

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: P639379

Luminaire Tested: GWS-SA5B-760-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639379  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-760-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

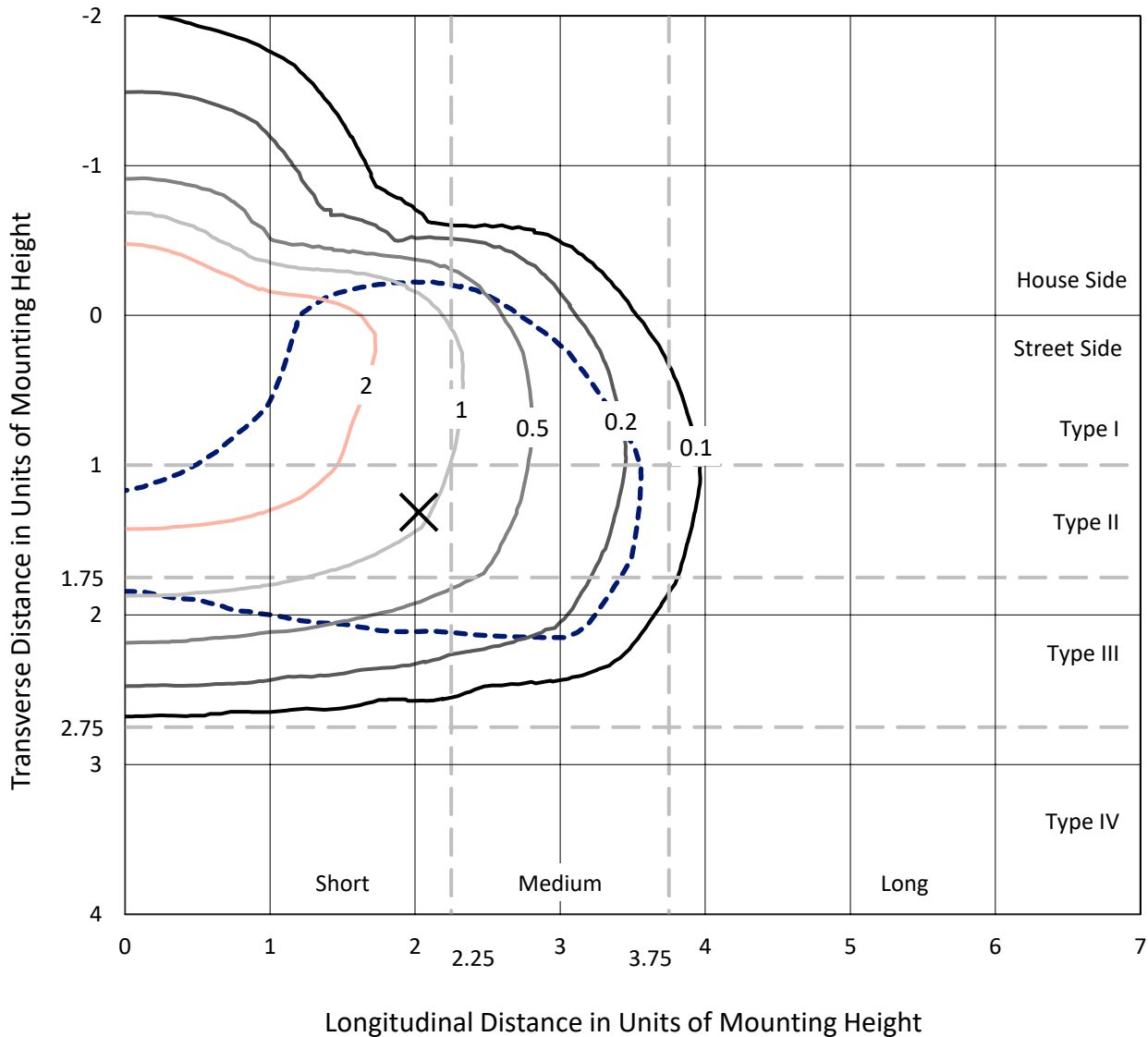
Lumens per Lamp: N/A  
Luminaire Lumens: 17926 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

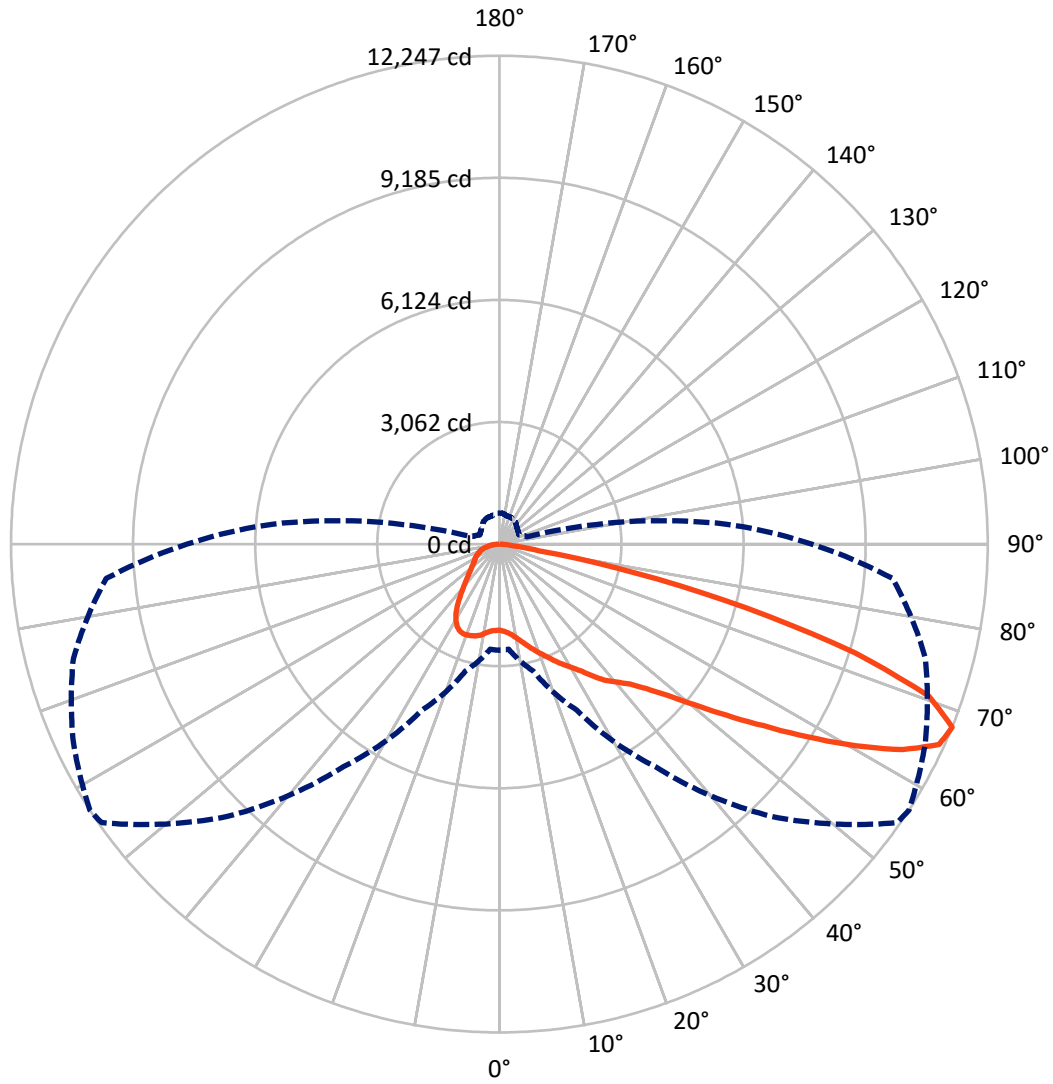
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3941.2	0.0	3941.2
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	13984.7	0.0	13984.7
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	17926.0	0.0	17926.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.2	1.2
10°-20°	709.2	4.0
20°-30°	1264.3	7.1
30°-40°	1838.2	10.3
40°-50°	2660.5	14.8
50°-60°	4163.6	23.2
60°-70°	4857.1	27.1
70°-80°	2027.5	11.3
80°-90°	191.3	1.1
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°	17926.0	100.0
0°-180°	17926.0	100.0

**Coefficient of Utilization**



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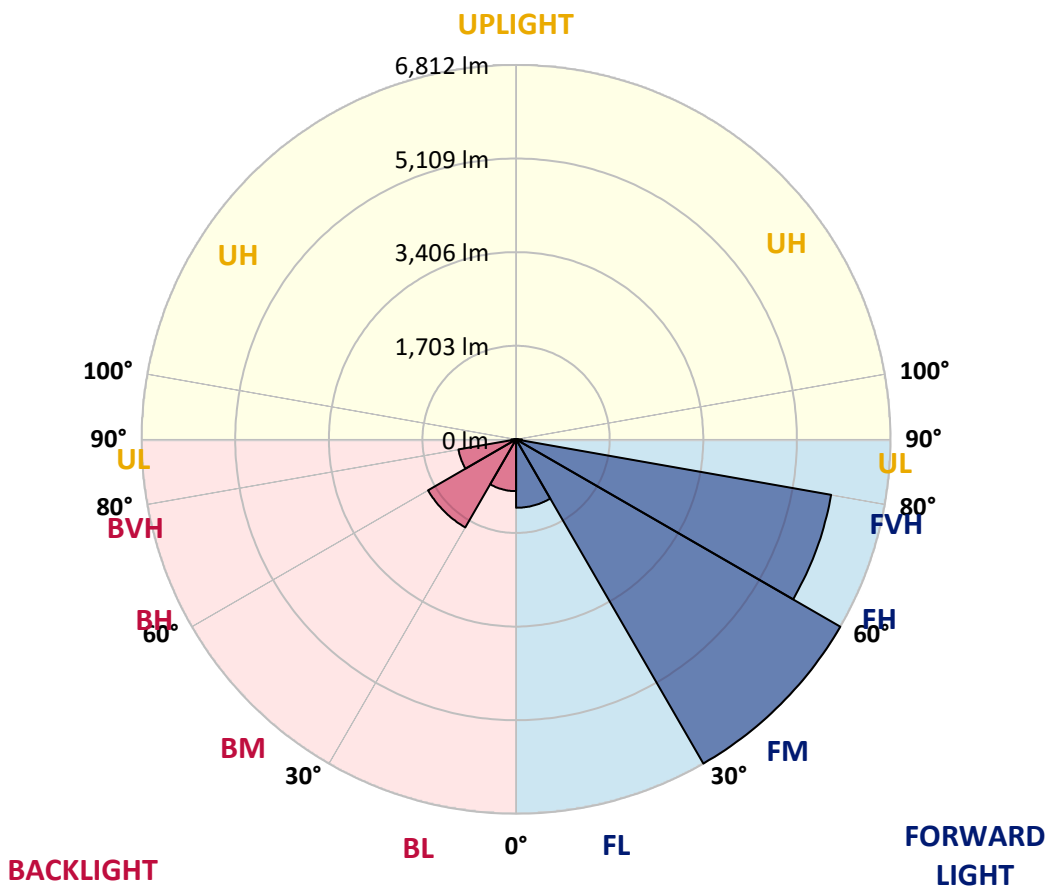
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.1	6.9			
FM (30°-60°)	6812.1	38.0			
FH (60°-80°)	5820.9	32.5			G3/7500
FVH (80°-90°)	106.6	0.6			G2/225
BL (0°-30°)	942.6	5.3	B2/1000		
BM (30°-60°)	1850.1	10.3	B2/2500		
BH (60°-80°)	1063.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	84.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0
