

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: P636299

Luminaire Tested: GWS-SA3F-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636299
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-SA3F-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24467.2 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

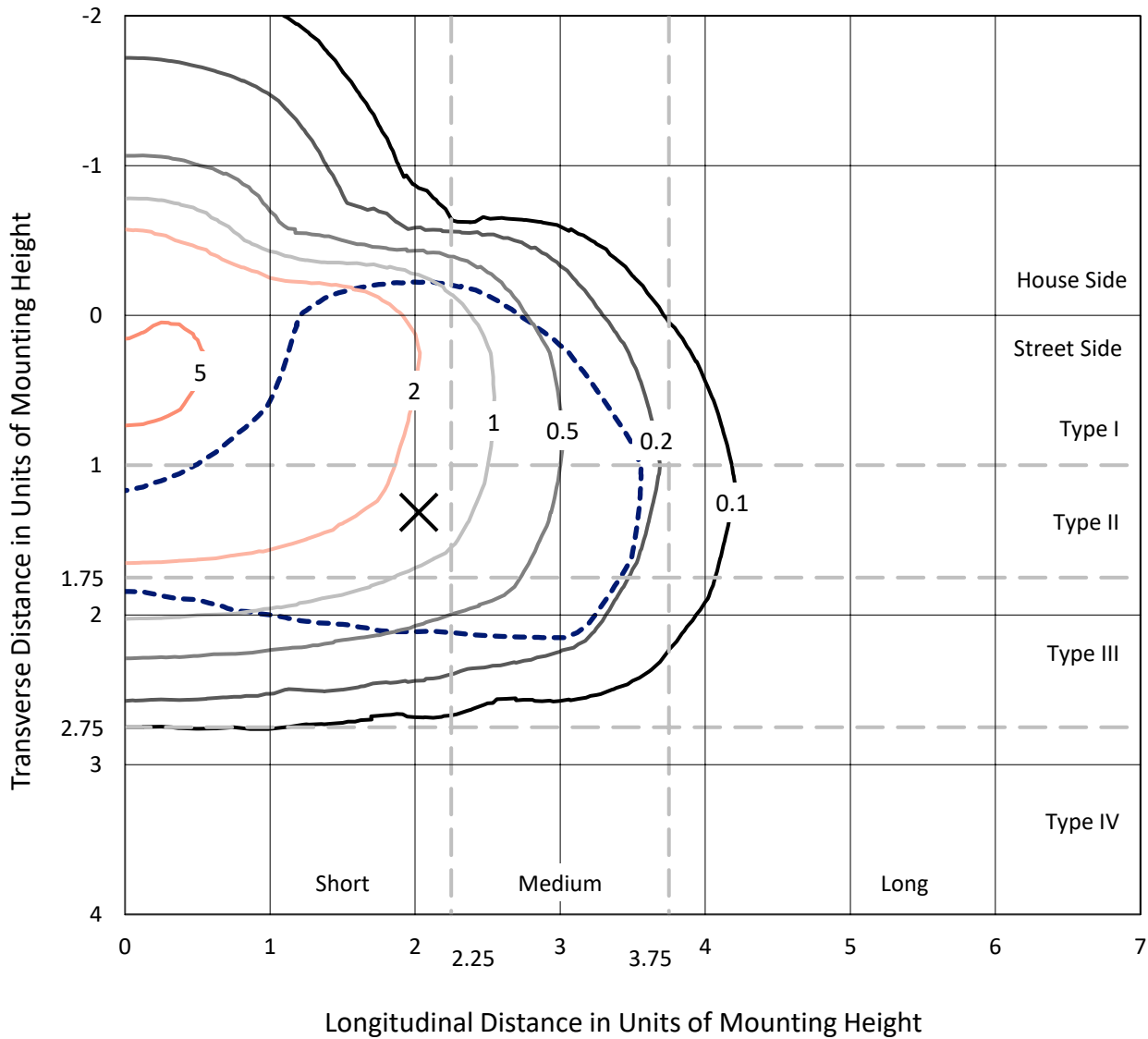
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

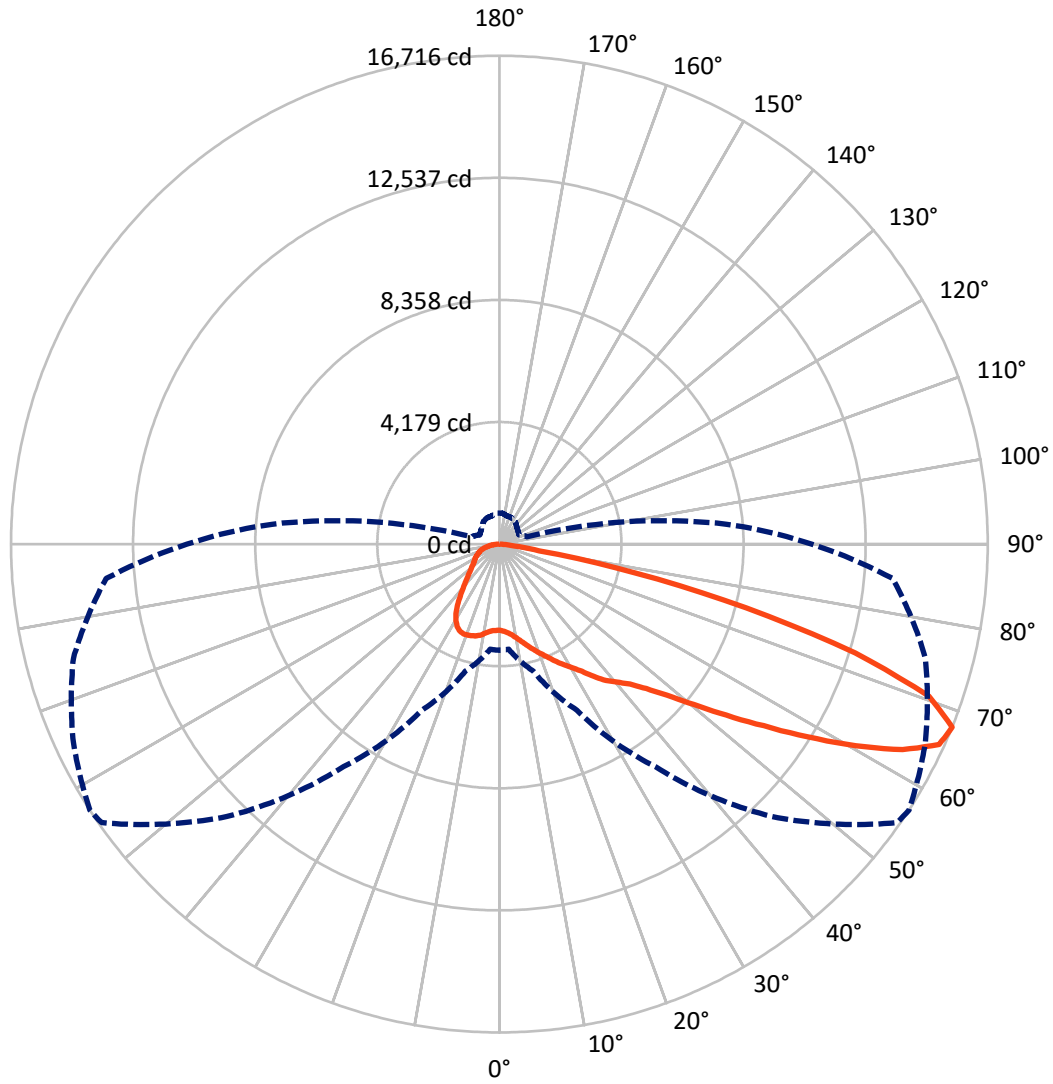
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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
House Side	Lumens	5379.4	0.0	5379.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19087.8	0.0	19087.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	24467.2	0.0	24467.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	1.2
10°-20°	968.0	4.0
20°-30°	1725.7	7.1
30°-40°	2508.9	10.3
40°-50°	3631.3	14.8
50°-60°	5682.9	23.2
60°-70°	6629.4	27.1
70°-80°	2767.4	11.3
80°-90°	261.2	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°	24467.2	100.0
0°-180°	24467.2	100.0

Coefficient of Utilization



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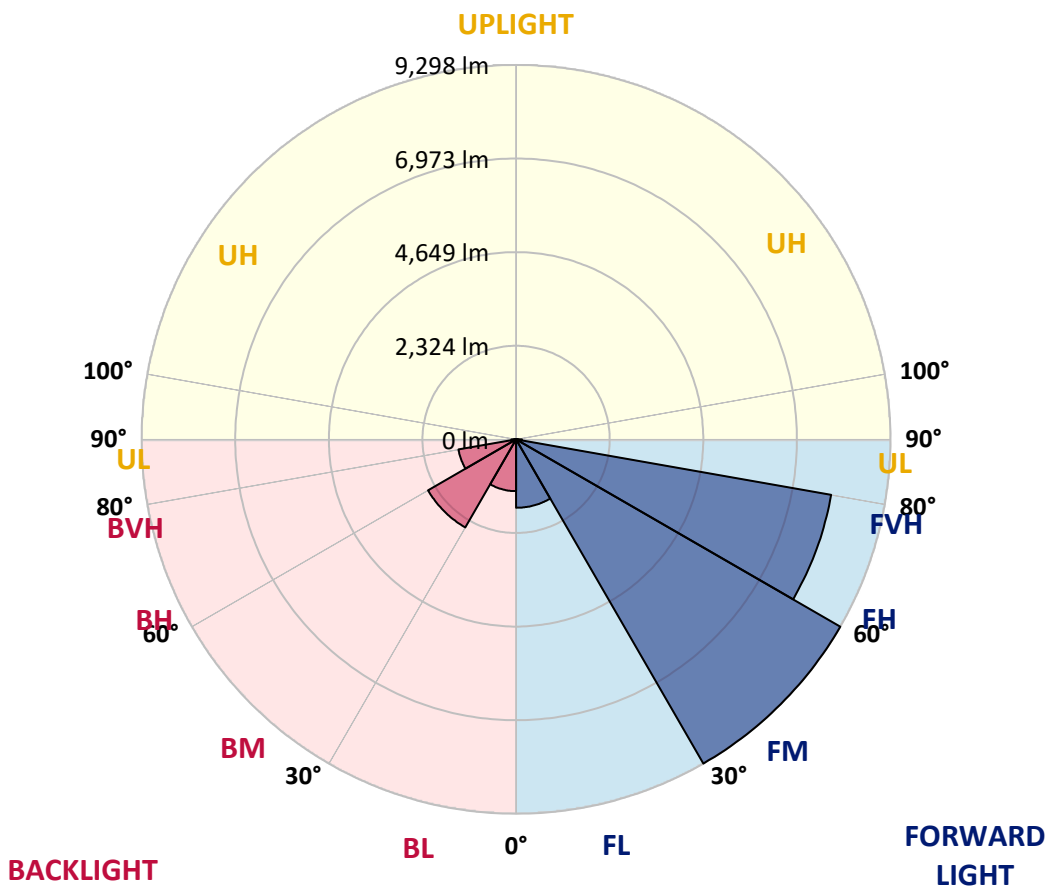
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1699.5	6.9			
FM (30°-60°)	9297.9	38.0			
FH (60°-80°)	7944.9	32.5			G4/12000
FVH (80°-90°)	145.5	0.6			G2/225
BL (0°-30°)	1286.6	5.3	B3/2500		
BM (30°-60°)	2525.2	10.3	B3/5000		
BH (60°-80°)	1451.9	5.9	B3/2500		G3/2500
