

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: P639882

Luminaire Tested: GWS-SA5C-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23818.5 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

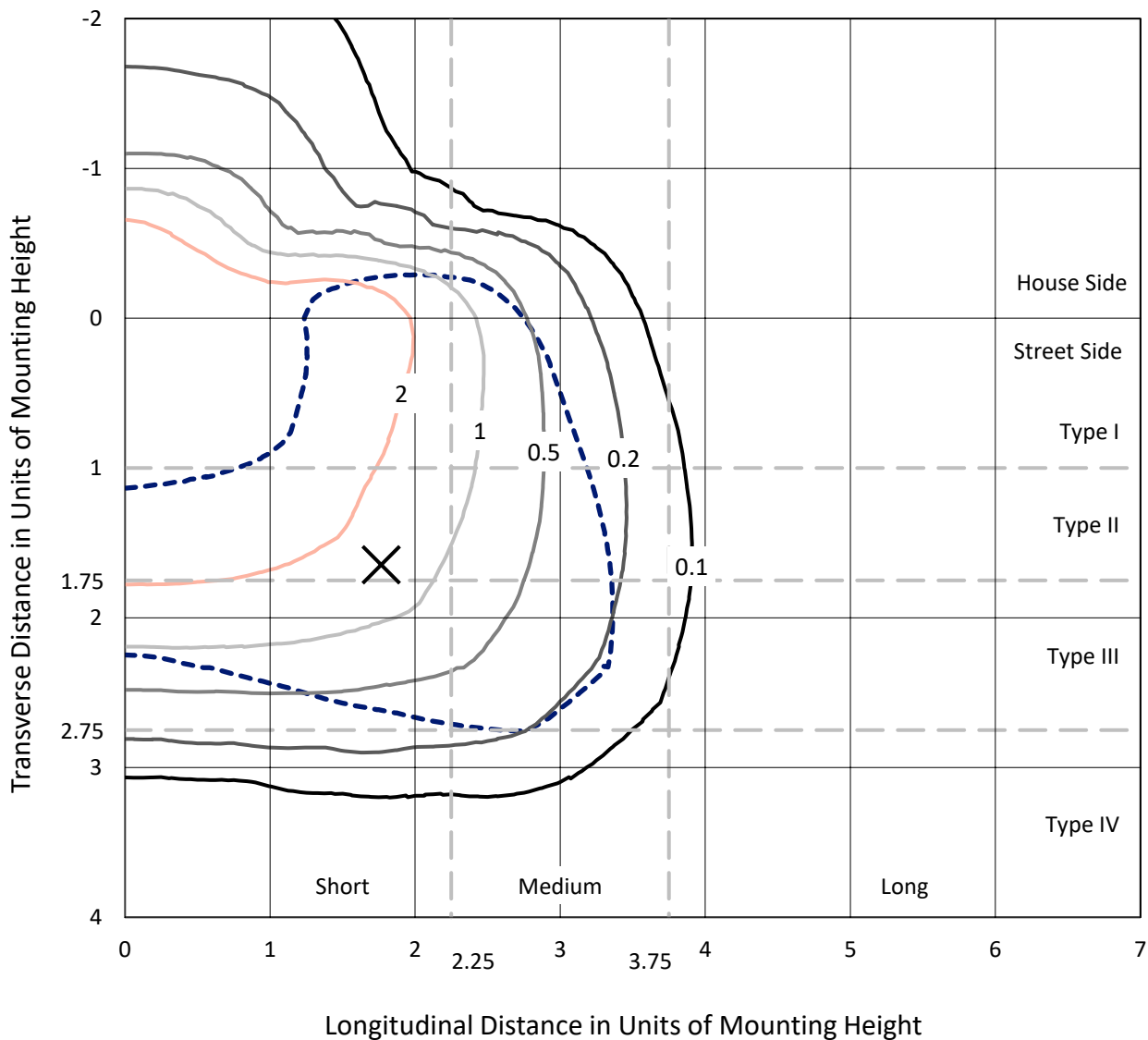
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

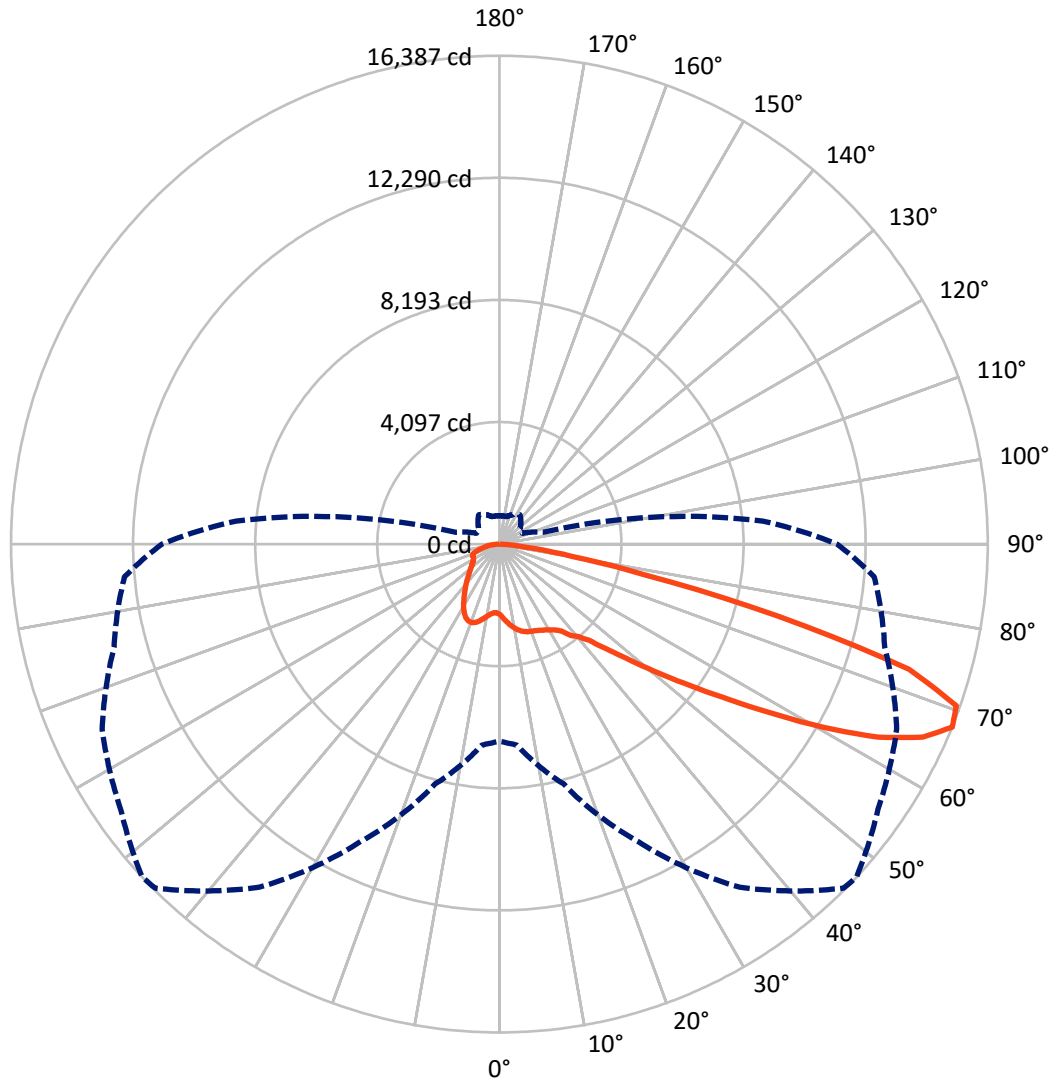
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5428.4	0.0	5428.4
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	18390.1	0.0	18390.1
	% Fixture	77.2	0.0	77.2
Total	Lumens	23818.5	0.0	23818.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	1.0
10°-20°	804.0	3.4
20°-30°	1366.5	5.7
30°-40°	2001.8	8.4
40°-50°	3050.0	12.8
50°-60°	5457.1	22.9
60°-70°	7282.0	30.6
70°-80°	3293.1	13.8
80°-90°	322.6	1.4
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°	23818.5	100.0
0°-180°	23818.5	100.0

Coefficient of Utilization



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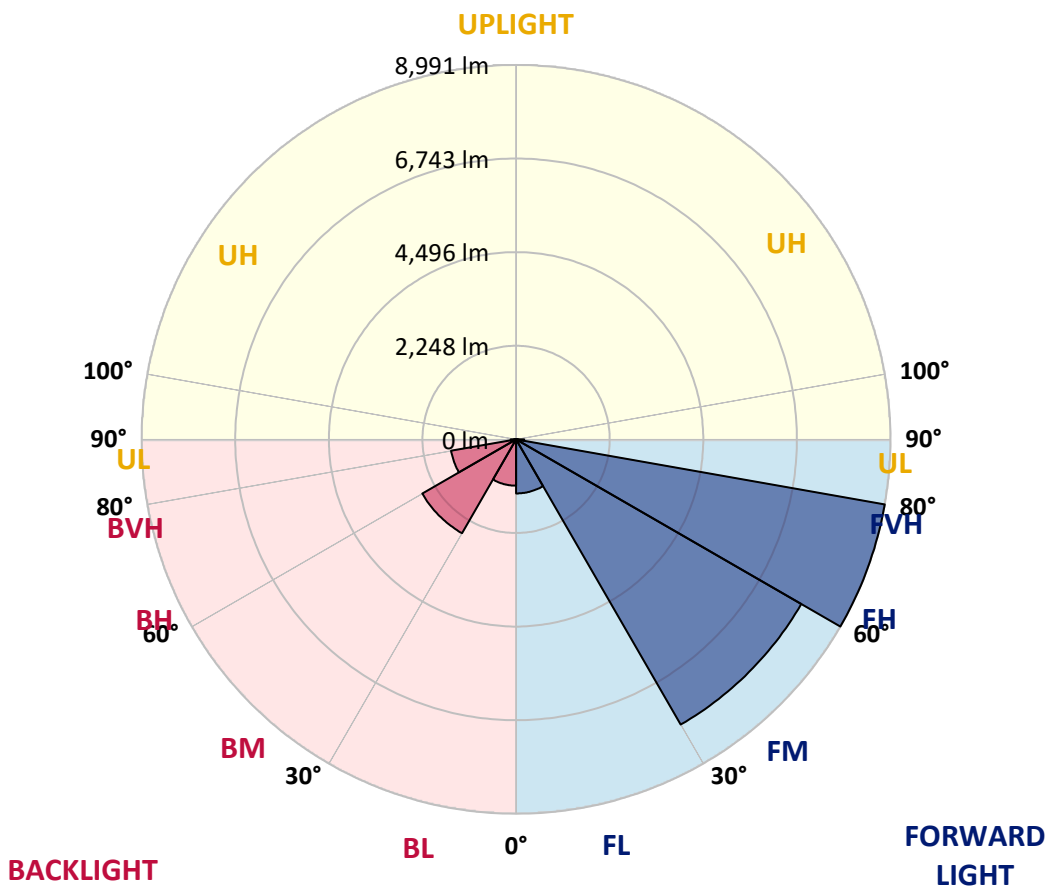
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1299.0	5.5			
FM (30°-60°)	7908.0	33.2			
FH (60°-80°)	8991.2	37.7			G4/12000
FVH (80°-90°)	191.9	0.8			G2/225
BL (0°-30°)	1112.8	4.7	B3/2500		
BM (30°-60°)	2601.0	10.9	B3/5000		
BH (60°-80°)	1583.8	6.6	B3/2500		G3/2500
BVH (80°-90°)	130.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2
2.5°	2517.9	2526.5	2524.8	2511.0	2502.4	2486.9	2488.6	2464.5	2428.3	2404.2	2376.7