2.5°	2190.8	2188.2	2186.9	2194.6	2192.1	2190.8	2190.8	2189.5	2186.9	2176.7	2162.5
5°	2251.1	2246.0	2240.9	2247.3	2242.1	2237.0	2235.7	2233.2	2224.2	2208.8	2186.9
7.5°	2314.1	2308.9	2310.2	2314.1	2310.2	2307.6	2303.8	2301.2	2287.1	2262.7	2233.2
10°	2402.7	2402.7	2405.2	2409.1	2410.4	2406.5	2398.8	2395.0	2378.3	2347.4	2306.4
12.5°	2531.1	2528.5	2528.5	2525.9	2529.8	2525.9	2518.2	2511.8	2491.3	2451.5	2392.4
15°	2700.6	2690.3	2681.3	2664.6	2659.5	2645.4	2647.9	2644.1	2624.8	2570.9	2496.4
17.5°	2881.7	2880.4	2866.3	2832.9	2799.5	2776.4	2781.5	2780.2	2769.9	2696.7	2601.7
20°	3040.9	3047.3	3034.5	3008.8	2963.8	2920.2	2917.6	2924.0	2911.2	2838.0	2705.7
22.5°	3219.4	3214.3	3201.4	3168.0	3134.6	3088.4	3073.0	3067.9	3062.7	2979.3	2812.3
25°	3388.9	3404.3	3387.6	3356.8	3305.4	3255.4	3242.5	3247.6	3233.5	3123.1	2926.6
27.5°	3603.4	3609.8	3599.5	3557.1	3513.5	3442.8	3418.4	3418.4	3413.3	3257.9	3016.5
30°	3831.9	3849.9	3831.9	3797.3	3752.3	3650.9	3598.2	3593.1	3577.7	3396.6	3121.8
32.5°	4061.8	4074.6	4061.8	4028.4	3977.1	3888.4	3812.7	3801.1	3780.6	3548.1	3229.7
35°	4266.0	4277.5	4275.0	4282.7	4240.3	4128.6	4082.4	4077.2	4023.3	3745.9	3376.1
37.5°	4489.4	4503.6	4484.3	4499.7	4483.0	4377.7	4363.6	4337.9	4260.9	3932.1	3530.2
40°	4743.7	4756.5	4725.7	4732.1	4712.9	4653.8	4581.9	4547.2	4432.9	4133.7	3772.9
42.5°	5015.9	5045.5	5059.6	5048.0	5003.1	4969.7	4843.9	4800.2	4705.2	4497.1	4172.2
