

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: P639731

Luminaire Tested: GWS-SA5C-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639731
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15433.4 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

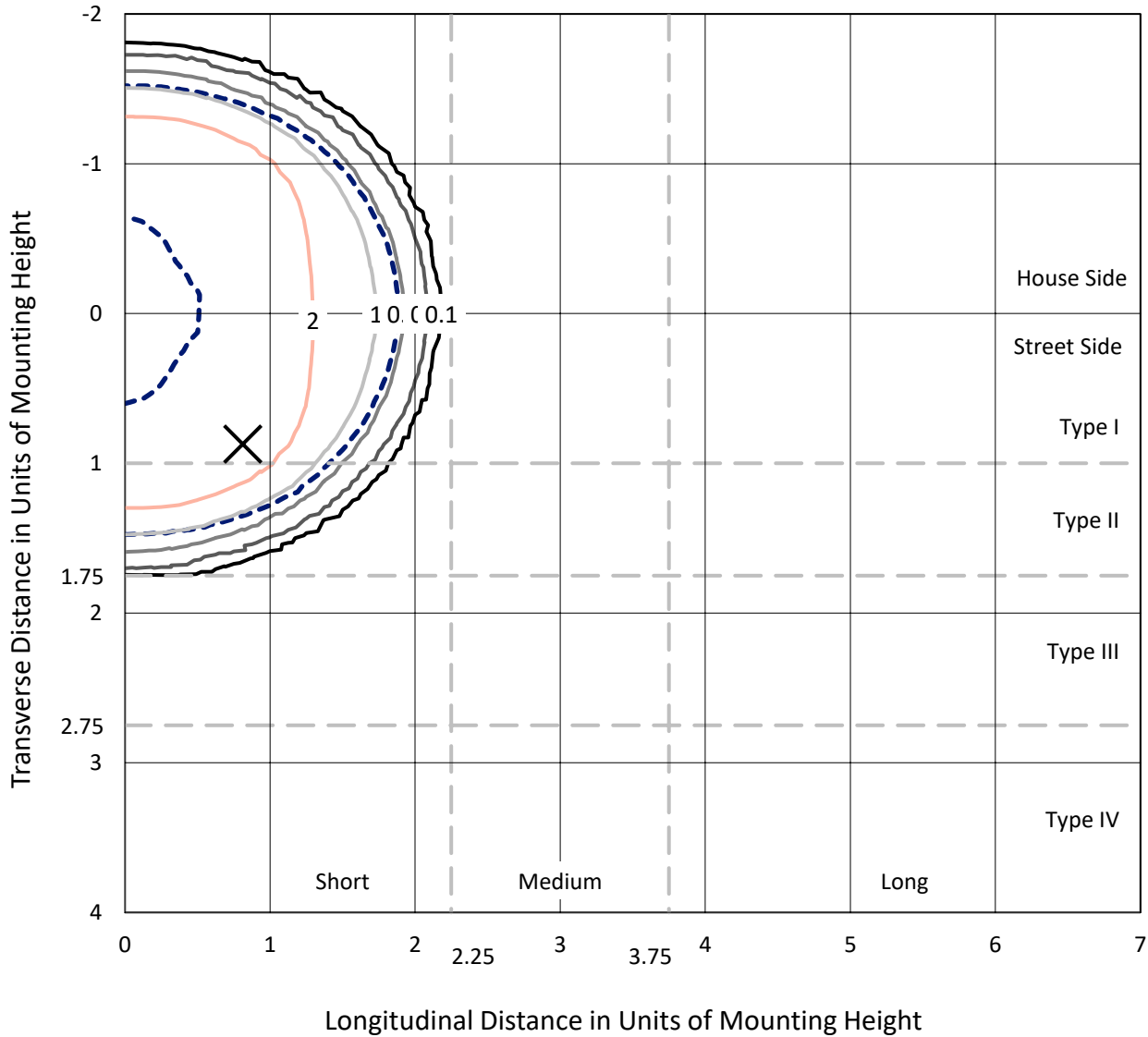
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639731
 CATALOG NUMBER: GWS-SA5C-740-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

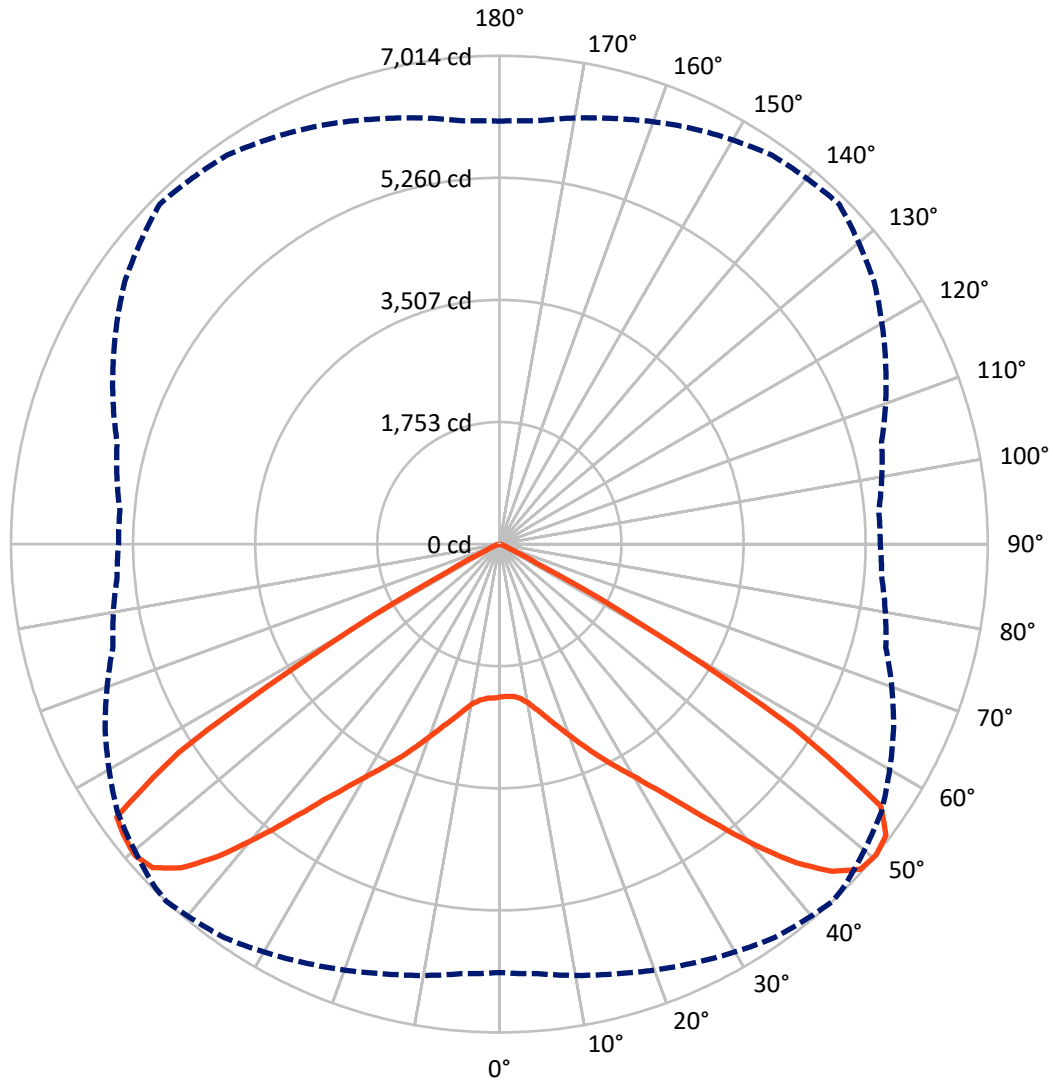
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P639731
CATALOG NUMBER: GWS-SA5C-740-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639731
 CATALOG NUMBER: GWS-SA5C-740-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7716.5	0.0	7716.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7716.9	0.0	7716.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15433.4	0.0	15433.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.2	1.4
10°-20°	743.9	4.8
20°-30°	1505.1	9.8
30°-40°	2792.4	18.1
40°-50°	4635.2	30.0
50°-60°	4730.4	30.7
60°-70°	775.7	5.0
70°-80°	34.0	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°	15433.4	100.0
0°-180°	15433.4	100.0

Coefficient of Utilization



REPORT NUMBER: P639731

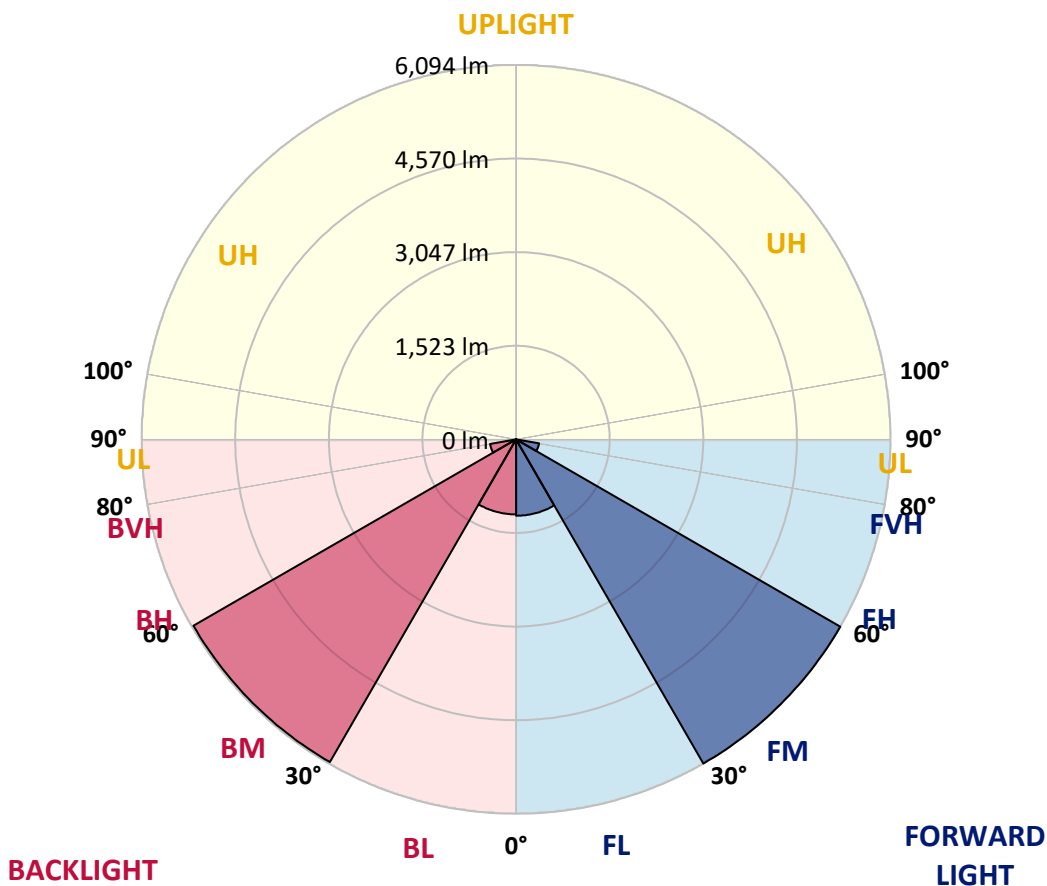
CATALOG NUMBER: GWS-SA5C-740-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.4	8.1			
