

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: P634727

Luminaire Tested: GWS-SA3C-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634727  
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-SA3C-735-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12128.5 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 93  
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

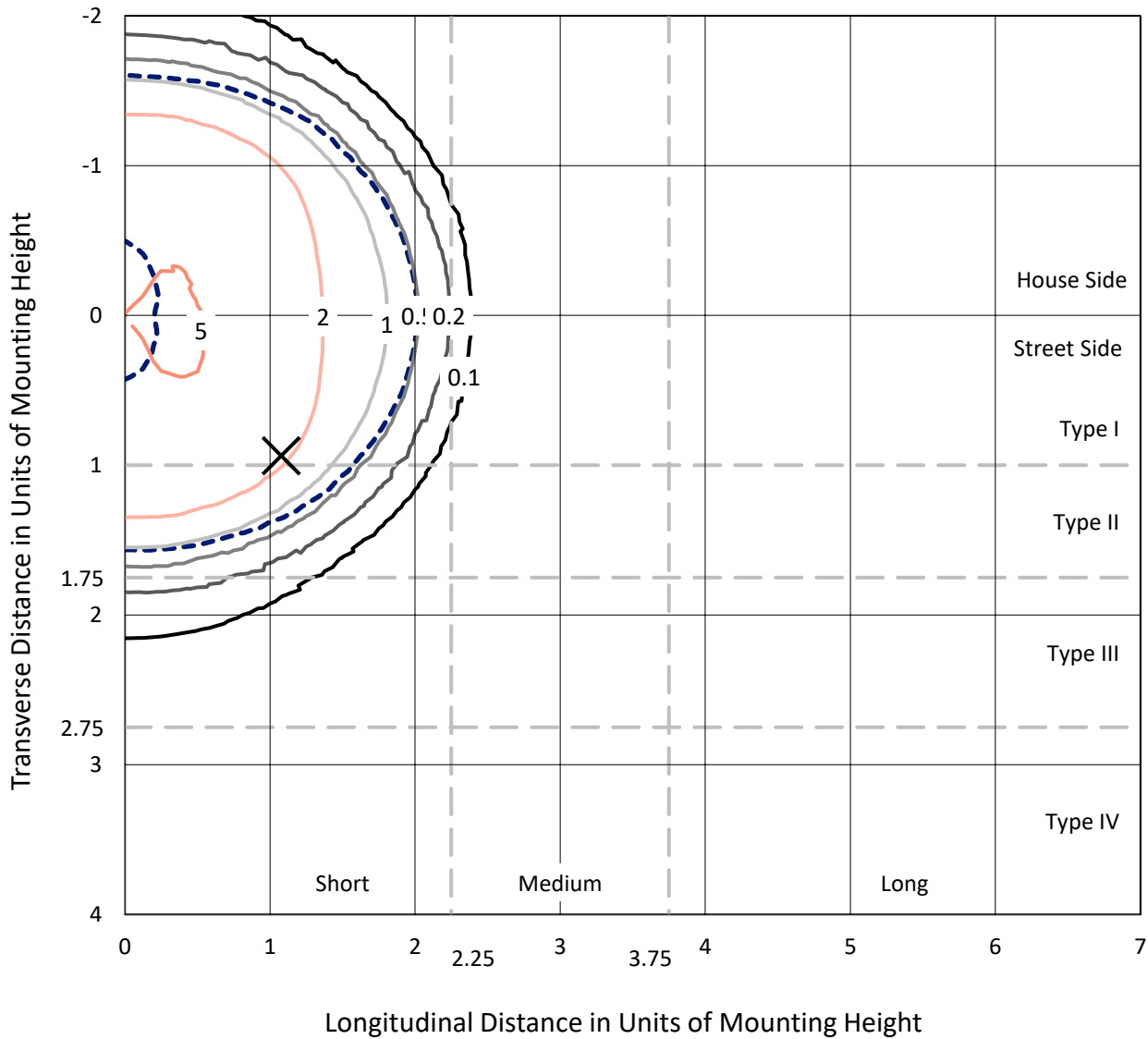


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

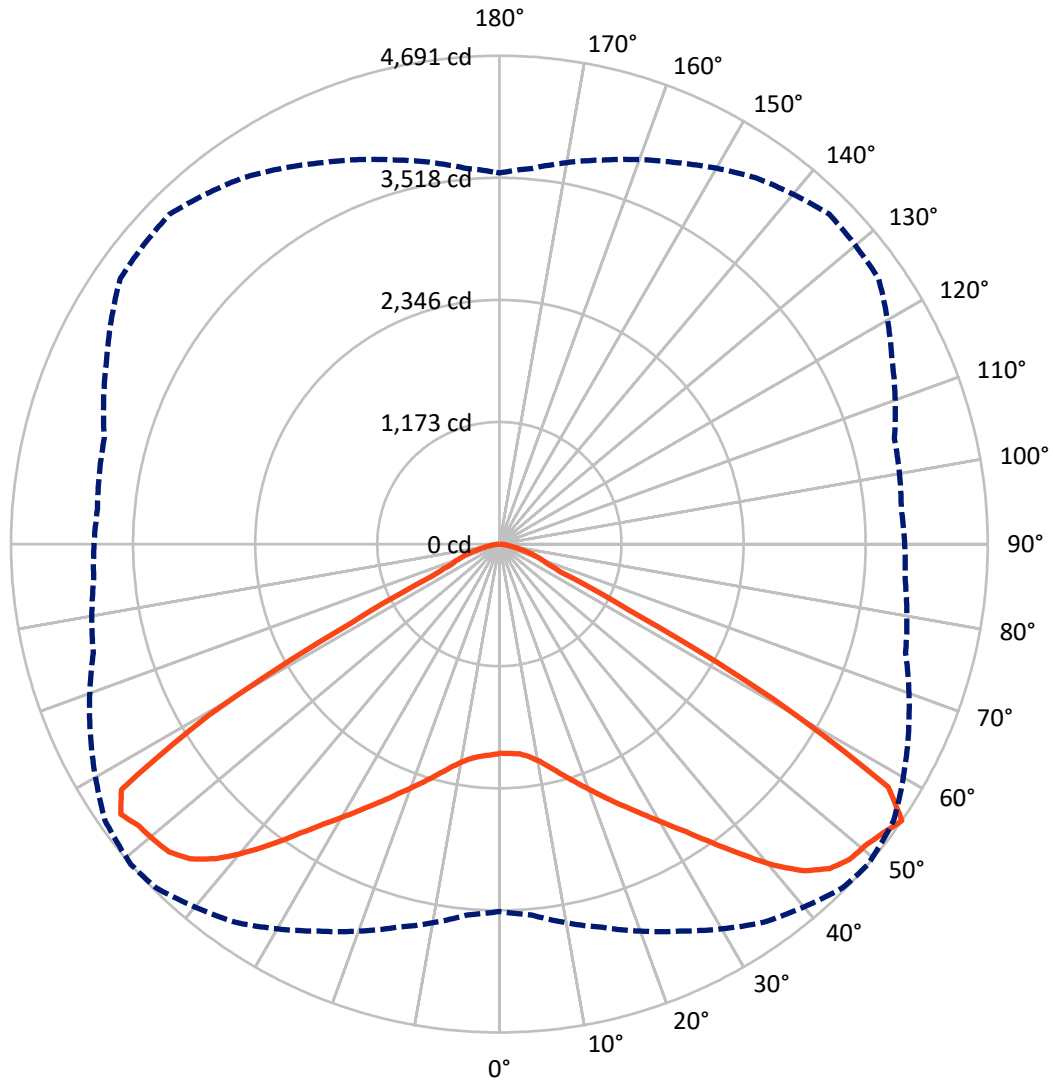


Based on 20 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - N/A

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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	6004.7	0.0	6004.7
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	6123.7	0.0	6123.7
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	12128.5	0.0	12128.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.0	1.6
10°-20°	646.5	5.3
20°-30°	1231.3	10.2
30°-40°	2087.4	17.2
40°-50°	3141.4	25.9
50°-60°	3438.5	28.4
60°-70°	1087.3	9.0
70°-80°	260.9	2.2
80°-90°	39.2	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°	12128.5	100.0
0°-180°	12128.5	100.0

