

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: P635368

Luminaire Tested: GWS-SA3D-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18300.2 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

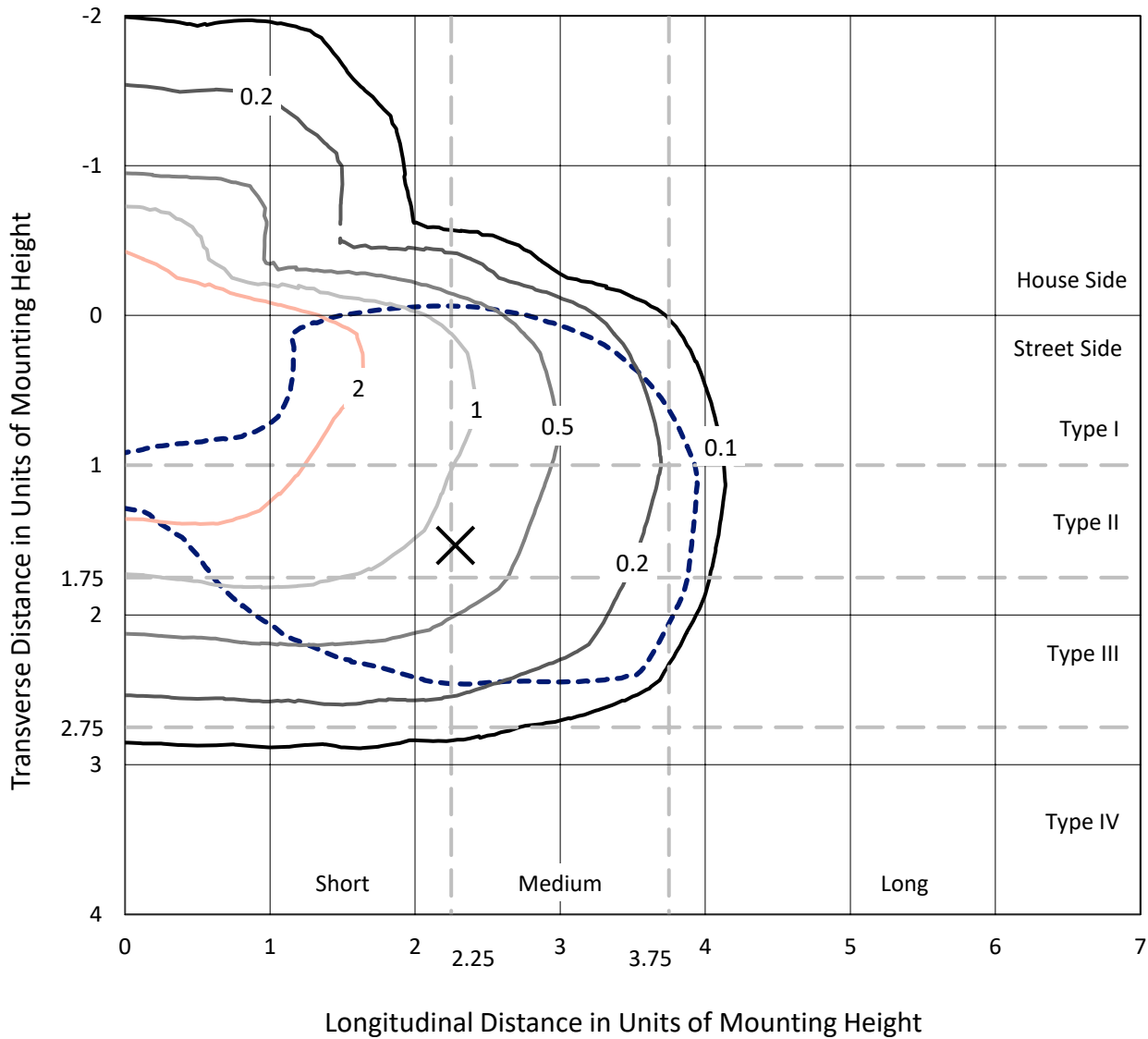
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

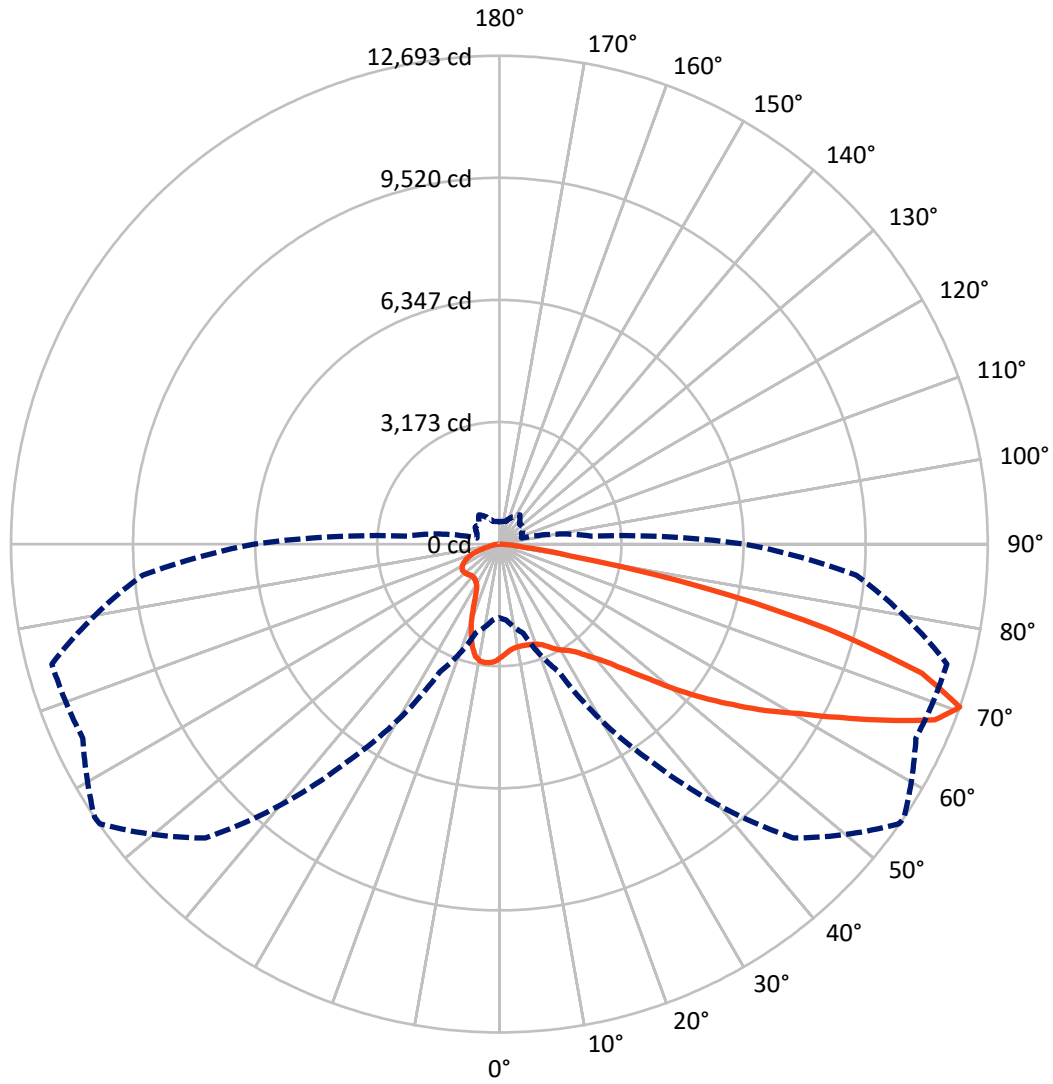
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3518.2	0.0	3518.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	14782.0	0.0	14782.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	18300.2	0.0	18300.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	1.5
10°-20°	740.7	4.0
20°-30°	1224.5	6.7
30°-40°	1830.8	10.0
40°-50°	2724.5	14.9
50°-60°	3873.4	21.2
60°-70°	4797.4	26.2
70°-80°	2649.0	14.5
80°-90°	186.6	1.0
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°	18300.2	100.0
0°-180°	18300.2	100.0

Coefficient of Utilization



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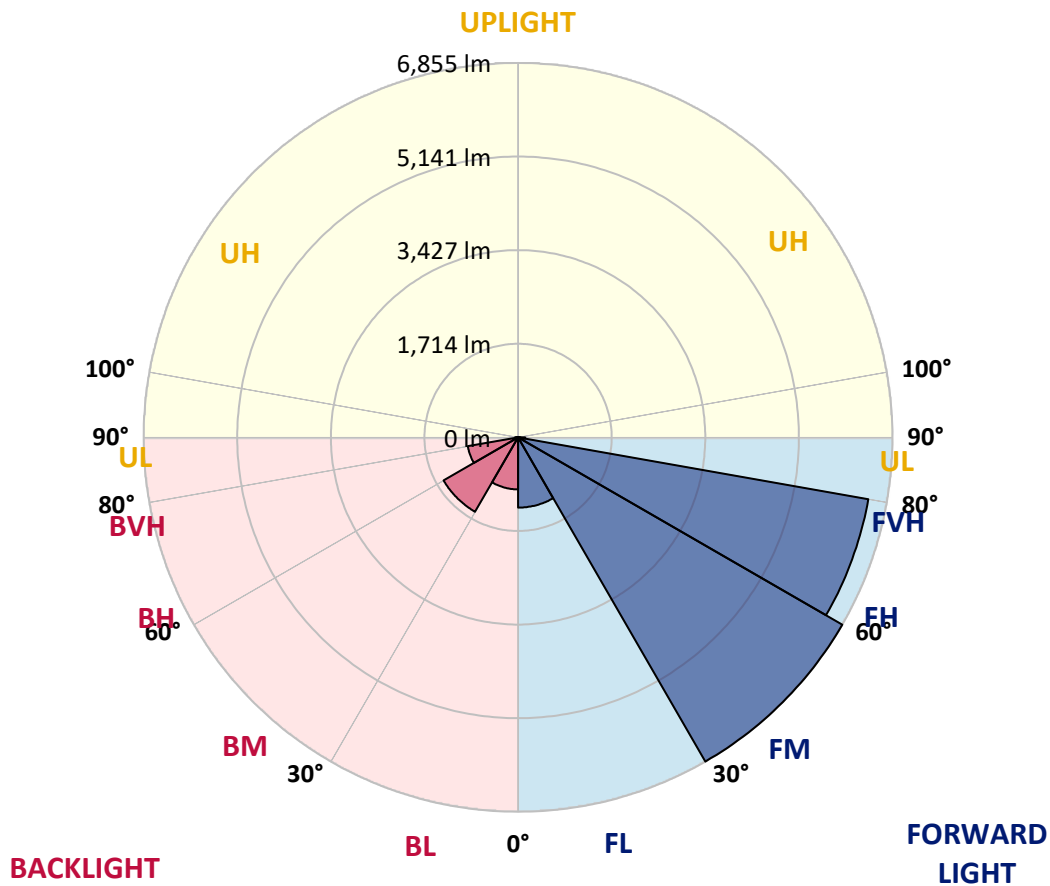
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1286.1	7.0			
FM (30°-60°)	6855.0	37.5			
FH (60°-80°)	6511.2	35.6			G3/7500
FVH (80°-90°)	129.6	0.7			G2/225
BL (0°-30°)	952.4	5.2	B2/1000		
BM (30°-60°)	1573.8	8.6	B2/2500		
BH (60°-80°)	935.1	5.1	B2/1000		G2/1000
BVH (80°-90°)	56.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9
2.5°	2764.2	2748.7	2766.8	2775.8	2799.1	2832.6	2862.3	2863.6	2879.1	2916.5	2952.6