45°	5410.2	5453.8	5474.4	5444.8	5425.6	5378.1	5224.0	5171.3	5121.2	5009.5	4729.6
47.5°	5835.2	5875.0	5940.5	5953.4	5968.8	5932.8	5715.8	5664.4	5673.4	5660.6	5415.3
50°	6174.3	6207.6	6355.3	6513.3	6644.3	6654.5	6377.1	6321.9	6370.7	6411.8	6241.0
52.5°	6420.8	6450.3	6645.5	6971.7	7268.4	7488.0	7188.7	7125.8	7165.6	7258.1	7179.8
55°	6621.1	6662.2	6866.4	7367.2	7966.9	8313.7	8122.3	8042.7	8026.0	8140.3	8185.3
57.5°	6726.4	6739.3	7025.7	7676.7	8479.3	9124.0	9207.4	9117.6	8958.3	9021.2	9255.0
60°	6486.3	6508.1	6899.8	7756.3	8883.8	9927.9	10346.5	10272.0	9933.0	9967.7	10225.8
62.5°	5822.4	5853.2	6324.5	7377.5	8917.2	10464.6	11398.2	11350.7	10896.1	10708.6	10785.7
65°	4670.5	4680.8	5168.8	6440.1	8253.3	10531.4	12131.5	12119.9	11569.0	11129.8	10799.8
67.5°	2663.4	2645.4	3297.7	4593.4	6811.2	9663.3	12179.0	12247.1	11787.3	11060.5	9900.9
70°	1154.5	1157.0	1457.5	2266.5	4408.5	7810.3	11312.2	11429.0	11155.5	9906.0	7877.1
72.5°	534.2	541.9	671.6	981.1	1882.6	4845.1	9224.1	9329.4	9094.4	7928.4	5731.2
75°	377.5	384.0	448.2	562.5	865.5	1887.7	6170.4	6391.3	6505.6	5930.3	3776.7
77.5°	286.4	295.4	327.5	390.4	534.2	669.0	2952.3	3478.8	4144.0	3689.4	1945.5
80°	182.4	182.4	217.0	260.7	326.2	348.0	852.7	1010.6	2027.7	1520.4	764.1
82.5°	123.3	127.1	147.7	165.7	187.5	197.8	366.0	390.4	585.6	517.5	314.6
85°	65.5	68.1	77.0	75.8	89.9	78.3	154.1	152.8	214.5	235.0	119.4
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	16.7	18.0	44.9	71.9	39.8
