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: STREETWORKS

Report Number: P316645

Luminaire Tested: **GAN-SA1C-830-U-5MQ**

Issue Date: 3/3/2020

Report Generated By E0585644

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P316645
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GAN-SA1C-830-U-5MQ
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6182 lumens
Efficiency:	N/A
Efficacy:	104.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G1

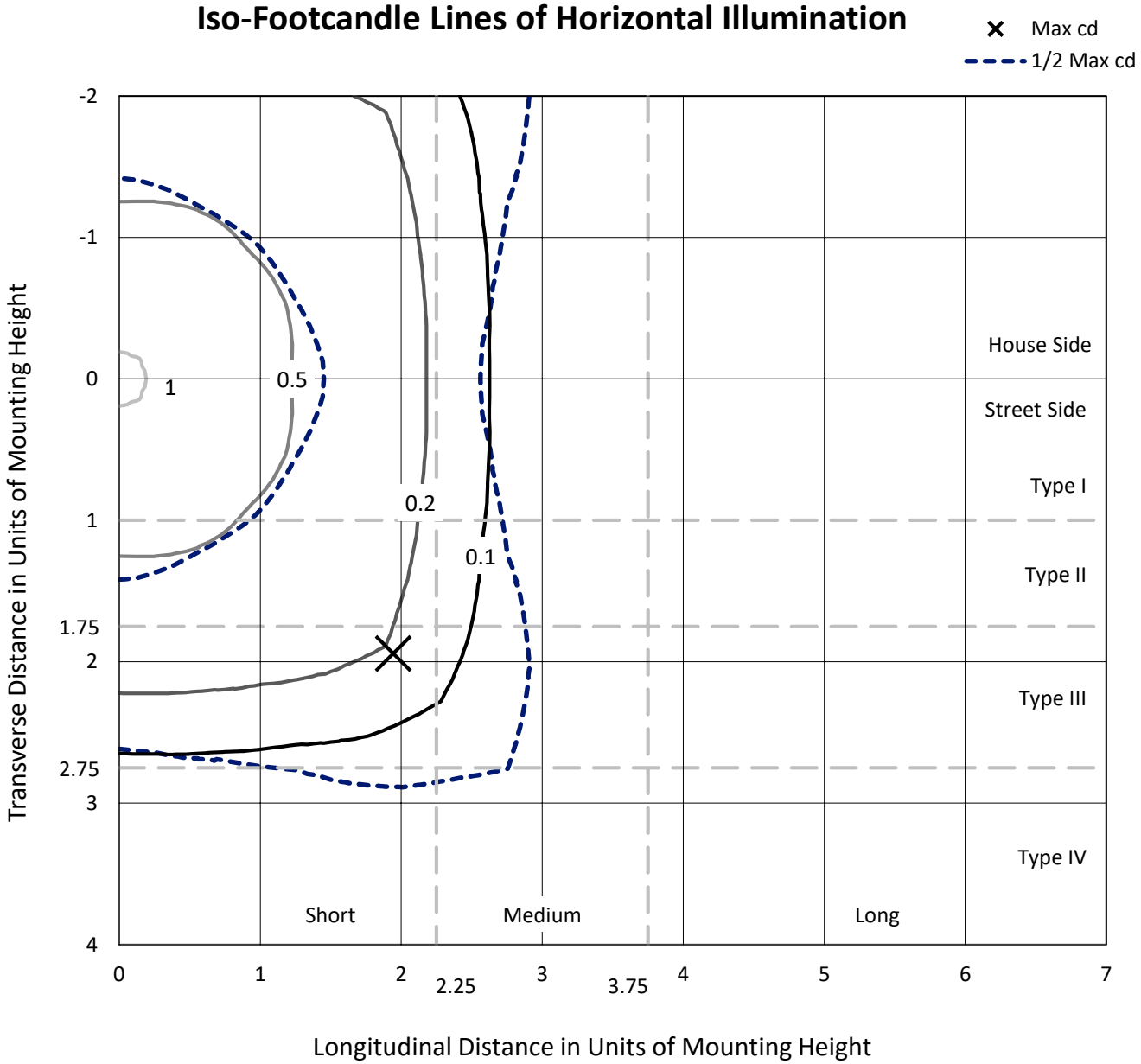
Input Watts (W):	59
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P316645
CATALOG NUMBER: GAN-SA1C-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination



