

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P527922

Luminaire Tested: **GALN-SA3A-727-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-727-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9659 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

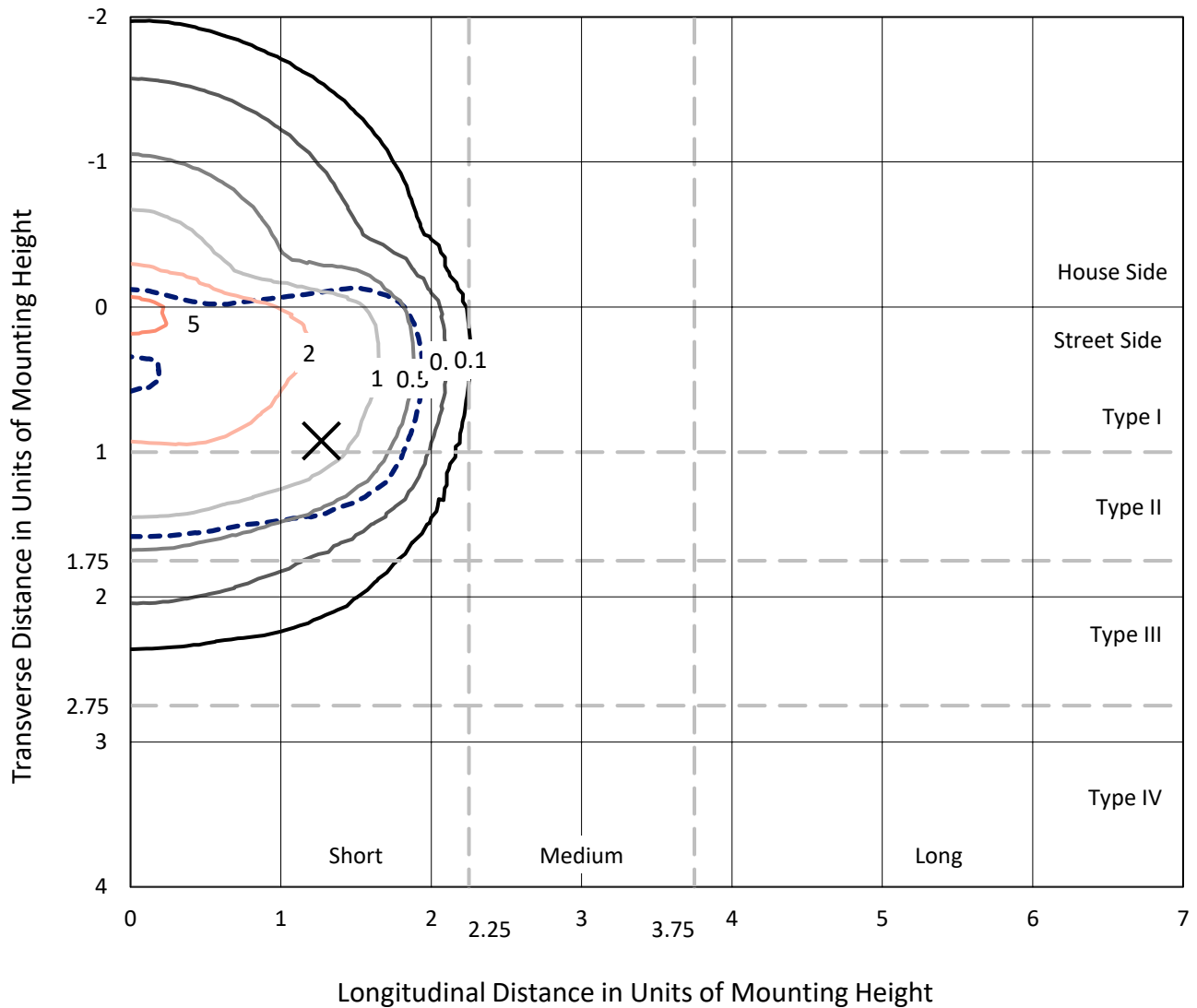
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527922
 CATALOG NUMBER: GALN-SA3A-727-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

