

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: P634393

Luminaire Tested: GWS-SA3B-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634393  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

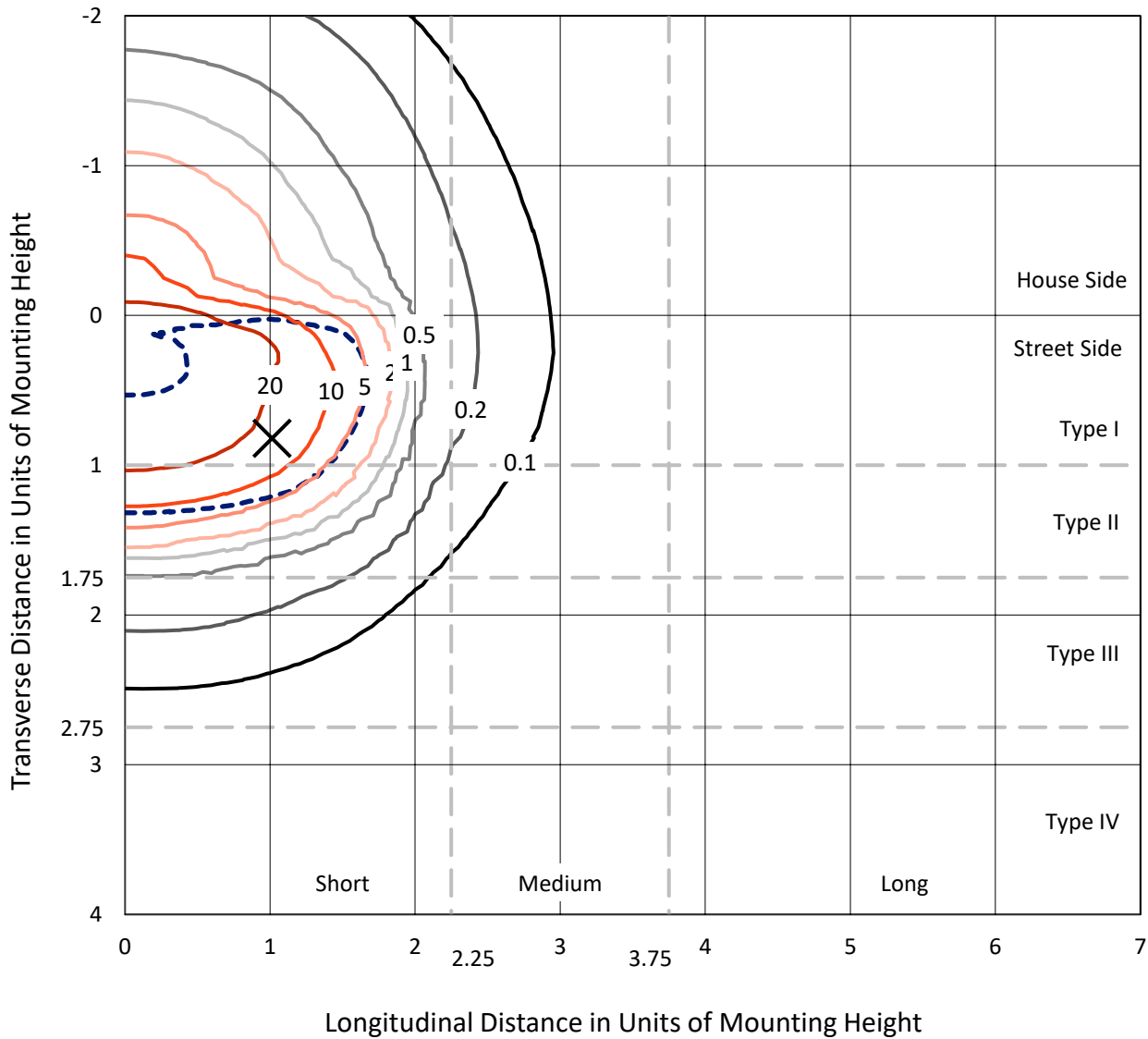
Lumens per Lamp: N/A  
Luminaire Lumens: 9520.2 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

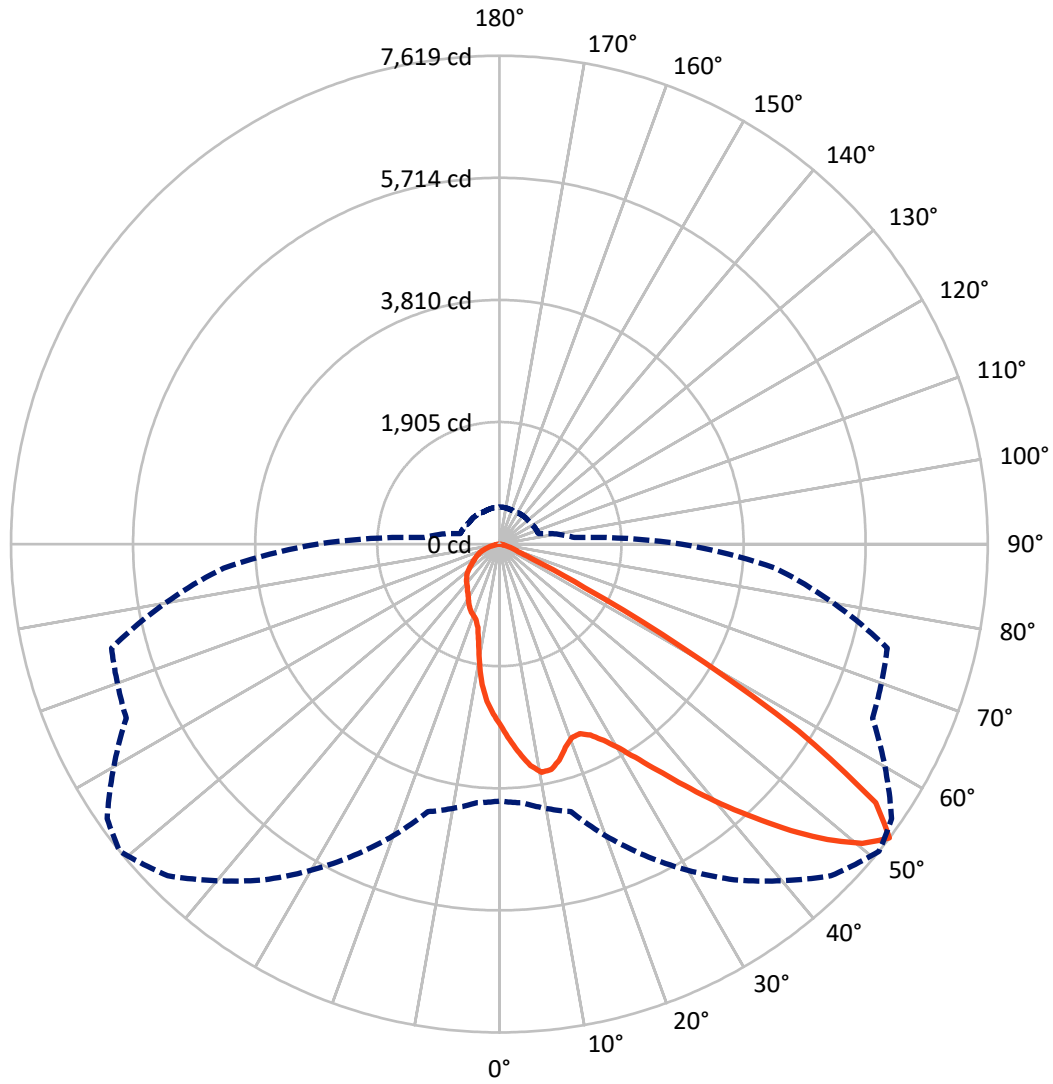
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.6 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	1854.9	0.0	1854.9
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	7665.3	0.0	7665.3
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	9520.2	0.0	9520.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.5	2.8
10°-20°	687.3	7.2
20°-30°	1117.5	11.7
30°-40°	1771.0	18.6
40°-50°	2671.0	28.1
50°-60°	2310.7	24.3
60°-70°	523.8	5.5
70°-80°	154.5	1.6
80°-90°	19.9	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°	9520.2	100.0
0°-180°	9520.2	100.0

**Coefficient of Utilization**



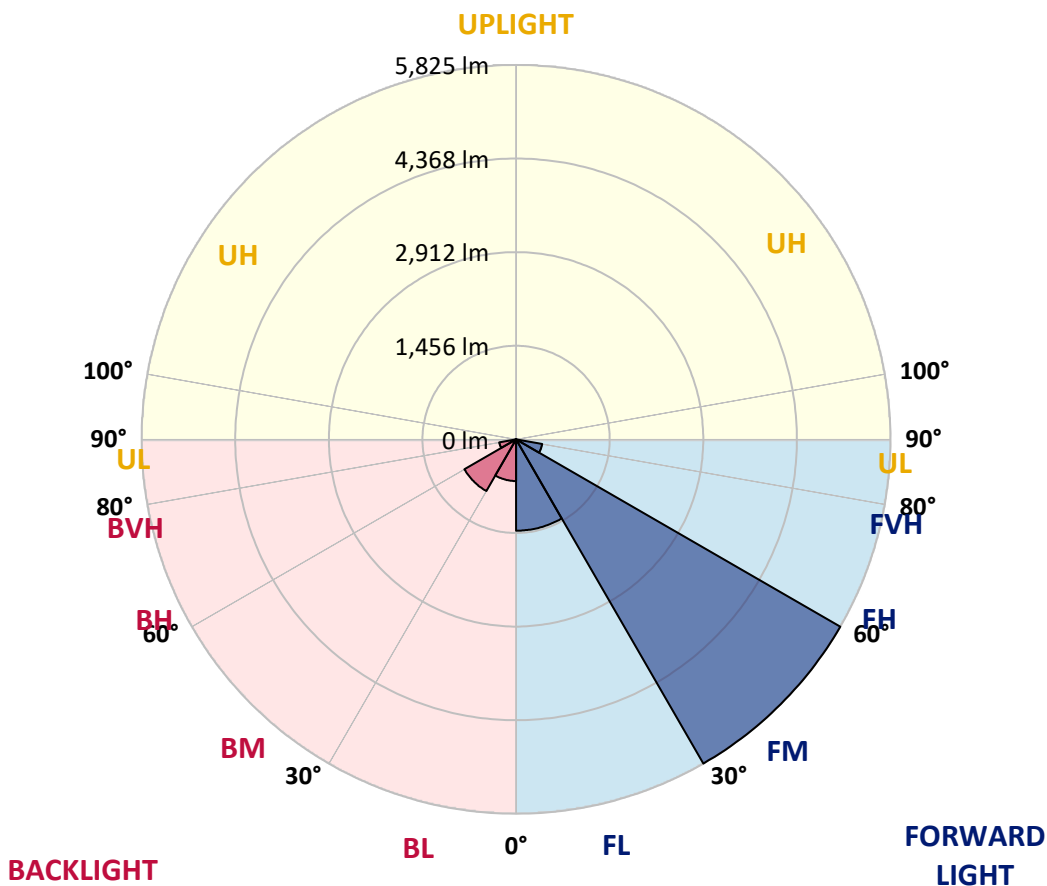
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1420.9	14.9			
FM (30°-60°)	5824.6	61.2			
FH (60°-80°)	412.3	4.3			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	648.4	6.8	B2/1000		
BM (30°-60°)	928.1	9.7	B1/1000		
BH (60°-80°)	266.0	2.8	B1/500		G1/500
BVH (80°-90°)	12.4	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°	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6