5°	2740.1	2753.8	2736.6	2714.2	2679.8	2629.8	2624.7	2569.6	2500.7	2452.4	2402.5
7.5°	2932.9	2941.6	2920.9	2883.0	2833.1	2765.9	2753.8	2688.4	2602.3	2526.5	2454.2
10°	3082.8	3093.1	3065.6	3015.6	2950.2	2883.0	2874.4	2807.2	2715.9	2626.4	2535.1
12.5°	3210.2	3213.7	3184.4	3117.2	3046.6	2977.7	2969.1	2907.1	2822.7	2731.4	2631.6
15°	3284.3	3286.0	3249.8	3175.8	3108.6	3048.3	3043.2	2989.8	2912.3	2826.2	2719.4
17.5°	3279.1	3282.6	3256.7	3191.3	3132.7	3096.6	3091.4	3056.9	2996.7	2919.2	2812.4
20°	3215.4	3218.8	3201.6	3158.6	3127.6	3117.2	3118.9	3108.6	3072.4	3008.7	2900.2
22.5°	3165.4	3170.6	3155.1	3124.1	3120.7	3144.8	3149.9	3155.1	3137.9	3081.1	2976.0
25°	3189.6	3198.2	3174.1	3131.0	3137.9	3191.3	3201.6	3218.8	3205.1	3156.8	3065.6
27.5°	3356.6	3361.8	3299.8	3211.9	3191.3	3248.1	3263.6	3291.2	3280.8	3236.1	3165.4
30°	3744.1	3740.7	3608.1	3392.8	3306.7	3329.1	3341.1	3380.7	3384.2	3354.9	3287.7
32.5°	4290.1	4272.8	4067.9	3725.2	3475.4	3420.3	3434.1	3487.5	3527.1	3496.1	3404.8
35°	4867.0	4851.5	4625.9	4224.6	3787.2	3596.0	3580.5	3621.8	3682.1	3596.0	3465.1
37.5°	5416.4	5392.3	5161.5	4665.5	4171.2	3904.3	3881.9	3840.6	3804.4	3639.1	3539.2
40°	6026.1	5998.5	5797.0	5235.6	4594.9	4140.2	4083.4	3919.8	3887.1	3782.0	3732.1
42.5°	6677.1	6677.1	6510.0	5957.2	5106.4	4477.8	4403.7	4157.4	4191.9	4123.0	4064.4
45°	7328.1	7347.0	7214.4	6683.9	5790.1	5115.0	4996.2	4646.6	4729.2	4698.2	4668.9
47.5°	7882.6	7918.8	7892.9	7426.2	6627.1	5890.0	5709.2	5345.8	5523.2	5597.2	5679.9
