

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: P634370

Luminaire Tested: GWS-SA3B-750-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

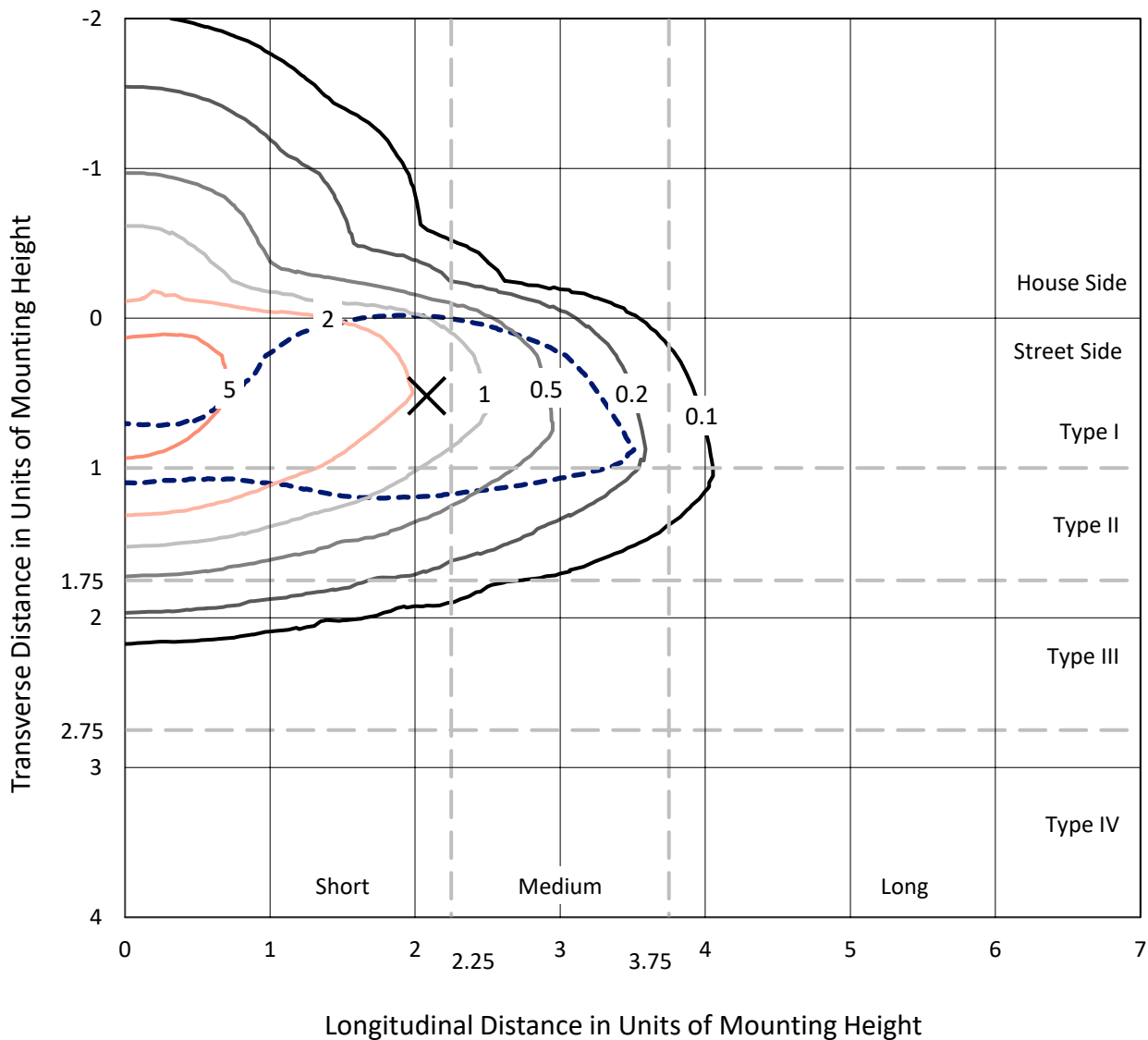
Lumens per Lamp: N/A  
Luminaire Lumens: 10849.2 lumens  
Efficiency: N/A  
Efficacy: 158.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

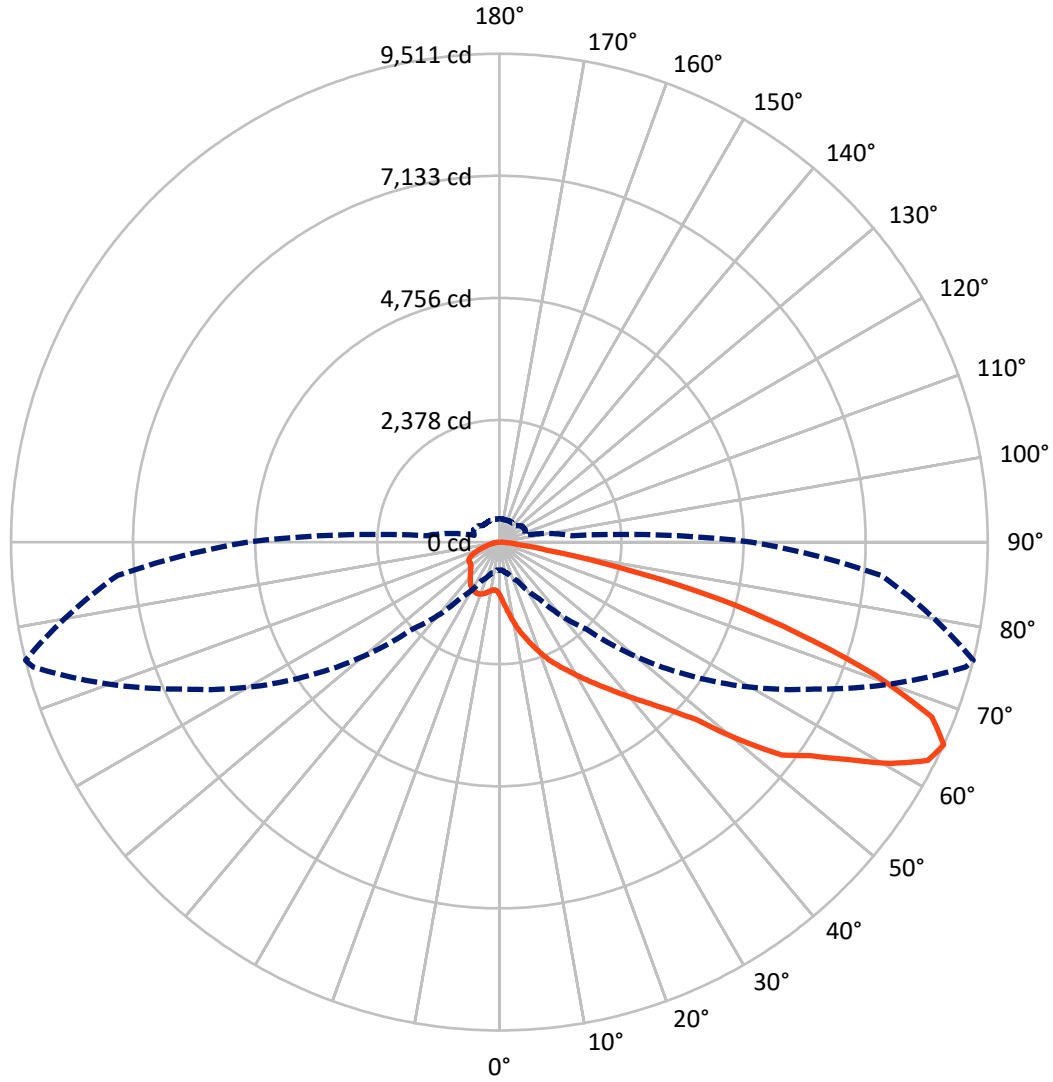
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1813.5	0.0	1813.5
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	9035.7	0.0	9035.7
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	10849.2	0.0	10849.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.1	1.1
10°-20°	464.9	4.3
20°-30°	906.0	8.4
30°-40°	1515.3	14.0
40°-50°	2169.6	20.0
50°-60°	2568.5	23.7
60°-70°	2135.7	19.7
70°-80°	874.0	8.1
80°-90°	93.0	0.9
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°	10849.2	100.0
0°-180°	10849.2	100.0

**Coefficient of Utilization**



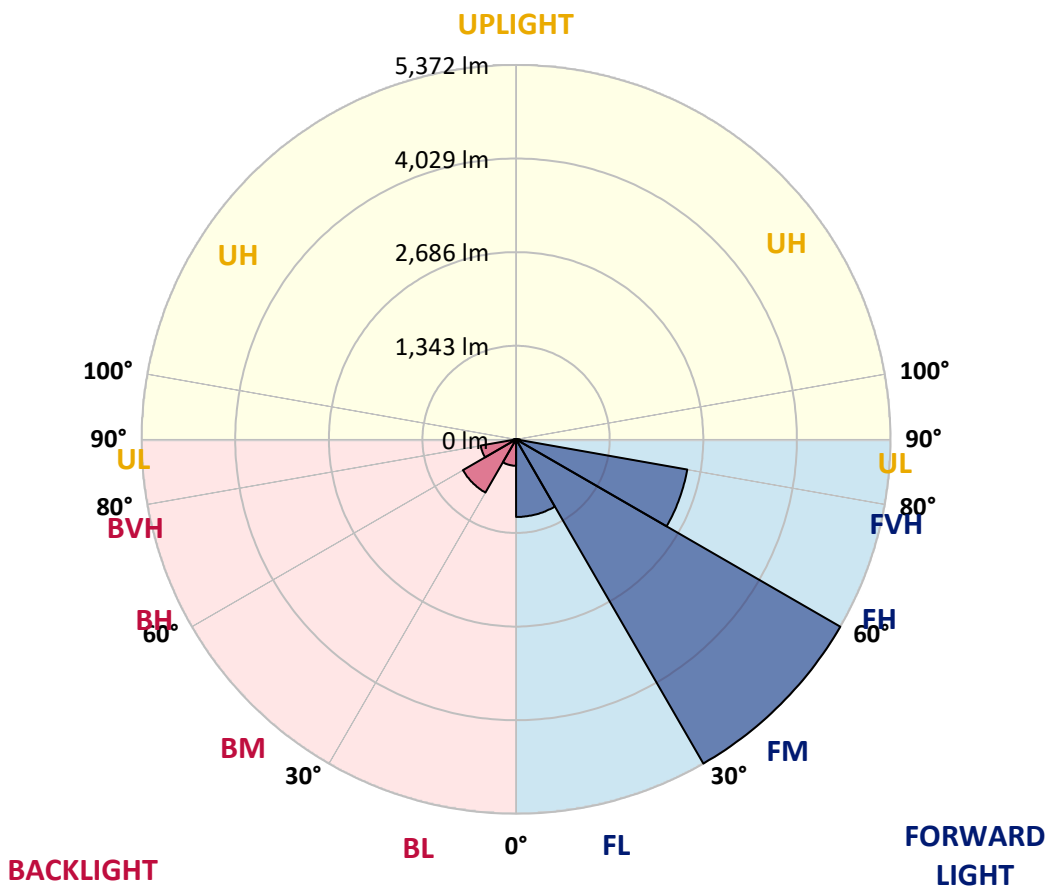
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1113.6	10.3			
FM (30°-60°)	5372.1	49.5			
FH (60°-80°)	2494.5	23.0			G2/5000
FVH (80°-90°)	55.5	0.5			G1/100
BL (0°-30°)	379.4	3.5	B1/500		
BM (30°-60°)	881.3	8.1	B1/1000		
BH (60°-80°)	515.2	4.7	B2/1000		G2/1000
BVH (80°-90°)	37.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4