5°	2639.1	2631.3	2636.5	2663.6	2688.1	2730.7	2775.8	2779.7	2823.6	2897.2	2969.4
7.5°	2542.3	2531.9	2551.3	2586.1	2617.1	2664.9	2724.2	2729.4	2791.3	2902.3	3013.3
10°	2402.9	2395.2	2431.3	2477.7	2544.8	2623.6	2702.3	2708.7	2790.0	2935.9	3090.7
12.5°	2342.2	2342.2	2357.7	2401.6	2475.2	2579.7	2698.4	2708.7	2810.7	2987.5	3190.1
15°	2436.4	2442.9	2430.0	2427.4	2457.1	2556.5	2703.6	2719.1	2849.4	3040.4	3288.2
17.5°	2626.1	2632.6	2599.0	2546.1	2516.5	2578.4	2722.9	2739.7	2890.7	3098.5	3394.0
20°	2892.0	2899.7	2826.2	2744.9	2642.9	2641.6	2760.4	2775.8	2943.6	3161.7	3506.3
22.5°	3203.0	3208.2	3115.2	2986.2	2830.0	2759.1	2824.9	2840.4	3012.0	3249.5	3627.6
25°	3563.0	3578.5	3466.3	3279.1	3067.5	2920.4	2932.0	2950.1	3134.6	3366.9	3770.8
27.5°	3947.6	3967.0	3837.9	3631.4	3339.8	3098.5	3070.1	3085.6	3264.9	3439.2	3847.0
30°	4341.2	4355.4	4226.4	3990.2	3632.7	3299.8	3186.2	3195.3	3321.7	3474.0	3924.4
32.5°	4778.7	4767.1	4643.2	4370.9	3970.8	3541.1	3294.6	3292.0	3385.0	3543.7	4035.4
35°	5189.1	5205.8	5074.2	4773.5	4342.5	3839.2	3457.2	3446.9	3519.2	3657.3	4191.5
37.5°	5685.9	5680.7	5523.3	5198.1	4715.5	4124.4	3685.6	3667.6	3693.4	3834.0	4409.6
40°	6040.8	6076.9	5975.0	5671.7	5151.6	4475.4	3952.8	3912.8	3919.2	4052.1	4701.3
42.5°	6331.1	6364.7	6375.0	6181.5	5651.1	4909.0	4285.7	4245.7	4249.6	4438.0	5060.0
45°	6554.4	6599.6	6745.4	6688.6	6213.7	5409.7	4736.1	4694.8	4697.4	4906.4	5493.6