50°	8480.2	8519.8	8494.0	8309.7	7607.1	6828.6	6666.7	6291.3	6596.1	6818.3	7088.7
52.5°	9367.2	9424.0	9208.7	9138.1	8797.1	7894.7	7750.0	7322.9	7875.7	8244.3	8847.1
55°	10116.3	10114.6	10038.8	10200.7	10075.0	9198.4	9038.2	8650.7	9356.8	9747.8	10629.6
57.5°	10464.2	10505.6	10765.6	11223.7	11475.2	10791.4	10638.2	10242.1	10946.4	11149.7	12102.1
60°	10643.3	10695.0	11197.9	12103.8	12780.6	12530.9	12470.6	11966.0	12362.1	12338.0	13343.8
62.5°	10391.9	10495.2	11302.9	12506.8	13712.3	14278.9	14260.0	13497.1	13565.9	13330.0	14113.6
65°	9238.0	9349.9	10617.5	12305.3	14244.5	15608.5	15613.7	14883.4	14490.8	13812.2	13984.4
67.5°	6606.4	6766.6	8333.8	11010.2	14056.8	16326.7	16386.9	15512.1	14707.8	13385.1	12627.3
70°	3601.2	3718.3	4946.2	8003.2	12365.6	16154.4	16266.4	15208.9	13750.2	11578.5	9720.2
72.5°	1636.1	1674.0	2300.9	4391.7	8447.5	13905.2	14373.7	13572.8	11292.6	8552.6	6181.1
75°	749.2	766.4	1002.3	2101.1	4414.1	9305.2	9634.1	10109.4	7858.5	5400.9	3222.3
77.5°	470.2	475.3	570.1	961.0	2201.0	4644.8	4991.0	6019.2	4601.8	2672.9	1346.8
80°	277.3	282.4	354.8	520.1	1033.3	2125.2	2454.2	2380.1	2163.1	1153.9	613.1
82.5°	139.5	144.7	204.9	296.2	563.2	845.6	995.4	1000.6	806.0	625.2	346.2
85°	49.9	51.7	67.2	117.1	239.4	279.0	311.7	380.6	394.4	363.4	167.1
87.5°	0.0	0.0	1.7	3.4	6.9	27.6	29.3	55.1	115.4	129.2	67.2
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°	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2	2361.2