2.5°	1440.0	1445.3	1427.8	1421.7	1380.5	1324.8	1278.3	1208.1	1143.3	1133.4	1075.4
5°	1829.0	1806.1	1786.3	1773.3	1716.1	1652.8	1554.4	1422.5	1284.4	1267.6	1142.5
7.5°	2060.1	2056.3	2031.9	2024.2	1980.0	1916.7	1815.3	1651.3	1450.7	1423.2	1233.3
10°	2245.4	2243.1	2230.9	2237.8	2197.4	2135.6	2037.2	1867.9	1633.0	1605.5	1334.8
12.5°	2407.1	2410.9	2408.7	2433.8	2413.2	2365.2	2263.0	2076.9	1815.3	1785.5	1458.3
15°	2525.4	2528.4	2539.8	2594.8	2606.2	2596.3	2492.6	2282.0	1995.3	1952.6	1585.7
17.5°	2558.9	2565.0	2592.5	2680.9	2742.7	2783.9	2706.9	2491.0	2172.2	2125.7	1715.3
20°	2603.9	2610.8	2638.2	2730.5	2821.3	2915.1	2901.4	2703.1	2350.7	2312.6	1846.5
22.5°	2812.1	2806.8	2794.6	2838.8	2903.7	3020.4	3054.7	2906.7	2535.3	2498.7	1991.5
25°	3213.3	3203.4	3125.6	3085.2	3063.8	3134.8	3195.8	3092.1	2715.3	2660.4	2126.5
27.5°	3655.7	3650.4	3551.2	3455.1	3323.9	3293.4	3329.3	3253.7	2889.9	2834.3	2243.9
30°	4074.4	4058.4	3954.7	3834.2	3658.8	3527.6	3474.9	3412.4	3081.4	3023.4	2381.2
32.5°	4448.9	4428.3	4306.3	4172.8	3989.0	3834.2	3677.1	3581.0	3298.0	3230.9	2521.5
35°	4756.3	4735.7	4610.6	4468.8	4266.6	4152.2	3937.1	3764.0	3518.4	3450.5	2687.1
37.5°	4994.3	4975.2	4844.8	4705.2	4529.0	4438.2	4251.4	3969.9	3772.4	3701.5	2862.5
40°	5127.7	5114.0	5009.5	4898.9	4751.0	4672.4	4588.5	4230.0	4056.9	3986.0	3069.2
42.5°	5168.2	5159.0	5085.8	5028.6	4928.7	4869.2	4917.2	4535.9	4360.5	4298.7	3301.8