FM (30°-60°)	6093.8	39.5			
FH (60°-80°)	379.5	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1221.8	7.9	B3/2500		
BM (30°-60°)	6064.2	39.3	B4/8500		
BH (60°-80°)	430.2	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: P639731

CATALOG NUMBER: GWS-SA5C-740-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2
2.5°	2154.2	2159.3	2166.1	2173.0	2181.5	2190.0	2195.2	2210.5	2207.1	2220.8	2220.8
5°	2130.3	2135.4	2143.9	2159.3	2178.1	2196.9	2210.5	2241.2	2258.3	2285.6	2295.9
7.5°	2142.2	2149.1	2159.3	2183.2	2212.2	2241.2	2256.6	2306.1	2340.2	2391.5	2420.5
10°	2181.5	2188.3	2205.4	2246.4	2283.9	2324.9	2343.7	2406.8	2461.4	2531.4	2572.4
12.5°	2225.9	2234.4	2268.6	2330.0	2394.9	2449.5	2475.1	2545.1	2601.4	2679.9	2744.8
15°	2272.0	2285.6	2338.5	2429.0	2521.2	2594.6	2621.9	2697.0	2753.3	2837.0	2910.4
17.5°	2379.5	2394.9	2454.6	2551.9	2678.2	2763.6	2787.5	2866.0	2908.7	2965.0	3041.8
20°	2514.4	2543.4	2616.8	2734.6	2872.8	2954.8	2971.8	3048.6	3045.2	3069.1	3135.7
22.5°	2681.6	2702.1	2782.4	2922.3	3077.7	3168.1	3207.4	3239.8	3197.1	3176.7	3219.3
25°	2855.8	2879.7	2966.7	3120.3	3294.4	3398.6	3431.0	3456.6	3388.3	3311.5	3316.6
27.5°	3081.1	3098.1	3183.5	3347.4	3521.5	3639.2	3668.3	3712.6	3622.2	3499.3	3465.1
30°	3349.1	3366.1	3456.6	3629.0	3801.4	3902.1	3946.5	4001.1	3902.1	3748.5	3709.2
32.5°	3663.1	3680.2	3796.3	3973.8	4115.5	4224.7	4267.4	4325.4	4246.9	4074.5	4030.1
