

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: P641687

Luminaire Tested: GWS-SA6B-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-735-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

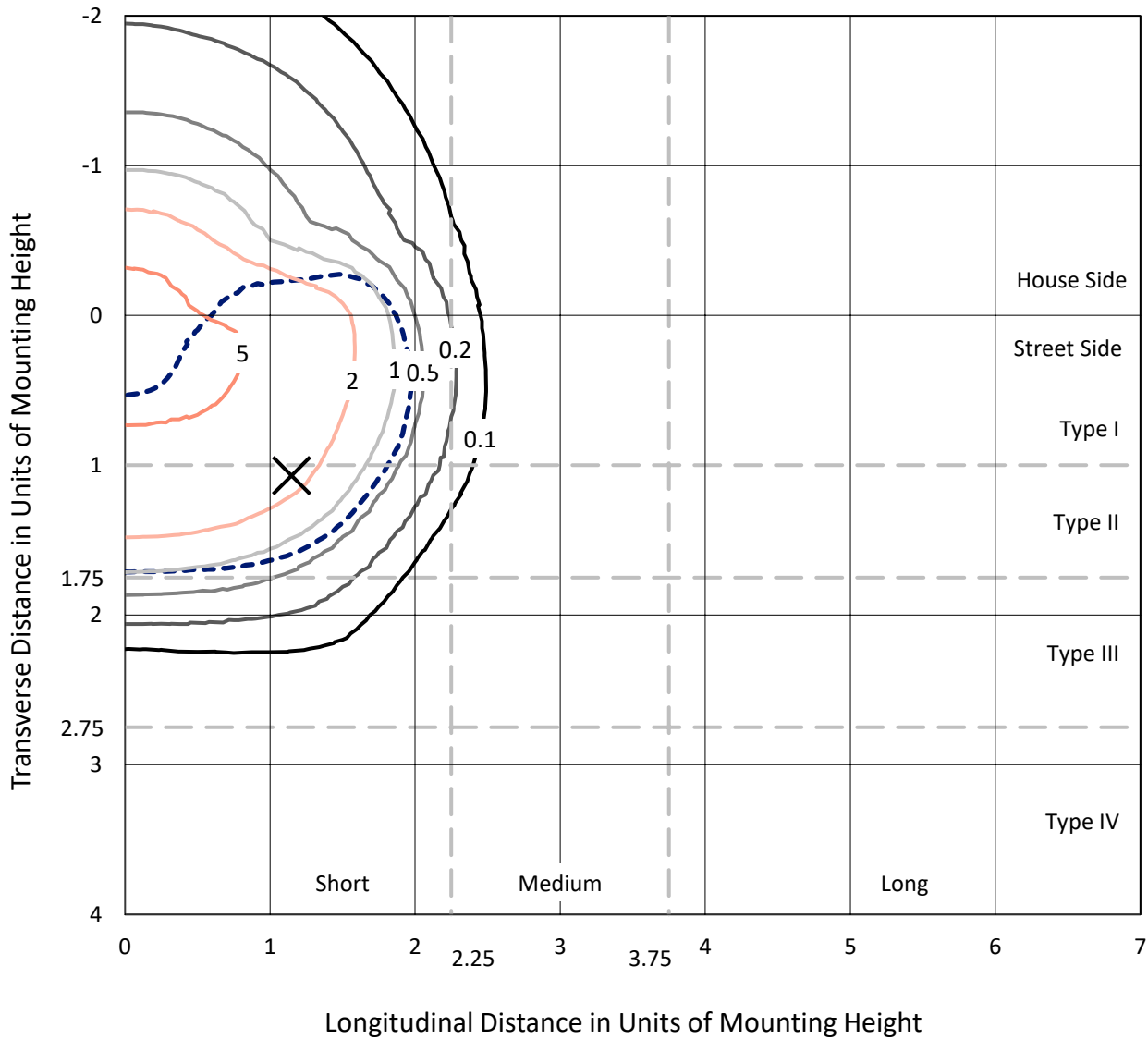
Lumens per Lamp: N/A  
Luminaire Lumens: 17823.3 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

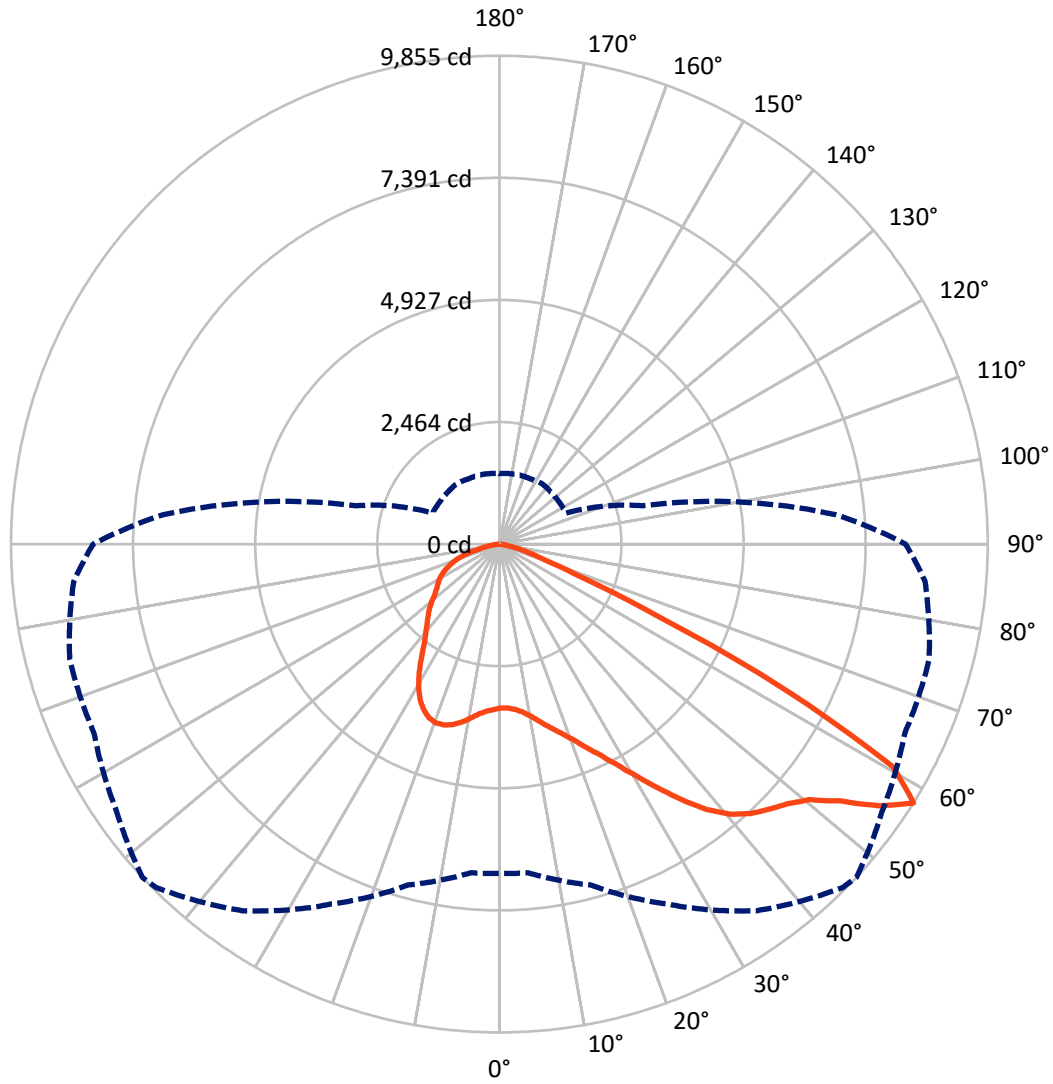
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5641.0	0.0	5641.0
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	12182.3	0.0	12182.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	17823.3	0.0	17823.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.0	1.8
10°-20°	1072.3	6.0
20°-30°	1930.7	10.8
30°-40°	2916.2	16.4
40°-50°	3927.0	22.0
50°-60°	4718.8	26.5
60°-70°	2298.1	12.9
70°-80°	566.2	3.2
80°-90°	68.0	0.4
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°	17823.3	100.0
0°-180°	17823.3	100.0

**Coefficient of Utilization**



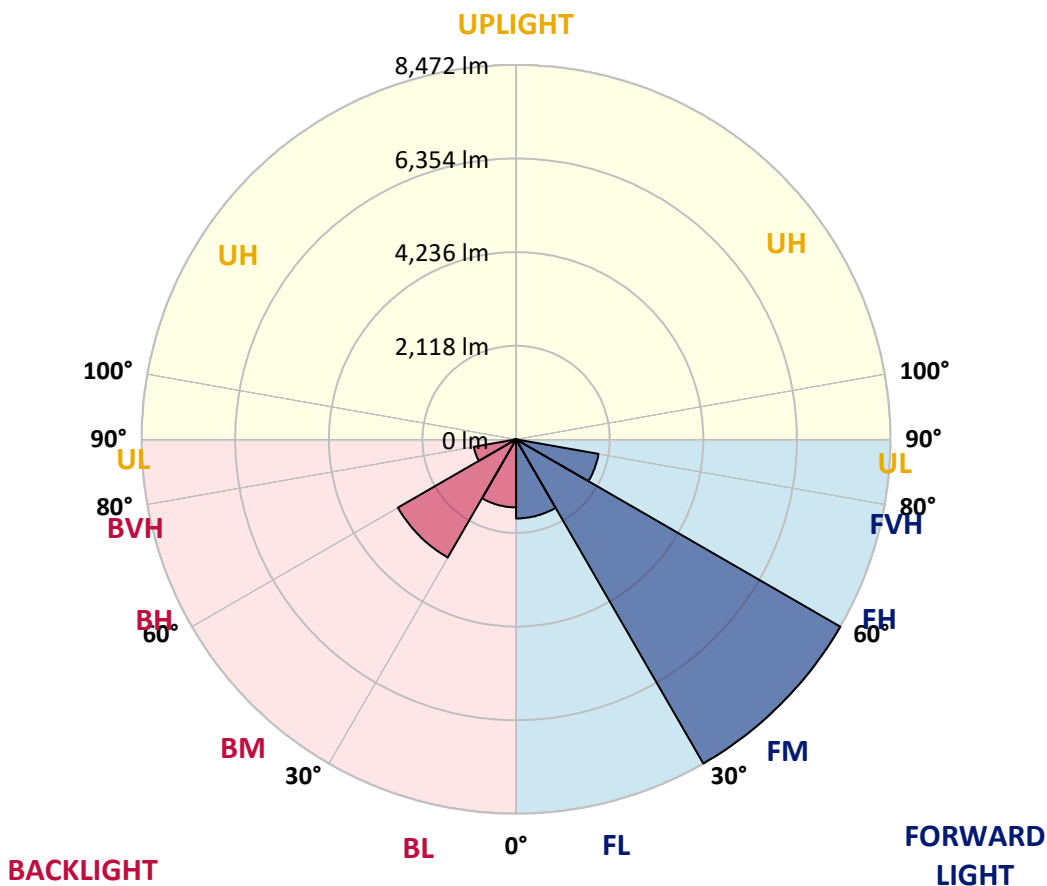
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1790.3	10.0			
FM (30°-60°)	8472.4	47.5			
FH (60°-80°)	1894.1	10.6			G2/5000
FVH (80°-90°)	25.6	0.1			G1/100
BL (0°-30°)	1538.8	8.6	B3/2500		
BM (30°-60°)	3089.6	17.3	B3/5000		
BH (60°-80°)	970.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	42.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4
2.5°	3299.4	3297.9	3297.9	3306.9	3306.9	3309.8	3314.3	3318.8	3320.3	3312.8	3296.4