45°	5066.7	5066.7	5045.4	5074.4	5078.9	5078.2	5246.7	4881.4	4733.4	4665.5	3629.8
47.5°	4807.4	4824.2	4855.5	4998.1	5148.3	5274.2	5631.9	5342.1	5213.2	5157.5	4094.3
50°	4333.0	4378.8	4485.5	4763.9	5083.5	5403.8	5996.5	6023.2	6146.0	6047.6	4777.7
52.5°	3638.2	3631.3	3903.6	4300.2	4787.6	5409.2	6197.1	6624.2	6954.4	6886.6	5285.6
55°	2891.5	2880.0	3134.0	3680.9	4333.8	5204.8	6317.6	6899.5	7402.9	7341.9	5742.5
57.5°	2214.2	2199.7	2425.4	2918.9	3693.1	4770.8	6294.7	7227.5	8020.0	7988.7	6363.3
60°	1523.9	1506.4	1717.6	2149.3	2934.9	4107.2	6041.5	7396.1	8742.3	8752.9	7027.7
62.5°	915.3	905.3	1058.7	1393.5	2111.2	3285.0	5448.8	7293.9	9317.3	9365.4	7454.8
65°	552.2	545.3	635.3	831.4	1339.3	2397.2	4535.1	6771.4	9400.5	9511.1	7464.7
67.5°	402.0	402.7	428.6	506.4	781.0	1548.3	3403.2	5834.8	8967.3	9081.7	6994.1
70°	349.3	350.8	364.6	382.1	472.1	886.3	2212.6	4606.0	7686.7	7775.1	5866.1
72.5°	310.4	310.4	319.6	328.7	369.2	540.0	1185.3	3219.4	6066.6	6090.3	4477.1
75°	273.1	270.8	275.3	279.9	320.3	377.5	576.6	2243.1	4481.0	4426.0	2893.7
77.5°	217.4	215.1	215.8	220.4	257.0	270.0	292.1	1401.1	2525.4	2383.5	1278.3
80°	154.8	153.3	161.7	173.1	189.9	165.5	183.1	678.1	1001.4	932.0	495.8
82.5°	92.3	95.3	108.3	117.5	131.2	103.7	118.2	226.5	354.7	345.5	201.4
85°	13.0	13.7	38.9	45.0	56.4	40.4	62.5	102.2	141.9	151.8	70.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	18.3	40.4	41.2	17.5