**Coefficient of Utilization**



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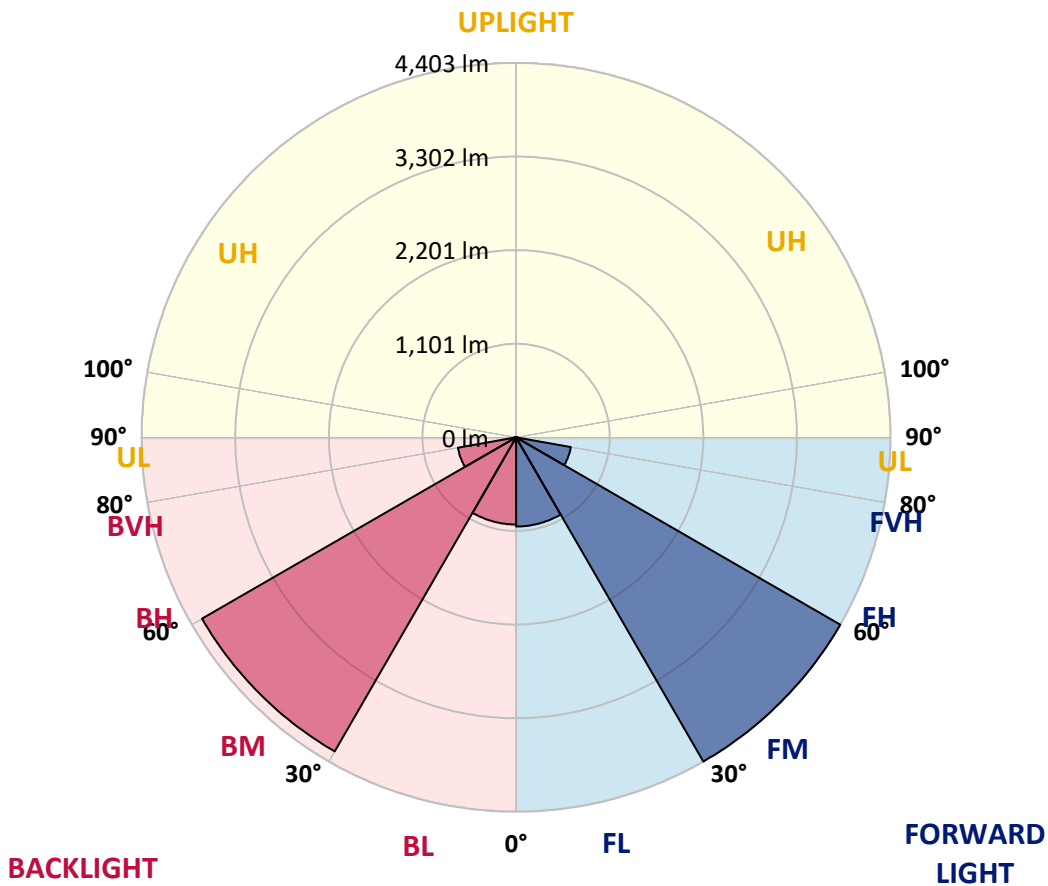
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1048.6	8.6			
FM (30°-60°)	4403.0	36.3			
FH (60°-80°)	654.0	5.4			G0/660
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	1025.2	8.5	B3/2500		
BM (30°-60°)	4264.3	35.2	B3/5000		
BH (60°-80°)	694.2	5.7	B2/1000		G1/1800
BVH (80°-90°)	21.0	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2
2.5°	1979.6	1981.5	1985.5	1992.4	1999.3	2009.2	2013.1	2018.0	2017.1	2023.0	2023.0
5°	1969.7	1972.7	1978.6	1988.4	2000.3	2019.0	2024.0	2035.8	2047.6	2062.4	2067.4
7.5°	1981.5	1985.5	1992.4	2008.2	2025.9	2050.6	2060.4	2080.2	2102.9	2129.5	2140.3
10°	2004.2	2009.2	2021.0	2046.6	2075.2	2112.7	2121.6	2146.3	2182.8	2219.2	2240.9
12.5°	2029.9	2037.8	2059.5	2099.9	2142.3	2191.6	2205.4	2236.0	2275.5	2322.8	2352.4
15°	2059.5	2066.4	2099.9	2157.1	2223.2	2288.3	2304.1	2333.7	2378.0	2424.4	2465.8
17.5°	2121.6	2133.4	2172.9	2239.0	2315.9	2392.8	2410.6	2444.1	2479.6	2516.1	2555.6
20°	2206.4	2216.3	2266.6	2348.5	2439.2	2509.2	2527.0	2556.6	2573.3	2592.1	2625.6
22.5°	2291.3	2305.1	2362.3	2458.9	2565.5	2641.4	2655.2	2682.8	2671.0	2665.1	2686.8
25°	2396.8	2415.5	2471.7	2577.3	2685.8	2779.5	2790.3	2814.0	2794.3	2763.7	2762.7
27.5°	2528.0	2544.7	2602.9	2711.4	2818.9	2916.6	2937.3	2968.9	2925.5	2888.0	2861.4
30°	2683.8	2694.7	2758.8	2874.2	2984.6	3077.4	3104.0	3135.6	3103.0	3040.9	3014.2
32.5°	2865.3	2880.1	2954.1	3075.4	3174.0	3266.7	3293.4	3332.8	3297.3	3227.3	3193.7
35°	3083.3	3098.1	3176.0	3308.2	3408.8	3504.4	3523.2	3555.7	3511.3	3430.5	3403.8
37.5°	3320.0	3338.7	3437.4	3562.6	3668.2	3779.6	3780.6	3790.5	3727.4	3626.7	3597.2
40°	3586.3	3611.0	3709.6	3839.8	3967.0	4057.8	4056.8	4029.2	3922.6	3766.8	3721.4
42.5°	3849.7	3869.4	3969.0	4103.1	4230.4	4316.2	4290.5	4223.5	4069.6	3857.5	3797.4
45°	4040.0	4054.8	4159.4	4310.3	4439.5	4492.7	4446.4	4365.5	4157.4	3914.8	3826.0
47.5°	4129.8	4149.5	4255.0	4405.0	4550.9	4581.5	4526.3	4450.3	4208.7	3968.0	3848.7