5°	3335.3	3335.3	3335.3	3342.8	3342.8	3345.8	3351.8	3353.3	3351.8	3339.8	3323.3
7.5°	3392.2	3392.2	3393.7	3402.7	3410.1	3414.6	3425.1	3423.6	3419.1	3399.7	3378.7
10°	3485.0	3489.5	3494.0	3504.5	3519.4	3529.9	3537.4	3537.4	3531.4	3501.5	3474.5
12.5°	3616.7	3622.7	3627.2	3636.2	3648.2	3666.1	3682.6	3682.6	3675.1	3637.7	3597.3
15°	3770.9	3776.9	3775.4	3778.4	3800.9	3826.3	3839.8	3848.8	3851.8	3799.4	3736.5
17.5°	3947.6	3953.6	3947.6	3938.6	3941.6	3982.0	4005.9	4038.9	4058.3	3988.0	3887.7
20°	4107.7	4101.8	4101.8	4107.7	4116.7	4166.1	4202.1	4255.9	4279.9	4194.6	4038.9
22.5°	4276.9	4290.4	4284.4	4284.4	4320.3	4402.7	4446.1	4516.4	4541.9	4431.1	4221.5
25°	4495.5	4507.4	4504.4	4507.4	4549.4	4666.1	4709.5	4839.8	4865.2	4706.5	4423.6
27.5°	4735.0	4754.4	4763.4	4760.4	4827.8	4980.5	5034.4	5215.5	5261.9	5014.9	4639.2
30°	5046.4	5067.3	5074.8	5071.8	5151.1	5359.2	5420.6	5627.2	5693.1	5380.2	4913.1
32.5°	5407.1	5428.1	5450.5	5459.5	5561.3	5773.9	5862.2	6076.3	6170.6	5802.3	5244.0
35°	5764.9	5782.9	5826.3	5896.6	6035.9	6252.9	6330.8	6541.9	6633.2	6241.0	5643.7
37.5°	6160.1	6172.1	6209.5	6306.8	6507.4	6714.0	6791.8	6993.9	7004.4	6664.6	6095.7
40°	6592.7	6592.7	6585.3	6681.1	6890.7	7098.7	7166.1	7282.9	7221.5	6990.9	6535.9
42.5°	6959.5	6953.5	6959.5	7049.3	7205.0	7374.2	7432.6	7410.1	7332.3	7240.9	6934.1
45°	7290.3	7294.8	7348.7	7417.6	7498.4	7598.7	7633.2	7505.9	7435.6	7441.5	7252.9
