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: P455528

Luminaire Tested: **GLAN-SA6D-727-U-5WQ**

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:	P455528
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab:	INNOVATION CENTER
Issue Date:	1/4/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA6D-727-U-5WQ
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40152 lumens
Efficiency:	N/A
Efficacy:	109.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G4

Input Watts (W):	368
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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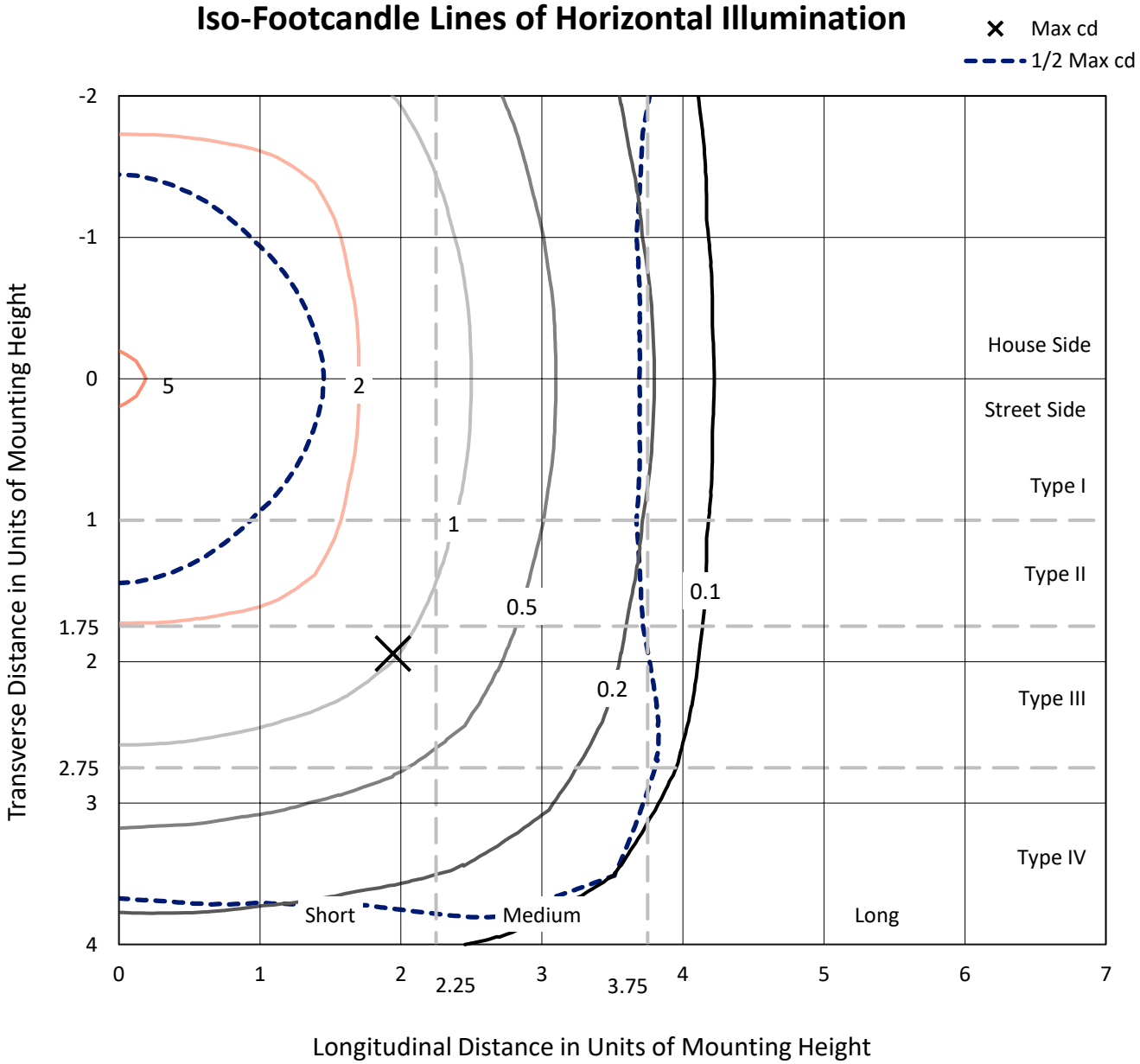
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
Type V - Short - N/A

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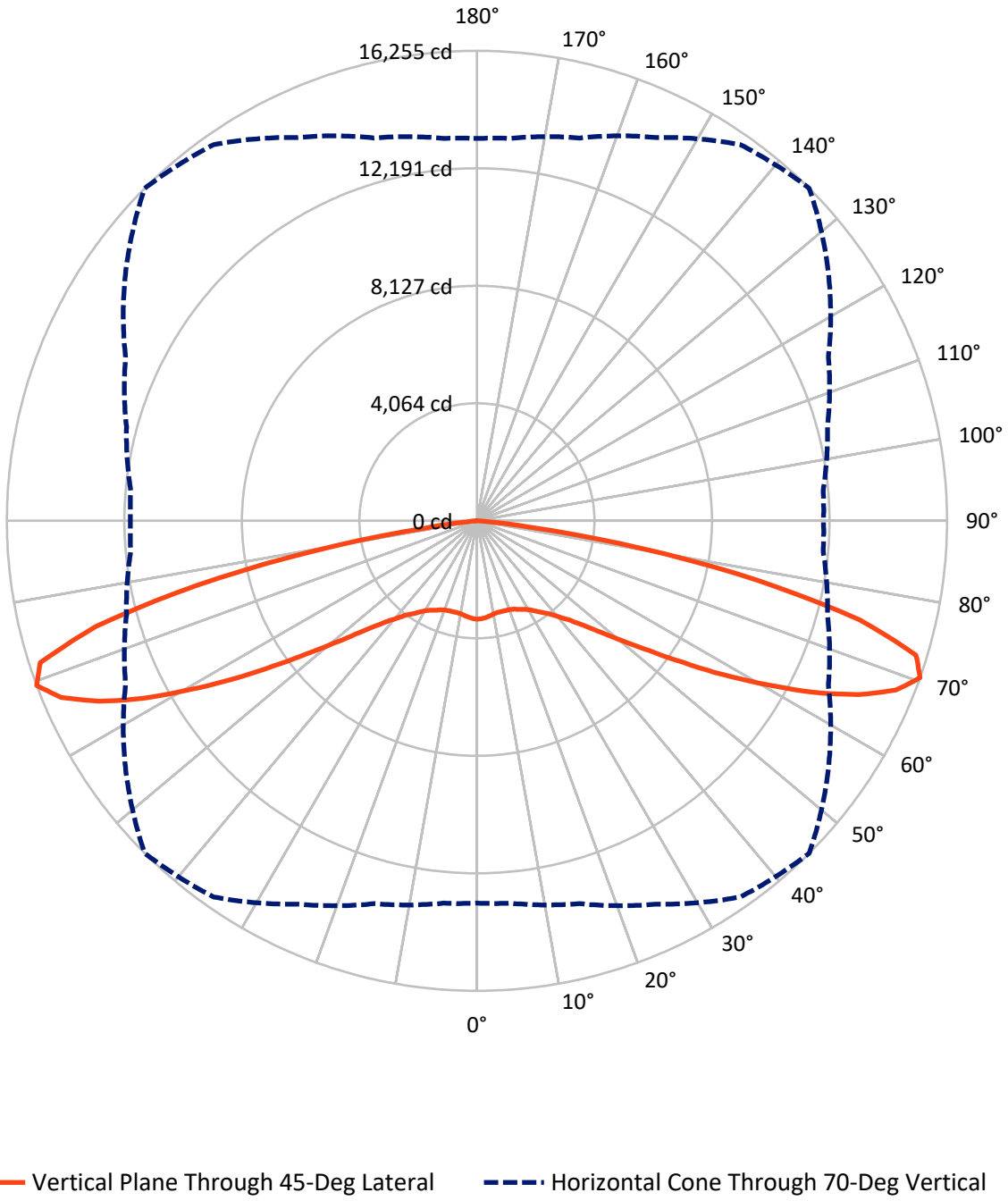
Luminous Intensity Polar Plot



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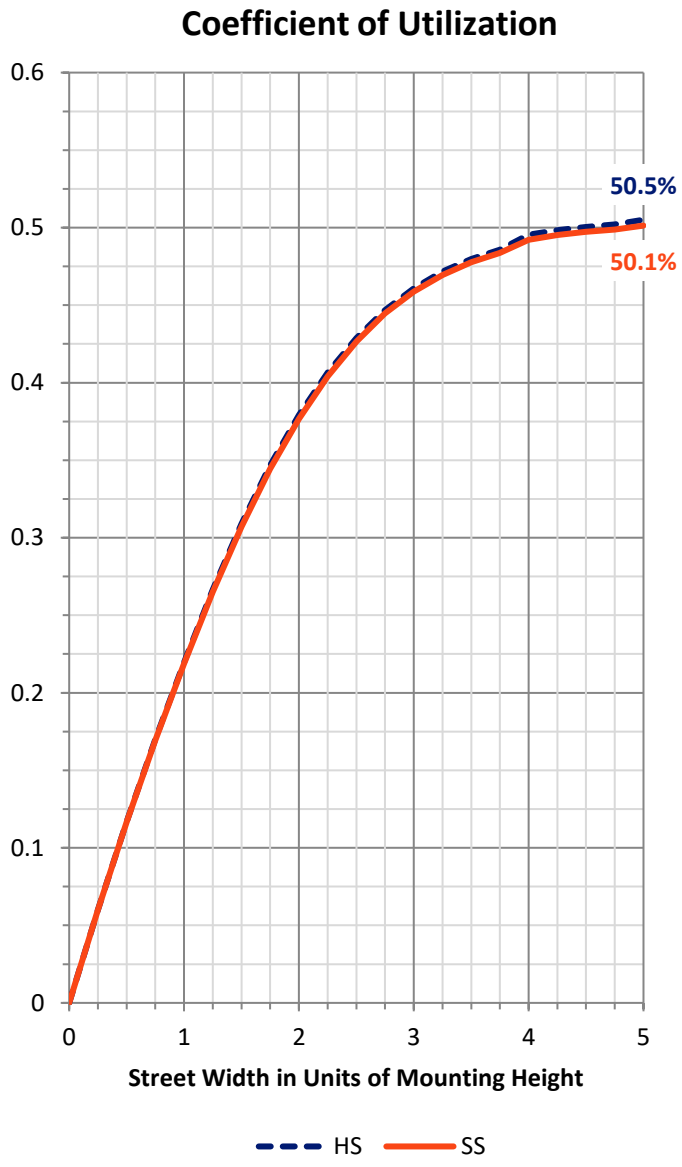
