

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: P641492

Luminaire Tested: GWS-SA6B-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

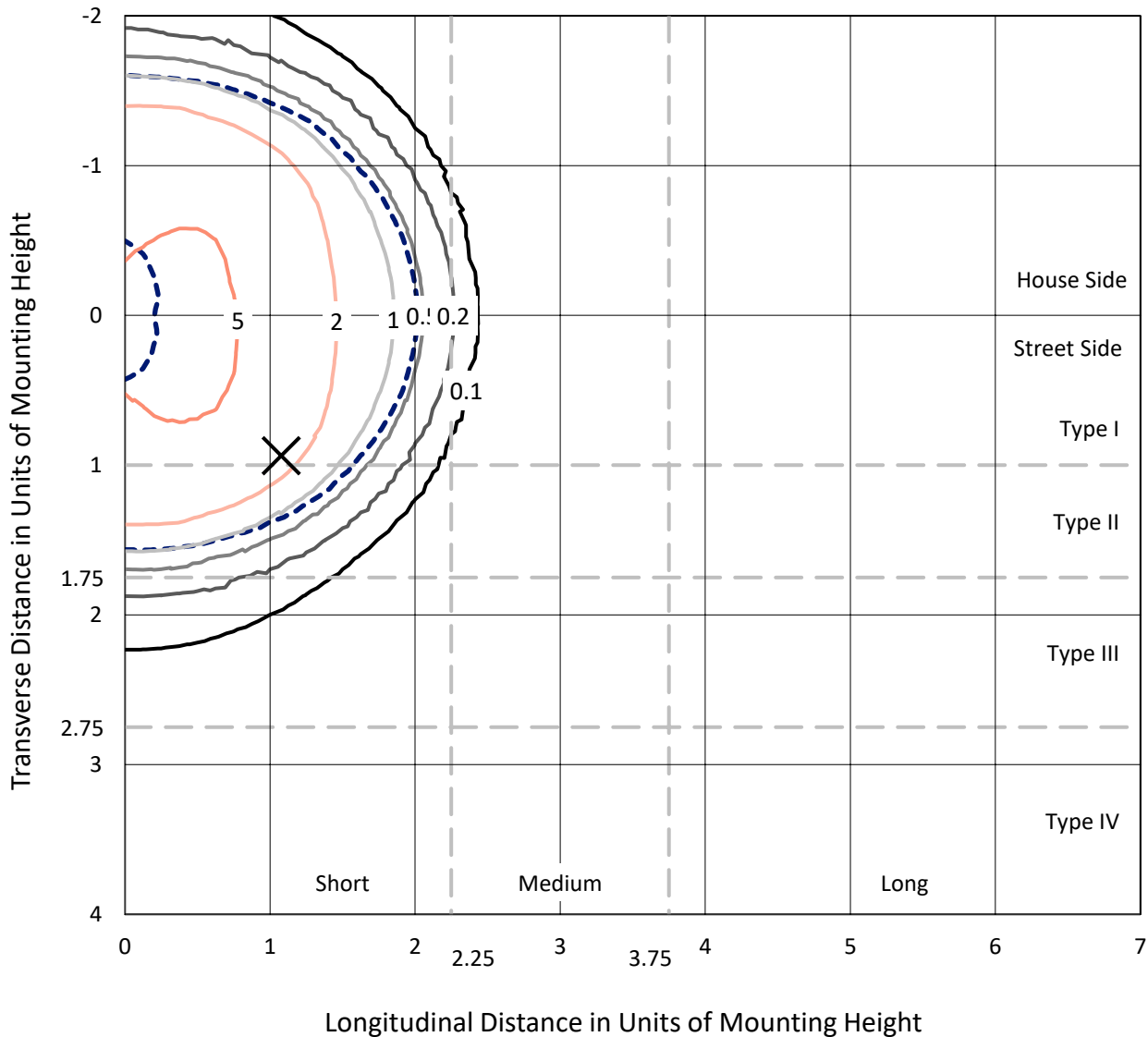
Lumens per Lamp: N/A  
Luminaire Lumens: 13748.1 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

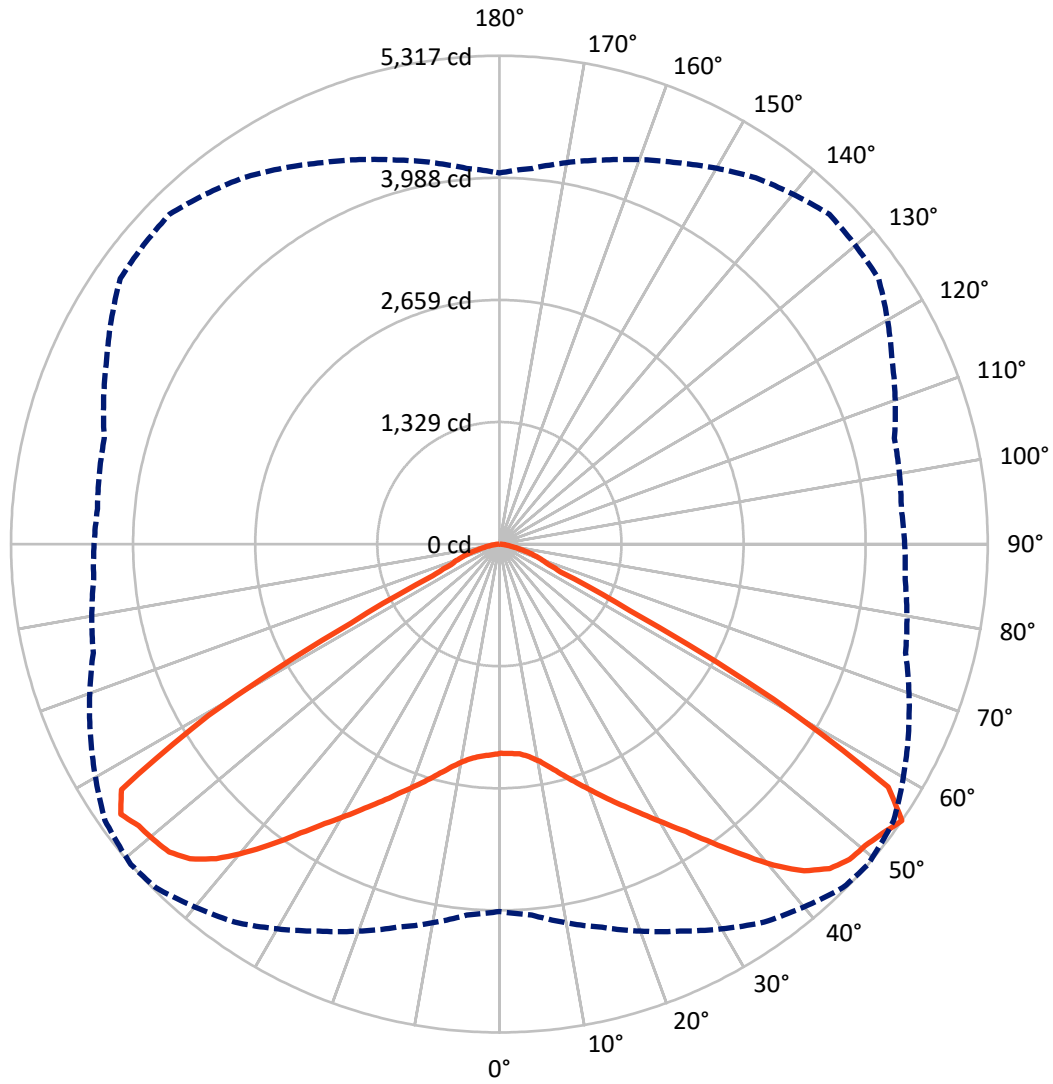
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6806.6	0.0	6806.6
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	6941.5	0.0	6941.5
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	13748.1	0.0	13748.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.2	1.6
10°-20°	732.8	5.3
20°-30°	1395.8	10.2
30°-40°	2366.1	17.2
40°-50°	3560.9	25.9
50°-60°	3897.7	28.4
60°-70°	1232.5	9.0
70°-80°	295.8	2.2
80°-90°	44.4	0.3
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°	13748.1	100.0
0°-180°	13748.1	100.0

**Coefficient of Utilization**



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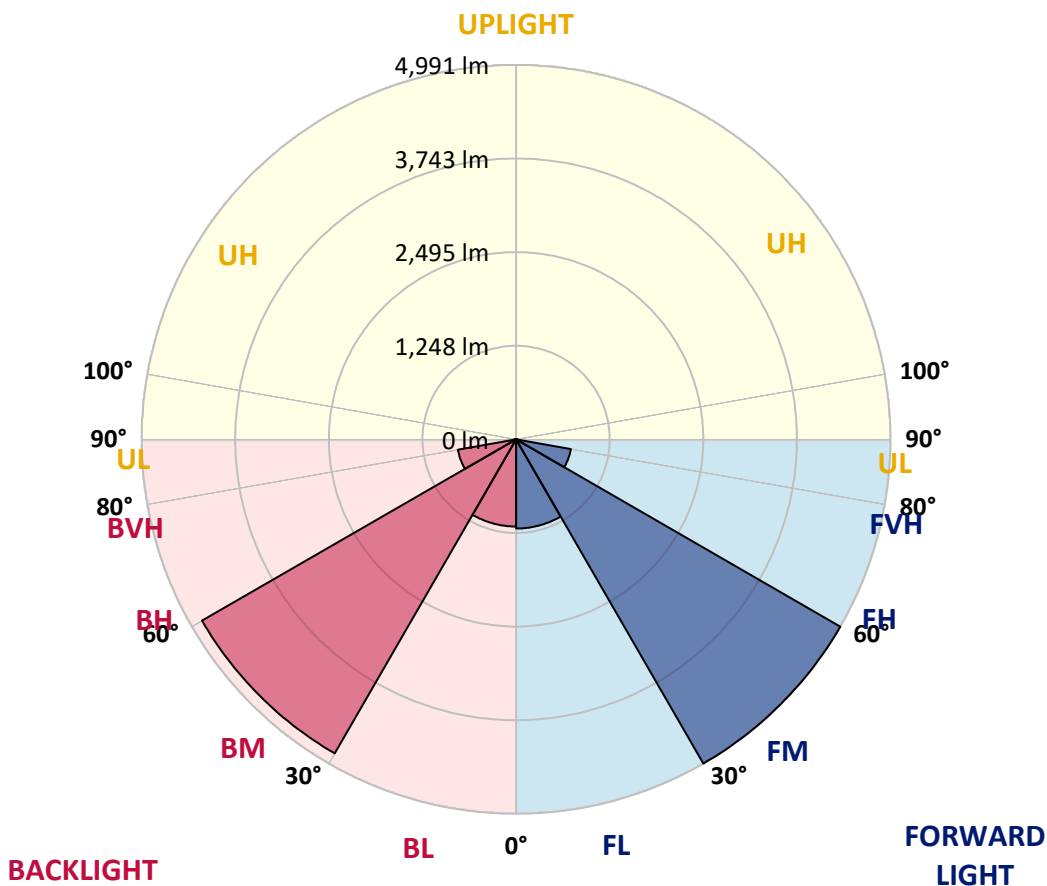
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1188.6	8.6			
FM (30°-60°)	4990.9	36.3			
FH (60°-80°)	741.3	5.4			G1/1800
FVH (80°-90°)	20.5	0.1			G1/100
BL (0°-30°)	1162.1	8.5	B3/2500		
BM (30°-60°)	4833.8	35.2	B3/5000		
BH (60°-80°)	786.9	5.7	B2/1000		G1/1800
BVH (80°-90°)	23.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5
2.5°	2243.9	2246.2	2250.6	2258.4	2266.3	2277.5	2281.9	2287.5	2286.4	2293.1	2293.1