47.5°	7514.9	7519.4	7645.1	7760.4	7809.8	7841.2	7826.3	7649.6	7613.7	7681.1	7498.4
50°	7544.8	7568.8	7785.9	8022.4	8145.1	8149.6	8107.7	7892.1	7881.7	7958.0	7630.2
52.5°	7550.8	7574.8	7845.7	8272.4	8591.2	8658.6	8610.7	8386.1	8276.9	8200.5	7791.8
55°	7528.4	7555.3	7854.7	8440.0	9050.8	9320.3	9324.8	9007.4	8658.6	8607.7	8252.9
57.5°	6646.6	6657.1	7121.2	8013.4	9032.8	9796.3	9854.7	9423.6	9025.4	8977.5	8622.7
60°	4630.2	4672.1	5176.6	6354.7	7588.2	8934.0	9122.7	8996.9	8730.5	8381.7	7398.1
62.5°	2318.8	2354.8	2860.8	3974.5	5233.5	6296.3	6498.4	6631.7	6694.5	6320.3	5037.4
65°	998.5	1025.4	1339.8	2076.3	2962.5	3476.0	3546.4	3706.6	4098.8	3657.1	2714.0
67.5°	667.7	685.6	845.8	1266.5	1745.5	1778.4	1767.9	1802.4	1887.7	1558.4	1226.0
70°	512.0	526.9	634.7	928.1	1254.5	1073.3	1016.5	922.1	1001.5	1020.9	994.0
72.5°	371.3	383.2	464.1	633.2	785.9	685.6	676.6	724.5	832.3	862.3	845.8
75°	239.5	245.5	294.9	347.3	405.7	440.1	458.1	544.9	654.2	676.6	657.2
77.5°	160.2	164.7	193.1	223.1	230.5	232.0	238.0	276.9	351.8	393.7	389.2
80°	83.8	83.8	94.3	94.3	107.8	128.7	134.7	160.2	194.6	215.6	217.1
82.5°	32.9	34.4	40.4	44.9	53.9	65.9	70.4	83.8	101.8	116.8	130.2
85°	13.5	15.0	16.5	19.5	24.0	29.9	31.4	35.9	47.9	59.9	67.4
87.5°	0.0	0.0	1.5	1.5	3.0	4.5	4.5	6.0	7.5	13.5	18.0
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°	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4
