

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: P634283

Luminaire Tested: GWS-SA3B-740-U-AFL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-740-U-AFL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9436.2 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
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

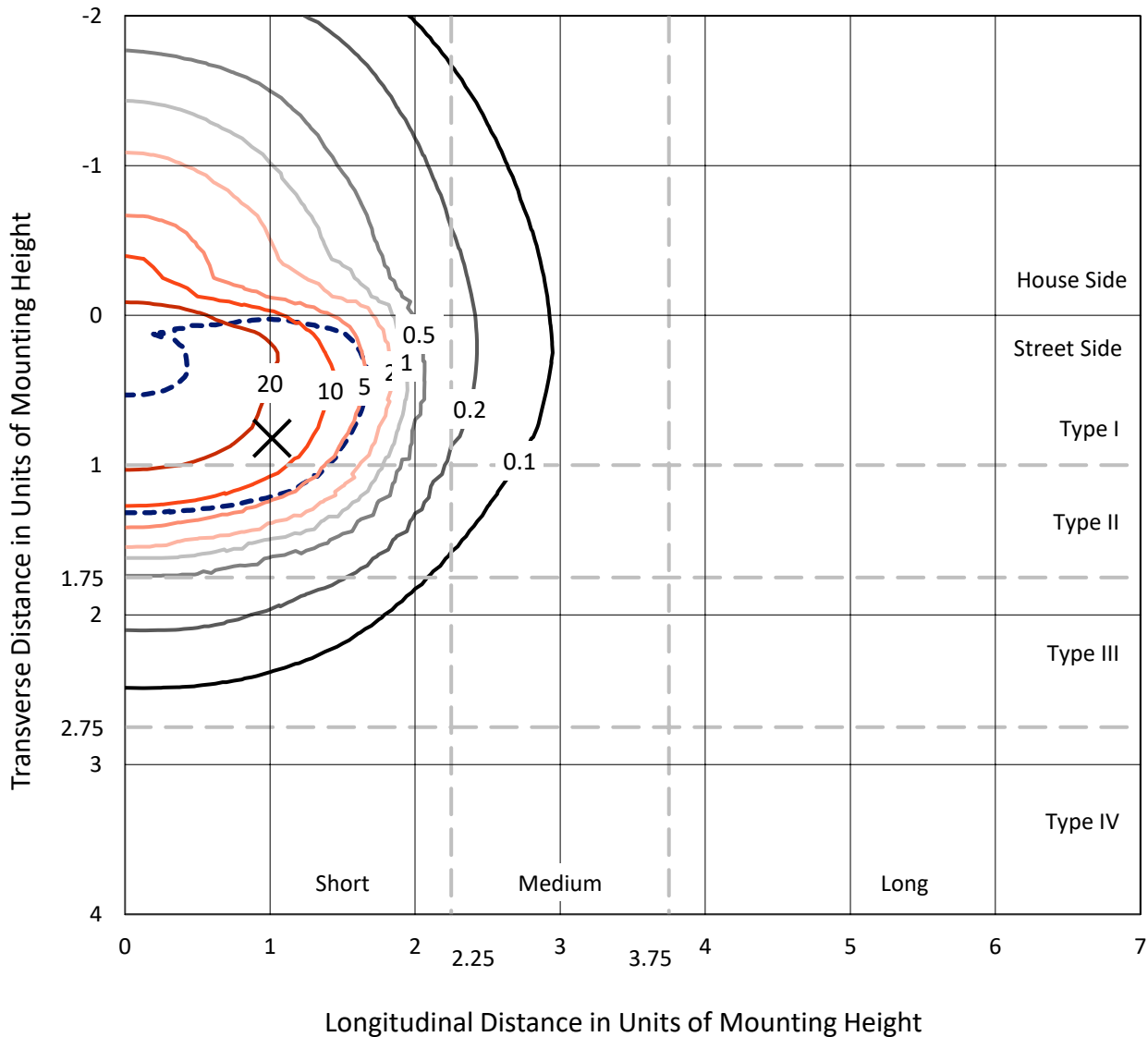


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### Iso-Footcandle Lines of Horizontal Illumination

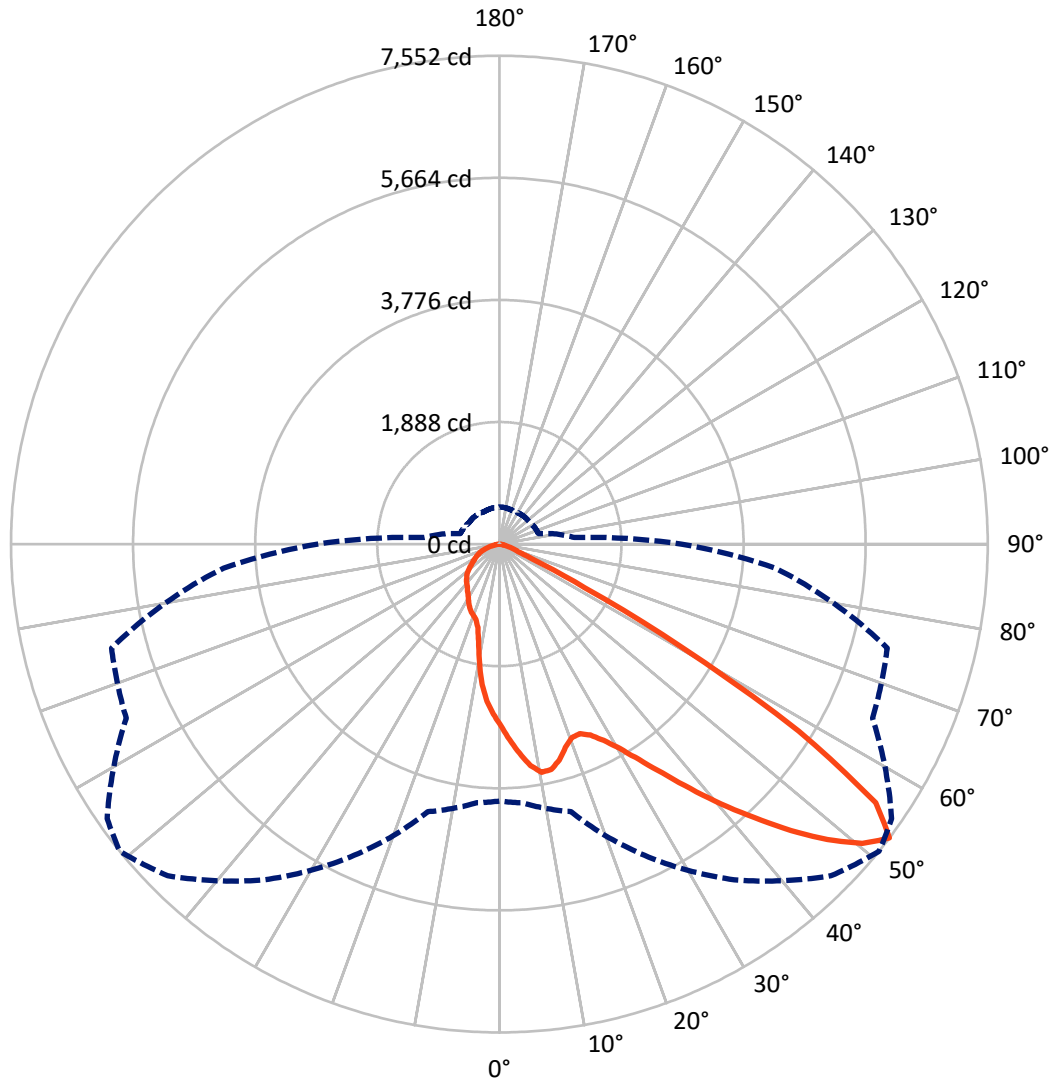
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1838.6	0.0	1838.6
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	7597.6	0.0	7597.6
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	9436.2	0.0	9436.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.2	2.8
10°-20°	681.2	7.2
20°-30°	1107.6	11.7
30°-40°	1755.4	18.6
40°-50°	2647.5	28.1
50°-60°	2290.3	24.3
60°-70°	519.2	5.5
70°-80°	153.1	1.6
80°-90°	19.7	0.2
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°	9436.2	100.0
0°-180°	9436.2	100.0

**Coefficient of Utilization**



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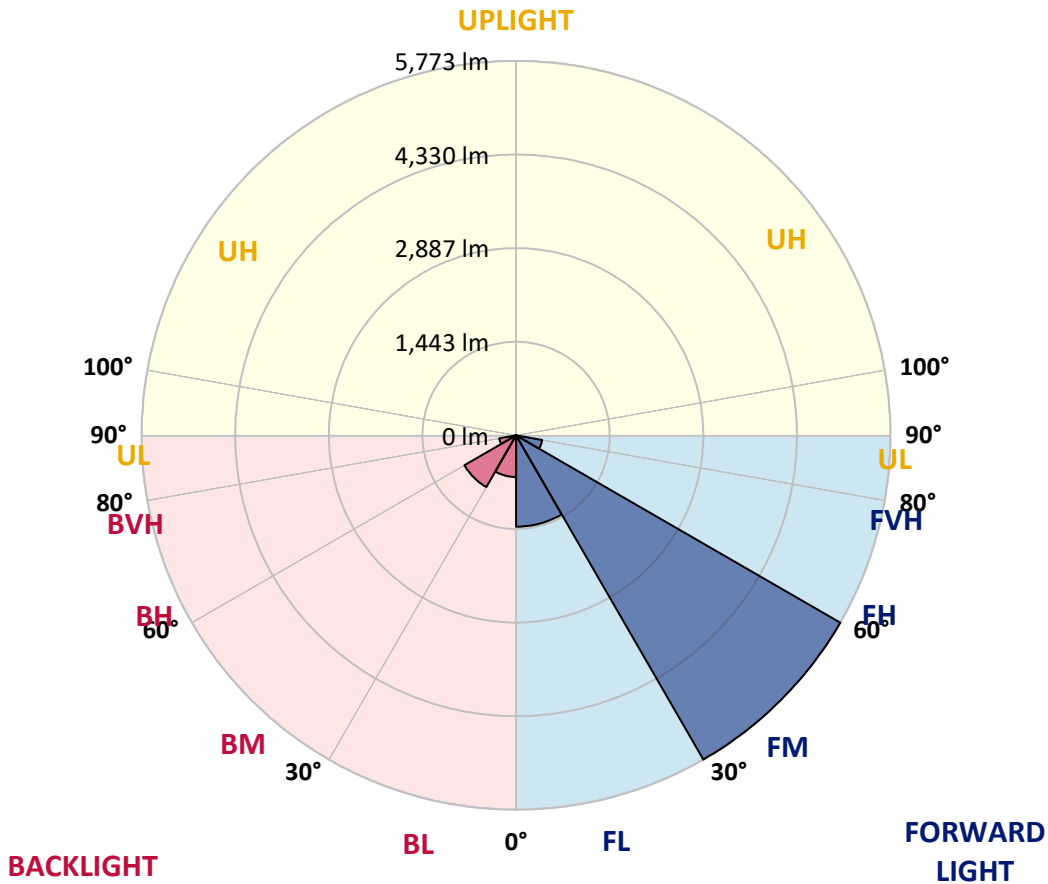
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.4	14.9			
FM (30°-60°)	5773.2	61.2			
FH (60°-80°)	408.6	4.3			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	642.7	6.8	B2/1000		
BM (30°-60°)	919.9	9.7	B1/1000		
