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: P456483

Luminaire Tested: **GLAN-SA7D-730-U-5MQ**

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:	P456483
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab:	INNOVATION CENTER
Issue Date:	1/4/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA7D-730-U-5MQ
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	51467 lumens
Efficiency:	N/A
Efficacy:	118.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G4

Input Watts (W):	433
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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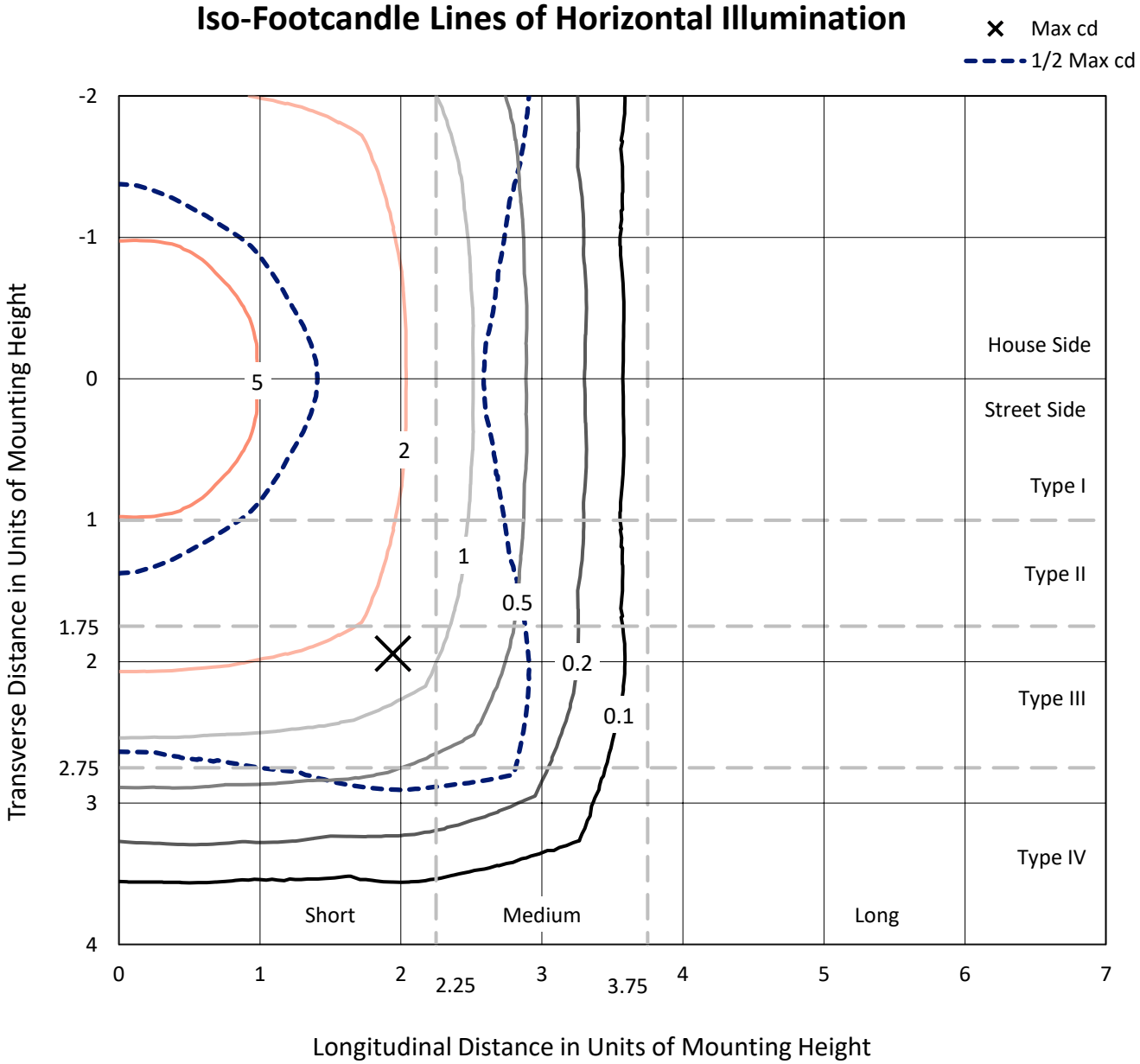
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
Type V - Short - N/A

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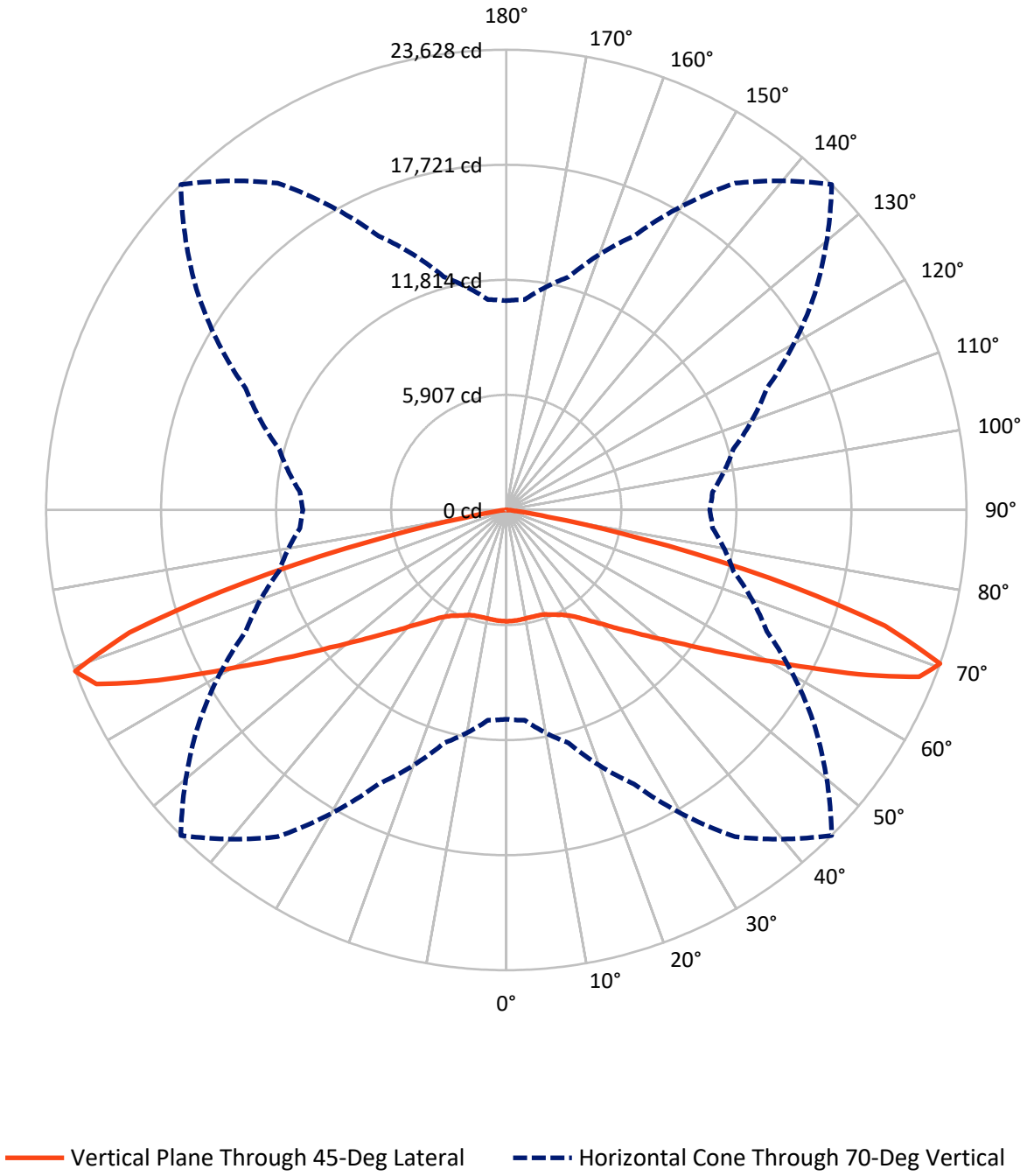
Luminous Intensity Polar Plot



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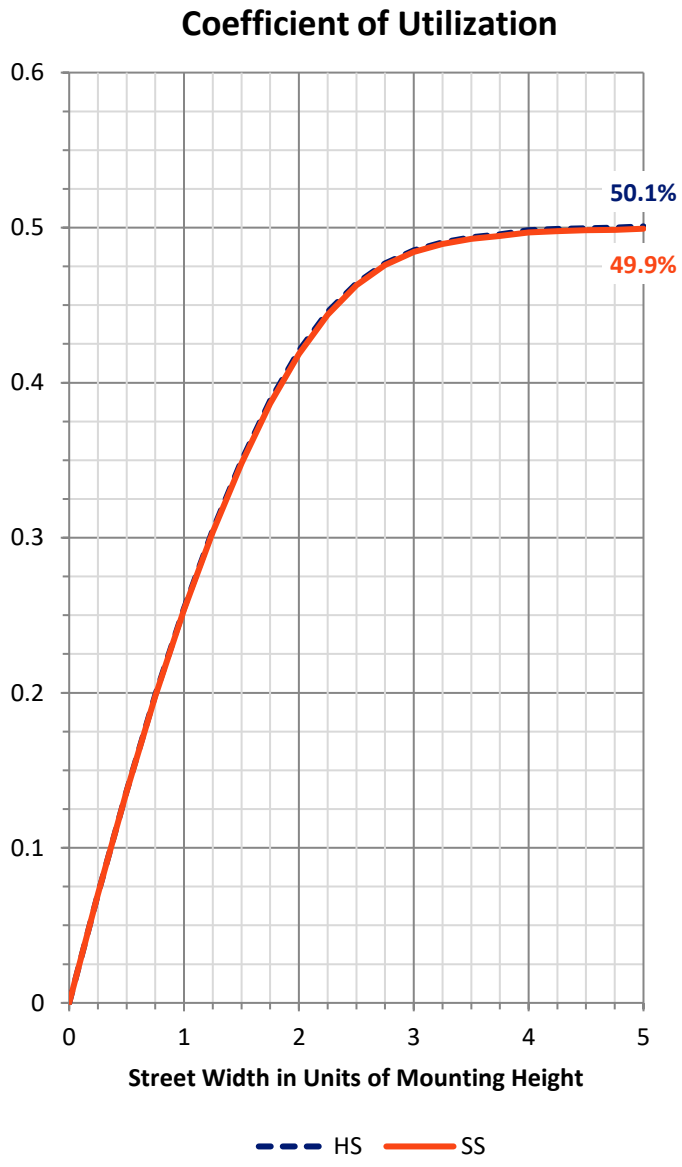
