

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: P482317

Luminaire Tested: **IFLD-L-SA7C-722-U-T3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482317
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

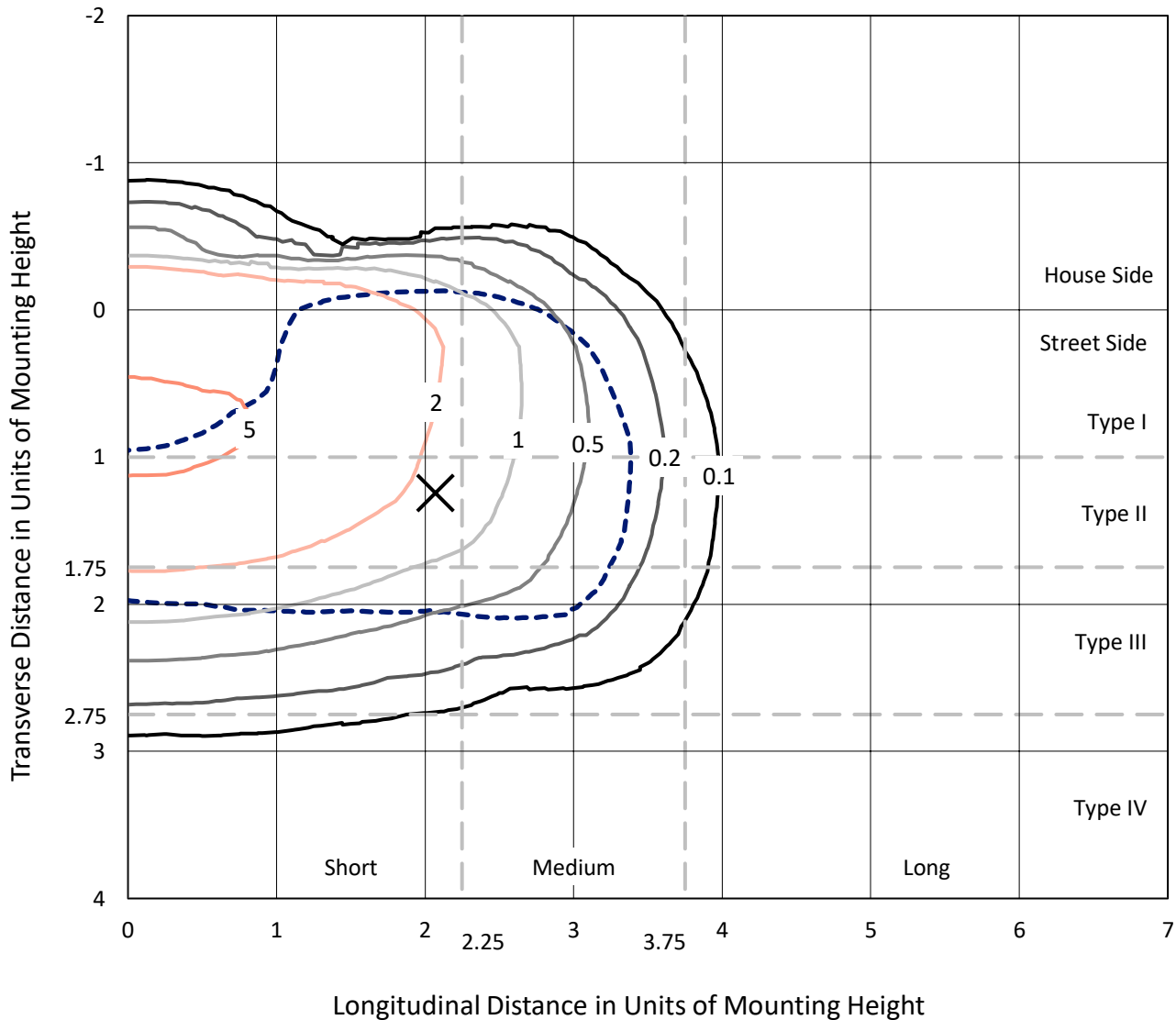
Lumens per Lamp: N/A
Luminaire Lumens: 24230.1 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 369
Input Voltage (V): 120
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

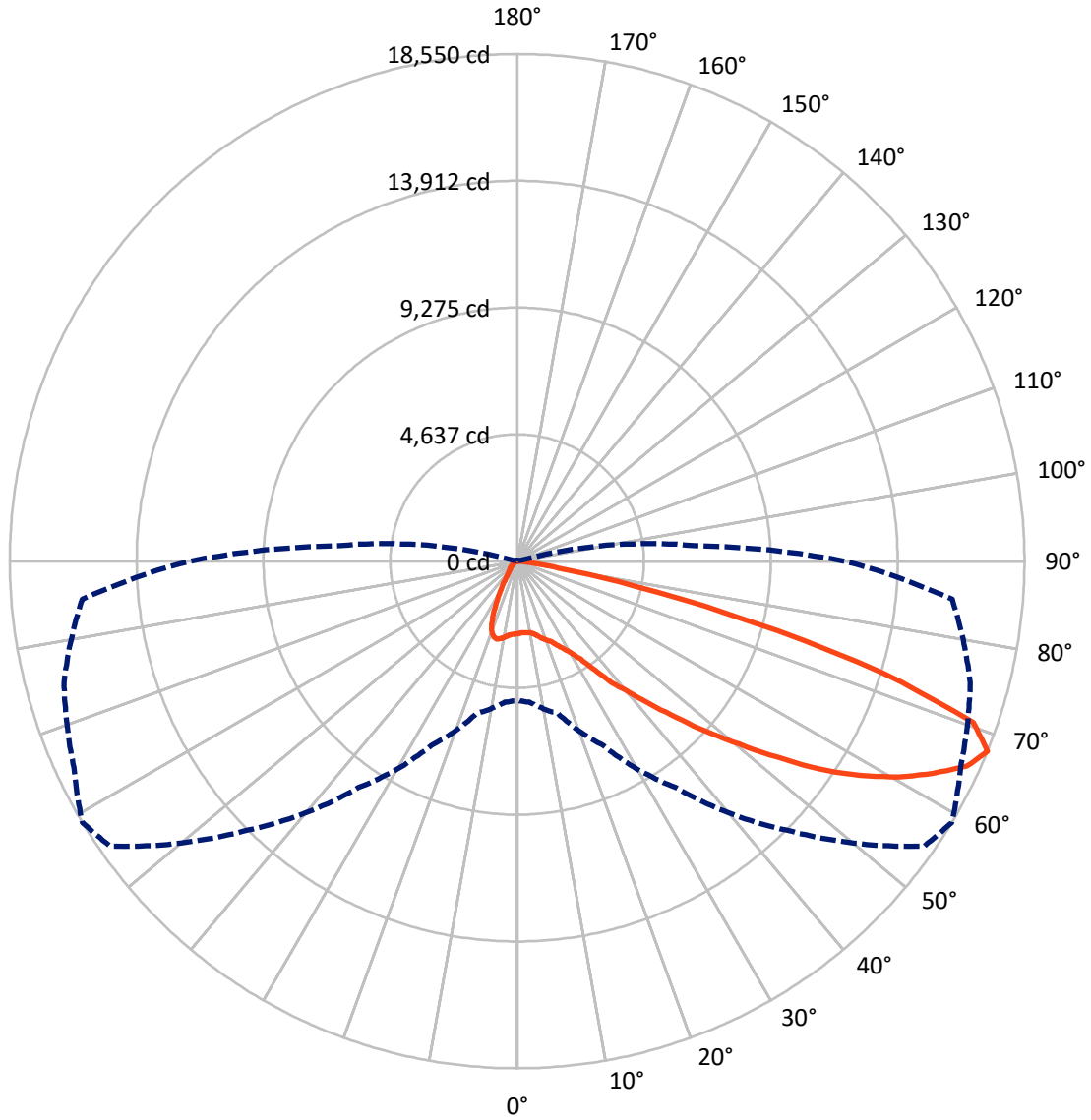
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2846.2	0.0	2846.2
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	21383.9	0.0	21383.9
	% Fixture	88.3	0.0	88.3
Total	Lumens	24230.1	0.0	24230.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	1.0
10°-20°	729.2	3.0
20°-30°	1274.5	5.3
30°-40°	2243.9	9.3
40°-50°	3966.5	16.4
50°-60°	6280.3	25.9
60°-70°	6966.6	28.8
70°-80°	2417.2	10.0
80°-90°	99.5	0.4
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°	24230.1	100.0
0°-180°	24230.1	100.0

Coefficient of Utilization

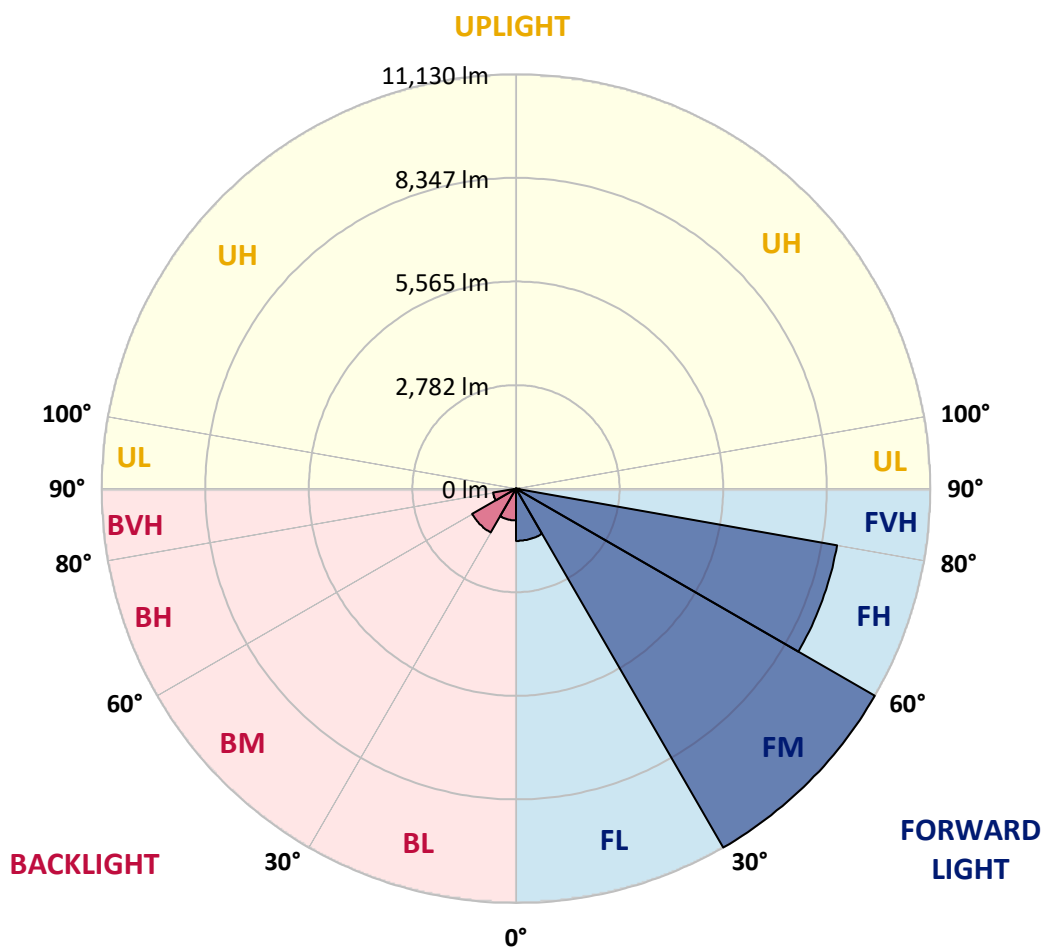


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.1	5.8			
FM (30°-60°)	11129.8	45.9			
FH (60°-80°)	8757.9	36.1			G4/12000
FVH (80°-90°)	93.1	0.4			G1/100
BL (0°-30°)	853.0	3.5	B2/1000		
BM (30°-60°)	1360.8	5.6	B2/2500		