BVH (80°-90°)	115.7	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°	55°	57°	65°	75°	85°
0°	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1
2.5°	2990.2	2986.7	2984.9	2995.5	2991.9	2990.2	2990.2	2988.4	2984.9	2970.9	2951.6
5°	3072.6	3065.6	3058.6	3067.3	3060.3	3053.3	3051.5	3048.0	3035.8	3014.7	2984.9
7.5°	3158.5	3151.5	3153.2	3158.5	3153.2	3149.7	3144.4	3140.9	3121.7	3088.4	3048.0
10°	3279.4	3279.4	3282.9	3288.2	3289.9	3284.7	3274.1	3268.9	3246.1	3204.0	3147.9
12.5°	3454.7	3451.2	3451.2	3447.7	3452.9	3447.7	3437.1	3428.4	3400.3	3346.0	3265.4
15°	3686.0	3672.0	3659.7	3637.0	3630.0	3610.7	3614.2	3608.9	3582.6	3509.0	3407.4
17.5°	3933.2	3931.4	3912.1	3866.6	3821.0	3789.5	3796.5	3794.7	3780.7	3680.8	3551.1
20°	4150.5	4159.3	4141.8	4106.7	4045.4	3985.8	3982.3	3991.0	3973.5	3873.6	3693.1
22.5°	4394.2	4387.1	4369.6	4324.0	4278.5	4215.4	4194.3	4187.3	4180.3	4066.4	3838.5
25°	4625.5	4646.5	4623.8	4581.7	4511.6	4443.2	4425.7	4432.7	4413.4	4262.7	3994.5
27.5°	4918.2	4927.0	4913.0	4855.1	4795.5	4699.1	4665.8	4665.8	4658.8	4446.7	4117.2
30°	5230.2	5254.8	5230.2	5182.9	5121.5	4983.1	4911.2	4904.2	4883.2	4636.0	4260.9
32.5°	5544.0	5561.5	5544.0	5498.4	5428.3	5307.3	5203.9	5188.1	5160.1	4842.9	4408.2
35°	5822.6	5838.4	5834.9	5845.4	5787.6	5635.1	5572.0	5565.0	5491.4	5112.8	4608.0
37.5°	6127.6	6146.9	6120.6	6141.6	6118.9	5975.1	5955.9	5920.8	5815.6	5366.9	4818.3
40°	6474.7	6492.2	6450.1	6458.9	6432.6	6352.0	6253.8	6206.5	6050.5	5642.1	5149.6