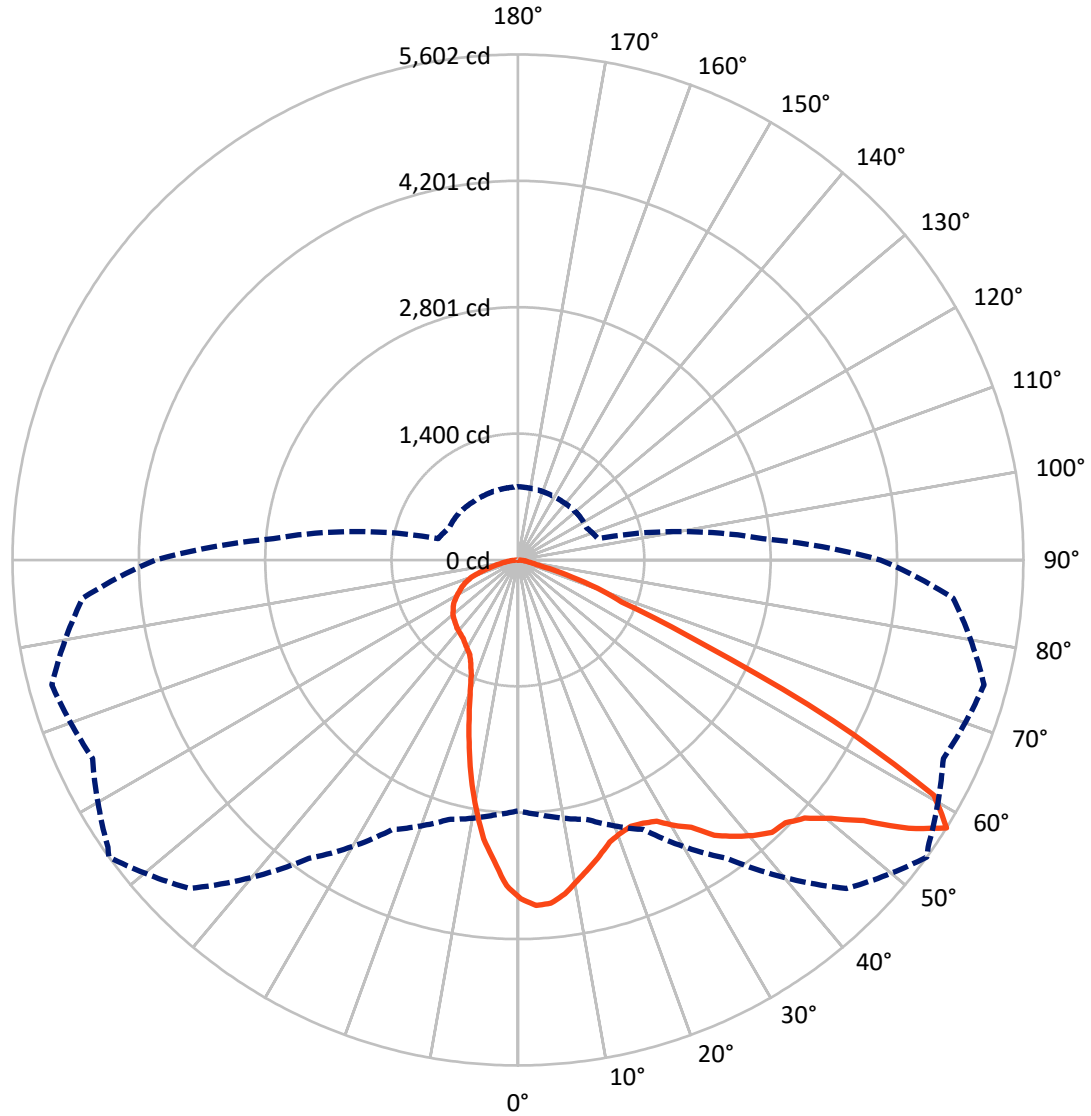
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

REPORT NUMBER: P527922
CATALOG NUMBER: GALN-SA3A-727-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P527922
 CATALOG NUMBER: GALN-SA3A-727-U-SL3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2672.2	0.0	2672.2
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	6986.8	0.0	6986.8
	% Fixture	72.3	0.0	72.3
Total	Lumens	9659.0	0.0	9659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.8	3.4
10°-20°	749.7	7.8
20°-30°	1053.3	10.9
30°-40°	1472.5	15.2
40°-50°	1993.5	20.6
50°-60°	2428.1	25.1
60°-70°	1264.7	13.1
70°-80°	324.1	3.4
80°-90°	49.4	0.5
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°	9659.0	100.0
0°-180°	9659.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527922