BH (60°-80°)	263.7	2.8	B1/500		G1/500
BVH (80°-90°)	12.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6
2.5°	3131.0	3148.9	3121.3	3110.9	3093.7	3063.9	3029.6	3019.9	2946.1	2897.6	2843.2
5°	3445.7	3455.4	3433.0	3410.6	3368.1	3315.2	3248.8	3234.7	3100.4	2989.3	2873.8
7.5°	3515.8	3512.0	3531.4	3544.1	3538.9	3518.0	3459.1	3431.5	3271.2	3095.2	2924.5
10°	3238.4	3217.5	3289.1	3374.1	3476.2	3594.1	3587.3	3585.1	3445.7	3237.6	2989.3
12.5°	2870.8	2860.3	2918.5	3025.1	3218.2	3479.2	3576.9	3653.0	3603.0	3373.3	3061.7
15°	2660.5	2656.8	2696.3	2773.1	2926.7	3256.3	3465.1	3615.7	3738.0	3518.7	3138.5
17.5°	2622.5	2624.7	2638.1	2682.1	2792.5	3063.9	3305.5	3515.8	3843.1	3678.3	3234.7
20°	2733.6	2748.5	2725.4	2732.1	2791.7	2994.5	3196.6	3415.1	3910.2	3838.6	3338.3
22.5°	2980.4	2975.2	2924.5	2894.6	2895.4	3037.1	3184.7	3368.1	3954.2	3994.5	3432.2
25°	3260.0	3254.0	3193.6	3127.3	3085.5	3152.6	3270.4	3418.1	3993.7	4136.9	3507.6
27.5°	3590.3	3571.7	3504.6	3419.6	3327.1	3356.2	3436.0	3553.0	4054.9	4277.1	3557.5
30°	3910.2	3931.8	3835.6	3735.0	3637.3	3619.4	3665.6	3771.5	4179.4	4441.1	3617.2
32.5°	4334.5	4327.0	4220.4	4089.2	3949.7	3936.3	3972.8	4069.8	4403.1	4667.8	3708.1
35°	4848.2	4849.7	4698.4	4520.9	4322.6	4286.8	4347.9	4441.9	4736.4	4975.0	3852.1
37.5°	5382.1	5379.9	5247.9	5046.6	4775.9	4725.2	4795.3	4865.4	5153.2	5393.3	4075.7