2.5°	2368.1	2342.2	2333.6	2325.0	2311.2	2306.1	2295.7	2285.4	2285.4	2275.1	2269.9
5°	2380.1	2345.7	2323.3	2312.9	2304.3	2309.5	2309.5	2312.9	2325.0	2318.1	2321.6
7.5°	2423.2	2383.6	2352.6	2343.9	2343.9	2364.6	2378.4	2395.6	2418.0	2421.4	2421.4
10°	2498.9	2452.4	2419.7	2414.6	2423.2	2452.4	2473.1	2493.8	2521.3	2523.1	2526.5
12.5°	2581.6	2535.1	2502.4	2509.3	2517.9	2555.8	2578.2	2595.4	2622.9	2622.9	2621.2
15°	2667.7	2616.1	2588.5	2602.3	2628.1	2671.2	2674.6	2676.3	2690.1	2686.7	2684.9
17.5°	2757.3	2702.2	2681.5	2702.2	2729.7	2750.4	2733.2	2709.1	2703.9	2697.0	2693.6
20°	2845.1	2788.3	2779.7	2795.2	2803.8	2786.6	2733.2	2688.4	2667.7	2657.4	2653.9
22.5°	2920.9	2872.7	2867.5	2867.5	2824.4	2764.2	2684.9	2624.7	2597.1	2583.3	2579.9
25°	3010.4	2965.7	2957.1	2910.6	2800.3	2690.1	2583.3	2528.2	2505.8	2498.9	2500.7
27.5°	3115.5	3084.5	3056.9	2924.3	2731.4	2559.2	2438.7	2414.6	2405.9	2414.6	2419.7
30°	3244.7	3213.7	3151.7	2907.1	2621.2	2388.7	2273.3	2271.6	2297.4	2319.8	2323.3
32.5°	3349.7	3335.9	3234.3	2852.0	2466.2	2201.0	2102.8	2109.7	2156.2	2187.2	2192.4
35°	3432.4	3454.8	3303.2	2760.7	2281.9	2023.6	1946.1	1949.6	1975.4	2018.4	2020.2
37.5°	3549.5	3625.3	3365.2	2621.2	2070.1	1870.3	1799.7	1773.9	1770.4	1782.5	1785.9
40°	3785.4	3899.1	3410.0	2418.0	1865.2	1732.6	1653.3	1603.4	1560.3	1527.6	1517.3
42.5°	4141.9	4272.8	3435.8	2171.7	1682.6	1596.5	1506.9	1443.2	1367.4	1298.6	1274.4