47.5°	6646.0	6695.1	6990.6	7126.1	6811.2	6008.5	5296.2	5235.5	5244.6	5475.6	5989.2
50°	6616.3	6682.2	7082.2	7462.9	7311.9	6617.6	5965.9	5923.4	5888.5	6224.0	6527.3
52.5°	6360.8	6433.1	7073.2	7677.1	7721.0	7193.2	6657.6	6633.1	6625.4	7019.0	7128.7
55°	5608.5	5729.8	6762.2	7733.9	8041.0	7735.2	7407.4	7366.1	7406.1	7870.7	7736.5
57.5°	5191.6	5282.0	6153.1	7670.7	8303.0	8251.4	8155.9	8159.8	8204.9	8796.0	8473.4
60°	4954.2	5060.0	5815.0	7497.8	8554.7	8878.6	8939.2	8939.2	9020.5	9793.5	9221.8
62.5°	4639.3	4746.4	5498.8	7164.8	8787.0	9616.7	9923.9	9920.0	9952.3	10863.4	9953.6
65°	4000.5	4099.9	4863.9	6639.6	8900.5	10429.7	11042.7	11031.1	10966.6	11815.7	10437.5
67.5°	2904.9	2999.1	3725.6	5640.7	8491.4	11085.3	12195.1	12200.3	11814.4	12415.8	10463.3
70°	1915.1	1979.6	2395.2	3663.7	6905.4	10802.7	12677.8	12693.3	11944.8	12041.6	9312.2
72.5°	1195.0	1240.2	1495.7	2184.8	4080.5	8550.8	11438.9	11481.5	10745.9	10582.0	7651.3
75°	793.7	824.6	995.0	1273.7	1888.0	4627.7	8695.3	8832.1	8612.7	8295.3	5331.0
77.5°	477.5	503.3	633.6	809.1	836.2	1808.0	5075.5	5429.1	5460.1	4330.9	2232.5
80°	218.1	247.8	349.7	462.0	445.2	629.8	1789.9	1872.5	2209.3	1375.7	704.6
82.5°	129.0	142.0	232.3	229.7	189.7	305.8	644.0	660.7	561.4	503.3	300.7
85°	51.6	60.7	98.1	86.5	69.7	99.4	242.6	254.2	243.9	219.4	111.0
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	21.9	23.2	33.6	60.7	33.6
