

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: P641821

Luminaire Tested: GWS-SA6B-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641821  
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-SA6B-760-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

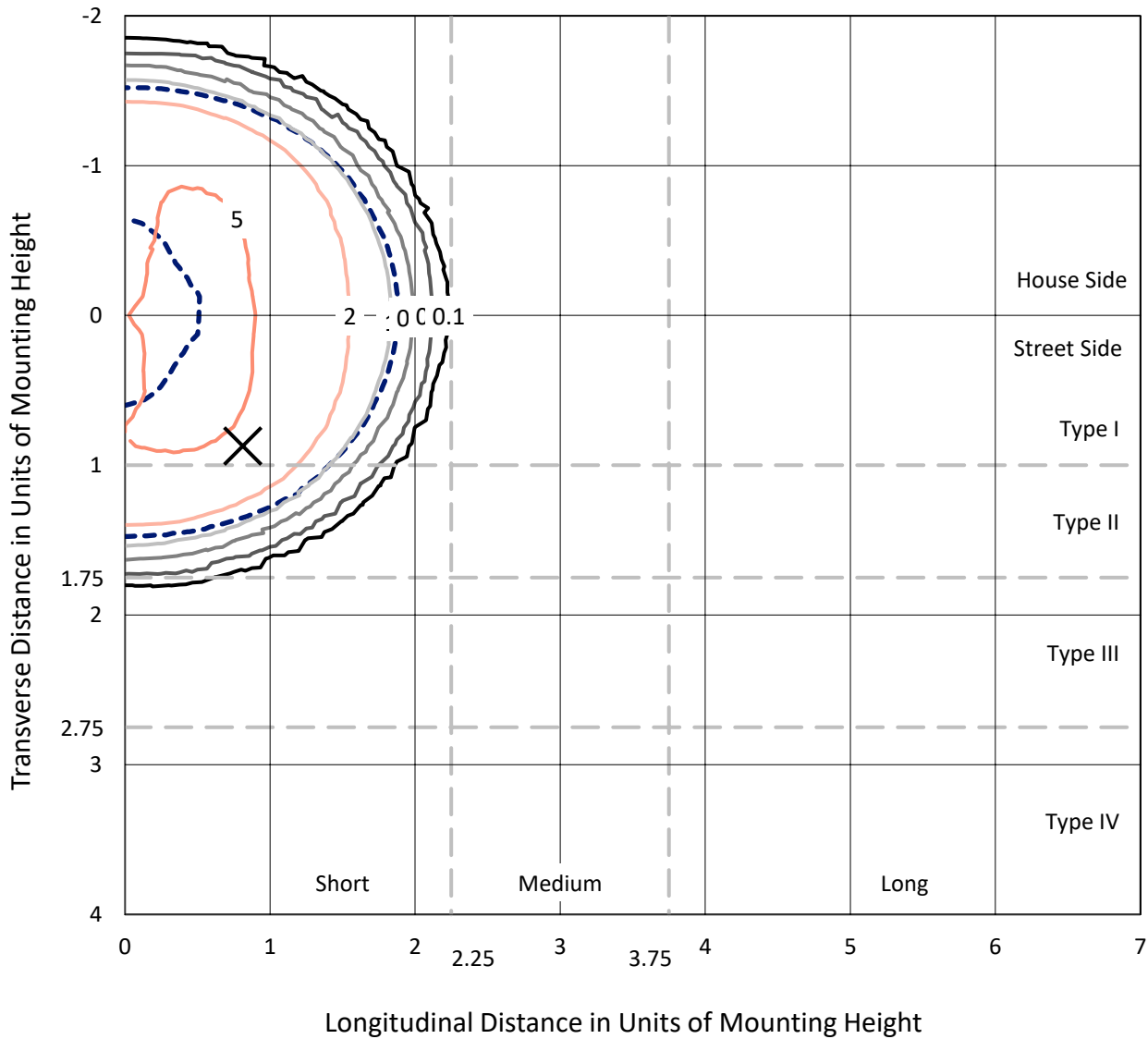
Lumens per Lamp: N/A  
Luminaire Lumens: 13844.5 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

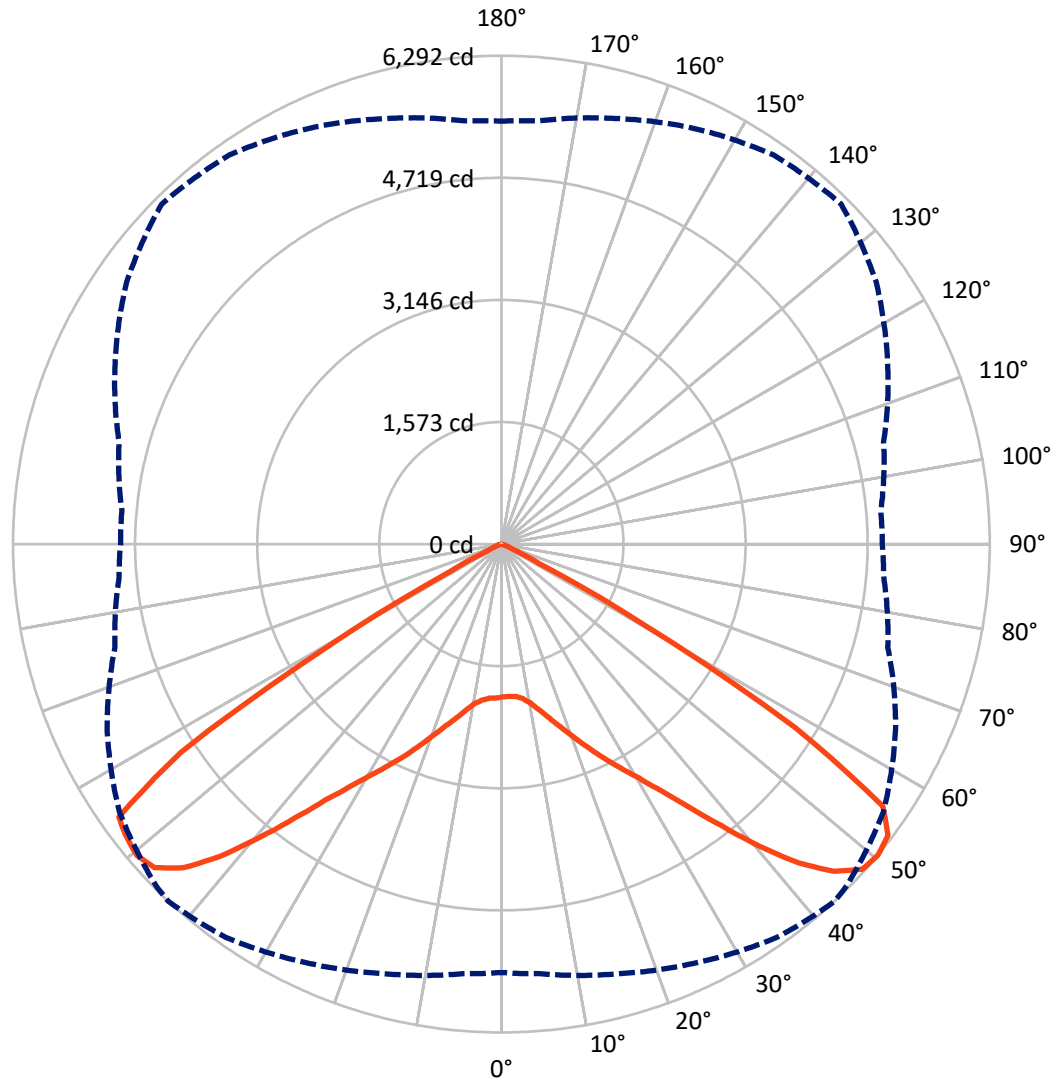
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6922.1	0.0	6922.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6922.4	0.0	6922.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13844.5	0.0	13844.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.9	1.4
10°-20°	667.3	4.8
20°-30°	1350.1	9.8
30°-40°	2504.9	18.1
40°-50°	4158.0	30.0
50°-60°	4243.4	30.7
60°-70°	695.9	5.0
70°-80°	30.5	0.2
80°-90°	0.4	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°	13844.5	100.0
0°-180°	13844.5	100.0

**Coefficient of Utilization**



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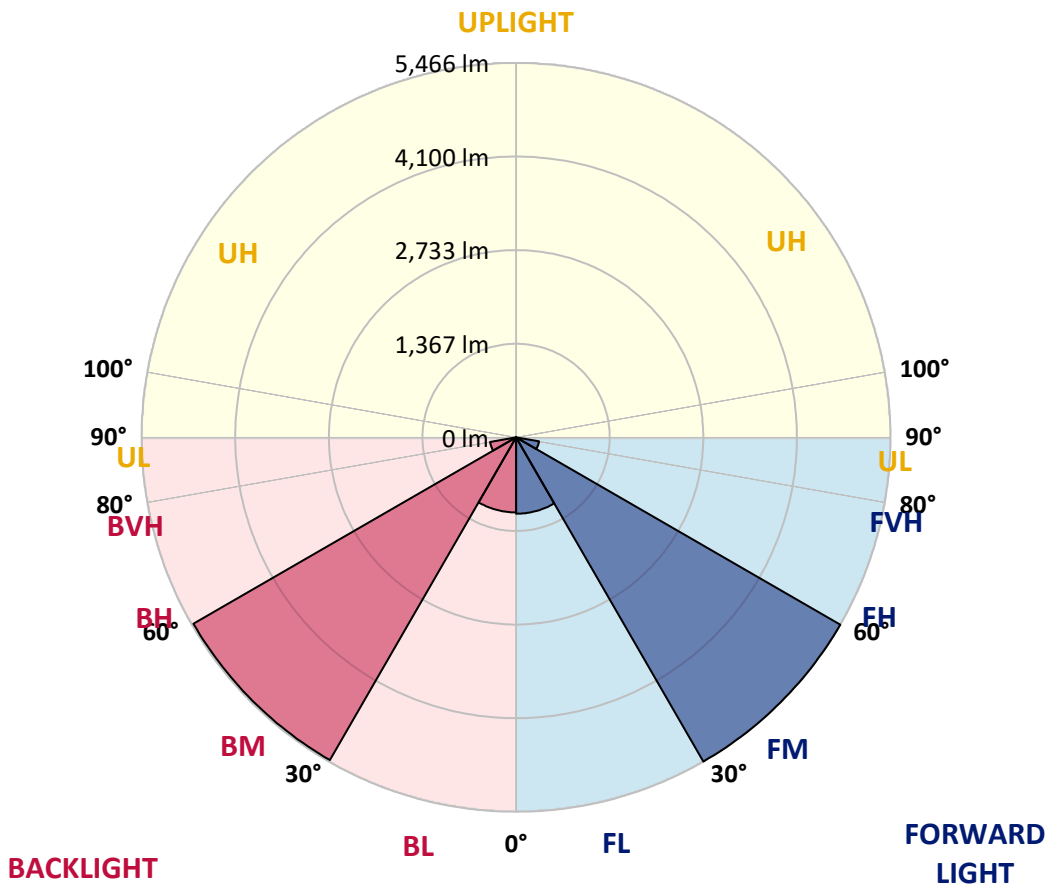
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1115.4	8.1			
FM (30°-60°)	5466.5	39.5			
FH (60°-80°)	340.4	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1096.0	7.9	B3/2500		