42.5°	6846.3	6886.6	6905.8	6890.1	6828.7	6783.2	6611.4	6551.8	6422.1	6138.1	5694.7
45°	7384.3	7443.9	7472.0	7431.7	7405.4	7340.5	7130.2	7058.3	6990.0	6837.5	6455.4
47.5°	7964.5	8018.8	8108.2	8125.8	8146.8	8097.7	7801.5	7731.4	7743.7	7726.1	7391.4
50°	8427.2	8472.8	8674.4	8890.0	9068.7	9082.8	8704.2	8628.8	8695.4	8751.5	8518.4
52.5°	8763.8	8804.1	9070.5	9515.7	9920.6	10220.3	9811.9	9726.0	9780.4	9906.6	9799.6
55°	9037.2	9093.3	9372.0	10055.5	10874.1	11347.3	11086.2	10977.5	10954.7	11110.7	11172.0
57.5°	9180.9	9198.4	9589.3	10478.0	11573.4	12453.3	12567.2	12444.5	12227.2	12313.1	12632.1
60°	8853.2	8883.0	9417.5	10586.6	12125.5	13550.5	14121.9	14020.3	13557.5	13604.9	13957.2
62.5°	7947.0	7989.0	8632.3	10069.6	12171.1	14283.2	15557.4	15492.6	14872.1	14616.2	14721.4
65°	6374.8	6388.8	7054.8	8790.1	11264.9	14374.3	16558.3	16542.5	15790.6	15191.1	14740.7
67.5°	3635.2	3610.7	4501.1	6269.6	9296.6	13189.5	16623.1	16716.0	16088.5	15096.5	13513.7
70°	1575.7	1579.2	1989.4	3093.6	6017.2	10660.2	15440.0	15599.5	15226.2	13520.7	10751.4
72.5°	729.1	739.7	916.7	1339.1	2569.5	6613.1	12590.0	12733.8	12413.0	10821.5	7822.5
75°	515.3	524.1	611.7	767.7	1181.4	2576.5	8422.0	8723.5	8879.4	8094.2	5154.8
77.5°	390.9	403.1	447.0	532.8	729.1	913.2	4029.6	4748.2	5656.1	5035.7	2655.4
80°	248.9	248.9	296.2	355.8	445.2	475.0	1163.8	1379.4	2767.6	2075.3	1042.9
82.5°	168.3	173.5	201.6	226.1	255.9	269.9	499.5	532.8	799.3	706.4	429.4
85°	89.4	92.9	105.2	103.4	122.7	106.9	210.3	208.6	292.7	320.8	163.0