45°	4796.4	4839.4	3435.8	1909.9	1520.7	1469.1	1379.5	1303.7	1207.3	1126.3	1109.1
47.5°	5843.5	5705.7	3439.3	1656.8	1377.8	1357.1	1279.6	1193.5	1086.7	1019.6	1009.2
50°	7421.1	6937.1	3509.9	1446.7	1258.9	1262.4	1205.6	1110.8	1014.4	964.4	955.8
52.5°	9208.7	8454.4	3699.3	1291.7	1159.1	1184.9	1153.9	1062.6	976.5	933.4	924.8
55°	10889.6	9849.4	3861.2	1181.4	1074.7	1119.4	1117.7	1033.3	955.8	912.8	907.6
57.5°	12319.1	10805.2	3837.1	1091.9	1002.3	1059.2	1085.0	1014.4	942.1	905.9	900.7
60°	13207.7	11311.6	3494.4	1009.2	947.2	1016.1	1066.1	1009.2	948.9	940.3	942.1
62.5°	13593.5	11218.6	2836.5	947.2	911.1	995.4	1086.7	1045.4	1012.7	1033.3	1045.4
65°	12994.2	10419.4	2087.3	900.7	876.6	1000.6	1134.9	1102.2	1012.7	1026.4	1031.6
67.5°	11330.5	8869.4	1508.7	854.2	833.6	1016.1	1203.8	1093.6	954.1	954.1	943.8
70°	8165.1	6379.1	1095.3	807.7	790.5	993.7	1207.3	1035.1	886.9	881.8	855.9
72.5°	4913.5	3763.1	854.2	756.1	725.1	881.8	1131.5	966.2	821.5	778.4	747.4
75°	2552.3	1885.8	716.4	699.2	621.7	747.4	1035.1	859.4	702.7	664.8	647.6
77.5°	1093.6	881.8	614.8	623.4	516.7	628.6	835.3	744.0	623.4	575.2	559.7
80°	539.1	501.2	485.7	499.4	413.3	485.7	719.9	651.0	528.7	473.6	451.2
82.5°	308.3	292.8	349.6	354.8	294.5	406.4	607.9	551.1	437.4	377.2	341.0
85°	142.9	153.3	211.8	213.6	182.6	279.0	397.8	310.0	232.5	192.9	184.3
87.5°	56.8	67.2	93.0	91.3	53.4	51.7	34.4	18.9	15.5	13.8	12.1
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)