35°	4038.7	4048.9	4185.5	4378.4	4528.6	4634.4	4663.4	4731.7	4644.7	4472.2	4448.4
37.5°	4474.0	4485.9	4634.4	4858.0	5011.6	5129.4	5175.5	5194.3	5088.5	4895.6	4876.8
40°	4951.9	4991.2	5136.3	5376.9	5549.3	5697.8	5738.8	5675.7	5527.2	5264.3	5230.1
42.5°	5450.3	5484.5	5646.6	5907.8	6107.5	6259.4	6261.1	6124.6	5872.0	5508.4	5457.2
45°	5865.1	5878.8	6088.7	6351.6	6597.4	6705.0	6715.2	6467.7	6087.0	5650.1	5540.8
47.5°	6150.2	6172.4	6355.0	6607.7	6879.1	6976.4	6955.9	6646.9	6189.5	5742.2	5561.3
50°	6153.6	6191.2	6389.2	6633.3	6896.1	7013.9	6984.9	6698.1	6247.5	5745.6	5511.8
52.5°	5609.1	5670.5	5993.2	6346.5	6749.3	6950.8	6957.6	6764.7	6225.3	5691.0	5467.4
55°	4231.6	4298.1	4704.4	5307.0	6085.3	6646.9	6744.2	6686.2	6199.7	5714.9	5545.9
57.5°	2239.5	2188.3	2413.6	3011.1	3989.2	4982.6	5267.7	5732.0	5914.6	5743.9	5691.0
60°	488.2	520.6	693.0	933.7	1556.8	2343.7	2621.9	3417.3	4363.0	4782.9	5086.8
62.5°	210.0	206.5	215.1	244.1	356.8	594.0	725.5	1184.6	1869.1	2567.3	3040.1
65°	172.4	174.1	180.9	180.9	169.0	170.7	179.2	271.4	437.0	612.8	822.8
67.5°	129.7	131.4	143.4	146.8	138.3	122.9	121.2	102.4	107.5	134.9	140.0
70°	81.9	81.9	88.8	92.2	92.2	85.3	83.6	73.4	71.7	81.9	92.2
72.5°	44.4	44.4	47.8	49.5	47.8	46.1	46.1	44.4	42.7	49.5	63.2
75°	18.8	18.8	20.5	20.5	18.8	18.8	18.8	18.8	18.8	22.2	34.1
77.5°	3.4	5.1	6.8	5.1	3.4	3.4	3.4	5.1	5.1	6.8	10.2