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25733.5	0.0	25733.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25733.5	0.0	25733.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51467.0	0.0	51467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.0	1.1
10°-20°	1590.4	3.1
20°-30°	2720.0	5.3
30°-40°	4317.2	8.4
40°-50°	6964.8	13.5
50°-60°	11331.8	22.0
60°-70°	16427.1	31.9
70°-80°	7286.5	14.2
80°-90°	287.4	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°	51467.0	100.0
0°-180°	51467.0	100.0



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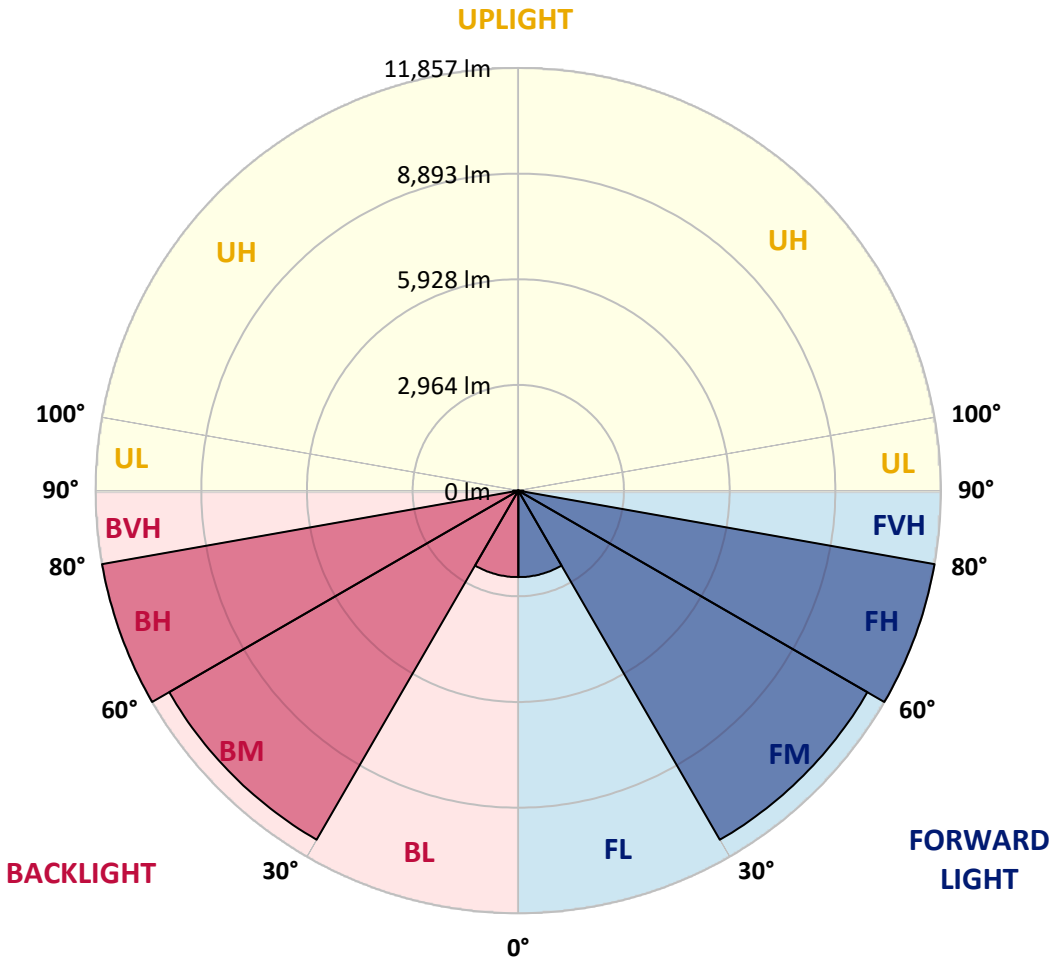
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2426.1	4.7			
FM	(30°-60°)	11306.9	22.0			
FH	(60°-80°)	11856.8	23.0			G4/12000
FVH	(80°-90°)	143.7	0.3			G2/225
BL	(0°-30°)	2426.1	4.7	B3/2500		
BM	(30°-60°)	11306.9	22.0	B5		
BH	(60°-80°)	11856.8	23.0	B5		G4/12000
BVH	(80°-90°)	143.7	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5715.2	5715.2	5715.2	5715.2	5715.2	5715.2	5715.2	5715.2	5715.2	5715.2	5715.2