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20076.0	0.0	20076.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20076.0	0.0	20076.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40152.0	0.0	40152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.9	0.8
10°-20°	930.7	2.3
20°-30°	1585.7	3.9
30°-40°	2457.8	6.1
40°-50°	4136.8	10.3
50°-60°	7526.7	18.7
60°-70°	12742.4	31.7
70°-80°	9863.1	24.6
80°-90°	591.0	1.5
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°	40152.0	100.0
0°-180°	40152.0	100.0



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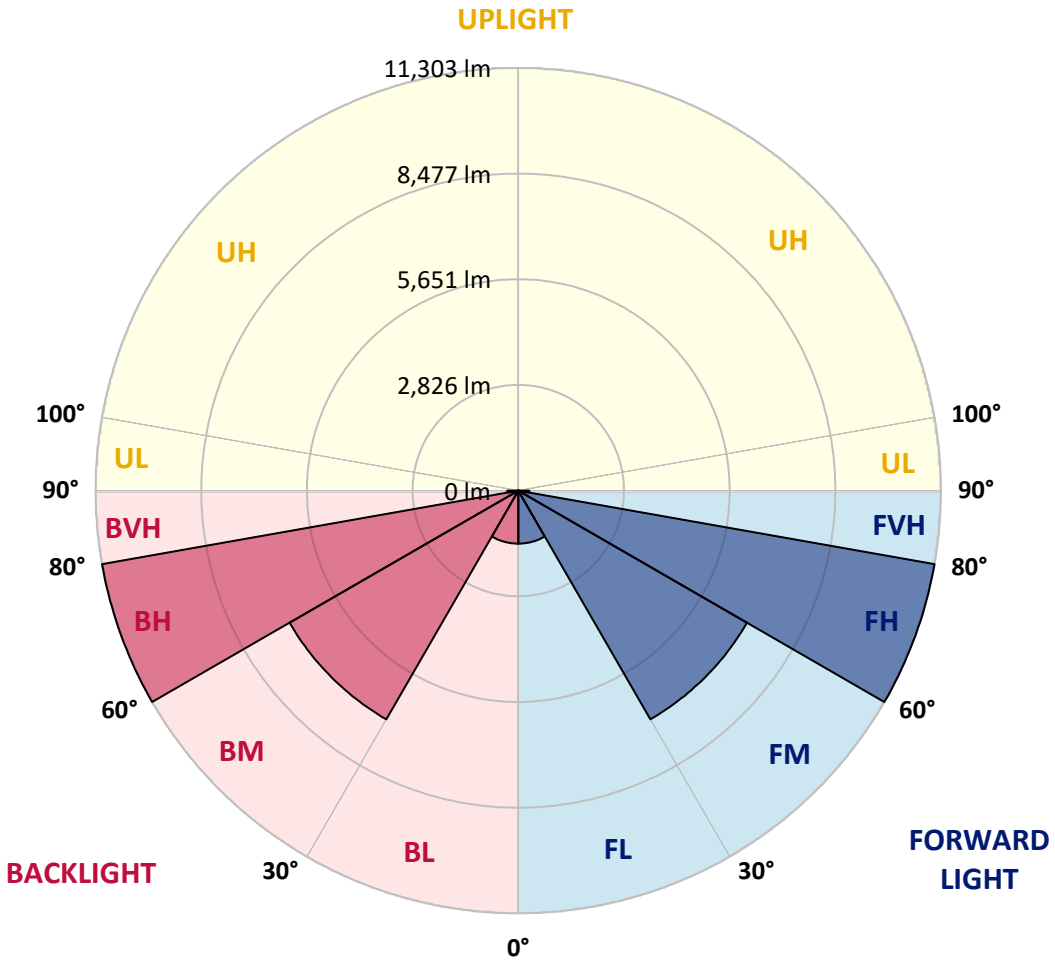
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1417.1	3.5			
FM	(30°-60°)	7060.6	17.6			
FH	(60°-80°)	11302.8	28.1			G4/12000
FVH	(80°-90°)	295.5	0.7			G3/500
BL	(0°-30°)	1417.1	3.5	B3/2500		
BM	(30°-60°)	7060.6	17.6	B4/8500		
BH	(60°-80°)	11302.8	28.1	B5		G4/12000
BVH	(80°-90°)	295.5	0.7			G3/500
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°	3399.4	3399.4	3399.4	3399.4	3399.4	*3399.4*	3399.4	3399.4	3399.4	3399.4	3399.4
