Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P452439

Luminaire Tested: **GALN-SA3B-827-U-T1**

Issue Date: 1/4/2021

Report Generated By 670248863

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P452439
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/4/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA3B-827-U-T1
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12465 lumens
Efficiency:	N/A
Efficacy:	103.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	121
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

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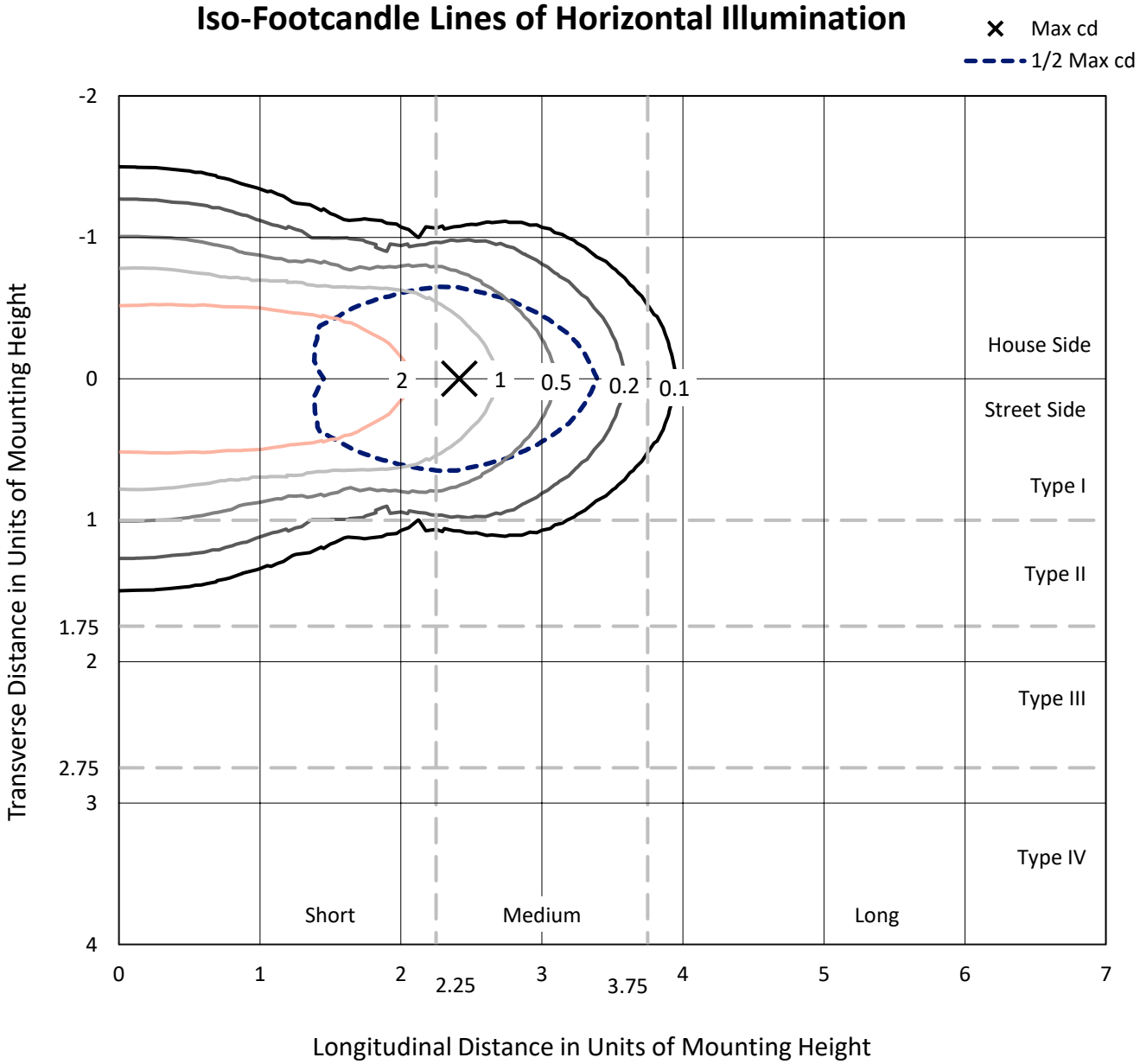
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type I - Short - N/A

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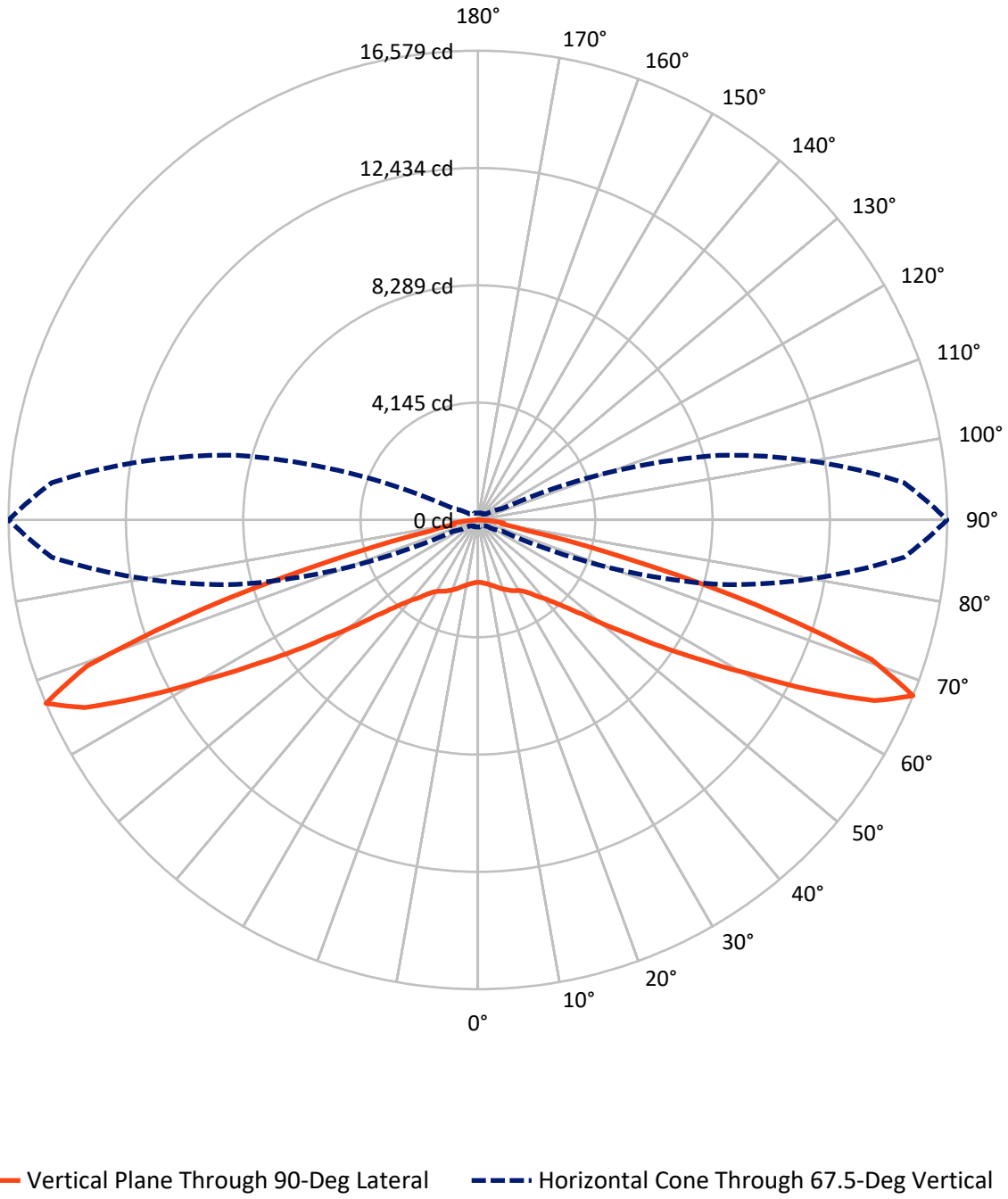
Luminous Intensity Polar Plot



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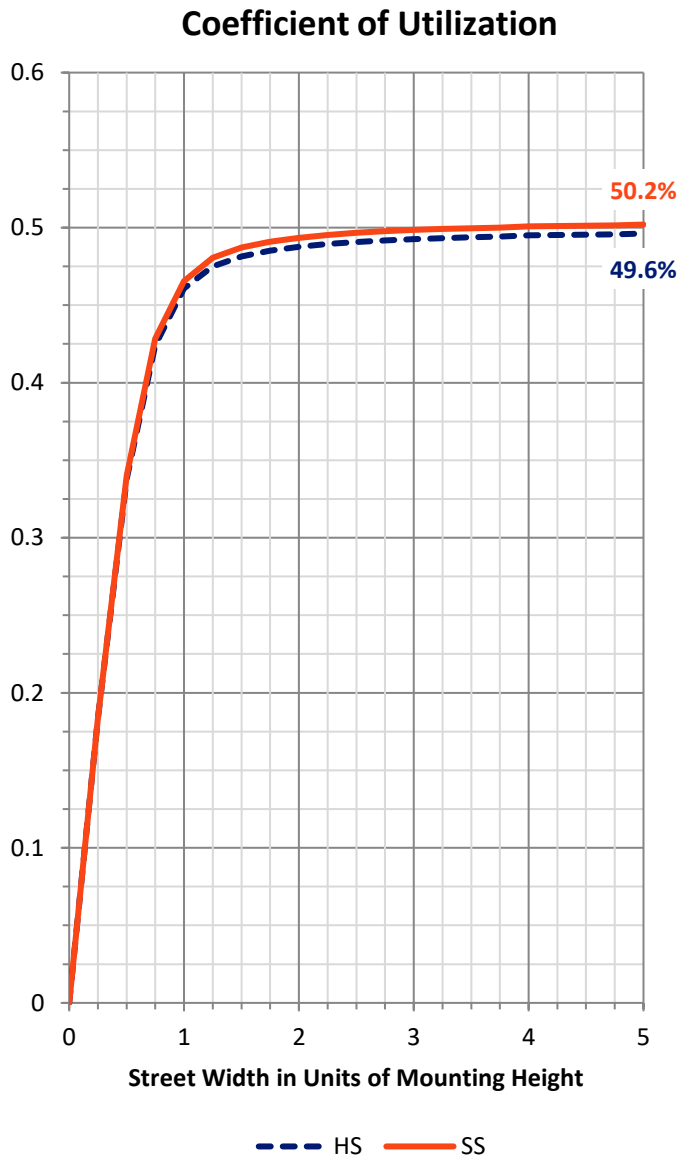