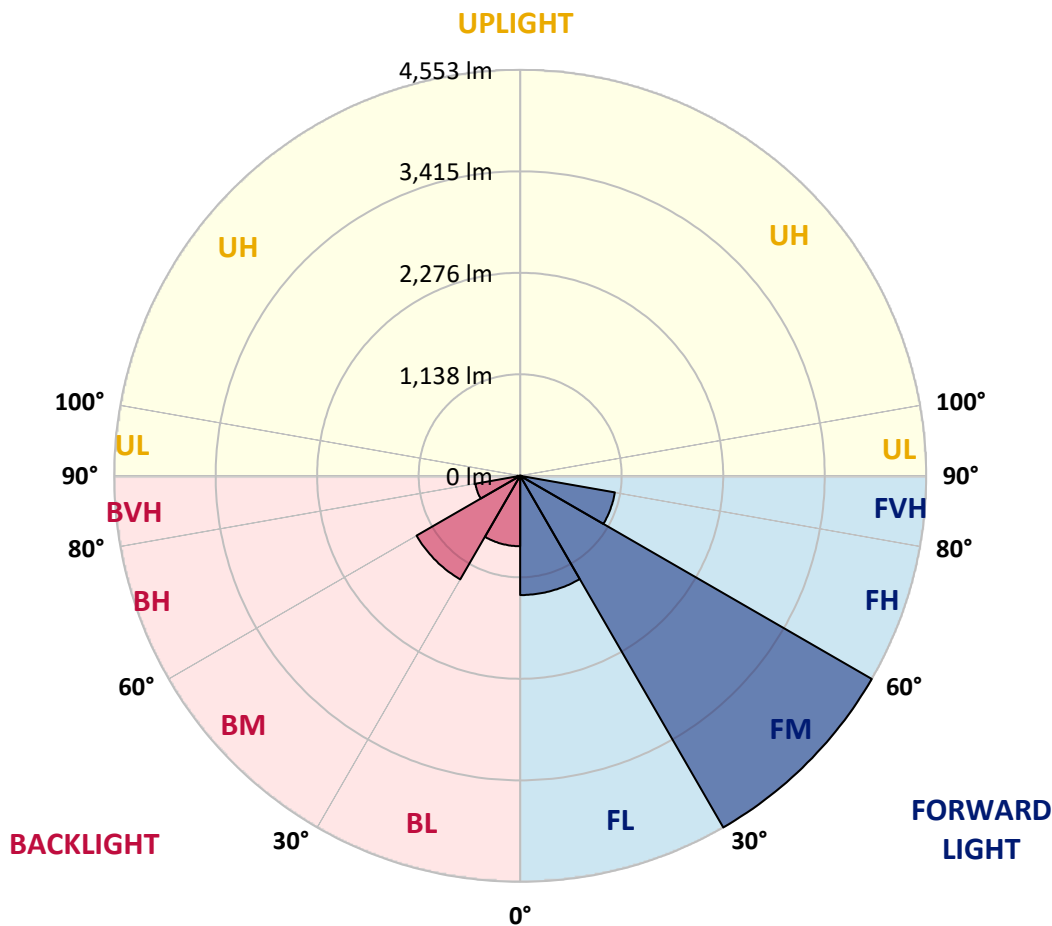
CATALOG NUMBER: GALN-SA3A-727-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1336.9	13.8			
FM (30°-60°)	4553.0	47.1			
FH (60°-80°)	1078.2	11.2			G1/1800
FVH (80°-90°)	18.7	0.2			G1/100
BL (0°-30°)	789.8	8.2	B2/1000		
BM (30°-60°)	1341.2	13.9	B2/2500		
BH (60°-80°)	510.5	5.3	B2/1000		G2/1000
BVH (80°-90°)	30.8	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-G2