2.5°	3390.9	3393.0	3393.0	3388.8	3386.6	*3386.6*	3384.5	3384.5	3390.9	3393.0	3395.1
5°	3361.2	3361.2	3361.2	3359.1	3354.8	*3354.8*	3350.6	3350.6	3352.7	3359.1	3354.8
7.5°	3320.9	3325.1	3325.1	3316.7	3310.3	*3310.3*	3308.2	3310.3	3312.4	3318.8	3316.7
10°	3308.2	3310.3	3299.7	3284.8	3274.2	*3267.9*	3270.0	3274.2	3284.8	3289.1	3291.2
12.5°	3316.7	3316.7	3297.6	3276.4	3257.3	*3248.8*	3246.7	3261.5	3280.6	3293.3	3297.6
15°	3327.3	3323.0	3299.7	3272.1	3253.0	*3250.9*	3248.8	3259.4	3287.0	3312.4	3314.5
17.5°	3333.6	3331.5	3301.8	3267.9	3257.3	*3257.3*	3255.2	3263.6	3293.3	3325.1	3327.3
20°	3354.8	3348.5	3314.5	3278.5	3270.0	*3274.2*	3267.9	3278.5	3310.3	3348.5	3356.9
22.5°	3397.2	3390.9	3356.9	3320.9	3316.7	*3316.7*	3314.5	3325.1	3359.1	3399.4	3405.7
25°	3448.1	3441.8	3410.0	3384.5	3388.8	*3397.2*	3393.0	3395.1	3422.7	3456.6	3467.2
27.5°	3516.0	3505.4	3477.8	3456.6	3469.3	*3469.3*	3469.3	3467.2	3484.2	3516.0	3526.6
30°	3598.7	3594.5	3564.8	3562.6	3573.2	*3562.6*	3562.6	3564.8	3566.9	3596.6	3607.2