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°	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4	1027.4
2.5°	1045.7	1009.8	958.7	916.0	880.2	851.2	826.8	808.5	803.1	795.5	795.5
5°	1083.8	1019.0	927.5	862.6	825.3	803.1	787.9	780.3	776.4	771.9	769.6
7.5°	1136.4	1045.7	922.1	856.5	827.5	813.8	803.9	799.3	796.3	791.7	791.7
10°	1208.9	1085.3	938.9	877.9	855.0	841.3	829.8	822.2	815.3	808.5	807.0
12.5°	1287.5	1137.2	969.4	906.9	882.5	865.7	849.7	838.2	829.8	821.4	819.2
15°	1374.4	1190.6	1002.2	935.1	904.6	881.7	862.6	845.1	833.6	821.4	819.9
17.5°	1459.8	1244.8	1029.7	954.2	915.3	887.0	859.6	836.7	822.2	808.5	804.7
20°	1562.0	1298.9	1048.7	959.5	913.0	875.6	842.8	813.8	797.8	781.8	779.5
22.5°	1655.9	1349.2	1057.9	951.9	895.4	851.2	813.1	781.8	764.2	748.2	745.2
25°	1746.6	1393.5	1054.1	933.6	868.7	817.6	778.0	746.7	729.9	713.1	708.6
27.5°	1834.3	1423.2	1038.8	905.3	835.2	780.3	742.1	713.9	699.4	684.9	678.8
30°	1920.5	1450.7	1015.2	868.7	792.5	741.4	710.1	690.3	675.8	660.5	655.9
32.5°	2007.5	1470.5	979.3	826.0	749.0	707.0	688.0	673.5	658.2	643.0	638.4
35°	2095.2	1478.9	935.9	777.2	712.4	684.9	678.1	661.3	640.7	622.4	616.3
37.5°	2199.7	1486.5	881.7	729.2	680.3	674.2	672.7	647.5	623.1	598.0	591.1
40°	2325.5	1496.4	826.0	685.7	654.4	670.4	664.3	630.0	581.2	556.8	549.2