BH (60°-80°)	625.9	2.6	B2/1000		G2/1000
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6
2.5°	2580.6	2543.8	2577.3	2580.6	2584.0	2614.1	2647.6	2624.1	2620.8	2647.6	2671.0
5°	2476.9	2460.1	2500.3	2520.4	2553.9	2580.6	2634.2	2637.5	2640.9	2671.0	2711.2
7.5°	2433.4	2393.2	2440.0	2463.5	2486.9	2550.5	2614.1	2647.6	2694.4	2731.2	2771.4
10°	2346.3	2376.5	2389.8	2430.0	2496.9	2570.6	2647.6	2664.3	2768.1	2798.2	2895.3
12.5°	2376.5	2396.5	2423.3	2433.4	2507.0	2617.4	2721.2	2727.9	2835.0	2965.5	3015.8
15°	2453.4	2440.0	2450.1	2463.5	2550.5	2640.9	2808.2	2838.4	2938.8	3086.0	3209.9
17.5°	2617.4	2594.0	2577.3	2573.9	2594.0	2677.7	2875.2	2965.5	3059.3	3260.1	3323.7
20°	3029.1	3009.1	2942.1	2768.1	2707.8	2741.3	2955.5	3082.7	3213.2	3437.5	3541.3
22.5°	3655.1	3675.1	3517.8	3273.5	3022.4	2891.9	3082.7	3193.1	3400.7	3685.2	3778.9
25°	4394.8	4354.6	4163.8	3879.3	3484.3	3176.4	3286.9	3410.7	3665.1	3899.4	3936.2
27.5°	4973.8	4927.0	4779.7	4434.9	4093.5	3594.8	3554.6	3631.6	3932.9	4143.7	4103.6
30°	5546.2	5562.9	5462.5	5054.1	4632.4	4106.9	3852.5	3886.0	4117.0	4388.1	4297.7
32.5°	6275.8	6235.7	6178.8	5820.6	5321.9	4759.6	4324.5	4270.9	4371.3	4729.5	4622.4
35°	6955.3	6931.9	6854.9	6493.4	6058.3	5445.8	5020.7	4900.2	4876.8	5275.1	5087.6
37.5°	7547.7	7507.6	7390.4	7159.5	6737.7	6222.3	5757.0	5649.9	5646.6	5921.1	5559.6