2.5°	5715.2	5720.6	5712.5	5707.0	5704.3	5704.3	5701.6	5704.3	5720.6	5723.3	5715.2
5°	5698.9	5704.3	5701.6	5696.2	5693.5	5693.5	5690.8	5688.0	5701.6	5707.0	5704.3
7.5°	5677.2	5679.9	5677.2	5674.5	5677.2	5674.5	5666.3	5660.9	5671.8	5671.8	5669.1
10°	5639.2	5644.6	5641.9	5644.6	5650.1	5650.1	5639.2	5628.4	5631.1	5625.7	5625.7
12.5°	5593.1	5601.2	5604.0	5614.8	5628.4	5644.6	5620.2	5595.8	5590.4	5587.7	5585.0
15°	5563.3	5571.4	5582.3	5593.1	5617.5	5652.8	5617.5	5579.5	5568.7	5557.8	5552.4
17.5°	5555.1	5566.0	5582.3	5598.5	5631.1	5666.3	5636.5	5598.5	5571.4	5555.1	5549.7
20°	5576.8	5585.0	5609.4	5639.2	5685.3	5720.6	5690.8	5650.1	5609.4	5585.0	5576.8
22.5°	5620.2	5633.8	5663.6	5717.9	5783.0	5834.5	5793.8	5726.0	5660.9	5628.4	5617.5
25°	5715.2	5726.0	5761.3	5834.5	5910.5	5959.3	5915.9	5837.2	5747.7	5704.3	5690.8
27.5°	5858.9	5875.2	5913.2	6000.0	6062.4	6089.5	6059.7	6005.4	5940.3	5894.2	5883.3
30°	6062.4	6081.4	6138.3	6230.5	6271.2	6287.5	6273.9	6238.7	6192.6	6143.7	6132.9