87.5°	0.0	0.0	1.8	1.8	3.5	5.3	22.8	24.5	61.3	98.2	54.3
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°	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1
2.5°	2962.2	2941.1	2951.6	2948.1	2958.6	2958.6	2939.4	2934.1	2935.9	2914.8	2907.8
5°	2988.4	2963.9	2969.2	2962.2	2972.7	2981.4	2972.7	2972.7	2983.2	2967.4	2958.6
7.5°	3048.0	3020.0	3020.0	3011.2	3023.5	3030.5	3023.5	3034.0	3053.3	3037.5	3028.8
10°	3142.7	3109.4	3111.1	3100.6	3105.9	3102.4	3074.3	3065.6	3070.8	3056.8	3049.8
12.5°	3265.4	3219.8	3219.8	3198.8	3186.5	3149.7	3091.9	3070.8	3074.3	3062.1	3056.8
15°	3382.8	3340.7	3332.0	3289.9	3233.8	3165.5	3112.9	3098.9	3102.4	3090.1	3081.3
17.5°	3521.3	3466.9	3435.4	3358.3	3254.9	3184.8	3132.2	3098.9	3070.8	3042.8	3035.8
20°	3649.2	3580.9	3523.0	3403.8	3277.6	3181.2	3083.1	3000.7	2932.4	2895.5	2886.8
22.5°	3780.7	3693.1	3591.4	3435.4	3275.9	3118.1	2937.6	2813.2	2711.5	2657.2	2667.7
25°	3905.1	3794.7	3656.2	3465.2	3219.8	2977.9	2732.5	2546.8	2431.1	2389.0	2376.7
27.5°	4008.5	3871.8	3715.8	3451.2	3104.1	2776.4	2452.1	2245.3	2133.1	2085.8	2073.5
30°	4124.2	3970.0	3801.7	3386.3	2921.8	2494.2	2134.9	1966.6	1886.0	1840.4	1842.1
32.5°	4257.4	4096.2	3922.7	3261.9	2688.7	2189.2	1873.7	1758.0	1693.2	1647.6	1640.6
35°	4436.2	4276.7	4003.3	3074.3	2392.5	1908.7	1694.9	1600.3	1519.6	1460.0	1447.8
37.5°	4657.1	4548.4	4012.1	2823.7	2075.3	1715.9	1567.0	1465.3	1367.1	1288.3	1279.5
40°	5035.7	4911.2	3940.2	2509.9	1805.3	1591.5	1460.0	1342.6	1228.7	1141.0	1128.8