BM (30°-60°)	5439.9	39.3	B4/8500		
BH (60°-80°)	385.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2
2.5°	1932.4	1937.0	1943.1	1949.3	1956.9	1964.6	1969.2	1982.9	1979.9	1992.1	1992.1
5°	1911.0	1915.6	1923.2	1937.0	1953.8	1970.7	1982.9	2010.5	2025.8	2050.3	2059.5
7.5°	1921.7	1927.8	1937.0	1958.4	1984.5	2010.5	2024.3	2068.7	2099.3	2145.3	2171.3
10°	1956.9	1963.0	1978.3	2015.1	2048.8	2085.5	2102.4	2159.0	2208.0	2270.8	2307.6
12.5°	1996.7	2004.4	2035.0	2090.1	2148.3	2197.3	2220.3	2283.1	2333.6	2404.0	2462.2
15°	2038.1	2050.3	2097.8	2178.9	2261.6	2327.5	2352.0	2419.3	2469.9	2544.9	2610.7
17.5°	2134.5	2148.3	2201.9	2289.2	2402.5	2479.1	2500.5	2570.9	2609.2	2659.7	2728.7
20°	2255.5	2281.5	2347.4	2453.0	2577.1	2650.6	2665.9	2734.8	2731.7	2753.2	2812.9
22.5°	2405.6	2423.9	2495.9	2621.5	2760.8	2842.0	2877.2	2906.3	2868.0	2849.6	2887.9
25°	2561.7	2583.2	2661.3	2799.1	2955.3	3048.7	3077.8	3100.7	3039.5	2970.6	2975.2
27.5°	2763.9	2779.2	2855.7	3002.7	3158.9	3264.6	3290.6	3330.4	3249.3	3139.0	3108.4
30°	3004.3	3019.6	3100.7	3255.4	3410.0	3500.4	3540.2	3589.2	3500.4	3362.6	3327.4
32.5°	3286.0	3301.3	3405.5	3564.7	3691.8	3789.8	3828.1	3880.1	3809.7	3655.0	3615.2
35°	3622.9	3632.1	3754.6	3927.6	4062.4	4157.3	4183.3	4244.6	4166.5	4011.8	3990.4
