

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: P531042

Luminaire Tested: **GALN-SA6B-740-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531042
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-SA6B-740-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA 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: 28546 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

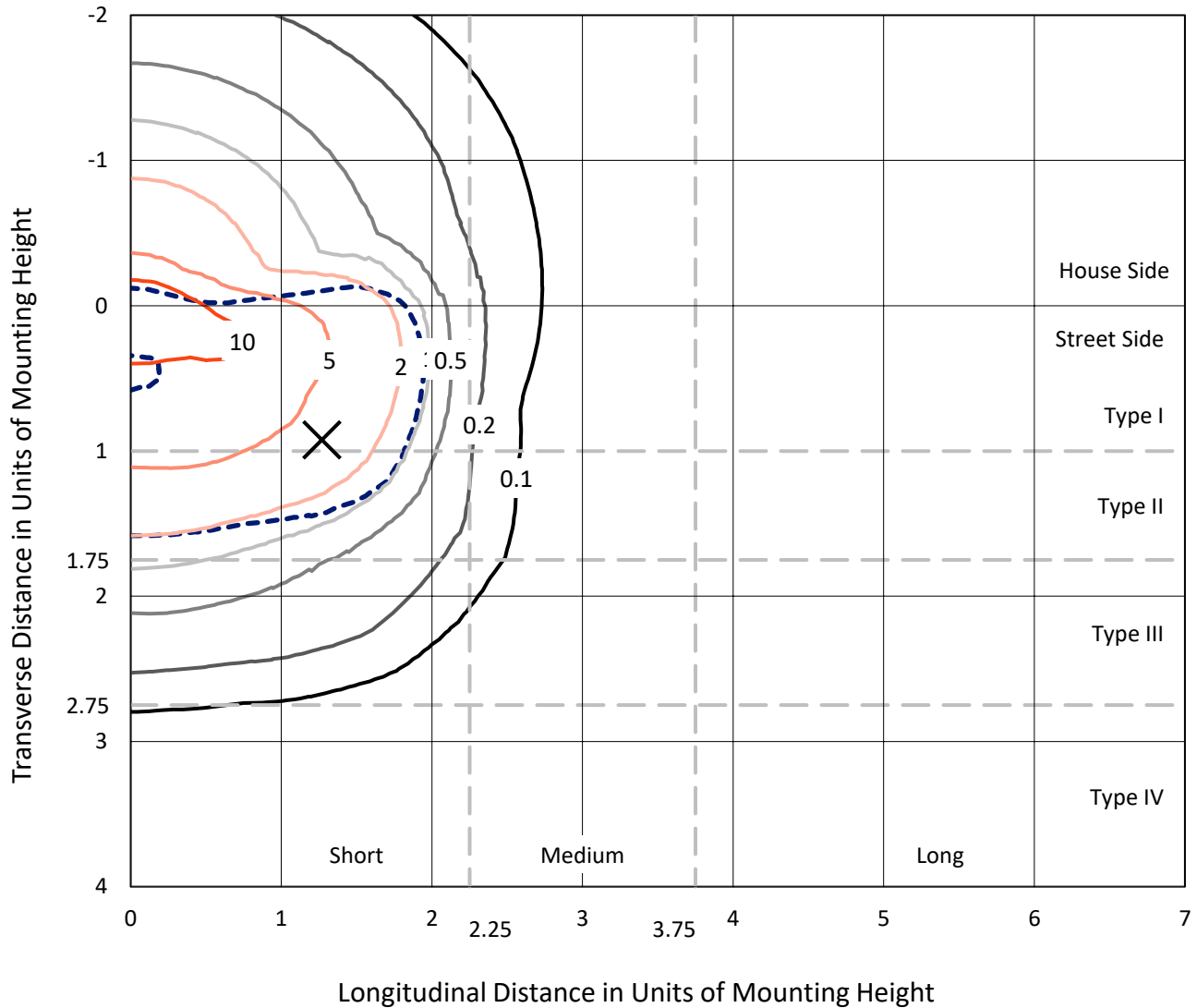
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531042
 CATALOG NUMBER: GALN-SA6B-740-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

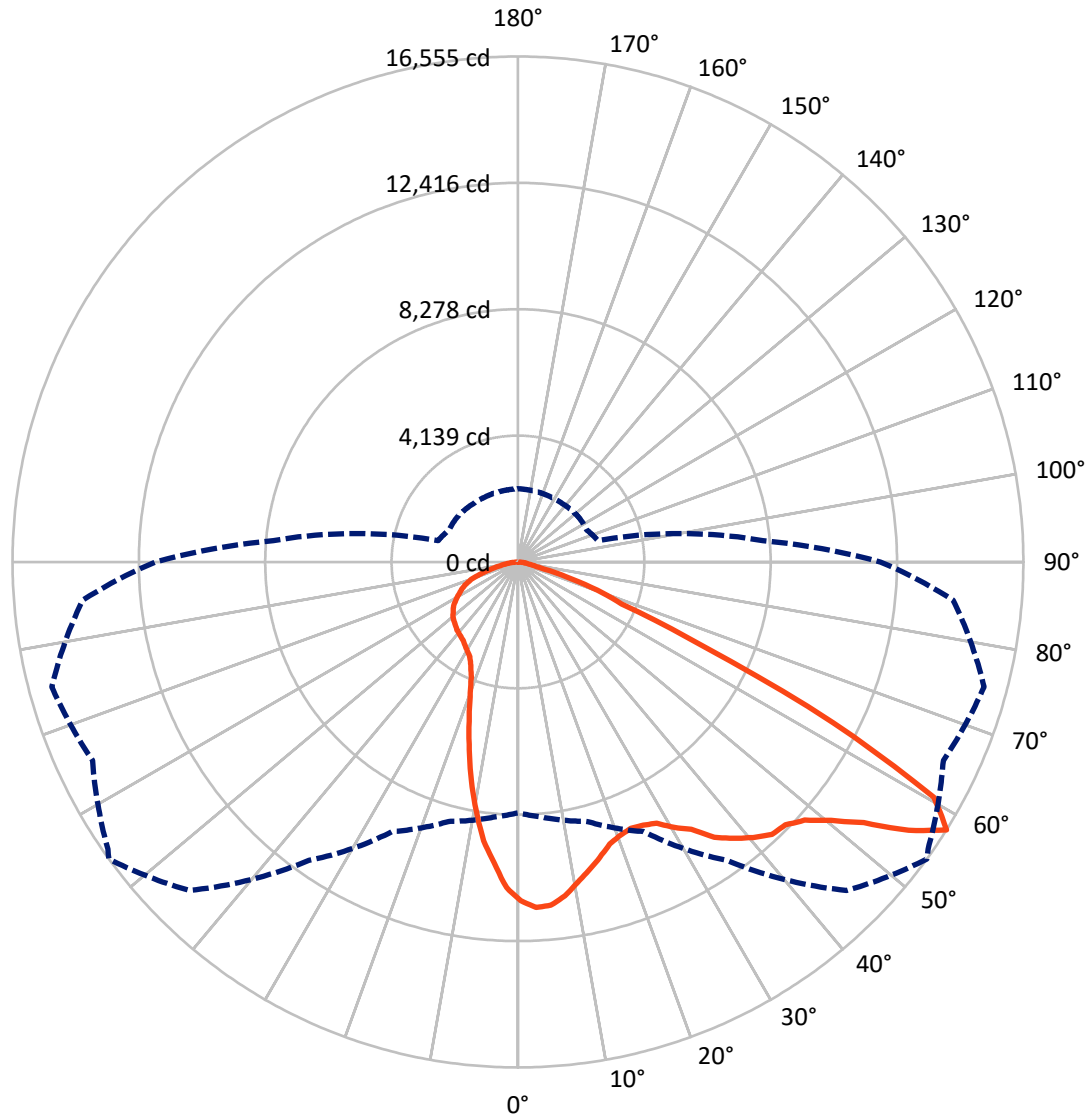
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.8 fc
 Type II - Short - N/A

REPORT NUMBER: P531042
CATALOG NUMBER: GALN-SA6B-740-U-SL3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P531042
 CATALOG NUMBER: GALN-SA6B-740-U-SL3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7897.4	0.0	7897.4
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	20648.6	0.0	20648.6
	% Fixture	72.3	0.0	72.3
Total	Lumens	28546.0	0.0	28546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.9	3.4
10°-20°	2215.5	7.8
20°-30°	3112.8	10.9
30°-40°	4351.8	15.2
40°-50°	5891.5	20.6
50°-60°	7176.1	25.1
60°-70°	3737.6	13.1
70°-80°	957.7	3.4
80°-90°	146.1	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°	28546.0	100.0
0°-180°	28546.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531042

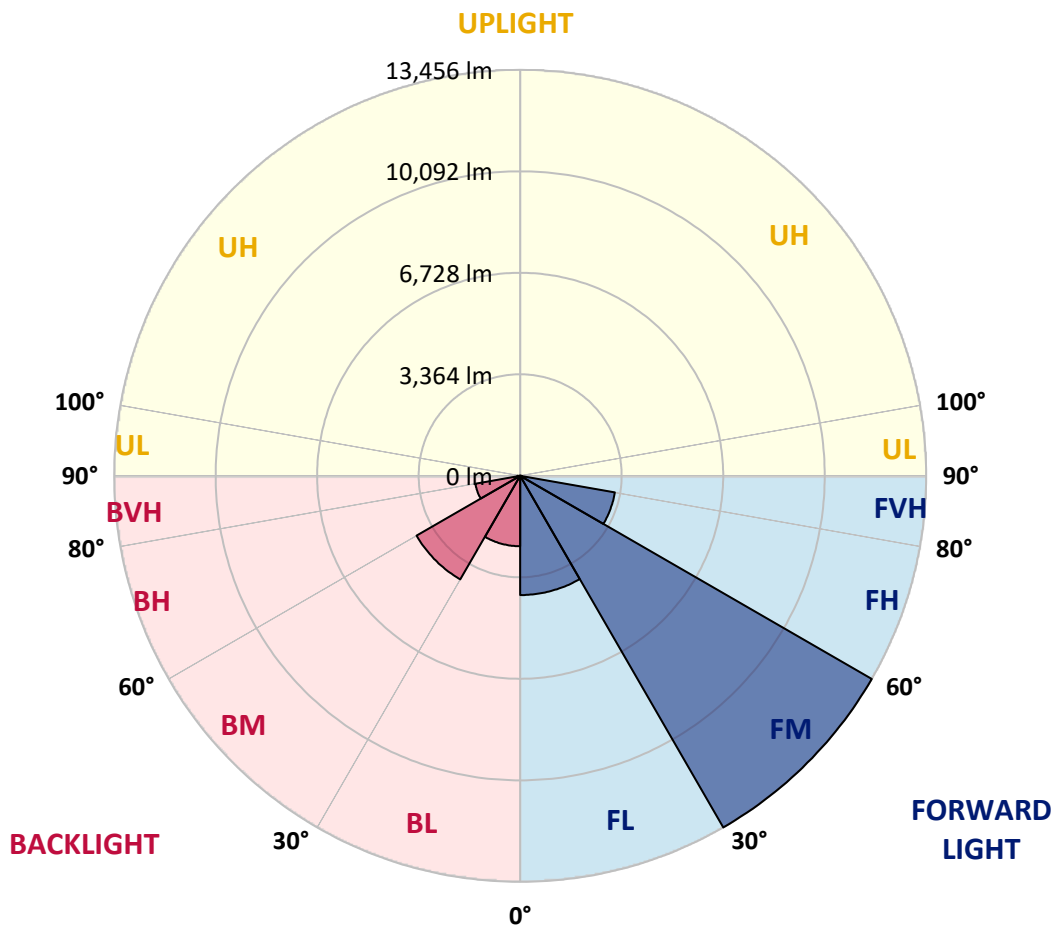
CATALOG NUMBER: GALN-SA6B-740-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3951.2	13.8			
FM (30°-60°)	13455.7	47.1			