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°	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9	2953.9
2.5°	2975.9	2968.1	3006.8	3036.5	3049.4	3062.3	3050.7	3046.8	3046.8	3021.0	3008.1
5°	3008.1	3012.0	3064.9	3089.4	3089.4	3079.1	3048.1	3026.2	3018.5	2984.9	2975.9
7.5°	3068.8	3085.6	3134.6	3133.3	3097.2	3040.4	2963.0	2903.6	2849.4	2826.2	2812.0
10°	3168.2	3190.1	3223.6	3169.4	3068.8	2919.1	2755.2	2626.1	2548.7	2486.8	2486.8
12.5°	3281.7	3302.4	3295.9	3170.7	2963.0	2682.9	2446.8	2298.4	2190.0	2133.2	2133.2
15°	3395.3	3412.1	3342.4	3111.4	2742.3	2369.3	2111.2	1933.2	1838.9	1786.0	1786.0
17.5°	3510.1	3508.8	3361.7	2974.6	2454.5	2022.2	1769.3	1631.2	1598.9	1589.9	1588.6
20°	3621.1	3591.4	3337.2	2746.2	2120.3	1672.5	1512.5	1521.5	1569.2	1589.9	1592.5
22.5°	3746.3	3672.7	3264.9	2454.5	1740.9	1429.9	1440.2	1515.0	1584.7	1615.7	1619.6
25°	3874.1	3742.4	3143.6	2112.5	1423.4	1340.8	1420.8	1504.7	1583.4	1623.4	1627.3
27.5°	3925.7	3742.4	2937.2	1716.4	1254.4	1303.4	1391.1	1472.5	1555.0	1601.5	1610.5
30°	3968.3	3710.2	2648.1	1358.9	1184.7	1267.3	1343.4	1418.2	1499.6	1556.3	1566.7
32.5°	4027.6	3681.8	2298.4	1142.1	1152.4	1232.4	1285.3	1348.6	1422.1	1459.5	1455.7
35°	4097.3	3637.9	1876.4	1038.8	1125.3	1202.7	1240.2	1277.6	1244.0	1242.7	1246.6
37.5°	4196.7	3599.2	1508.6	992.4	1107.2	1182.1	1213.1	1133.1	1086.6	1067.2	1059.5
40°	4339.9	3583.7	1189.8	965.3	1104.7	1180.8	1158.9	1035.0	971.7	904.6	903.3
