

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: P531261

Luminaire Tested: **GALN-SA6C-735-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-735-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23619 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

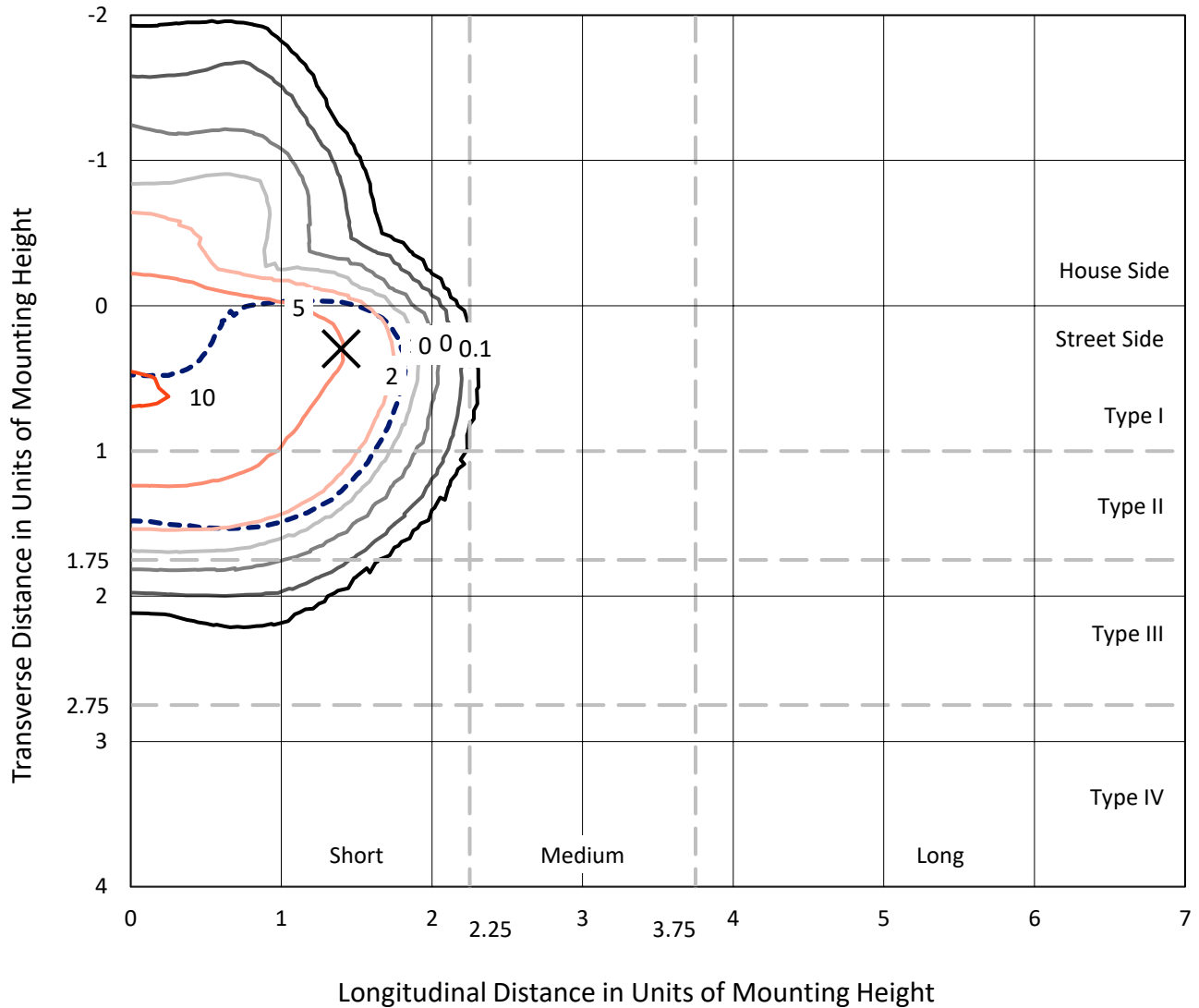
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531261
 CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