32.5°	6336.3	6347.2	6412.3	6499.1	6537.0	6542.5	6526.2	6509.9	6434.0	6352.6	6347.2
35°	6642.8	6661.8	6740.5	6843.6	6878.8	6881.5	6849.0	6824.6	6735.1	6670.0	6670.0
37.5°	7049.7	7057.8	7133.8	7250.4	7288.4	7277.5	7261.3	7239.6	7144.6	7060.6	7063.3
40°	7527.1	7543.4	7608.5	7744.1	7744.1	7730.5	7741.4	7725.1	7630.2	7548.8	7551.5
42.5°	8094.0	8102.1	8180.8	8324.6	8313.7	8286.6	8297.4	8275.7	8216.1	8123.8	8091.3
45°	8698.9	8731.4	8867.1	9005.4	8983.7	8896.9	8940.3	8934.9	8880.6	8742.3	8750.4
47.5°	9428.5	9482.8	9613.0	9778.4	9754.0	9618.4	9667.2	9699.8	9623.8	9471.9	9444.8
50°	10250.4	10285.7	10478.3	10632.9	10611.2	10467.4	10578.6	10584.0	10394.2	10179.9	10179.9
52.5°	11126.5	11161.8	11422.2	11663.6	11677.2	11468.3	11557.8	11552.4	11243.2	10961.1	10906.8
55°	12108.5	12124.7	12461.1	12816.4	12892.4	12688.9	12699.8	12591.3	12189.8	11861.6	11831.8
57.5°	13122.9	13182.6	13554.2	14015.3	14240.5	14115.7	14058.7	13768.5	13380.6	13003.6	12984.6
60°	14245.9	14248.6	14731.4	15276.6	15732.3	15816.4	15583.1	15195.2	14693.4	14194.3	14172.6