2.5°	3158.9	3176.9	3149.1	3138.6	3121.3	3091.2	3056.6	3046.8	2972.3	2923.4	2868.5
5°	3476.3	3486.1	3463.6	3441.0	3398.1	3344.7	3277.7	3263.4	3128.0	3015.9	2899.3
7.5°	3547.1	3543.3	3562.9	3575.6	3570.4	3549.3	3489.9	3462.1	3300.3	3122.8	2950.5
10°	3267.2	3246.1	3318.4	3404.1	3507.2	3626.1	3619.3	3617.0	3476.3	3266.5	3015.9
12.5°	2896.3	2885.8	2944.5	3052.1	3246.9	3510.2	3608.7	3685.5	3635.1	3403.4	3088.9
15°	2684.2	2680.4	2720.3	2797.8	2952.7	3285.3	3495.9	3647.9	3771.2	3550.1	3166.4
17.5°	2645.8	2648.1	2661.6	2706.0	2817.3	3091.2	3334.9	3547.1	3877.3	3711.1	3263.4
20°	2757.9	2773.0	2749.6	2756.4	2816.6	3021.2	3225.1	3445.5	3945.0	3872.8	3368.0
22.5°	3006.9	3001.6	2950.5	2920.4	2921.2	3064.1	3213.0	3398.1	3989.4	4030.0	3462.8
25°	3289.0	3283.0	3222.1	3155.1	3113.0	3180.7	3299.6	3448.5	4029.3	4173.7	3538.8
27.5°	3622.3	3603.5	3535.8	3450.0	3356.7	3386.1	3466.6	3584.7	4091.0	4315.2	3589.2
30°	3945.0	3966.8	3869.8	3768.2	3669.7	3651.6	3698.3	3805.1	4216.6	4480.7	3649.4
32.5°	4373.1	4365.6	4258.0	4125.6	3984.9	3971.4	4008.2	4106.0	4442.3	4709.4	3741.2
35°	4891.4	4892.9	4740.2	4561.2	4361.0	4324.9	4386.6	4481.4	4778.6	5019.3	3886.3
37.5°	5430.0	5427.8	5294.6	5091.5	4818.4	4767.3	4838.0	4908.7	5199.1	5441.3	4112.0
40°	5807.7	5822.7	5760.3	5653.5	5394.7	5269.8	5332.2	5381.1	5656.5	5937.8	4409.2