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6232.5	0.0	6232.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6232.5	0.0	6232.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12465.0	0.0	12465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	1.8
10°-20°	703.9	5.6
20°-30°	1178.2	9.5
30°-40°	1596.1	12.8
40°-50°	2021.7	16.2
50°-60°	2525.6	20.3
60°-70°	2968.8	23.8
70°-80°	1135.7	9.1
80°-90°	115.1	0.9
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°	12465.0	100.0
0°-180°	12465.0	100.0



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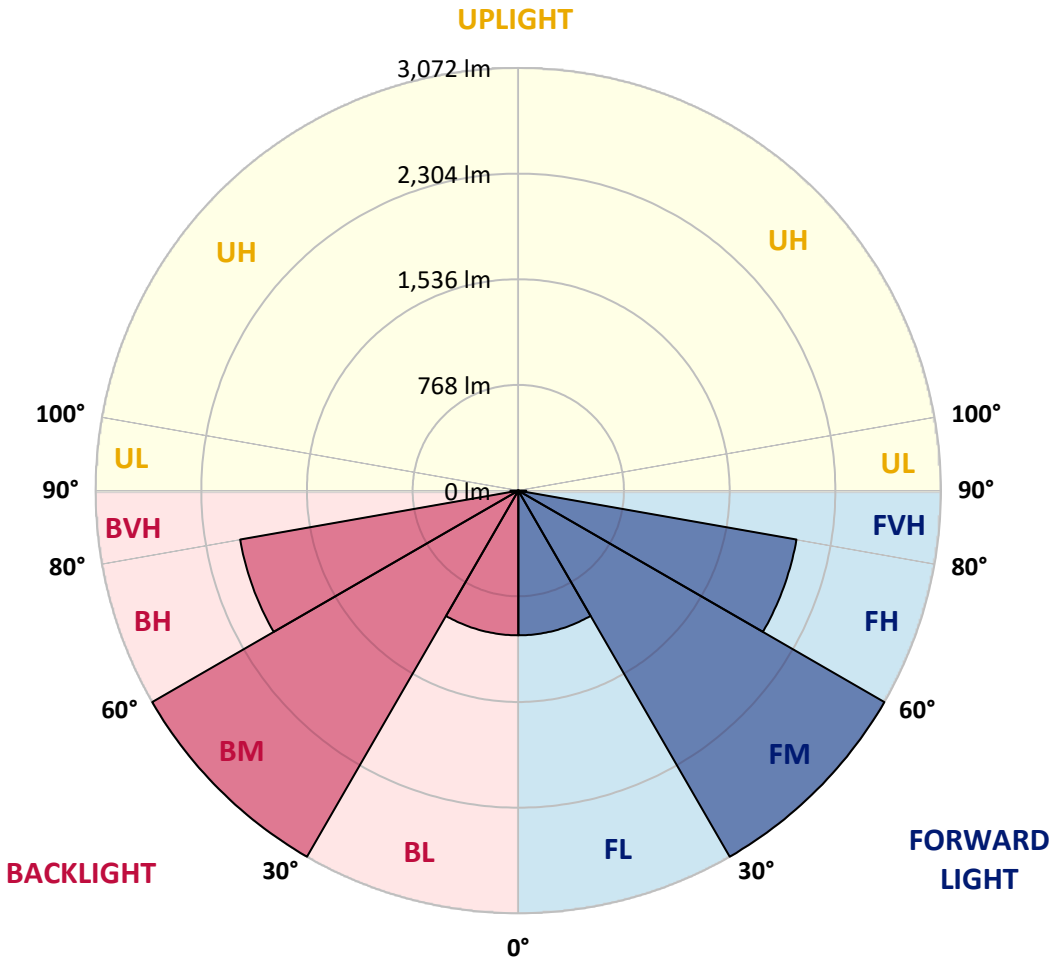
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1051.0	8.4			
FM	(30°-60°)	3071.7	24.6			
FH	(60°-80°)	2052.2	16.5			G2/5000
FVH	(80°-90°)	57.5	0.5			G1/100
BL	(0°-30°)	1051.0	8.4	B3/2500		
BM	(30°-60°)	3071.7	24.6	B3/5000		
BH	(60°-80°)	2052.2	16.5	B3/2500		G3/2500
BVH	(80°-90°)	57.5	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2206.7	2206.7	2206.7	2206.7	2206.7	2206.7	2206.7	2206.7	2206.7	2206.7	*2206.7*