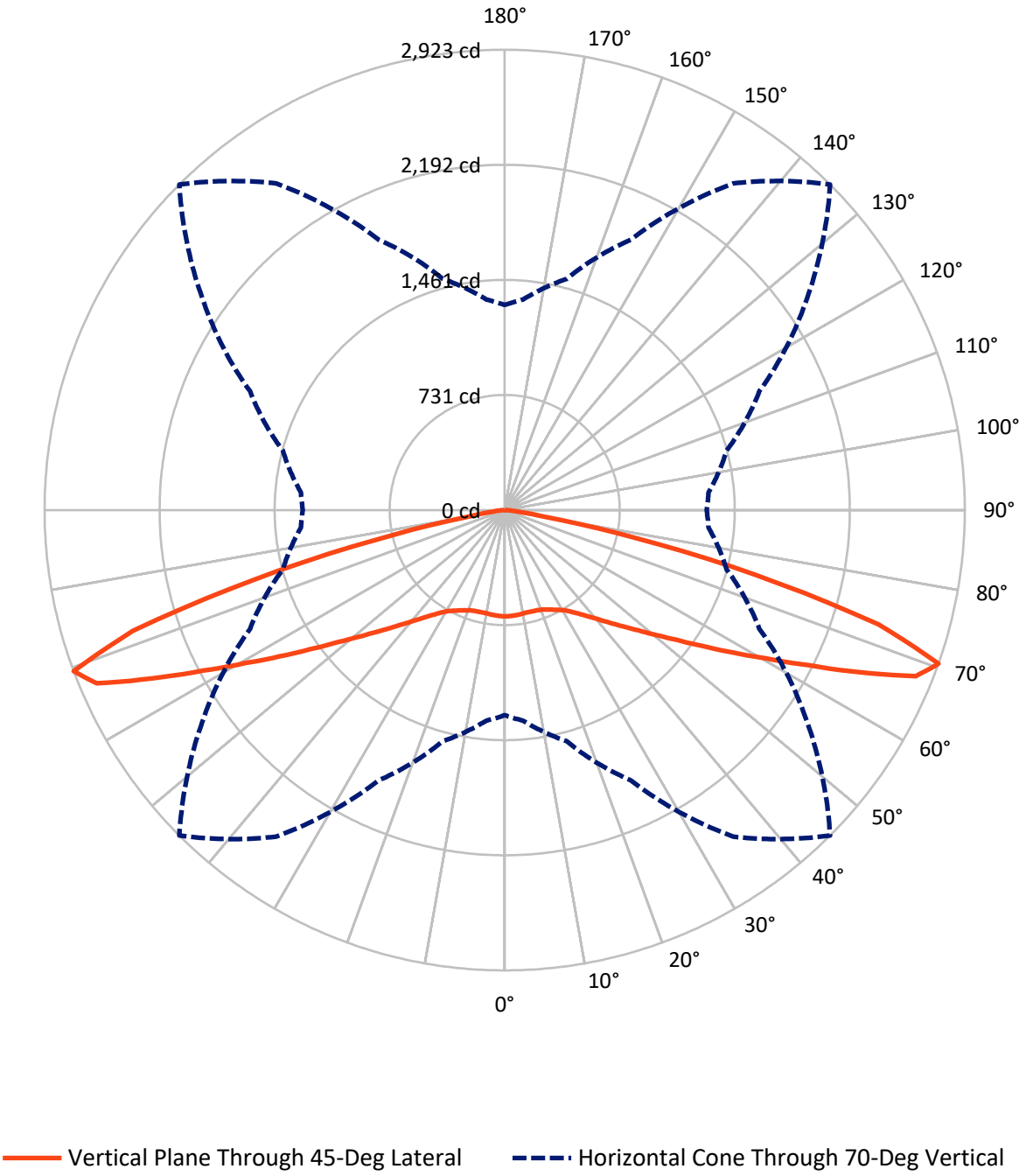
Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type V - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P316645
CATALOG NUMBER: GAN-SA1C-830-U-5MQ