37.5°	4013.4	4024.1	4157.3	4357.9	4495.7	4601.3	4642.7	4659.5	4564.6	4391.6	4374.7
40°	4442.1	4477.3	4607.5	4823.4	4978.0	5111.2	5148.0	5091.3	4958.1	4722.3	4691.7
42.5°	4889.2	4919.8	5065.3	5299.6	5478.7	5615.0	5616.5	5494.1	5267.4	4941.3	4895.3
45°	5261.3	5273.6	5461.9	5697.7	5918.2	6014.7	6023.9	5801.8	5460.4	5068.4	4970.4
47.5°	5517.0	5536.9	5700.8	5927.4	6170.9	6258.1	6239.8	5962.6	5552.2	5151.1	4988.7
50°	5520.1	5553.8	5731.4	5950.4	6186.2	6291.8	6265.8	6008.5	5604.3	5154.1	4944.3
52.5°	5031.6	5086.7	5376.1	5693.1	6054.5	6235.2	6241.3	6068.3	5584.4	5105.1	4904.5
55°	3795.9	3855.6	4220.1	4760.6	5458.8	5962.6	6049.9	5997.8	5561.4	5126.6	4975.0
57.5°	2009.0	1963.0	2165.2	2701.1	3578.5	4469.7	4725.4	5141.9	5305.7	5152.6	5105.1
60°	437.9	467.0	621.7	837.6	1396.5	2102.4	2352.0	3065.5	3913.8	4290.5	4563.1
62.5°	188.3	185.3	192.9	219.0	320.0	532.9	650.8	1062.7	1676.7	2303.0	2727.1
65°	154.7	156.2	162.3	162.3	151.6	153.1	160.8	243.5	392.0	549.7	738.1
67.5°	116.4	117.9	128.6	131.7	124.0	110.2	108.7	91.9	96.5	121.0	125.6
70°	73.5	73.5	79.6	82.7	82.7	76.6	75.0	65.8	64.3	73.5	82.7
72.5°	39.8	39.8	42.9	44.4	42.9	41.3	41.3	39.8	38.3	44.4	56.7
75°	16.8	16.8	18.4	18.4	16.8	16.8	16.8	16.8	16.8	19.9	30.6
77.5°	3.1	4.6	6.1	4.6	3.1	3.1	3.1	4.6	4.6	6.1	9.2
80°	1.5	1.5	3.1	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2	1969.2