2.5°	2235.0	2233.6	2234.3	2233.6	2235.7	2234.3	2226.0	2219.1	2213.6	2214.3	*2212.2*
5°	2282.6	2283.3	2284.0	2280.5	2285.4	2282.6	2269.5	2258.5	2247.4	2243.3	*2241.9*
7.5°	2322.0	2325.4	2327.5	2330.9	2339.2	2339.2	2332.3	2316.4	2292.3	2278.5	*2277.8*
10°	2361.3	2364.1	2370.3	2381.3	2395.1	2408.2	2405.5	2384.1	2353.0	2329.6	*2324.0*
12.5°	2375.1	2378.6	2399.3	2431.0	2462.1	2487.6	2487.6	2470.4	2430.3	2394.4	*2384.1*
15°	2326.8	2333.0	2370.3	2437.9	2519.4	2575.3	2587.7	2563.5	2520.8	2465.5	*2453.1*
17.5°	2230.9	2246.0	2300.6	2400.7	2535.9	2651.9	2687.8	2676.1	2620.8	2550.4	*2535.9*
20°	2128.0	2144.6	2202.6	2335.1	2522.1	2696.8	2801.0	2803.7	2735.4	2633.3	*2611.9*
22.5°	2014.8	2027.2	2101.8	2257.1	2480.7	2707.1	2898.3	2945.9	2853.4	2716.1	*2685.7*
25°	1887.8	1901.6	1979.6	2147.3	2402.7	2695.4	2987.4	3092.3	2977.0	2804.4	*2765.8*
27.5°	1766.3	1771.8	1855.4	2025.9	2299.9	2665.0	3052.9	3226.9	3113.7	2877.6	*2828.6*