32.5°	3706.8	3698.4	3683.5	3679.3	3709.0	*3717.5*	3687.8	3660.2	3675.0	3704.7	3711.1
35°	3885.0	3872.3	3851.1	3827.7	3851.1	*3891.3*	3827.7	3806.5	3844.7	3885.0	3889.2
37.5°	4126.7	4120.4	4086.4	4044.0	4041.9	*4084.3*	4018.6	4016.5	4088.6	4137.3	4143.7
40°	4430.0	4436.3	4393.9	4353.6	4332.4	*4366.4*	4315.5	4334.6	4404.5	4459.7	4455.4
42.5°	4856.2	4832.9	4767.2	4729.0	4705.7	*4692.9*	4680.2	4709.9	4788.4	4847.7	4894.4
45°	5354.6	5346.1	5263.4	5216.7	5165.8	*5146.8*	5142.5	5195.5	5291.0	5363.1	5369.4
47.5°	5918.7	5899.6	5846.6	5797.8	5778.7	*5755.4*	5734.2	5774.5	5869.9	5920.8	5935.6
50°	6499.7	6504.0	6504.0	6495.5	6514.6	*6518.8*	6461.5	6476.4	6529.4	6525.2	6520.9
52.5°	7163.5	7186.8	7297.1	7307.7	7398.9	*7460.4*	7356.4	7294.9	7275.9	7161.3	7169.8
55°	7943.9	7965.1	8130.5	8295.9	8541.9	*8645.8*	8427.4	8236.5	8100.8	7926.9	7935.4
57.5°	8917.2	8927.8	9084.7	9402.8	9793.0	*10036.9*	9653.1	9275.6	8999.9	8834.5	8768.8
60°	9964.8	9975.4	10204.4	10592.5	11199.0	*11495.9*	11020.9	10403.8	10056.0	9803.6	9820.6