80°	1.7	1.7	3.4	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: P639731
 CATALOG NUMBER: GWS-SA5C-740-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2	2195.2
2.5°	2232.7	2213.9	2220.8	2224.2	2219.1	2215.6	2196.9	2191.7	2183.2	2169.6	2166.1
5°	2307.8	2292.5	2290.7	2280.5	2256.6	2227.6	2191.7	2176.4	2159.3	2142.2	2138.8
7.5°	2434.1	2415.4	2403.4	2369.3	2314.6	2268.6	2208.8	2176.4	2154.2	2132.0	2126.9
10°	2596.3	2574.1	2540.0	2476.8	2403.4	2336.8	2266.8	2224.2	2190.0	2159.3	2157.6
12.5°	2768.7	2744.8	2683.3	2603.1	2514.4	2452.9	2364.1	2304.4	2253.2	2207.1	2202.0
15°	2949.6	2920.6	2837.0	2741.4	2659.5	2596.3	2499.0	2403.4	2324.9	2258.3	2251.5
17.5°	3087.9	3052.1	2953.0	2881.4	2814.8	2749.9	2640.7	2514.4	2410.2	2330.0	2311.2
20°	3175.0	3140.8	3046.9	3007.7	2976.9	2930.9	2801.1	2669.7	2553.6	2454.6	2437.5
22.5°	3258.6	3217.6	3135.7	3135.7	3159.6	3140.8	3000.8	2850.6	2714.1	2599.7	2574.1
25°	3352.5	3320.0	3262.0	3309.8	3369.5	3367.8	3224.5	3036.7	2879.7	2751.6	2726.0
27.5°	3489.0	3456.6	3436.1	3526.6	3601.7	3596.6	3439.5	3236.4	3070.8	2944.5	2920.6
30°	3729.7	3699.0	3676.8	3786.0	3881.6	3845.8	3673.4	3477.1	3309.8	3166.4	3149.4
32.5°	4050.6	4018.2	3989.2	4098.4	4183.8	4137.7	3973.8	3789.5	3596.6	3456.6	3422.5
35°	4472.2	4404.0	4375.0	4504.7	4540.5	4489.3	4332.3	4170.1	3965.3	3804.8	3782.6