42.5°	6022.1	6044.7	6058.2	6122.2	5986.0	5852.8	5830.3	5855.8	6065.0	6399.0	4688.3
45°	6068.0	6098.1	6196.6	6433.6	6486.3	6448.7	6374.9	6313.2	6369.7	6726.2	4871.1
47.5°	5865.6	5918.3	6128.9	6543.4	6851.1	6969.2	6887.2	6793.2	6545.7	6810.5	4852.3
50°	5063.7	5125.4	5600.1	6319.3	6903.0	7333.3	7340.9	7201.7	6524.6	6567.5	4616.1
52.5°	4009.0	4051.1	4322.7	5357.1	6393.7	7318.3	7619.2	7470.3	6423.1	6263.6	4320.4
55°	2396.1	2463.8	2717.3	3534.3	4980.9	6486.3	7127.2	7199.4	6373.4	6008.6	4118.8
57.5°	808.7	841.8	1084.1	1561.0	2935.4	4749.2	5506.8	5800.2	5785.9	5618.9	3725.4
60°	385.2	392.7	441.6	592.1	1175.1	2481.8	3259.7	3598.2	3906.7	3937.5	2317.8
62.5°	293.4	297.9	322.7	355.1	472.4	1045.7	1494.1	1752.8	1872.5	1606.9	844.1
65°	245.2	249.0	267.8	288.1	321.2	452.9	573.2	661.3	595.8	464.2	402.5
67.5°	204.6	207.6	221.9	243.7	266.3	303.2	318.2	327.2	343.0	385.2	370.1
70°	160.2	163.2	178.3	197.1	218.9	227.9	242.2	251.3	282.9	337.0	335.5
72.5°	123.4	127.1	135.4	147.4	165.5	174.5	190.3	200.9	218.9	262.6	280.6
75°	90.3	92.5	100.1	103.8	106.1	103.8	119.6	131.7	155.7	172.3	176.8
77.5°	36.9	41.4	39.9	39.9	47.4	57.2	65.4	73.0	89.5	99.3	100.1
80°	15.0	16.6	19.6	21.8	26.3	33.9	39.1	42.1	49.7	55.7	60.2
82.5°	9.0	9.8	11.3	12.0	15.0	19.6	22.6	24.8	30.8	36.9	39.1
85°	4.5	4.5	5.3	6.0	7.5	9.0	10.5	12.0	15.8	19.6	21.8