42.5°	5575.5	5319.6	3785.9	2155.9	1602.0	1493.3	1358.4	1209.4	1093.7	1032.4	1023.6
45°	6262.6	5775.3	3554.6	1822.9	1451.3	1396.9	1251.5	1095.5	1034.1	990.3	981.5
47.5°	7103.9	6306.4	3288.2	1563.5	1333.8	1309.3	1142.8	1056.9	1002.6	965.8	957.0
50°	8110.0	6983.0	3069.1	1360.1	1228.7	1207.6	1107.7	1034.1	990.3	960.5	953.5
52.5°	9258.0	7734.9	2962.2	1214.7	1137.5	1116.5	1095.5	1028.9	992.1	969.3	960.5
55°	10449.9	8527.1	2862.2	1102.5	1060.4	1072.7	1097.2	1046.4	1018.3	988.6	979.8
57.5°	11601.5	9270.3	2616.9	1014.8	1004.3	1051.7	1106.0	1063.9	1030.6	1000.8	990.3
60°	12395.5	9677.0	2201.5	944.7	962.3	1025.4	1083.2	1037.6	995.6	983.3	978.0
62.5°	12609.3	9627.9	1708.9	872.9	911.4	967.5	1023.6	993.8	950.0	969.3	971.0
65°	12109.8	9102.0	1283.0	802.8	844.8	892.2	962.3	950.0	934.2	986.8	988.6
67.5°	10695.3	7810.3	978.0	741.4	776.5	834.3	943.0	993.8	997.3	1063.9	1056.9
70°	8092.5	5834.9	766.0	683.6	723.9	834.3	1004.3	1027.1	985.0	1046.4	1032.4
72.5°	5594.8	3850.8	652.0	632.7	659.0	795.7	1002.6	1002.6	957.0	957.0	930.7
75°	3475.7	2264.6	567.9	567.9	567.9	695.8	974.5	923.7	843.1	806.3	785.2
77.5°	1715.9	1100.7	476.7	494.3	475.0	581.9	795.7	755.4	706.4	667.8	653.8
80°	732.7	550.4	385.6	404.9	382.1	438.2	631.0	622.2	574.9	524.1	508.3
82.5°	336.5	283.9	308.5	317.2	278.7	329.5	461.0	461.0	434.7	364.6	338.3
85°	143.7	150.7	213.8	213.8	175.3	185.8	247.1	234.9	210.3	171.8	157.7
87.5°	49.1	73.6	108.7	94.6	36.8	15.8	8.8	3.5	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)