2.5°	2002.8	1986.0	1992.1	1995.2	1990.6	1987.5	1970.7	1966.1	1958.4	1946.2	1943.1
5°	2070.2	2056.4	2054.9	2045.7	2024.3	1998.3	1966.1	1952.3	1937.0	1921.7	1918.6
7.5°	2183.5	2166.7	2156.0	2125.3	2076.3	2035.0	1981.4	1952.3	1932.4	1912.5	1907.9
10°	2329.0	2309.1	2278.5	2221.8	2156.0	2096.3	2033.5	1995.2	1964.6	1937.0	1935.5
12.5°	2483.7	2462.2	2407.1	2335.1	2255.5	2200.4	2120.8	2067.2	2021.2	1979.9	1975.3
15°	2646.0	2619.9	2544.9	2459.2	2385.7	2329.0	2241.7	2156.0	2085.5	2025.8	2019.7
17.5°	2770.0	2737.8	2649.0	2584.7	2525.0	2466.8	2368.8	2255.5	2162.1	2090.1	2073.3
20°	2848.1	2817.5	2733.2	2698.0	2670.5	2629.1	2512.7	2394.8	2290.7	2201.9	2186.6
22.5°	2923.1	2886.4	2812.9	2812.9	2834.3	2817.5	2691.9	2557.2	2434.7	2332.1	2309.1
25°	3007.3	2978.2	2926.2	2969.1	3022.6	3021.1	2892.5	2724.1	2583.2	2468.3	2445.4
27.5°	3129.8	3100.7	3082.4	3163.5	3230.9	3226.3	3085.4	2903.2	2754.7	2641.4	2619.9
30°	3345.7	3318.2	3298.3	3396.3	3482.0	3449.9	3295.2	3119.1	2969.1	2840.4	2825.1
32.5°	3633.6	3604.5	3578.5	3676.5	3753.0	3711.7	3564.7	3399.3	3226.3	3100.7	3070.1
35°	4011.8	3950.6	3924.5	4040.9	4073.1	4027.1	3886.3	3740.8	3557.0	3413.1	3393.2
37.5°	4402.3	4330.3	4311.9	4413.0	4465.1	4448.2	4282.8	4131.3	3932.2	3772.9	3750.0