40°	5756.5	5771.4	5709.5	5603.6	5347.1	5223.3	5285.2	5333.7	5606.6	5885.5	4370.3
42.5°	5969.0	5991.3	6004.8	6068.1	5933.2	5801.2	5778.8	5804.2	6011.5	6342.5	4646.9
45°	6014.5	6044.3	6142.0	6376.8	6429.0	6391.8	6318.7	6257.5	6313.5	6666.9	4828.1
47.5°	5813.9	5866.1	6074.9	6485.7	6790.7	6907.7	6826.5	6733.3	6487.9	6750.4	4809.5
50°	5019.0	5080.1	5550.7	6263.5	6842.1	7268.6	7276.1	7138.2	6467.1	6509.6	4575.3
52.5°	3973.6	4015.4	4284.5	5309.8	6337.3	7253.7	7552.0	7404.4	6366.4	6208.3	4282.3
55°	2374.9	2442.0	2693.3	3503.1	4937.0	6429.0	7064.3	7135.9	6317.2	5955.5	4082.5
57.5°	801.6	834.4	1074.5	1547.2	2909.5	4707.3	5458.2	5749.0	5734.8	5569.3	3692.5
60°	381.8	389.2	437.7	586.8	1164.7	2459.9	3230.9	3566.5	3872.2	3902.8	2297.4
62.5°	290.8	295.3	319.9	351.9	468.3	1036.5	1480.9	1737.4	1855.9	1592.7	836.6
65°	243.1	246.8	265.5	285.6	318.4	448.9	568.2	655.4	590.6	460.1	398.9
67.5°	202.8	205.8	220.0	241.6	264.0	300.5	315.4	324.4	340.0	381.8	366.9
70°	158.8	161.8	176.7	195.4	217.0	225.9	240.1	249.0	280.4	334.1	332.6
72.5°	122.3	126.0	134.2	146.1	164.0	173.0	188.7	199.1	217.0	260.2	278.1
75°	89.5	91.7	99.2	102.9	105.1	102.9	118.6	130.5	154.4	170.8	175.2
77.5°	36.5	41.0	39.5	39.5	47.0	56.7	64.9	72.3	88.7	98.4	99.2
80°	14.9	16.4	19.4	21.6	26.1	33.6	38.8	41.8	49.2	55.2	59.7
82.5°	8.9	9.7	11.2	11.9	14.9	19.4	22.4	24.6	30.6	36.5	38.8
85°	4.5	4.5	5.2	6.0	7.5	8.9	10.4	11.9	15.7	19.4	21.6
87.5°	0.7	0.7	0.7	1.5	2.2	3.0	3.7	4.5	5.2	6.0	7.5