40°	8046.5	8076.6	8063.2	7808.8	7577.9	7166.2	6453.2	6282.5	6269.2	6416.4	6205.6
42.5°	8692.5	8762.8	8725.9	8675.7	8397.9	8237.3	7430.6	7169.5	7052.4	7353.6	7162.8
45°	9669.8	9696.6	9720.0	9596.2	9318.4	9351.8	8441.4	8130.1	8100.0	8548.5	8120.1
47.5°	10583.6	10513.3	10677.3	10684.0	10670.6	10516.6	9532.6	9301.6	9341.8	9683.2	9241.4
50°	10811.2	10991.9	11443.8	11527.5	11745.0	11885.6	10744.2	10513.3	10580.2	10968.5	10463.1
52.5°	10988.6	11263.0	11714.9	12327.4	12913.2	13247.9	12099.8	11912.4	11909.0	12146.7	11450.5
55°	11299.9	11467.2	11858.8	12702.3	13816.9	14365.8	13733.2	13432.0	13160.9	13328.2	12474.7
57.5°	11269.7	11333.3	11942.5	12983.5	14533.2	15530.6	15075.4	14787.6	14439.5	14342.4	13652.9
60°	10740.9	10891.5	11574.3	12792.7	14975.0	16437.7	16327.2	16032.7	15433.6	15206.0	14556.6
62.5°	9693.3	9894.1	10429.6	12123.3	14332.4	16484.6	17190.8	17080.3	16410.9	16002.6	15734.8
65°	7855.7	7949.4	8565.3	10422.9	12879.7	15764.9	18211.7	18074.4	17458.6	16849.4	16340.6
67.5°	5087.6	5178.0	5770.4	7440.6	10115.0	13907.3	18171.5	18549.7	17883.6	17150.6	15962.4
70°	2403.2	2379.8	2932.1	4133.7	6480.0	10620.4	16943.1	17689.5	17123.9	15547.4	13257.9
72.5°	733.0	796.6	1218.4	1830.9	3327.0	6623.9	13281.4	13980.9	13803.5	12421.2	8849.8