30°	1649.7	1662.8	1736.6	1905.1	2181.8	2605.7	3109.5	3380.1	3260.7	2954.2	*2891.4*
32.5°	1526.1	1542.0	1622.1	1792.5	2063.8	2516.6	3144.0	3547.8	3465.7	3078.5	*3011.5*
35°	1407.4	1417.8	1498.5	1664.2	1948.5	2413.1	3150.2	3737.0	3730.0	3266.9	*3177.9*
37.5°	1285.9	1301.1	1382.5	1541.3	1826.4	2303.3	3119.2	3937.8	4048.9	3528.5	*3432.6*
40°	1169.3	1182.4	1262.4	1422.6	1687.6	2169.4	3045.3	4121.4	4421.0	3797.7	*3661.7*
42.5°	1042.3	1045.7	1133.4	1296.3	1551.7	2014.1	2939.0	4285.0	4835.8	4158.7	*3989.6*
45°	898.0	907.0	988.4	1148.6	1395.7	1840.2	2794.8	4420.3	5361.8	4659.1	*4428.6*
47.5°	753.7	761.3	835.9	993.9	1225.2	1640.7	2572.5	4539.0	5901.5	5294.8	*4992.5*
50°	612.9	617.1	677.8	817.9	1033.3	1430.9	2297.1	4577.0	6511.7	6194.9	*5809.0*
52.5°	484.5	490.8	537.0	646.8	828.3	1183.1	1999.6	4483.1	7224.0	7262.0	*6718.1*
55°	392.7	394.8	429.3	510.1	647.4	923.5	1640.7	4221.5	7990.2	8629.4	*7935.7*
57.5°	338.2	339.6	358.9	403.8	498.4	696.5	1272.8	3726.6	8678.4	10231.4	*9339.6*