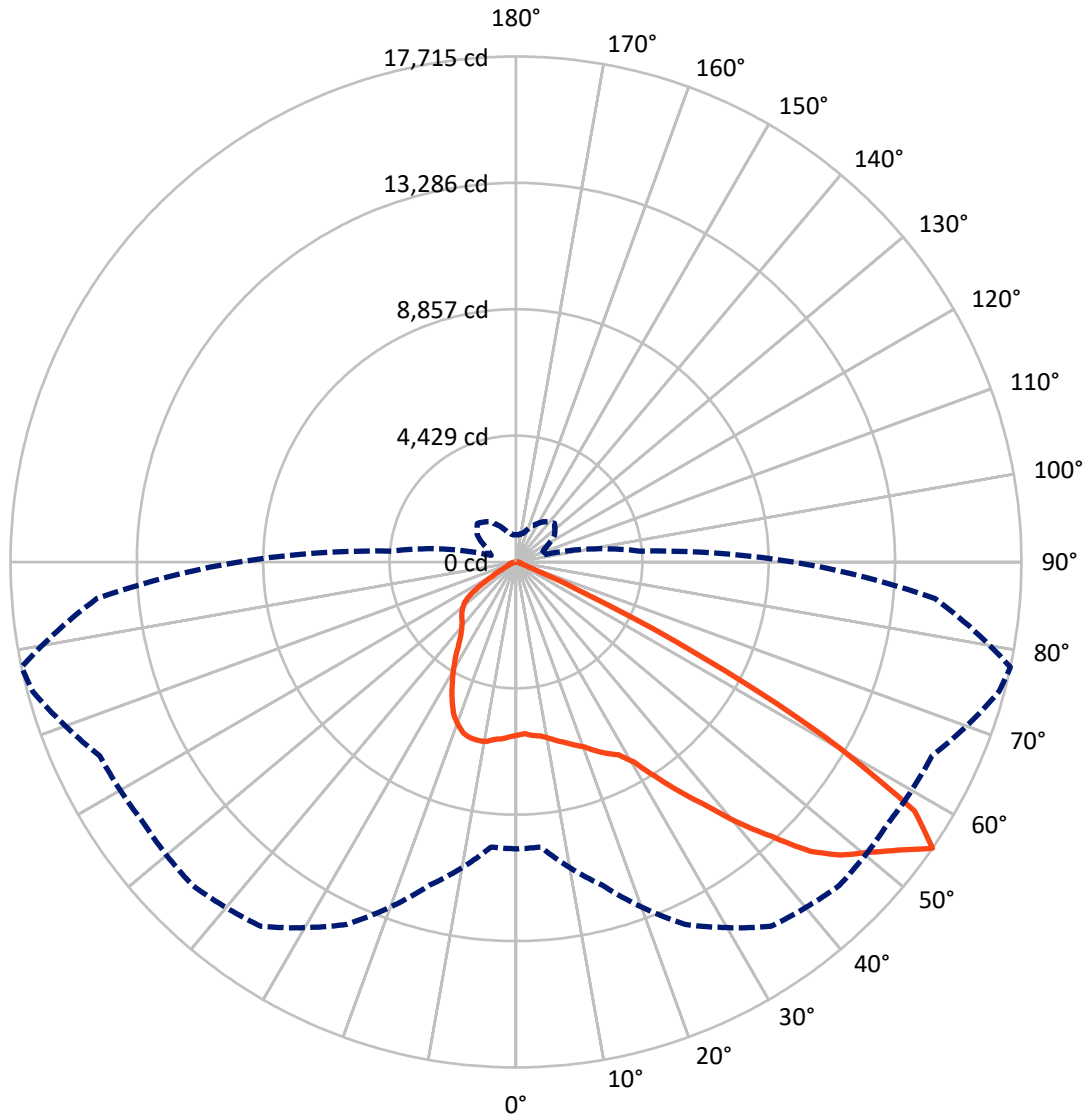
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

REPORT NUMBER: P531261
CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P531261

CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSBK

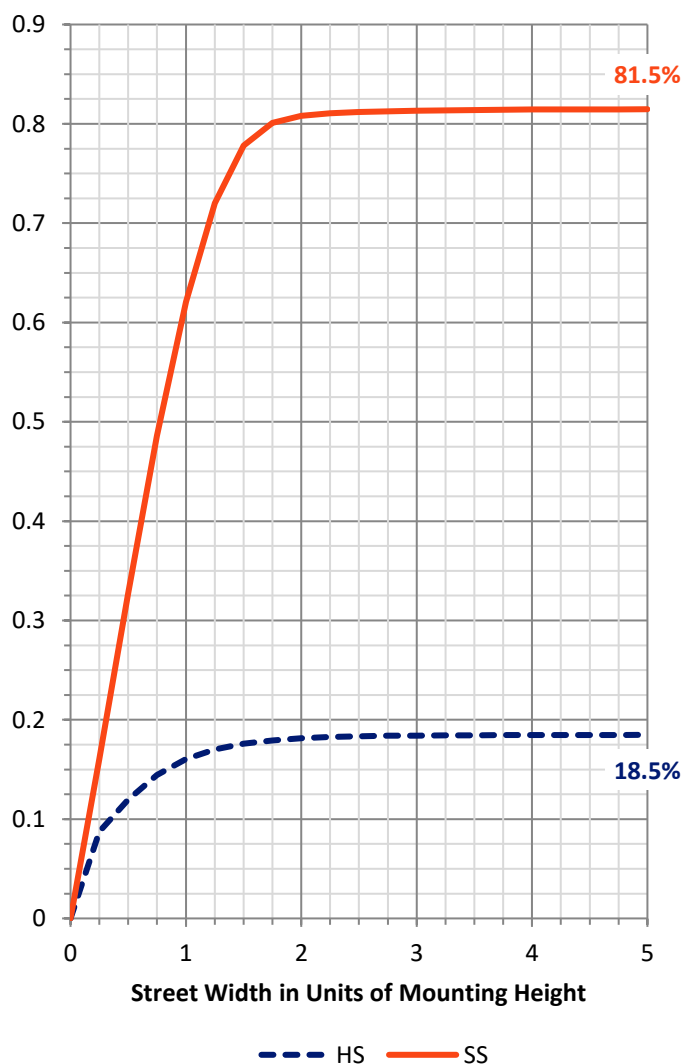
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4387.0	0.0	4387.0
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	19232.0	0.0	19232.0
	% Fixture	81.4	0.0	81.4
Total	Lumens	23619.0	0.0	23619.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.5	2.3
10°-20°	1433.0	6.1
20°-30°	2511.8	10.6
30°-40°	4141.7	17.5
40°-50°	6026.6	25.5
50°-60°	6828.8	28.9
60°-70°	1952.5	8.3
70°-80°	151.6	0.6
80°-90°	31.5	0.1
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°	23619.0	100.0
0°-180°	23619.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531261