Type II Short





REPORT NUMBER: P527922

CATALOG NUMBER: GALN-SA3A-727-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3
2.5°	3861.1	3846.2	3848.7	3868.6	3843.7	3833.8	3833.8	3785.4	3789.1	3755.6	3746.9
5°	3771.7	3737.0	3760.6	3790.3	3795.3	3805.2	3821.4	3809.0	3774.2	3738.2	3679.9
7.5°	3538.3	3569.4	3578.0	3599.2	3643.8	3684.8	3735.7	3701.0	3699.7	3663.7	3628.9
10°	3333.5	3314.8	3362.0	3393.1	3467.6	3535.8	3614.1	3610.3	3628.9	3588.0	3528.4
12.5°	3129.9	3115.0	3137.3	3208.1	3312.4	3411.7	3504.8	3470.0	3569.4	3561.9	3434.0
15°	2913.8	2925.0	2957.3	3023.1	3159.7	3278.8	3396.8	3398.0	3486.2	3516.0	3344.6
17.5°	2762.4	2750.0	2790.9	2889.0	3010.7	3153.4	3287.5	3314.8	3450.2	3467.6	3317.3
20°	2649.4	2666.8	2720.2	2769.8	2910.1	3082.7	3234.1	3244.1	3442.7	3489.9	3273.9
22.5°	2622.1	2612.1	2629.5	2710.2	2825.7	3013.2	3205.6	3242.8	3441.5	3482.5	3191.9
25°	2593.5	2625.8	2624.6	2705.3	2789.7	2957.3	3229.2	3270.2	3507.3	3520.9	3203.1
27.5°	2658.1	2654.4	2689.1	2695.3	2799.6	2972.2	3278.8	3309.9	3616.5	3605.4	3211.8
30°	2722.6	2704.0	2725.1	2798.4	2846.8	3057.9	3415.4	3412.9	3758.1	3750.6	3239.1
32.5°	2802.1	2793.4	2807.1	2871.6	2953.6	3172.1	3530.9	3604.1	3902.1	3949.3	3333.5
35°	2817.0	2853.0	2885.3	2972.2	3088.9	3357.1	3748.1	3809.0	4068.4	4216.2	3513.5
37.5°	2911.4	2925.0	3000.7	3154.7	3261.5	3604.1	3885.9	3924.4	4219.9	4387.5	3703.4
40°	3011.9	3028.1	3142.3	3303.7	3450.2	3765.5	4015.1	4027.5	4268.3	4519.1	3827.6
42.5°	3148.5	3163.4	3276.4	3478.7	3674.9	3903.3	4129.3	4142.9	4264.6	4670.6	4025.0
45°	3290.0	3326.0	3458.9	3688.5	3864.8	4064.7	4155.4	4211.2	4299.4	4805.9	4185.1
47.5°	3488.7	3522.2	3631.4	3856.1	4062.2	4206.3	4275.8	4330.4	4382.5	4923.9	4288.2
50°	3699.7	3705.9	3838.8	4042.4	4193.8	4366.4	4500.5	4519.1	4491.8	5060.4	4463.2
52.5°	3854.9	3874.8	3977.8	4176.5	4402.4	4614.7	4798.5	4818.3	4764.9	5111.3	4522.8
55°	3597.9	3586.7	3754.3	4018.8	4542.7	4984.7	5251.6	5266.5	4963.6	5269.0	4717.8
57.5°	2781.0	2834.4	2977.2	3296.2	4036.2	5148.6	5601.7	5548.3	5201.9	5348.4	4841.9
60°	2021.2	2008.8	2104.4	2317.9	3041.7	4437.2	5296.3	5350.9	5007.0	4820.8	3992.7
62.5°	1646.2	1628.9	1636.3	1643.8	1962.8	2944.9	3920.7	3919.5	3856.1	3465.1	2692.8
65°	1316.0	1357.0	1360.7	1416.6	1457.5	1759.2	2272.0	2393.6	2084.5	1709.6	1240.3
67.5°	992.0	977.1	1026.7	1225.4	1302.3	1270.1	1240.3	1253.9	891.4	643.1	605.9
70°	584.8	578.5	638.1	854.2	1072.7	1009.4	934.9	936.1	612.1	449.4	500.3
72.5°	320.3	319.1	331.5	433.3	609.6	633.2	561.2	578.5	365.0	363.8	391.1
75°	178.8	175.1	171.3	191.2	219.7	232.2	237.1	239.6	250.8	280.6	291.8
77.5°	65.8	63.3	63.3	73.2	93.1	116.7	147.7	150.2	177.5	203.6	214.8
80°	22.3	24.8	33.5	45.9	62.1	83.2	100.6	103.0	125.4	142.8	146.5
82.5°	13.7	14.9	22.3	32.3	44.7	58.4	74.5	75.7	93.1	104.3	109.3
85°	6.2	7.4	12.4	19.9	28.6	38.5	39.7	39.7	38.5	39.7	37.2
87.5°	0.0	0.0	2.5	2.5	2.5	3.7	5.0	3.7	6.2	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P527922