60°	307.2	307.8	318.9	345.1	394.8	534.2	911.8	3028.1	9357.6	12014.3	*11084.5*
62.5°	287.8	287.8	295.4	309.9	334.1	410.0	660.6	2184.6	9822.8	13823.4	*13235.3*
65°	269.2	269.2	274.7	285.1	298.2	335.5	488.0	1424.7	9811.1	15141.1	*15398.5*
67.5°	*247.8*	*247.8*	*251.9*	*262.3*	*269.9*	*288.5*	*376.9*	*933.2*	*8813.0*	*15112.1*	*16578.8*
70°	222.3	222.3	227.8	236.8	243.0	254.7	297.5	638.5	6474.4	12903.3	*14744.2*
72.5°	196.7	197.4	200.9	209.8	214.7	221.6	247.1	447.3	3971.6	8786.0	*10309.4*
75°	168.4	169.8	173.2	182.2	186.4	189.1	208.5	318.9	2009.3	4737.1	*5393.5*
77.5°	136.0	138.7	140.8	150.5	153.2	157.4	171.9	230.5	882.1	1702.1	*1717.3*
80°	99.4	102.8	109.1	118.0	120.1	122.9	131.1	163.6	399.6	777.2	*844.2*
82.5°	73.2	78.0	70.4	82.1	82.1	78.7	92.5	109.7	183.6	769.6	*920.8*
85°	40.0	40.7	36.6	42.1	44.9	44.2	49.0	53.8	89.0	513.5	*529.4*
87.5°	9.7	10.4	11.0	13.1	15.9	15.9	17.3	15.2	29.0	166.3	*95.3*
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)