75°	324.7	351.4	478.6	749.8	1348.9	2717.9	8203.8	8826.3	8749.4	7326.8	4040.0
77.5°	207.5	227.6	301.2	428.4	612.5	863.6	3778.9	4384.7	4250.8	2573.9	1057.7
80°	147.3	157.3	214.2	294.5	384.9	354.8	1302.0	1546.4	1482.8	699.5	284.5
82.5°	80.3	87.0	157.3	217.6	257.7	180.7	364.8	455.2	475.3	311.3	137.2
85°	30.1	36.8	97.1	154.0	133.9	83.7	107.1	130.5	170.7	170.7	63.6
87.5°	0.0	3.3	40.2	66.9	33.5	23.4	30.1	36.8	46.9	80.3	23.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6	2657.6
2.5°	2687.7	2664.3	2674.3	2691.1	2654.3	2674.3	2634.2	2664.3	2674.3	2634.2	2654.3
5°	2721.2	2744.6	2731.2	2704.5	2681.0	2687.7	2677.7	2654.3	2674.3	2681.0	2667.7
7.5°	2818.3	2791.5	2798.2	2768.1	2721.2	2717.9	2654.3	2637.5	2644.2	2650.9	2627.5
10°	2908.6	2925.4	2891.9	2868.5	2791.5	2741.3	2654.3	2560.5	2550.5	2510.3	2543.8
12.5°	3069.3	3029.1	3015.8	2938.8	2861.8	2694.4	2507.0	2363.1	2242.6	2199.1	2155.5
15°	3203.2	3196.5	3173.1	3055.9	2878.5	2573.9	2219.1	1884.4	1653.5	1509.5	1489.5
17.5°	3387.3	3357.2	3313.6	3129.6	2754.7	2259.3	1653.5	1231.7	1000.8	910.4	876.9
20°	3527.9	3504.4	3444.2	3112.8	2530.4	1683.6	1024.2	783.2	726.3	709.6	712.9
22.5°	3732.0	3658.4	3544.6	3029.1	2122.1	1121.3	736.4	699.5	689.5	676.1	679.5
25°	3909.4	3842.5	3604.8	2885.2	1512.9	743.1	682.8	662.7	646.0	629.3	625.9