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°	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0	2160.0
2.5°	2170.2	2154.8	2162.5	2160.0	2167.7	2167.7	2153.5	2149.7	2151.0	2135.6	2130.4
5°	2189.5	2171.5	2175.4	2170.2	2177.9	2184.4	2177.9	2177.9	2185.6	2174.1	2167.7
7.5°	2233.2	2212.6	2212.6	2206.2	2215.2	2220.3	2215.2	2222.9	2237.0	2225.5	2219.0
10°	2302.5	2278.1	2279.4	2271.7	2275.5	2273.0	2252.4	2246.0	2249.9	2239.6	2234.4
12.5°	2392.4	2359.0	2359.0	2343.6	2334.6	2307.6	2265.3	2249.9	2252.4	2243.4	2239.6
15°	2478.4	2447.6	2441.2	2410.4	2369.3	2319.2	2280.7	2270.4	2273.0	2264.0	2257.6
17.5°	2579.9	2540.1	2517.0	2460.5	2384.7	2333.3	2294.8	2270.4	2249.9	2229.3	2224.2
20°	2673.6	2623.5	2581.2	2493.8	2401.4	2330.8	2258.8	2198.5	2148.4	2121.4	2115.0
22.5°	2769.9	2705.7	2631.2	2517.0	2400.1	2284.5	2152.3	2061.1	1986.6	1946.8	1954.5
25°	2861.1	2780.2	2678.8	2538.8	2359.0	2181.8	2002.0	1865.9	1781.1	1750.3	1741.3
27.5°	2936.9	2836.7	2722.4	2528.5	2274.3	2034.1	1796.5	1645.0	1562.8	1528.2	1519.2
30°	3021.6	2908.6	2785.3	2481.0	2140.7	1827.4	1564.1	1440.8	1381.8	1348.4	1349.7
32.5°	3119.2	3001.1	2874.0	2389.8	1969.9	1603.9	1372.8	1288.0	1240.5	1207.1	1202.0
35°	3250.2	3133.4	2933.0	2252.4	1752.9	1398.5	1241.8	1172.4	1113.4	1069.7	1060.7
37.5°	3412.0	3332.4	2939.4	2068.8	1520.4	1257.2	1148.0	1073.6	1001.6	943.9	937.4
40°	3689.4	3598.2	2886.8	1838.9	1322.7	1166.0	1069.7	983.7	900.2	836.0	827.0