Luminous Intensity Polar Plot



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

Scaled Data Report

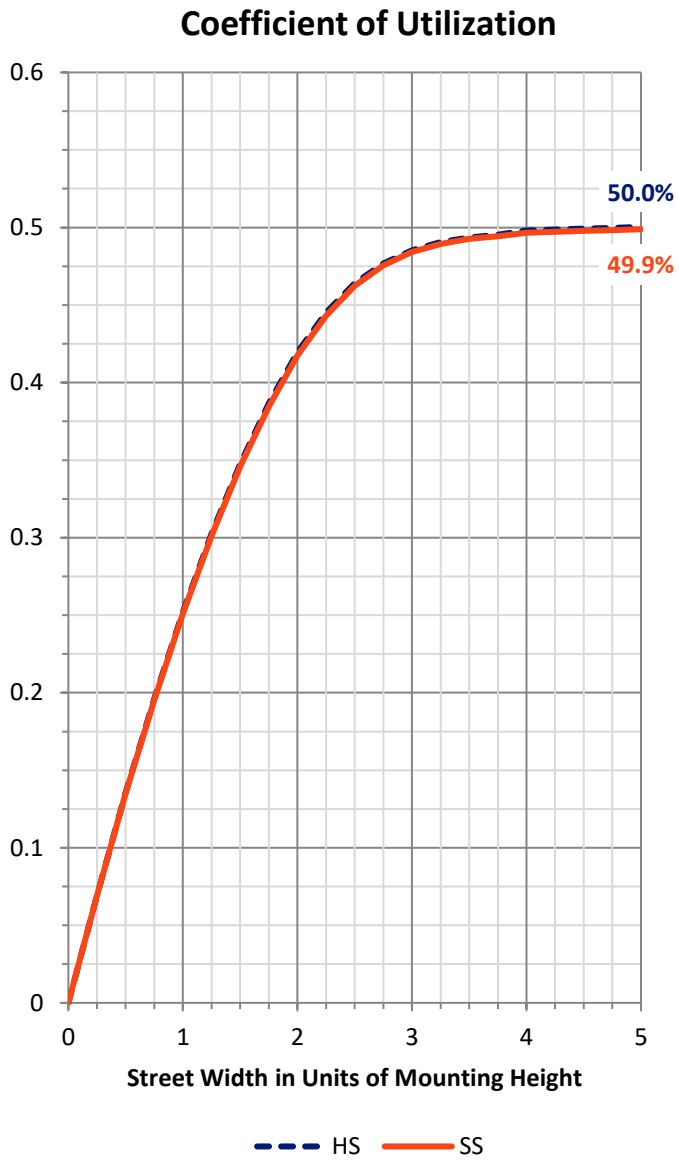
REPORT NUMBER: P316645
CATALOG NUMBER: GAN-SA1C-830-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3091.0	0.0	3091.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3091.0	0.0	3091.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6182.0	0.0	6182.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.0
10°-20°	187.7	3.0
20°-30°	319.6	5.2
30°-40°	506.8	8.2
40°-50°	824.8	13.3
50°-60°	1359.9	22.0
60°-70°	1996.4	32.3
70°-80°	882.8	14.3
80°-90°	40.0	0.6
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°	6182.0	100.0
0°-180°	6182.0	100.0