FH (60°-80°)	3186.5	11.2			G2/5000
FVH (80°-90°)	55.2	0.2			G1/100
BL (0°-30°)	2334.1	8.2	B3/2500		
BM (30°-60°)	3963.6	13.9	B3/5000		
BH (60°-80°)	1508.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	90.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P531042

CATALOG NUMBER: GALN-SA6B-740-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5
2.5°	11411.0	11367.0	11374.4	11433.1	11359.7	11330.3	11330.3	11187.2	11198.2	11099.2	11073.5
5°	11146.9	11044.1	11113.8	11201.9	11216.6	11245.9	11293.6	11256.9	11154.2	11047.8	10875.4
7.5°	10457.1	10548.8	10574.5	10636.9	10768.9	10890.0	11040.5	10937.7	10934.1	10827.7	10724.9
10°	9851.7	9796.6	9936.1	10027.8	10247.9	10449.7	10680.9	10669.9	10724.9	10603.8	10427.7
12.5°	9249.9	9205.9	9271.9	9481.1	9789.3	10082.8	10358.0	10255.3	10548.8	10526.8	10148.9
15°	8611.5	8644.5	8739.9	8934.4	9338.0	9690.2	10038.8	10042.5	10303.0	10391.0	9884.7
17.5°	8163.9	8127.2	8248.2	8538.1	8897.7	9319.6	9715.9	9796.6	10196.6	10247.9	9804.0
20°	7830.0	7881.3	8039.1	8185.9	8600.5	9110.5	9558.1	9587.5	10174.5	10314.0	9675.5
22.5°	7749.2	7719.9	7771.3	8009.7	8351.0	8905.0	9473.7	9583.8	10170.9	10292.0	9433.4
25°	7664.8	7760.2	7756.6	7995.1	8244.6	8739.9	9543.5	9664.5	10365.3	10405.7	9466.4
27.5°	7855.6	7844.6	7947.4	7965.7	8273.9	8783.9	9690.2	9781.9	10688.2	10655.2	9492.1
30°	8046.4	7991.4	8053.8	8270.3	8413.4	9037.1	10093.8	10086.5	11106.5	11084.5	9572.8
32.5°	8281.3	8255.6	8295.9	8486.7	8728.9	9374.7	10435.1	10651.5	11532.1	11671.6	9851.7
35°	8325.3	8431.7	8527.1	8783.9	9128.8	9921.4	11077.2	11256.9	12023.8	12460.4	10383.7