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°	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6	2809.6
2.5°	2811.1	2770.9	2723.9	2686.6	2643.3	2611.3	2565.8	2537.5	2510.6	2488.3	2471.8
5°	2814.1	2746.2	2648.6	2562.1	2472.6	2387.6	2300.3	2229.5	2166.1	2113.2	2108.7
7.5°	2831.3	2733.6	2580.7	2429.3	2254.9	2086.3	1917.8	1780.6	1676.2	1621.8	1610.6
10°	2860.3	2732.1	2511.4	2269.8	1972.3	1700.8	1501.0	1396.6	1336.2	1314.6	1307.1
12.5°	2890.9	2728.4	2422.6	2044.6	1631.5	1393.6	1284.0	1271.3	1282.5	1284.0	1283.3
15°	2928.2	2726.1	2310.8	1780.6	1382.4	1251.2	1258.7	1285.5	1311.6	1317.6	1317.6
17.5°	2973.7	2720.9	2158.7	1522.6	1226.6	1223.6	1263.1	1298.9	1323.5	1328.0	1328.0
20°	3021.4	2707.5	1971.5	1312.4	1163.2	1206.5	1249.0	1276.6	1293.7	1299.7	1300.4
22.5°	3054.2	2671.7	1756.0	1156.5	1123.7	1173.7	1204.2	1232.6	1232.6	1217.7	1213.2
25°	3060.9	2594.9	1522.6	1049.9	1076.7	1123.0	1154.3	1137.9	1107.3	1095.4	1094.6
27.5°	3036.3	2483.0	1292.2	973.8	1020.1	1066.3	1061.1	1037.2	1023.8	1011.9	1016.3
30°	3006.5	2348.8	1092.4	911.2	954.4	999.9	982.0	973.8	964.1	950.7	953.7
32.5°	2986.3	2198.9	938.8	862.7	910.4	917.9	930.6	929.8	920.9	895.5	894.0
35°	2992.3	2047.6	835.9	823.2	873.9	870.9	894.8	890.3	828.4	793.4	791.1
37.5°	3040.0	1902.2	775.5	791.9	815.7	834.4	855.3	801.6	780.0	757.6	759.1
40°	3131.0	1767.2	742.7	774.7	780.7	808.3	759.8	759.1	749.4	729.3	728.5