CATALOG NUMBER: GALN-SA3A-727-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3	3754.3
2.5°	3720.8	3707.2	3665.0	3627.7	3616.5	3566.9	3493.6	3502.3	3448.9	3473.8	3447.7
5°	3669.9	3624.0	3516.0	3470.0	3349.6	3295.0	3257.7	3164.6	3121.2	3112.5	3075.2
7.5°	3539.6	3511.0	3375.7	3251.5	3123.7	3014.4	2874.1	2778.5	2710.2	2691.6	2637.0
10°	3436.5	3373.2	3185.7	2997.0	2814.5	2624.6	2442.1	2299.3	2229.8	2149.1	2121.7
12.5°	3334.7	3239.1	2985.8	2743.7	2507.9	2268.2	2047.3	1873.4	1722.0	1686.0	1673.6
15°	3271.4	3105.0	2807.1	2515.3	2180.1	1867.2	1646.2	1532.0	1438.9	1400.4	1427.7
17.5°	3188.2	2994.5	2635.7	2247.1	1878.4	1590.4	1405.4	1334.6	1301.1	1304.8	1293.7
20°	3083.9	2890.2	2411.0	2003.8	1609.0	1379.3	1273.8	1247.7	1252.7	1261.4	1257.7
22.5°	3009.4	2763.6	2248.4	1755.5	1390.5	1262.6	1219.2	1200.5	1216.7	1224.1	1217.9
25°	2952.3	2655.6	2051.0	1535.8	1263.9	1196.8	1177.0	1175.7	1200.5	1210.5	1204.3
27.5°	2900.2	2555.0	1854.8	1368.2	1179.4	1145.9	1139.7	1154.6	1170.7	1180.7	1189.4
30°	2869.1	2478.1	1671.1	1227.9	1137.2	1121.1	1109.9	1123.6	1132.3	1142.2	1137.2
32.5°	2898.9	2423.4	1493.5	1148.4	1102.5	1086.3	1101.2	1092.5	1107.4	1116.1	1102.5
35°	2992.1	2375.0	1366.9	1106.2	1062.7	1068.9	1071.4	1067.7	1073.9	1066.5	1082.6
37.5°	3083.9	2357.6	1250.2	1070.2	1044.1	1044.1	1041.6	1034.2	1046.6	1044.1	1051.6
40°	3200.6	2368.8	1150.9	1031.7	1026.7	1024.3	1014.3	1013.1	1008.1	1009.4	1011.8
42.5°	3302.4	2393.6	1093.8	1006.9	1010.6	1015.6	996.9	982.0	988.2	975.8	975.8
45°	3410.4	2416.0	1042.9	989.5	985.8	984.5	969.6	960.9	956.0	957.2	968.4
47.5°	3580.5	2448.3	1004.4	965.9	968.4	949.8	946.0	934.9	939.8	947.3	948.5
50°	3701.0	2516.6	974.6	938.6	947.3	934.9	912.5	907.5	907.5	920.0	917.5
52.5°	3785.4	2612.1	946.0	908.8	912.5	902.6	895.1	884.0	876.5	893.9	902.6
55°	4043.6	2771.1	938.6	884.0	882.7	872.8	859.1	848.0	844.2	846.7	864.1
57.5°	4018.8	2721.4	915.0	840.5	838.0	824.4	810.7	807.0	805.7	808.2	813.2
60°	3262.7	2010.0	816.9	790.8	787.1	784.6	771.0	756.1	748.6	756.1	749.9
62.5°	2159.0	1345.8	720.1	731.3	733.7	727.5	705.2	690.3	692.8	701.5	687.8
65°	1060.3	790.8	653.0	682.8	685.3	667.9	646.8	629.4	620.8	628.2	622.0
67.5°	605.9	604.6	598.4	629.4	628.2	610.8	577.3	562.4	547.5	550.0	546.3
70°	514.0	523.9	536.3	555.0	553.7	533.9	494.1	482.9	461.8	459.4	453.2
72.5°	404.7	422.1	449.4	463.1	451.9	427.1	401.0	382.4	363.8	352.6	356.3
75°	300.4	325.3	340.2	348.9	331.5	317.8	296.7	274.4	252.0	242.1	238.4
77.5°	218.5	226.0	239.6	245.8	234.6	221.0	208.6	186.2	165.1	151.5	147.7
80°	152.7	157.7	167.6	167.6	167.6	161.4	145.3	122.9	109.3	96.8	94.4
82.5°	106.8	111.7	121.7	116.7	115.5	108.0	98.1	80.7	65.8	57.1	54.6
85°	37.2	41.0	49.7	59.6	63.3	62.1	55.9	44.7	34.8	28.6	26.1
87.5°	8.7	8.7	9.9	8.7	8.7	9.9	8.7	8.7	8.7	6.2	5.0
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)