2.5°	3315.8	3296.4	3315.8	3321.8	3338.3	3344.3	3333.8	3332.3	3332.3	3317.3	3312.8
5°	3338.3	3320.3	3339.8	3348.8	3372.7	3387.7	3390.7	3402.7	3410.1	3404.2	3402.7
7.5°	3393.7	3371.2	3392.2	3405.7	3437.1	3461.0	3471.5	3498.5	3517.9	3514.9	3513.4
10°	3491.0	3461.0	3485.0	3507.5	3541.9	3570.3	3571.8	3586.8	3606.3	3600.3	3597.3
12.5°	3603.3	3574.8	3601.8	3624.2	3664.6	3676.6	3657.1	3651.2	3654.2	3646.7	3640.7
15°	3741.0	3700.6	3724.5	3750.0	3772.4	3758.9	3717.0	3700.6	3699.1	3688.6	3682.6
17.5°	3878.7	3827.8	3845.8	3859.2	3848.8	3806.8	3754.5	3726.0	3712.5	3691.6	3685.6
20°	4014.9	3950.6	3947.6	3937.1	3889.2	3812.8	3742.5	3685.6	3651.2	3622.7	3612.2
22.5°	4170.6	4080.8	4035.9	3988.0	3883.2	3758.9	3652.7	3571.8	3516.4	3480.5	3468.5
25°	4338.3	4211.0	4118.2	4022.4	3823.3	3643.7	3495.5	3384.7	3318.8	3279.9	3266.4
27.5°	4504.4	4329.3	4190.1	4026.9	3703.6	3477.5	3278.4	3128.7	3062.8	3031.4	3020.9
30°	4729.0	4486.5	4275.4	3968.5	3546.4	3247.0	2998.5	2847.3	2803.9	2781.4	2772.4
32.5°	4988.0	4685.6	4389.2	3845.8	3345.8	2977.5	2715.5	2610.8	2580.8	2537.4	2535.9
35°	5329.3	4970.0	4497.0	3664.6	3092.8	2688.6	2498.5	2423.6	2369.7	2300.9	2294.9
37.5°	5727.5	5324.8	4555.3	3434.1	2797.9	2450.6	2336.8	2253.0	2166.1	2074.8	2062.9
40°	6139.2	5739.5	4559.8	3161.6	2509.0	2293.4	2197.6	2088.3	1980.5	1878.7	1865.3
42.5°	6571.8	6125.7	4480.5	2847.3	2272.4	2157.2	2059.9	1922.1	1800.9	1732.0	1724.5