62.5°	15024.4	15141.0	15751.3	16673.5	17490.0	17962.0	17346.2	16532.5	15545.1	14739.5	14658.2
65°	15184.4	15263.1	16193.4	17755.8	19424.0	20441.2	19017.1	17286.6	15602.1	14528.0	14473.7
67.5°	13890.5	13974.6	15227.8	17625.6	20780.2	22866.1	20102.1	16923.1	14636.5	13307.4	13201.6
70°	10744.1	10839.0	12387.8	15515.3	20479.1	23628.3	19329.0	14761.2	12070.5	10635.6	10443.0
72.5°	5712.5	6062.4	7386.0	10649.1	16622.0	20343.5	15848.9	10771.2	7784.8	6363.4	6108.5
75°	2085.9	2129.3	2867.1	4722.4	9669.9	13950.2	10041.6	5137.4	2953.9	2281.2	2164.5
77.5°	862.6	859.9	943.9	1426.8	3512.6	7144.6	3919.5	1508.1	941.2	870.7	859.9
80°	509.9	509.9	561.5	594.0	925.0	2156.4	1033.4	672.7	564.2	515.4	523.5
82.5°	227.8	241.4	355.3	374.3	447.6	591.3	499.1	428.6	368.9	255.0	230.6
85°	124.8	108.5	187.2	195.3	214.3	219.7	236.0	233.3	214.3	124.8	127.5
87.5°	24.4	29.8	54.2	40.7	46.1	40.7	54.2	75.9	78.7	43.4	35.3
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)