50°	4081.4	4107.1	4226.4	4365.5	4530.2	4593.4	4553.9	4478.0	4262.9	4020.3	3889.1
52.5°	3956.2	3980.8	4131.7	4300.4	4486.8	4612.1	4611.1	4549.0	4325.1	4035.1	3891.1
55°	3528.1	3576.4	3811.2	4102.2	4433.6	4667.3	4691.0	4624.9	4334.9	4039.0	3911.8
57.5°	2296.2	2381.0	2603.9	2982.7	3647.5	4245.2	4405.0	4420.7	4263.9	4022.3	3915.7
60°	958.7	1026.8	1203.3	1454.8	2004.2	2715.4	3025.1	3335.8	3710.6	3846.7	3879.2
62.5°	595.7	601.7	619.4	676.6	860.1	1207.3	1406.5	1697.5	2254.8	2729.2	2948.1
65°	537.6	540.5	544.5	540.5	549.4	591.8	645.1	746.7	973.5	1209.2	1489.4
67.5°	473.4	477.4	480.3	477.4	480.3	482.3	488.2	497.1	538.5	572.1	597.7
70°	382.7	388.6	393.5	391.6	403.4	403.4	409.3	416.2	436.9	461.6	479.4
72.5°	292.0	287.0	292.9	294.9	305.8	311.7	320.6	328.4	352.1	366.9	389.6
75°	189.4	184.4	193.3	198.3	213.0	220.9	228.8	236.7	253.5	263.4	285.1
77.5°	102.6	101.6	110.5	117.4	133.2	143.0	148.9	154.9	168.7	171.6	185.4
80°	59.2	59.2	65.1	70.0	79.9	90.7	96.7	101.6	111.5	114.4	120.3
82.5°	32.5	32.5	35.5	38.5	46.4	52.3	57.2	61.2	70.0	73.0	75.9
85°	15.8	14.8	16.8	18.7	21.7	24.7	27.6	29.6	36.5	38.5	42.4
87.5°	2.0	2.0	2.0	3.0	3.9	5.9	6.9	6.9	10.8	12.8	14.8
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°	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2	2009.2
2.5°	2028.9	2016.1	2024.0	2026.9	2026.9	2024.0	2011.1	2007.2	2001.3	1992.4	1992.4
5°	2074.3	2064.4	2066.4	2061.4	2049.6	2034.8	2011.1	1999.3	1989.4	1978.6	1977.6
7.5°	2152.2	2139.4	2137.4	2118.6	2087.1	2055.5	2020.0	1998.3	1983.5	1969.7	1968.7
10°	2253.8	2241.9	2227.1	2189.7	2143.3	2096.9	2048.6	2019.0	1997.3	1977.6	1976.6
12.5°	2367.2	2353.4	2325.8	2270.5	2212.3	2167.0	2111.7	2066.4	2033.8	2007.2	2002.3
15°	2490.5	2470.8	2423.4	2358.3	2301.1	2252.8	2193.6	2128.5	2079.2	2036.8	2031.8
17.5°	2585.2	2559.5	2508.2	2447.1	2399.7	2351.4	2274.5	2192.6	2121.6	2068.3	2060.4
20°	2650.3	2629.6	2571.4	2526.0	2498.4	2456.0	2366.2	2273.5	2193.6	2126.5	2122.6
22.5°	2710.4	2685.8	2628.6	2601.9	2601.9	2573.3	2487.5	2378.0	2284.3	2206.4	2196.6