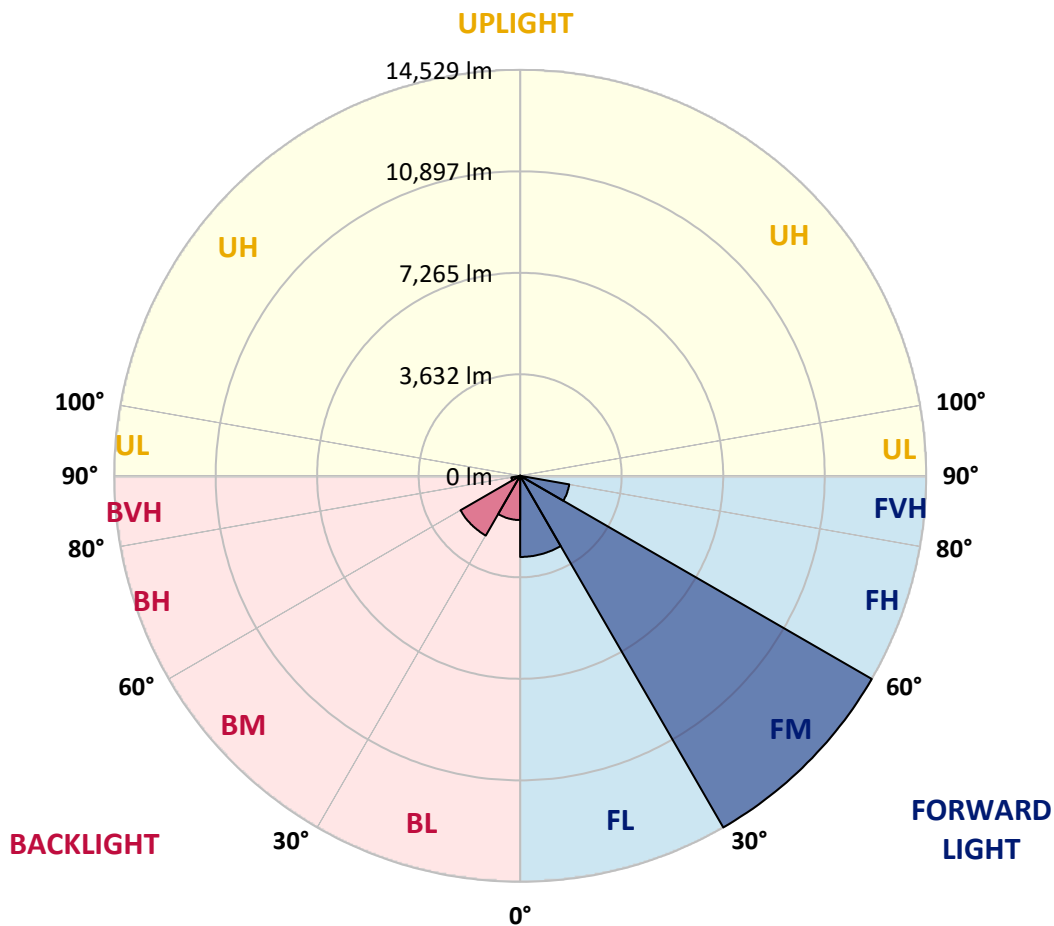
CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2903.5	12.3			
FM (30°-60°)	14529.4	61.5			
FH (60°-80°)	1783.9	7.6			G1/1800
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	1582.8	6.7	B3/2500		
BM (30°-60°)	2467.7	10.4	B2/2500		
BH (60°-80°)	320.2	1.4	B1/500		G1/500
BVH (80°-90°)	16.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