5°	2232.7	2236.1	2242.8	2254.0	2267.4	2288.6	2294.2	2307.6	2321.1	2337.8	2343.4
7.5°	2246.2	2250.6	2258.4	2276.3	2296.5	2324.4	2335.6	2358.0	2383.7	2413.9	2426.2
10°	2271.9	2277.5	2290.9	2319.9	2352.4	2394.9	2404.9	2432.9	2474.2	2515.6	2540.2
12.5°	2300.9	2309.9	2334.5	2380.3	2428.4	2484.3	2499.9	2534.6	2579.3	2633.0	2666.5
15°	2334.5	2342.3	2380.3	2445.2	2520.1	2593.9	2611.8	2645.3	2695.6	2748.2	2795.1
17.5°	2404.9	2418.3	2463.1	2538.0	2625.2	2712.4	2732.5	2770.5	2810.8	2852.1	2896.9
20°	2501.1	2512.2	2569.3	2662.1	2764.9	2844.3	2864.4	2898.0	2917.0	2938.2	2976.2
22.5°	2597.2	2612.9	2677.7	2787.3	2908.0	2994.1	3009.8	3041.1	3027.7	3021.0	3045.6
25°	2716.8	2738.1	2801.8	2921.4	3044.4	3150.6	3162.9	3189.8	3167.4	3132.8	3131.6
27.5°	2865.5	2884.6	2950.5	3073.5	3195.4	3306.1	3329.5	3365.3	3316.1	3273.6	3243.4
30°	3042.2	3054.5	3127.2	3258.0	3383.2	3488.3	3518.5	3554.3	3517.4	3446.9	3416.7
32.5°	3247.9	3264.7	3348.5	3486.1	3597.9	3703.0	3733.1	3777.9	3737.6	3658.2	3620.2
35°	3495.0	3511.8	3600.1	3749.9	3864.0	3972.4	3993.7	4030.5	3980.2	3888.6	3858.4
37.5°	3763.3	3784.6	3896.4	4038.4	4158.0	4284.3	4285.5	4296.6	4225.1	4111.0	4077.5
40°	4065.2	4093.2	4205.0	4352.5	4496.8	4599.6	4598.5	4567.2	4446.5	4269.8	4218.4
42.5°	4363.7	4386.1	4499.0	4651.1	4795.3	4892.6	4863.5	4787.5	4613.1	4372.7	4304.5
45°	4579.5	4596.3	4714.8	4885.9	5032.3	5092.7	5040.1	4948.5	4712.6	4437.5	4336.9