40°	4736.1	4670.3	4638.1	4795.8	4913.7	4924.4	4775.9	4590.6	4356.3	4191.0	4149.6
42.5°	4932.1	4875.4	4867.8	5112.8	5305.7	5443.5	5265.9	5074.5	4828.0	4641.2	4607.5
45°	4976.5	4939.7	5004.1	5325.6	5625.7	5876.9	5725.3	5523.1	5256.7	5059.2	5027.0
47.5°	4971.9	4959.7	5074.5	5435.9	5815.6	6124.9	6049.9	5821.7	5564.5	5357.8	5327.1
50°	4906.1	4907.6	5099.0	5491.0	5892.2	6192.3	6117.3	5906.0	5676.3	5472.6	5448.1
52.5°	4880.0	4870.8	5053.1	5474.1	5970.3	6161.7	5993.2	5755.9	5500.2	5249.1	5212.3
55°	4971.9	4948.9	5059.2	5460.4	5979.5	6144.8	5700.8	5186.3	4662.6	4365.5	4341.0
57.5°	5109.7	5085.2	5137.3	5359.3	5500.2	5109.7	4195.6	3365.6	2826.6	2598.5	2499.0
60°	4563.1	4546.2	4506.4	4238.4	3635.1	2742.4	1868.1	1191.3	856.0	692.1	692.1
62.5°	2831.2	2808.3	2592.4	1926.3	1399.5	810.0	445.6	278.7	211.3	197.5	196.0
65°	794.7	790.1	653.8	462.4	294.0	182.2	160.8	163.8	160.8	156.2	154.7
67.5°	119.4	131.7	131.7	107.2	102.6	114.8	134.7	143.9	136.3	128.6	125.6
70°	76.6	82.7	79.6	68.9	73.5	85.7	96.5	98.0	93.4	85.7	84.2
72.5°	53.6	59.7	49.0	44.4	45.9	50.5	55.1	55.1	53.6	50.5	47.5
75°	32.2	32.2	23.0	21.4	21.4	23.0	23.0	26.0	26.0	24.5	23.0
77.5°	10.7	12.2	7.7	6.1	6.1	6.1	7.7	9.2	9.2	7.7	6.1
80°	1.5	3.1	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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)