REPORT NUMBER: P531261

CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5
2.5°	5709.3	5764.2	5772.6	5840.2	5836.0	5950.0	5983.8	5988.0	6064.0	6026.0	6123.1
5°	5548.8	5519.3	5506.6	5624.8	5658.6	5760.0	5844.4	5895.1	6051.3	6106.2	6207.6
7.5°	5405.2	5405.2	5413.7	5519.3	5506.6	5637.5	5726.2	5882.4	6110.5	6156.9	6279.4
10°	5265.9	5215.2	5278.6	5388.4	5481.3	5540.4	5726.2	5874.0	6140.0	6275.2	6444.1
12.5°	5194.1	5219.4	5227.9	5308.1	5409.5	5586.8	5688.2	5933.1	6351.2	6431.4	6613.0
15°	5646.0	5595.3	5472.8	5401.0	5485.5	5569.9	5823.3	6072.5	6461.0	6575.0	6777.7
17.5°	6169.6	6127.4	6026.0	5831.8	5641.7	5798.0	5996.4	6224.5	6579.2	6748.1	7047.9
20°	6853.7	6786.1	6684.8	6304.7	6140.0	5971.1	6182.3	6452.5	6773.5	6925.5	7233.7
22.5°	7668.7	7668.7	7440.7	6980.4	6638.3	6477.9	6566.5	6722.8	6988.8	7195.7	7499.8
25°	8517.5	8492.2	8285.2	7808.1	7229.5	7039.5	7140.8	7250.6	7322.4	7436.4	7639.1
27.5°	9488.7	9340.9	9079.1	8551.3	8040.3	7672.9	7782.7	7685.6	7596.9	7656.0	7947.4
30°	10147.5	10240.4	9906.8	9400.1	8918.7	8509.0	8530.2	8445.7	8040.3	8124.8	8297.9
32.5°	10831.6	10890.7	10704.9	10426.2	9944.8	9467.6	9294.5	9222.7	8918.7	8956.7	8787.8
35°	11401.7	11515.7	11351.0	11228.6	11089.2	10704.9	10227.7	10460.0	9970.1	9877.2	9438.1
37.5°	11925.3	11891.5	12085.8	11959.1	11929.6	11659.3	11135.7	11182.1	10852.7	10831.6	10324.9
40°	12394.1	12402.5	12668.6	12727.7	12609.4	12128.0	11367.9	11735.3	12001.3	12026.7	11376.4
42.5°	12782.6	12896.6	13124.6	13601.8	13424.4	12622.1	11608.6	12009.8	12997.9	13154.2	12373.0
45°	13120.4	13352.7	13635.6	14062.1	13960.7	13323.1	12208.3	12575.6	14062.1	14471.7	13310.4
47.5°	13141.5	13445.6	13753.8	14387.3	14513.9	13698.9	12829.0	13470.9	14906.7	15350.1	13994.5
50°	13057.1	13217.5	13834.1	14522.4	14809.5	14311.2	13698.9	14222.6	15725.9	16004.6	14340.8
52.5°	12056.2	12178.7	13416.0	14649.1	15341.6	15003.8	14851.8	15269.8	16562.0	16768.9	14666.0
55°	10050.4	10029.3	11731.1	14011.4	15586.5	16029.9	15937.0	16084.8	17529.1	17714.9	14746.2
57.5°	6874.8	7259.1	8728.6	11667.7	14087.4	15789.2	15886.4	15641.4	16401.6	16473.3	12854.4
60°	3707.7	3868.1	5050.5	7786.9	10726.0	12867.0	13120.4	12677.0	12617.9	12415.2	9176.3
62.5°	1473.8	1554.0	2225.4	3855.5	5844.4	7820.7	8365.5	8183.9	7795.4	7263.3	4750.7
65°	701.0	751.7	1106.4	1803.2	2592.8	3260.0	3804.8	3973.7	2930.7	2639.3	1566.7
67.5°	477.2	515.2	806.6	1030.4	924.8	967.0	1258.4	1169.7	688.3	587.0	435.0
70°	363.2	388.5	646.1	701.0	413.8	291.4	325.2	304.0	282.9	287.2	282.9
72.5°	257.6	278.7	473.0	413.8	181.6	135.1	173.1	206.9	206.9	206.9	202.7
75°	156.2	177.4	274.5	160.5	71.8	71.8	109.8	139.4	147.8	152.0	143.6
77.5°	80.2	101.3	92.9	46.5	46.5	54.9	80.2	97.1	105.6	105.6	101.3
80°	16.9	16.9	16.9	25.3	46.5	59.1	80.2	88.7	101.3	101.3	92.9
82.5°	0.0	4.2	12.7	25.3	42.2	54.9	76.0	88.7	101.3	105.6	97.1
85°	0.0	4.2	8.4	16.9	29.6	33.8	29.6	25.3	25.3	25.3	25.3
87.5°	0.0	0.0	4.2	4.2	4.2	8.4	8.4	8.4	8.4	8.4	8.4
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: P531261