45°	6958.0	6437.1	4300.9	2516.4	2097.3	2043.4	1919.1	1770.9	1706.6	1657.2	1646.7
47.5°	7261.9	6643.6	4058.3	2220.0	1955.1	1926.6	1765.0	1688.6	1639.2	1594.3	1583.8
50°	7411.6	6690.1	3742.5	1979.0	1823.3	1788.9	1678.1	1619.7	1586.8	1550.9	1541.9
52.5°	7597.2	6742.4	3470.0	1776.9	1694.6	1648.2	1606.3	1559.9	1535.9	1513.5	1506.0
55°	8023.9	6940.1	3326.3	1615.3	1571.8	1550.9	1544.9	1506.0	1498.5	1483.5	1470.0
57.5°	8197.5	6812.8	2986.5	1483.5	1474.5	1477.5	1492.5	1456.6	1449.1	1431.1	1422.1
60°	6592.7	5149.6	2022.4	1369.7	1393.7	1413.2	1428.1	1392.2	1381.7	1378.7	1366.8
62.5°	4224.5	3167.6	1411.7	1263.5	1299.4	1323.3	1332.3	1297.9	1290.4	1314.4	1315.9
65°	2199.1	1726.0	1145.2	1149.7	1179.6	1215.6	1233.5	1221.5	1218.6	1244.0	1245.5
67.5°	1122.7	1055.4	998.5	1015.0	1038.9	1085.3	1127.2	1179.6	1197.6	1200.6	1202.1
70°	956.6	926.6	898.2	908.7	934.1	959.6	1000.0	1025.4	995.5	988.0	985.0
72.5°	814.4	791.9	778.4	790.4	803.9	799.4	787.4	799.4	803.9	805.4	806.9
75°	633.2	616.8	606.3	607.8	607.8	591.3	568.9	555.4	540.4	528.4	528.4
77.5°	387.7	390.7	401.2	399.7	398.2	392.2	369.8	357.8	321.9	311.4	311.4
80°	221.6	226.0	236.5	239.5	239.5	232.0	209.6	196.1	179.6	172.2	170.7
82.5°	134.7	140.7	146.7	149.7	151.2	142.2	122.8	112.3	103.3	95.8	95.8
85°	70.4	73.4	79.3	80.8	76.3	67.4	56.9	52.4	43.4	41.9	41.9
87.5°	19.5	21.0	24.0	19.5	18.0	13.5	7.5	6.0	3.0	1.5	1.5
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)