62.5°	11222.3	11264.7	11470.4	12004.8	12740.7	*13073.6*	12443.8	11618.9	11148.1	10834.3	10847.0
65°	12568.9	12641.0	12865.8	13453.2	14131.8	*14490.2*	13718.3	12766.1	12180.9	11797.0	11837.3
67.5°	13442.6	13506.2	13830.7	14479.6	15325.7	*15622.6*	14625.9	13516.9	12785.2	12327.2	12242.4
70°	*13220.0*	*13273.0*	*13705.6*	*14625.9*	*15879.2*	*16254.6*	*14842.2*	*13406.6*	*12545.6*	*12017.6*	*11983.6*
72.5°	11669.8	11559.5	12191.5	13512.6	15247.3	*15877.1*	14161.5	12244.5	11160.8	10618.0	10554.3
75°	7733.9	7973.5	8906.6	10463.2	12899.7	*13680.1*	12087.6	9831.2	8467.6	8016.0	7946.0
77.5°	2585.0	2769.5	3598.7	5931.4	8794.2	*9966.9*	8806.9	6429.7	4548.7	3664.4	3681.4
80°	685.0	676.5	875.8	1630.8	3800.2	*5772.3*	4423.6	2177.9	1191.8	863.1	818.6
82.5°	246.0	275.7	354.1	451.7	1007.3	*1794.0*	1266.0	610.7	447.5	330.8	320.2
85°	108.2	106.0	152.7	180.3	252.4	*335.1*	296.9	258.7	226.9	150.6	140.0
87.5°	23.3	23.3	36.1	27.6	44.5	*44.5*	55.1	65.7	67.9	44.5	36.1
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)