87.5°	0.8	0.8	0.8	1.5	2.3	3.0	3.8	4.5	5.3	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°	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6	2834.6
2.5°	2836.1	2795.5	2748.1	2710.5	2666.9	2634.5	2588.6	2560.1	2533.0	2510.4	2493.8
5°	2839.2	2770.7	2672.1	2584.9	2494.6	2408.8	2320.8	2249.4	2185.4	2132.0	2127.5
7.5°	2856.5	2757.9	2603.7	2451.0	2274.9	2104.9	1934.9	1796.5	1691.2	1636.2	1625.0
10°	2885.8	2756.4	2533.7	2290.0	1989.8	1716.0	1514.4	1409.0	1348.1	1326.3	1318.8
12.5°	2916.6	2752.6	2444.2	2062.8	1646.0	1406.0	1295.4	1282.7	1293.9	1295.4	1294.7
15°	2954.3	2750.4	2331.4	1796.5	1394.8	1262.3	1269.9	1297.0	1323.3	1329.3	1329.3
17.5°	3000.1	2745.1	2177.9	1536.2	1237.5	1234.5	1274.4	1310.5	1335.3	1339.8	1339.8
20°	3048.3	2731.6	1989.1	1324.0	1173.6	1217.2	1260.1	1287.9	1305.2	1311.2	1312.0
22.5°	3081.4	2695.5	1771.6	1166.8	1133.7	1184.1	1215.0	1243.5	1243.5	1228.5	1224.0
25°	3088.2	2618.0	1536.2	1059.2	1086.3	1133.0	1164.5	1148.0	1117.2	1105.1	1104.4
27.5°	3063.3	2505.1	1303.7	982.5	1029.1	1075.8	1070.5	1046.4	1032.9	1020.9	1025.4
30°	3033.2	2369.7	1102.1	919.3	962.9	1008.8	990.8	982.5	972.7	959.2	962.2
32.5°	3012.9	2218.5	947.1	870.4	918.5	926.1	938.9	938.1	929.1	903.5	902.0
35°	3019.0	2065.8	843.3	830.5	881.7	878.7	902.8	898.2	835.8	800.4	798.2
37.5°	3067.1	1919.1	782.4	798.9	823.0	841.8	862.9	808.7	786.9	764.3	765.8
40°	3158.9	1782.9	749.3	781.6	787.7	815.5	766.6	765.8	756.1	735.7	735.0