37.5°	4907.5	4827.3	4806.8	4919.5	4977.5	4958.7	4774.4	4605.4	4383.5	4206.0	4180.4
40°	5279.6	5206.2	5170.4	5346.2	5477.7	5489.6	5324.0	5117.5	4856.3	4672.0	4625.9
42.5°	5498.1	5435.0	5426.4	5699.6	5914.6	6068.3	5870.3	5656.9	5382.1	5173.8	5136.3
45°	5547.6	5506.7	5578.4	5936.8	6271.4	6551.3	6382.3	6157.0	5860.0	5639.8	5604.0
47.5°	5542.5	5528.9	5656.9	6059.7	6483.1	6827.9	6744.2	6489.9	6203.1	5972.7	5938.5
50°	5469.1	5470.8	5684.2	6121.2	6568.4	6903.0	6819.3	6583.8	6327.7	6100.7	6073.4
52.5°	5440.1	5429.9	5633.0	6102.4	6655.5	6868.8	6681.1	6416.5	6131.4	5851.5	5810.5
55°	5542.5	5516.9	5639.8	6087.0	6665.7	6850.1	6355.0	5781.5	5197.7	4866.6	4839.2
57.5°	5696.1	5668.8	5726.9	5974.4	6131.4	5696.1	4677.1	3751.9	3151.1	2896.7	2785.8
60°	5086.8	5068.0	5023.6	4724.9	4052.3	3057.2	2082.5	1328.0	954.2	771.5	771.5
62.5°	3156.2	3130.6	2889.9	2147.4	1560.2	903.0	496.7	310.7	235.6	220.2	218.5
65°	885.9	880.8	728.9	515.5	327.7	203.1	179.2	182.6	179.2	174.1	172.4
67.5°	133.1	146.8	146.8	119.5	114.4	128.0	150.2	160.5	151.9	143.4	140.0
70°	85.3	92.2	88.8	76.8	81.9	95.6	107.5	109.2	104.1	95.6	93.9
72.5°	59.7	66.6	54.6	49.5	51.2	56.3	61.5	61.5	59.7	56.3	52.9
75°	35.8	35.8	25.6	23.9	23.9	25.6	25.6	29.0	29.0	27.3	25.6
77.5°	11.9	13.7	8.5	6.8	6.8	6.8	8.5	10.2	10.2	8.5	6.8
80°	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	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)