42.5°	4084.9	3897.4	2773.8	1579.5	1173.7	1094.1	995.2	886.1	801.3	756.4	750.0
45°	4588.3	4231.3	2604.3	1335.5	1063.3	1023.5	916.9	802.6	757.7	725.6	719.1
47.5°	5204.7	4620.4	2409.1	1145.5	977.2	959.3	837.3	774.3	734.5	707.6	701.2
50°	5941.8	5116.1	2248.6	996.5	900.2	884.8	811.6	757.7	725.6	703.7	698.6
52.5°	6782.9	5667.0	2170.2	889.9	833.4	818.0	802.6	753.8	726.8	710.1	703.7
55°	7656.2	6247.4	2097.0	807.7	776.9	785.9	803.9	766.6	746.1	724.3	717.8
57.5°	8499.9	6791.9	1917.3	743.5	735.8	770.5	810.3	779.5	755.1	733.3	725.6
60°	9081.6	7089.9	1612.9	692.2	705.0	751.2	793.6	760.2	729.4	720.4	716.6
62.5°	9238.3	7053.9	1252.1	639.5	667.8	708.9	750.0	728.1	696.0	710.1	711.4
65°	8872.3	6668.7	940.0	588.1	619.0	653.6	705.0	696.0	684.5	723.0	724.3
67.5°	7836.0	5722.2	716.6	543.2	568.9	611.3	690.9	728.1	730.7	779.5	774.3
70°	5929.0	4275.0	561.2	500.8	530.4	611.3	735.8	752.5	721.7	766.6	756.4
72.5°	4099.0	2821.3	477.7	463.6	482.8	583.0	734.5	734.5	701.2	701.2	681.9
75°	2546.5	1659.1	416.1	416.1	416.1	509.8	714.0	676.8	617.7	590.7	575.3
77.5°	1257.2	806.5	349.3	362.1	348.0	426.3	583.0	553.5	517.5	489.3	479.0
80°	536.8	403.2	282.5	296.6	279.9	321.0	462.3	455.9	421.2	384.0	372.4
82.5°	246.6	208.0	226.0	232.4	204.2	241.4	337.7	337.7	318.5	267.1	247.8
85°	105.3	110.4	156.7	156.7	128.4	136.1	181.1	172.1	154.1	125.8	115.6
87.5°	36.0	53.9	79.6	69.3	27.0	11.6	6.4	2.6	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)