42.5°	2479.6	1514.8	768.1	646.0	635.3	655.9	649.1	587.3	554.5	540.8	537.0
45°	2706.1	1581.9	710.1	614.7	620.9	635.3	624.7	562.1	549.2	540.0	535.4
47.5°	3109.6	1684.8	659.7	591.1	609.4	617.0	575.9	555.3	545.3	533.1	527.8
50°	3529.1	1729.8	619.3	576.6	596.4	600.3	549.2	546.1	539.2	526.3	520.9
52.5°	3812.8	1723.7	594.9	571.3	585.8	571.3	537.0	536.2	531.6	516.4	510.3
55°	4133.2	1734.4	584.2	572.8	581.2	522.5	521.7	524.0	521.7	504.9	501.9
57.5°	4565.6	1767.2	578.9	578.1	578.1	498.8	507.2	510.3	505.7	498.1	495.8
60°	4981.3	1769.5	569.0	584.2	575.9	484.3	490.4	493.5	488.1	486.6	485.9
62.5°	5137.7	1659.7	546.9	579.7	566.7	468.3	472.9	474.4	469.1	472.9	472.1
65°	4905.0	1426.3	510.3	557.5	538.5	453.8	450.8	454.6	445.4	455.3	456.1
67.5°	4355.1	1133.4	454.6	515.6	498.8	437.8	431.7	431.7	416.4	431.7	430.9
70°	3511.5	800.9	373.0	448.5	455.3	418.7	415.7	398.1	373.7	396.6	394.3
72.5°	2661.9	575.1	293.6	354.7	392.0	392.0	392.8	363.1	334.8	345.5	336.4
75°	1686.4	405.0	234.9	271.5	307.4	344.0	361.5	306.6	281.4	276.9	272.3
77.5°	759.7	266.2	183.1	208.2	218.1	271.5	330.3	263.9	229.6	219.7	216.6
80°	318.1	165.5	130.4	147.2	134.2	228.1	291.4	205.2	168.6	154.8	144.9
82.5°	139.6	98.4	83.1	79.3	83.9	169.3	217.4	136.5	105.3	142.6	144.2
85°	58.7	51.9	42.7	38.9	34.3	64.8	102.2	53.4	65.6	37.4	30.5
87.5°	13.7	15.3	11.4	7.6	4.6	0.8	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)