25°	2778.5	2751.9	2708.5	2705.5	2719.3	2706.5	2602.9	2485.6	2376.1	2288.3	2272.5
27.5°	2873.2	2843.6	2818.0	2835.7	2855.4	2841.6	2726.2	2590.1	2474.7	2385.9	2372.1
30°	3024.1	2987.6	2963.9	2985.6	3024.1	2983.7	2858.4	2714.4	2598.0	2500.4	2493.4
32.5°	3199.7	3158.2	3133.6	3168.1	3202.6	3139.5	3015.2	2877.1	2754.8	2652.2	2640.4
35°	3410.7	3358.5	3322.0	3368.3	3403.8	3341.7	3218.4	3087.2	2951.1	2844.6	2828.8
37.5°	3598.1	3535.0	3510.4	3575.5	3622.8	3582.4	3448.2	3324.9	3176.0	3059.6	3052.7
40°	3734.3	3672.1	3654.4	3761.9	3844.7	3834.9	3714.5	3573.5	3433.4	3299.3	3286.5
42.5°	3793.4	3750.0	3754.0	3899.0	4027.2	4090.3	3982.8	3831.9	3696.8	3557.7	3548.8
45°	3806.3	3779.6	3811.2	3992.7	4161.3	4290.5	4198.8	4072.6	3919.7	3785.5	3781.6
47.5°	3820.1	3805.3	3853.6	4045.9	4246.2	4396.1	4344.8	4214.6	4059.7	3928.6	3918.7
50°	3852.6	3846.7	3900.9	4083.4	4286.6	4424.7	4366.5	4237.3	4078.5	3949.3	3925.6
52.5°	3862.5	3852.6	3930.5	4141.6	4353.7	4423.7	4298.4	4129.8	3970.0	3826.0	3801.3
55°	3893.1	3875.3	3928.6	4163.3	4446.4	4480.9	4294.5	4042.0	3819.1	3622.8	3564.6
57.5°	3900.9	3881.2	3915.7	4127.8	4345.8	4315.2	3774.7	3261.8	2841.6	2623.6	2648.3
60°	3858.5	3864.5	3805.3	3781.6	3485.7	3077.4	2311.0	1847.4	1450.9	1283.2	1319.7
62.5°	2937.3	2962.0	2759.8	2399.7	1845.4	1462.7	967.6	751.6	636.2	606.6	611.5
65°	1482.5	1516.0	1305.9	1080.0	802.9	649.0	561.2	543.5	537.6	530.6	530.6
67.5°	586.9	596.7	588.8	551.4	512.9	499.1	495.1	493.2	486.3	482.3	483.3
70°	471.5	479.4	467.5	443.8	428.1	427.1	425.1	421.2	416.2	416.2	419.2
72.5°	384.7	392.6	375.8	361.0	349.2	340.3	335.4	332.4	325.5	325.5	328.4
75°	283.1	288.0	274.2	272.2	259.4	250.5	242.6	238.7	229.8	225.9	228.8
77.5°	188.4	187.4	180.5	180.5	175.6	164.7	155.8	147.0	135.1	127.2	129.2
80°	122.3	122.3	119.3	119.3	114.4	105.5	94.7	85.8	78.9	73.0	73.0
82.5°	77.9	76.9	75.9	75.0	73.0	64.1	56.2	50.3	45.4	41.4	42.4
85°	43.4	43.4	41.4	41.4	37.5	32.5	28.6	24.7	21.7	20.7	20.7
87.5°	14.8	14.8	13.8	13.8	11.8	8.9	6.9	5.9	4.9	3.9	4.9
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)