47.5°	4681.3	4703.6	4823.2	4993.2	5158.7	5193.3	5130.7	5044.6	4770.7	4497.9	4362.6
50°	4626.5	4655.5	4790.8	4948.5	5135.2	5206.7	5162.0	5075.9	4832.2	4557.1	4408.4
52.5°	4484.5	4512.4	4683.5	4874.7	5086.0	5228.0	5226.9	5156.4	4902.6	4573.9	4410.7
55°	3999.2	4054.0	4320.1	4649.9	5025.6	5290.6	5317.4	5242.5	4913.8	4578.4	4434.2
57.5°	2602.8	2699.0	2951.6	3381.0	4134.5	4812.1	4993.2	5011.1	4833.3	4559.4	4438.6
60°	1086.7	1163.9	1364.0	1649.1	2271.9	3078.0	3429.0	3781.2	4206.1	4360.4	4397.3
62.5°	675.3	682.0	702.1	767.0	974.9	1368.5	1594.3	1924.2	2555.8	3093.6	3341.8
65°	609.3	612.7	617.2	612.7	622.8	670.8	731.2	846.4	1103.5	1370.7	1688.2
67.5°	536.7	541.1	544.5	541.1	544.5	546.7	553.4	563.5	610.5	648.5	677.5
70°	433.8	440.5	446.1	443.9	457.3	457.3	464.0	471.8	495.3	523.2	543.4
72.5°	330.9	325.4	332.1	334.3	346.6	353.3	363.4	372.3	399.1	415.9	441.6
75°	214.7	209.1	219.1	224.7	241.5	250.4	259.4	268.3	287.3	298.5	323.1
77.5°	116.3	115.2	125.2	133.0	150.9	162.1	168.8	175.5	191.2	194.5	210.2
80°	67.1	67.1	73.8	79.4	90.6	102.9	109.6	115.2	126.3	129.7	136.4
82.5°	36.9	36.9	40.2	43.6	52.5	59.3	64.8	69.3	79.4	82.7	86.1
85°	17.9	16.8	19.0	21.2	24.6	28.0	31.3	33.5	41.4	43.6	48.1
87.5°	2.2	2.2	2.2	3.4	4.5	6.7	7.8	7.8	12.3	14.5	16.8
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°	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5	2277.5