37.5°	8604.2	8644.5	8868.3	9323.3	9638.9	10651.5	11484.4	11598.2	12471.4	12966.8	10945.1
40°	8901.4	8949.1	9286.6	9763.6	10196.6	11128.5	11866.0	11902.7	12614.5	13355.7	11312.0
42.5°	9305.0	9349.0	9682.9	10281.0	10860.7	11535.8	12203.6	12243.9	12603.5	13803.3	11895.4
45°	9723.2	9829.6	10222.2	10901.0	11422.1	12012.8	12280.6	12445.7	12706.3	14203.3	12368.7
47.5°	10310.3	10409.4	10732.3	11396.4	12005.5	12431.1	12636.5	12798.0	12952.1	14551.8	12673.2
50°	10934.1	10952.4	11345.0	11946.7	12394.4	12904.4	13300.7	13355.7	13275.0	14955.4	13190.6
52.5°	11392.7	11451.4	11755.9	12343.0	13010.8	13638.2	14181.3	14240.0	14082.2	15105.9	13366.7
55°	10633.2	10600.2	11095.5	11877.0	13425.4	14731.6	15520.5	15564.5	14669.3	15571.9	13942.8
57.5°	8218.9	8376.7	8798.6	9741.6	11928.4	15216.0	16555.2	16397.4	15373.7	15806.7	14309.7
60°	5973.4	5936.7	6219.2	6850.3	8989.4	13113.5	15652.6	15814.0	14797.7	14247.3	11800.0
62.5°	4865.3	4813.9	4835.9	4858.0	5800.9	8703.2	11587.2	11583.5	11396.4	10240.6	7958.4
65°	3889.3	4010.4	4021.4	4186.5	4307.6	5199.2	6714.5	7074.1	6160.5	5052.4	3665.5
67.5°	2931.6	2887.6	3034.4	3621.4	3848.9	3753.5	3665.5	3705.8	2634.4	1900.6	1790.5
70°	1728.2	1709.8	1885.9	2524.4	3170.1	2983.0	2762.9	2766.5	1808.9	1328.2	1478.7
72.5°	946.6	943.0	979.7	1280.5	1801.6	1871.3	1658.5	1709.8	1078.7	1075.1	1155.8
75°	528.4	517.3	506.3	565.0	649.4	686.1	700.8	708.1	741.2	829.2	862.2
77.5°	194.5	187.1	187.1	216.5	275.2	344.9	436.6	444.0	524.7	601.7	634.8
80°	66.0	73.4	99.1	135.8	183.5	245.8	297.2	304.5	370.6	422.0	433.0
82.5°	40.4	44.0	66.0	95.4	132.1	172.4	220.1	223.8	275.2	308.2	322.9