42.5°	3262.7	1667.8	726.7	773.4	765.1	770.3	718.4	724.5	723.7	710.9	707.2
45°	3325.9	1561.8	708.7	742.5	744.8	692.1	676.3	683.1	686.8	680.1	679.3
47.5°	3260.4	1439.9	689.9	695.1	714.7	656.8	637.2	637.9	644.7	645.5	642.5
50°	3076.9	1303.7	667.3	654.5	641.7	619.9	601.8	598.1	604.8	611.6	613.9
52.5°	2839.9	1173.6	629.7	610.1	580.0	580.0	571.7	559.7	568.7	577.8	580.8
55°	2666.1	1077.3	576.3	554.4	521.3	532.6	531.1	520.6	532.6	539.4	541.7
57.5°	2310.3	865.9	507.0	500.3	472.4	486.0	489.0	475.4	469.4	470.9	473.2
60°	1371.4	559.0	457.4	456.6	431.8	447.6	456.6	443.1	425.0	427.3	430.3
62.5°	615.4	427.3	395.0	391.9	391.2	411.5	421.3	408.5	382.9	385.2	388.2
65°	387.4	369.4	343.0	343.0	355.1	372.4	379.9	369.4	340.0	336.3	339.3
67.5°	359.6	343.8	316.7	311.4	317.5	331.8	332.5	312.2	294.9	291.9	291.9
70°	322.7	310.7	284.4	273.8	271.6	270.8	268.6	263.3	252.0	249.0	250.5
72.5°	267.1	258.8	242.2	231.0	224.9	224.2	215.2	210.6	200.9	199.4	198.6
75°	176.8	179.0	179.0	177.5	172.3	170.0	160.2	155.7	144.4	139.9	139.2
77.5°	104.6	106.8	109.8	110.6	109.8	109.8	100.8	95.5	84.3	78.2	76.7
80°	63.9	65.4	67.0	69.2	66.2	63.9	55.7	50.4	45.1	41.4	40.6
82.5°	41.4	42.9	43.6	45.1	43.6	40.6	33.9	30.8	27.1	24.1	23.3
85°	23.3	24.1	25.6	25.6	23.3	21.1	17.3	15.0	12.8	11.3	11.3
87.5°	8.3	8.3	8.3	9.0	7.5	6.8	4.5	3.0	2.3	2.3	2.3
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)