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

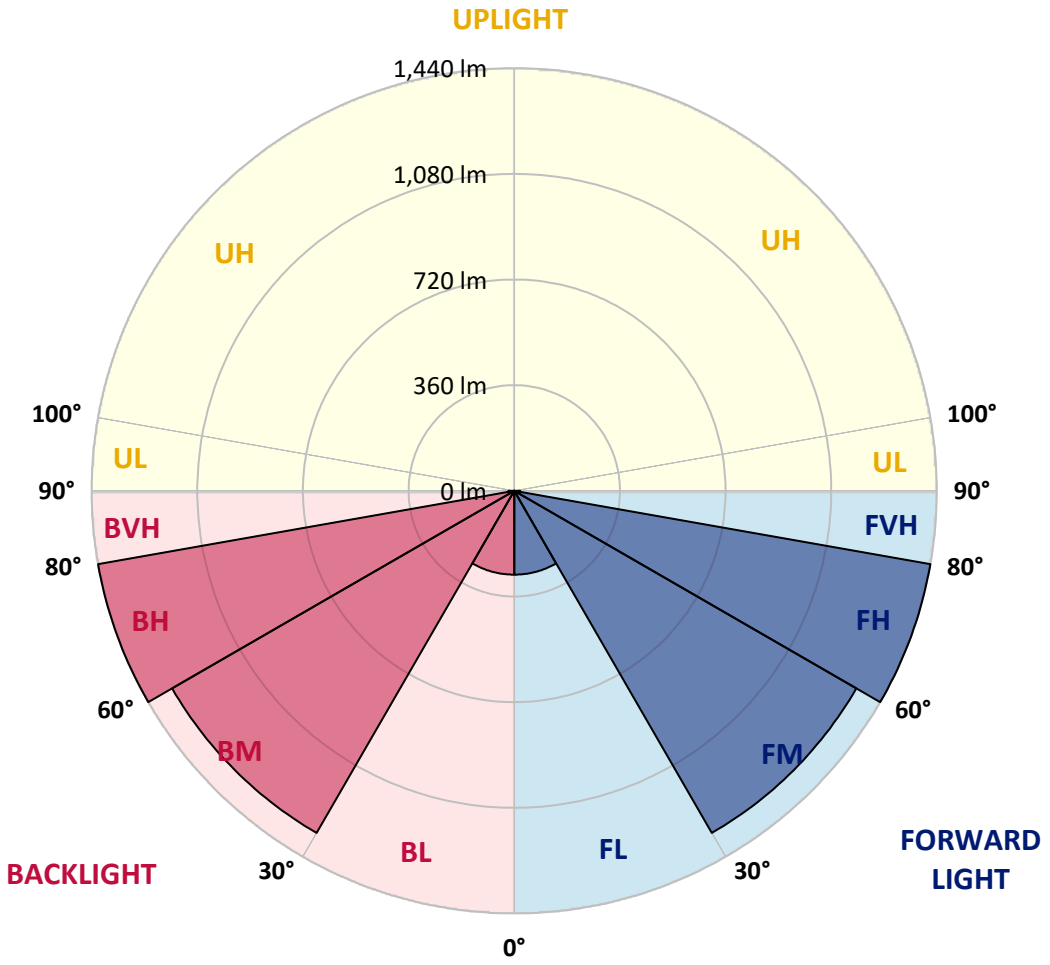
Scaled Data Report

REPORT NUMBER: P316645
CATALOG NUMBER: GAN-SA1C-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	285.6	4.6			
FM	(30°-60°)	1345.8	21.8			
FH	(60°-80°)	1439.6	23.3			G1/1800
FVH	(80°-90°)	20.0	0.3			G1/100
BL	(0°-30°)	285.6	4.6	B1/500		
BM	(30°-60°)	1345.8	21.8	B2/2500		
BH	(60°-80°)	1439.6	23.3	B3/2500		G1/1800
BVH	(80°-90°)	20.0	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-G1
Type V Short