42.5°	3233.9	1653.1	720.3	766.5	758.3	763.6	712.1	718.1	717.3	704.6	700.9
45°	3296.5	1548.0	702.4	736.0	738.2	686.0	670.3	677.1	680.8	674.1	673.3
47.5°	3231.7	1427.2	683.8	689.0	708.4	651.0	631.6	632.3	639.0	639.8	636.8
50°	3049.7	1292.2	661.4	648.7	636.0	614.4	596.5	592.8	599.5	606.2	608.5
52.5°	2814.8	1163.2	624.1	604.7	574.9	574.9	566.7	554.8	563.7	572.7	575.6
55°	2642.6	1067.8	571.2	549.5	516.7	527.9	526.4	516.0	527.9	534.6	536.9
57.5°	2289.9	858.2	502.6	495.9	468.3	481.7	484.7	471.3	465.3	466.8	469.0
60°	1359.3	554.0	453.4	452.6	428.0	443.7	452.6	439.2	421.3	423.5	426.5
62.5°	609.9	423.5	391.5	388.5	387.7	407.9	417.6	404.9	379.5	381.8	384.8
65°	384.0	366.1	340.0	340.0	351.9	369.1	376.6	366.1	337.0	333.3	336.3
67.5°	356.4	340.8	313.9	308.7	314.7	328.8	329.6	309.4	292.3	289.3	289.3
70°	319.9	308.0	281.9	271.4	269.2	268.4	266.2	261.0	249.8	246.8	248.3
72.5°	264.7	256.5	240.1	228.9	223.0	222.2	213.3	208.8	199.1	197.6	196.9
75°	175.2	177.5	177.5	176.0	170.8	168.5	158.8	154.4	143.2	138.7	137.9
77.5°	103.6	105.9	108.9	109.6	108.9	108.9	99.9	94.7	83.5	77.5	76.1
80°	63.4	64.9	66.4	68.6	65.6	63.4	55.2	50.0	44.7	41.0	40.3
82.5°	41.0	42.5	43.2	44.7	43.2	40.3	33.6	30.6	26.8	23.9	23.1
85°	23.1	23.9	25.4	25.4	23.1	20.9	17.2	14.9	12.7	11.2	11.2
87.5°	8.2	8.2	8.2	8.9	7.5	6.7	4.5	3.0	2.2	2.2	2.2
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)