CATALOG NUMBER: GALN-SA6C-735-U-T3R-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5	6072.5
2.5°	6131.6	6144.2	6123.1	6118.9	6102.0	6152.7	6030.2	6000.7	6076.7	6004.9	6021.8
5°	6211.8	6241.4	6203.4	6140.0	6047.1	5903.5	5781.1	5620.6	5544.6	5489.7	5481.3
7.5°	6270.9	6292.0	6254.0	6051.3	5772.6	5409.5	5139.2	4940.7	4784.5	4738.0	4662.0
10°	6511.6	6515.9	6325.8	5878.2	5333.5	4856.3	4442.4	4138.4	3982.1	3885.0	3842.8
12.5°	6672.1	6663.7	6279.4	5536.2	4809.8	4176.4	3703.4	3336.1	3192.5	3146.0	3116.5
15°	6874.8	6828.3	6169.6	5185.7	4134.2	3450.1	3023.6	2770.2	2757.5	2728.0	2757.5
17.5°	7035.3	6904.4	6009.1	4548.0	3488.1	2842.0	2563.3	2580.2	2613.9	2643.5	2647.7
20°	7297.1	7026.8	5641.7	3990.6	2888.4	2436.6	2432.4	2508.4	2592.8	2626.6	2660.4
22.5°	7495.6	7077.5	5249.0	3395.2	2398.6	2271.9	2343.7	2457.7	2521.0	2554.8	2605.5
25°	7567.3	6938.1	4725.4	2799.7	2162.1	2195.9	2305.7	2381.7	2461.9	2499.9	2478.8
27.5°	7639.1	6866.4	4100.4	2305.7	2035.4	2145.2	2238.1	2314.1	2339.5	2390.1	2423.9
30°	7812.3	6617.2	3538.7	1993.2	1972.1	2111.4	2179.0	2204.3	2271.9	2301.5	2301.5
32.5°	7951.6	6520.1	2943.3	1845.4	1963.6	2128.3	2136.8	2136.8	2145.2	2124.1	2115.6
35°	8238.8	6186.5	2411.2	1756.7	1959.4	2132.5	2153.7	2081.9	1887.6	1811.6	1790.5
37.5°	8593.5	5971.1	2018.5	1735.6	1989.0	2183.2	2217.0	1946.7	1693.4	1570.9	1549.8
40°	9024.2	5819.1	1760.9	1727.1	2056.5	2301.5	2200.1	1841.2	1511.8	1334.4	1326.0
42.5°	9526.8	5679.7	1587.8	1722.9	2141.0	2423.9	2183.2	1752.5	1326.0	1207.7	1224.6
45°	9927.9	5603.7	1469.6	1693.4	2170.5	2495.7	2195.9	1596.2	1250.0	1174.0	1182.4
47.5°	10240.4	5443.3	1372.4	1642.7	2166.3	2521.0	2081.9	1532.9	1212.0	1233.1	1254.2
50°	10248.9	5227.9	1250.0	1532.9	2103.0	2474.6	1951.0	1473.8	1203.5	1292.2	1334.4
52.5°	10134.8	4923.8	1119.1	1376.6	1955.2	2314.1	1832.7	1448.4	1165.5	1157.1	1207.7
55°	9729.4	4353.8	899.5	1114.8	1651.1	1908.7	1727.1	1402.0	1051.5	954.4	962.8
57.5°	7862.9	3120.7	663.0	798.1	1169.7	1397.8	1558.2	1380.9	945.9	810.8	815.0
60°	4868.9	1769.4	485.6	544.7	722.1	848.8	1262.6	1283.7	844.6	684.1	675.7
62.5°	2499.9	874.1	375.8	384.3	443.4	498.3	865.7	1076.8	764.3	650.3	650.3
65°	836.1	430.7	329.4	295.6	295.6	308.3	523.6	747.4	646.1	544.7	544.7
67.5°	358.9	320.9	287.2	257.6	236.5	223.8	295.6	435.0	481.4	413.8	396.9
70°	278.7	270.3	249.1	215.4	185.8	168.9	173.1	223.8	274.5	266.0	257.6
72.5°	206.9	206.9	198.5	168.9	143.6	122.5	114.0	118.2	130.9	135.1	139.4
75°	143.6	147.8	147.8	130.9	105.6	88.7	76.0	63.3	50.7	42.2	38.0
77.5°	97.1	101.3	109.8	97.1	80.2	59.1	46.5	33.8	21.1	8.4	8.4
80°	84.5	97.1	105.6	97.1	84.5	63.3	46.5	25.3	12.7	0.0	0.0
82.5°	88.7	97.1	109.8	92.9	80.2	59.1	46.5	29.6	12.7	4.2	0.0
85°	21.1	21.1	25.3	29.6	38.0	42.2	33.8	21.1	12.7	4.2	0.0
87.5°	8.4	8.4	8.4	8.4	8.4	4.2	4.2	4.2	4.2	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)