85°	18.3	22.0	36.7	58.7	84.4	113.7	117.4	117.4	113.7	117.4	110.1
87.5°	0.0	0.0	7.3	7.3	7.3	11.0	14.7	11.0	18.3	22.0	22.0
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: P531042

CATALOG NUMBER: GALN-SA6B-740-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5	11095.5
2.5°	10996.4	10956.1	10831.3	10721.3	10688.2	10541.5	10325.0	10350.7	10192.9	10266.3	10189.2
5°	10846.0	10710.2	10391.0	10255.3	9899.4	9737.9	9627.8	9352.7	9224.2	9198.6	9088.5
7.5°	10460.7	10376.4	9976.4	9609.5	9231.6	8908.7	8494.1	8211.6	8009.7	7954.7	7793.3
10°	10156.2	9969.1	9415.0	8857.3	8318.0	7756.6	7217.2	6795.3	6589.8	6351.3	6270.6
12.5°	9855.3	9572.8	8824.3	8108.8	7411.7	6703.5	6050.4	5536.7	5089.1	4982.7	4946.0
15°	9668.2	9176.5	8295.9	7433.7	6443.0	5518.4	4865.3	4527.7	4252.5	4138.8	4219.5
17.5°	9422.4	8850.0	7789.6	6641.2	5551.4	4700.2	4153.5	3944.3	3845.3	3856.3	3823.3
20°	9114.2	8541.8	7125.5	5922.0	4755.2	4076.4	3764.5	3687.5	3702.2	3727.9	3716.8
22.5°	8894.0	8167.5	6644.8	5188.2	4109.4	3731.5	3603.1	3548.1	3595.8	3617.8	3599.4
25°	8725.2	7848.3	6061.4	4538.7	3735.2	3537.1	3478.4	3474.7	3548.1	3577.4	3559.1
27.5°	8571.1	7551.1	5481.7	4043.4	3485.7	3386.6	3368.3	3412.3	3460.0	3489.4	3515.0
30°	8479.4	7323.6	4938.7	3628.8	3360.9	3313.2	3280.2	3320.6	3346.3	3375.6	3360.9
32.5°	8567.5	7162.2	4414.0	3394.0	3258.2	3210.5	3254.5	3228.9	3272.9	3298.6	3258.2
35°	8842.6	7019.1	4039.7	3269.2	3140.8	3159.1	3166.5	3155.5	3173.8	3151.8	3199.5
37.5°	9114.2	6967.7	3694.8	3162.8	3085.8	3085.8	3078.4	3056.4	3093.1	3085.8	3107.8
40°	9459.1	7000.7	3401.3	3049.1	3034.4	3027.0	2997.7	2994.0	2979.3	2983.0	2990.4
