3991.6	4036.9	4092.8	3991.6	3834.4	3794.2
32.5°	3747.1	3764.6	3883.3	4064.9	4209.8	4321.6	4365.2	4424.6	4344.3	4167.9	4122.5
35°	4131.2	4141.7	4281.4	4478.7	4632.4	4740.6	4770.3	4840.1	4751.1	4574.7	4550.3
37.5°	4576.5	4588.7	4740.6	4969.4	5126.5	5247.0	5294.1	5313.3	5205.1	5007.8	4988.6
40°	5065.4	5105.6	5254.0	5500.2	5676.5	5828.4	5870.3	5805.7	5653.8	5384.9	5350.0
42.5°	5575.2	5610.2	5776.0	6043.2	6247.5	6402.9	6404.6	6265.0	6006.5	5634.6	5582.2
45°	5999.5	6013.5	6228.3	6497.2	6748.6	6858.6	6869.1	6615.9	6226.5	5779.5	5667.8
47.5°	6291.1	6313.8	6500.7	6759.1	7036.7	7136.2	7115.3	6799.3	6331.3	5873.8	5688.7
50°	6294.6	6333.1	6535.6	6785.3	7054.2	7174.7	7145.0	6851.6	6390.7	5877.3	5638.1
52.5°	5737.6	5800.5	6130.5	6491.9	6904.0	7110.1	7117.0	6919.7	6368.0	5821.4	5592.7
55°	4328.5	4396.6	4812.2	5428.6	6224.8	6799.3	6898.8	6839.4	6341.8	5845.9	5673.0
57.5°	2290.9	2238.5	2469.0	3080.1	4080.6	5096.8	5388.4	5863.4	6050.2	5875.6	5821.4
60°	499.4	532.6	708.9	955.1	1592.4	2397.4	2682.0	3495.7	4463.0	4892.5	5203.3
62.5°	214.8	211.3	220.0	249.7	364.9	607.6	742.1	1211.8	1912.0	2626.1	3109.8
65°	176.4	178.1	185.1	185.1	172.9	174.6	183.3	277.6	447.0	626.8	841.6
67.5°	132.7	134.4	146.7	150.2	141.4	125.7	124.0	104.8	110.0	137.9	143.2
70°	83.8	83.8	90.8	94.3	94.3	87.3	85.6	75.1	73.3	83.8	94.3
72.5°	45.4	45.4	48.9	50.6	48.9	47.1	47.1	45.4	43.7	50.6	64.6
75°	19.2	19.2	21.0	21.0	19.2	19.2	19.2	19.2	19.2	22.7	34.9
77.5°	3.5	5.2	7.0	5.2	3.5	3.5	3.5	5.2	5.2	7.0	10.5
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



REPORT NUMBER: P639786

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5
2.5°	2283.9	2264.7	2271.7	2275.1	2269.9	2266.4	2247.2	2242.0	2233.2	2219.3	2215.8
5°	2360.7	2345.0	2343.2	2332.8	2308.3	2278.6	2242.0	2226.3	2208.8	2191.3	2187.8
7.5°	2489.9	2470.7	2458.5	2423.6	2367.7	2320.5	2259.4	2226.3	2203.6	2180.9	2175.6
10°	2655.8	2633.1	2598.2	2533.6	2458.5	2390.4	2318.8	2275.1	2240.2	2208.8	2207.1
12.5°	2832.1	2807.7	2744.8	2662.8	2572.0	2509.1	2418.3	2357.2	2304.8	2257.7	2252.4
15°	3017.2	2987.6	2902.0	2804.2	2720.4	2655.8	2556.3	2458.5	2378.2	2310.1	2303.1
17.5°	3158.7	3122.0	3020.7	2947.4	2879.3	2812.9	2701.2	2572.0	2465.5	2383.4	2364.2
20°	3247.7	3212.8	3116.8	3076.6	3045.2	2998.0	2865.3	2730.9	2612.1	2510.9	2493.4
22.5°	3333.3	3291.4	3207.6	3207.6	3232.0	3212.8	3069.6	2916.0	2776.3	2659.3	2633.1
25°	3429.3	3396.1	3336.8	3385.7	3446.8	3445.0	3298.4	3106.3	2945.6	2814.7	2788.5
27.5°	3569.0	3535.8	3514.9	3607.4	3684.2	3679.0	3518.4	3310.6	3141.2	3012.0	2987.6
30°	3815.2	3783.8	3761.1	3872.8	3970.6	3933.9	3757.6	3556.8	3385.7	3239.0	3221.5
32.5°	4143.5	4110.3	4080.6	4192.4	4279.7	4232.5	4064.9	3876.3	3679.0	3535.8	3500.9
35°	4574.7	4504.9	4475.2	4607.9	4644.6	4592.2	4431.6	4265.7	4056.2	3892.0	3869.3
37.5°	5020.0	4937.9	4917.0	5032.2	5091.6	5072.4	4883.8	4710.9	4483.9	4302.4	4276.2
40°	5400.6	5325.6	5288.9	5468.7	5603.2	5615.4	5446.0	5234.8	4967.6	4779.0	4731.9
42.5°	5624.1	5559.5	5550.8	5830.2	6050.2	6207.3	6004.8	5786.5	5505.4	5292.4	5254.0
45°	5674.8	5632.9	5706.2	6072.9	6415.1	6701.5	6528.6	6298.1	5994.3	5769.1	5732.4
47.5°	5669.5	5655.6	5786.5	6198.6	6631.6	6984.3	6898.8	6638.6	6345.3	6109.6	6074.6
50°	5594.5	5596.2	5814.5	6261.5	6718.9	7061.2	6975.6	6734.6	6472.7	6240.5	6212.6
52.5°	5564.8	5554.3	5762.1	6242.3	6808.0	7026.2	6834.2	6563.5	6271.9	5985.6	5943.7
55°	5669.5	5643.3	5769.1	6226.5	6818.5	7007.0	6500.7	5914.0	5316.8	4978.1	4950.2
57.5°	5826.7	5798.7	5858.1	6111.3	6271.9	5826.7	4784.3	3837.9	3223.3	2963.1	2849.6
60°	5203.3	5184.1	5138.7	4833.2	4145.2	3127.2	2130.2	1358.5	976.1	789.2	789.2
62.5°	3228.5	3202.3	2956.1	2196.6	1595.9	923.7	508.1	317.8	241.0	225.2	223.5
65°	906.2	901.0	745.6	527.3	335.2	207.8	183.3	186.8	183.3	178.1	176.4
67.5°	136.2	150.2	150.2	122.2	117.0	131.0	153.7	164.1	155.4	146.7	143.2
70°	87.3	94.3	90.8	78.6	83.8	97.8	110.0	111.7	106.5	97.8	96.0
72.5°	61.1	68.1	55.9	50.6	52.4	57.6	62.9	62.9	61.1	57.6	54.1
75°	36.7	36.7	26.2	24.4	24.4	26.2	26.2	29.7	29.7	27.9	26.2
77.5°	12.2	14.0	8.7	7.0	7.0	7.0	8.7	10.5	10.5	8.7	7.0
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)