2.5°	2299.8	2285.3	2294.2	2297.6	2297.6	2294.2	2279.7	2275.2	2268.5	2258.4	2258.4
5°	2351.2	2340.1	2342.3	2336.7	2323.3	2306.5	2279.7	2266.3	2255.1	2242.8	2241.7
7.5°	2439.6	2425.0	2422.8	2401.6	2365.8	2330.0	2289.8	2265.2	2248.4	2232.7	2231.6
10°	2554.7	2541.3	2524.5	2482.1	2429.5	2377.0	2322.2	2288.6	2264.0	2241.7	2240.6
12.5°	2683.3	2667.7	2636.3	2573.7	2507.8	2456.3	2393.7	2342.3	2305.4	2275.2	2269.6
15°	2823.1	2800.7	2747.0	2673.2	2608.4	2553.6	2486.5	2412.7	2356.8	2308.8	2303.2
17.5°	2930.4	2901.3	2843.2	2773.9	2720.2	2665.4	2578.2	2485.4	2404.9	2344.5	2335.6
20°	3004.2	2980.7	2914.7	2863.3	2832.0	2783.9	2682.2	2577.1	2486.5	2410.5	2406.0
22.5°	3072.4	3044.4	2979.6	2949.4	2949.4	2917.0	2819.7	2695.6	2589.4	2501.1	2489.9
25°	3149.5	3119.3	3070.1	3066.8	3082.4	3067.9	2950.5	2817.5	2693.4	2593.9	2576.0
27.5°	3256.9	3223.3	3194.3	3214.4	3236.7	3221.1	3090.3	2936.0	2805.2	2704.5	2688.9
30°	3427.9	3386.6	3359.7	3384.3	3427.9	3382.1	3240.1	3076.9	2944.9	2834.2	2826.4
32.5°	3626.9	3580.0	3552.0	3591.2	3630.3	3558.7	3417.9	3261.3	3122.7	3006.4	2993.0
35°	3866.2	3806.9	3765.6	3818.1	3858.4	3787.9	3648.2	3499.5	3345.2	3224.4	3206.6
37.5°	4078.6	4007.1	3979.1	4052.9	4106.6	4060.7	3908.7	3768.9	3600.1	3468.2	3460.3
40°	4232.9	4162.5	4142.4	4264.2	4358.1	4347.0	4210.6	4050.7	3891.9	3739.9	3725.3
42.5°	4300.0	4250.8	4255.3	4419.6	4565.0	4636.5	4514.7	4343.6	4190.4	4032.8	4022.7