42.5°	9759.9	7074.1	3232.5	2975.7	2986.7	3001.4	2946.3	2902.3	2920.6	2884.0	2884.0
45°	10079.1	7140.2	3082.1	2924.3	2913.3	2909.6	2865.6	2839.9	2825.2	2828.9	2861.9
47.5°	10581.8	7235.6	2968.3	2854.6	2861.9	2806.9	2795.9	2762.9	2777.5	2799.6	2803.2
50°	10937.7	7437.4	2880.3	2773.9	2799.6	2762.9	2696.8	2682.1	2682.1	2718.8	2711.5
52.5°	11187.2	7719.9	2795.9	2685.8	2696.8	2667.5	2645.5	2612.4	2590.4	2641.8	2667.5
55°	11950.4	8189.5	2773.9	2612.4	2608.8	2579.4	2539.1	2506.0	2495.0	2502.4	2553.7
57.5°	11877.0	8042.8	2704.2	2484.0	2476.7	2436.3	2396.0	2384.9	2381.3	2388.6	2403.3
60°	9642.5	5940.4	2414.3	2337.2	2326.2	2318.9	2278.5	2234.5	2212.5	2234.5	2216.2
62.5°	6380.6	3977.4	2128.1	2161.1	2168.5	2150.1	2084.1	2040.0	2047.4	2073.1	2032.7
65°	3133.5	2337.2	1930.0	2018.0	2025.4	1974.0	1911.6	1860.3	1834.6	1856.6	1838.2
67.5°	1790.5	1786.9	1768.5	1860.3	1856.6	1805.2	1706.2	1662.1	1618.1	1625.4	1614.4
70°	1519.0	1548.4	1585.1	1640.1	1636.4	1577.7	1460.3	1427.3	1364.9	1357.6	1339.2
72.5°	1196.1	1247.5	1328.2	1368.6	1335.6	1262.2	1185.1	1130.1	1075.1	1042.0	1053.0
75°	887.9	961.3	1005.3	1031.0	979.7	939.3	876.9	810.9	744.8	715.5	704.5
77.5°	645.8	667.8	708.1	726.5	693.5	653.1	616.4	550.4	488.0	447.6	436.6
80°	451.3	466.0	495.3	495.3	495.3	477.0	429.3	363.2	322.9	286.2	278.9
82.5°	315.5	330.2	359.6	344.9	341.2	319.2	289.9	238.5	194.5	168.8	161.4
85°	110.1	121.1	146.8	176.1	187.1	183.5	165.1	132.1	102.7	84.4	77.1
87.5°	25.7	25.7	29.4	25.7	25.7	29.4	25.7	25.7	25.7	18.3	14.7
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)