42.5°	4520.6	3572.1	983.4	952.4	1113.7	1210.5	1084.0	970.4	840.1	810.4	807.8
45°	4752.9	3554.0	880.1	949.8	1135.6	1233.7	1076.3	881.4	792.4	779.5	779.5
47.5°	5032.9	3525.6	833.7	949.8	1160.2	1223.4	1053.0	862.0	770.4	784.6	793.7
50°	5354.2	3489.5	809.1	947.2	1184.7	1223.4	1004.0	858.2	765.3	838.8	868.5
52.5°	5697.5	3448.2	792.4	936.9	1201.4	1224.7	1006.6	871.1	770.4	851.7	876.2
55°	6076.9	3441.7	769.1	915.0	1206.6	1191.1	1013.0	899.5	778.2	771.7	773.0
57.5°	6555.7	3519.2	752.4	882.7	1186.0	1122.7	1025.9	920.1	769.1	770.4	779.5
60°	7056.4	3665.0	766.6	851.7	1143.4	1058.2	1035.0	909.8	725.3	704.6	707.2
62.5°	7482.3	3776.0	778.2	837.5	1081.4	1001.4	1025.9	886.6	700.7	695.6	707.2
65°	7660.4	3684.4	749.8	807.8	991.1	931.7	1006.6	856.9	680.1	660.7	662.0
67.5°	7462.9	3254.6	694.3	742.0	889.1	842.7	975.6	818.2	651.7	628.5	623.3
70°	6375.0	2391.3	598.8	637.5	765.3	738.2	927.9	767.8	606.5	589.8	578.1
72.5°	5137.4	1693.1	496.8	507.2	600.1	622.0	845.3	704.6	554.9	507.2	490.4
75°	3576.0	1063.4	414.2	403.9	433.6	474.9	659.4	584.6	478.8	428.4	413.0
77.5°	1538.3	545.9	323.9	318.8	289.1	329.1	505.9	487.8	401.3	343.3	334.2
80°	514.9	316.2	233.6	224.5	192.3	231.0	356.2	389.7	314.9	254.2	238.7
82.5°	258.1	183.2	148.4	134.2	129.0	145.8	210.4	242.6	218.1	175.5	148.4
85°	126.5	104.5	81.3	80.0	67.1	63.2	87.8	103.2	98.1	72.3	68.4
87.5°	46.5	41.3	25.8	20.6	12.9	9.0	5.2	5.2	3.9	3.9	3.9
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)