45°	4314.5	4284.3	4320.1	4525.8	4717.0	4863.5	4759.5	4616.4	4443.1	4291.1	4286.6
47.5°	4330.2	4313.4	4368.2	4586.2	4813.2	4983.1	4925.0	4777.4	4601.9	4453.2	4442.0
50°	4367.1	4360.4	4421.9	4628.7	4859.0	5015.5	4949.6	4803.1	4623.1	4476.6	4449.8
52.5°	4378.3	4367.1	4455.4	4694.7	4935.0	5014.4	4872.4	4681.3	4500.1	4336.9	4308.9
55°	4412.9	4392.8	4453.2	4719.3	5040.1	5079.3	4868.0	4581.7	4329.1	4106.6	4040.6
57.5°	4421.9	4399.5	4438.6	4679.0	4926.1	4891.4	4278.8	3697.4	3221.1	2974.0	3001.9
60°	4373.8	4380.5	4313.4	4286.6	3951.2	3488.3	2619.6	2094.1	1644.6	1454.6	1495.9
62.5°	3329.5	3357.5	3128.3	2720.2	2091.9	1658.1	1096.8	851.9	721.1	687.6	693.2
65°	1680.4	1718.4	1480.3	1224.3	910.1	735.7	636.2	616.0	609.3	601.5	601.5
67.5°	665.2	676.4	667.5	625.0	581.4	565.7	561.3	559.0	551.2	546.7	547.8
70°	534.4	543.4	530.0	503.1	485.2	484.1	481.9	477.4	471.8	471.8	475.2
72.5°	436.0	445.0	426.0	409.2	395.8	385.7	380.1	376.8	369.0	369.0	372.3
75°	320.9	326.5	310.8	308.6	294.0	284.0	275.0	270.6	260.5	256.0	259.4
77.5°	213.5	212.4	204.6	204.6	199.0	186.7	176.7	166.6	153.2	144.2	146.5
80°	138.6	138.6	135.3	135.3	129.7	119.6	107.3	97.3	89.4	82.7	82.7
82.5°	88.3	87.2	86.1	85.0	82.7	72.7	63.7	57.0	51.4	47.0	48.1
85°	49.2	49.2	47.0	47.0	42.5	36.9	32.4	28.0	24.6	23.5	23.5
87.5°	16.8	16.8	15.7	15.7	13.4	10.1	7.8	6.7	5.6	4.5	5.6
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)