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

Scaled Data Report

REPORT NUMBER: P316645
CATALOG NUMBER: GAN-SA1C-830-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	675.2	675.2	675.2	675.2	675.2	*675.2*	675.2	675.2	675.2	675.2	675.2
2.5°	674.1	673.5	675.0	674.8	673.5	*673.7*	673.7	674.4	674.4	673.9	673.9
5°	671.7	671.3	672.9	672.9	671.7	*672.1*	672.5	673.1	672.9	672.5	672.3
7.5°	668.6	668.4	670.1	670.1	669.2	*669.6*	669.2	669.4	669.0	668.6	668.0
10°	663.5	663.9	665.3	665.8	665.8	*666.0*	665.6	664.5	663.9	663.3	662.7
12.5°	658.8	658.6	660.6	661.7	663.3	*665.1*	663.9	661.1	659.8	658.6	658.2
15°	655.7	655.9	658.0	659.8	662.7	*666.6*	665.1	660.6	658.2	656.8	656.3
17.5°	655.1	655.5	658.2	661.5	664.5	*668.8*	668.0	663.5	659.4	656.8	656.1
20°	656.6	656.8	660.8	665.6	670.9	*675.0*	673.1	668.2	662.7	658.6	657.6
22.5°	659.2	660.0	665.1	672.5	680.7	*686.2*	684.0	675.6	667.0	661.9	660.4
25°	667.6	667.8	674.8	684.8	694.6	*700.9*	698.3	686.4	675.4	669.6	667.8
27.5°	685.0	685.6	692.6	704.2	712.6	*716.7*	715.1	705.5	696.0	689.9	690.5
30°	710.2	711.0	718.7	731.6	736.8	*737.8*	737.4	732.9	724.3	716.1	716.7
32.5°	740.8	741.3	751.7	763.4	767.4	*768.3*	767.4	763.4	753.1	742.1	742.7
35°	780.3	781.6	791.6	802.8	806.1	*807.7*	806.3	801.0	790.4	779.5	779.1
37.5°	829.0	829.2	839.7	851.3	855.4	*855.8*	854.2	850.7	837.4	827.6	827.0
40°	885.5	886.3	898.6	911.1	912.7	*910.9*	913.1	911.1	897.4	886.1	888.0
42.5°	954.2	956.1	970.8	983.1	978.4	*977.4*	978.8	979.4	968.4	954.7	953.4
45°	1034.2	1035.9	1054.3	1064.1	1061.0	*1054.3*	1057.2	1062.1	1046.7	1029.7	1031.4
47.5°	1125.5	1129.6	1149.2	1158.4	1150.9	*1141.7*	1147.2	1154.5	1136.5	1115.5	1114.4
50°	1227.0	1232.1	1258.3	1271.2	1263.6	*1246.6*	1255.8	1260.7	1234.7	1207.5	1205.3
52.5°	1335.2	1340.3	1373.3	1399.9	1394.9	*1368.6*	1381.4	1376.3	1346.5	1309.8	1307.0
55°	1457.8	1459.8	1495.4	1538.4	1543.3	*1523.8*	1523.0	1514.6	1470.4	1428.1	1426.0
57.5°	1583.8	1585.2	1631.3	1682.0	1705.1	*1705.1*	1682.2	1664.4	1605.7	1556.6	1551.5
60°	1719.8	1725.0	1775.9	1844.9	1898.9	*1914.8*	1874.3	1825.8	1762.0	1702.0	1696.1
62.5°	1841.0	1846.9	1924.9	2027.6	2114.3	*2172.4*	2073.4	1994.4	1878.2	1782.0	1770.8
65°	1856.3	1872.3	1985.8	2171.8	2366.0	*2482.0*	2292.1	2097.5	1885.8	1752.2	1740.7
67.5°	1695.3	1722.3	1875.7	2165.3	2566.5	*2815.5*	2431.8	2038.6	1749.9	1602.2	1589.5
70°	*1302.7*	*1342.0*	*1518.9*	*1894.0*	*2531.9*	*2922.9*	*2344.3*	*1784.7*	*1459.0*	*1300.0*	*1282.2*
72.5°	714.7	730.8	890.0	1296.9	2029.8	*2483.8*	1955.3	1319.7	967.5	787.3	757.4
75°	226.7	232.4	313.4	530.7	1148.2	*1645.2*	1242.1	647.8	356.6	262.9	259.8
77.5°	100.7	101.3	113.3	154.9	395.5	*833.5*	475.1	176.4	121.5	106.2	109.7
80°	63.6	63.6	70.2	76.7	107.6	*242.0*	128.5	83.9	71.6	66.5	67.9
82.5°	30.5	33.8	45.6	49.1	59.1	*81.4*	65.9	54.8	47.9	35.6	33.1
85°	20.1	16.8	28.8	32.5	34.4	*39.1*	38.3	36.2	31.3	17.8	19.8
87.5°	9.0	8.6	14.9	13.7	12.9	*9.8*	14.7	18.2	17.6	8.8	8.8
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)