27.5°	4066.7	3983.1	3668.4	2590.7	947.2	639.3	632.6	609.2	575.7	548.9	538.9
30°	4220.7	4123.6	3685.2	2038.4	639.3	579.1	562.3	525.5	482.0	445.2	438.5
32.5°	4478.4	4361.3	3661.7	1456.0	552.3	515.5	478.6	435.1	371.5	341.4	334.7
35°	4880.1	4702.7	3631.6	856.9	495.4	455.2	398.3	341.4	294.5	264.4	257.7
37.5°	5342.0	5034.1	3544.6	572.4	455.2	401.7	328.0	271.1	231.0	207.5	200.8
40°	6028.2	5519.4	3209.9	468.6	405.0	341.4	264.4	214.2	184.1	167.4	160.7
42.5°	6784.6	6075.0	2694.4	421.7	358.1	291.2	210.9	174.1	150.6	133.9	133.9
45°	7691.7	6654.1	2078.6	384.9	318.0	241.0	174.1	140.6	120.5	107.1	100.4
47.5°	8702.5	7179.6	1402.4	348.1	267.8	197.5	143.9	107.1	87.0	77.0	77.0
50°	9606.2	7644.8	893.7	304.6	234.3	164.0	117.1	87.0	70.3	56.9	53.6
52.5°	10426.3	7999.6	615.9	267.8	200.8	133.9	97.1	70.3	53.6	43.5	43.5
55°	11266.4	8180.4	455.2	231.0	174.1	113.8	80.3	63.6	46.9	36.8	33.5
57.5°	11955.9	8257.3	348.1	200.8	147.3	90.4	70.3	53.6	40.2	30.1	26.8
60°	12545.0	8220.5	271.1	167.4	117.1	77.0	60.2	43.5	33.5	23.4	20.1
62.5°	12889.7	7999.6	214.2	143.9	93.7	66.9	50.2	36.8	23.4	16.7	13.4
65°	12896.4	7531.0	167.4	107.1	70.3	56.9	43.5	30.1	16.7	6.7	3.3
67.5°	11972.6	6516.8	133.9	83.7	56.9	43.5	33.5	23.4	6.7	0.0	0.0
70°	9365.2	4930.3	110.5	66.9	46.9	36.8	23.4	13.4	3.3	0.0	0.0
72.5°	5967.9	2952.2	90.4	53.6	40.2	26.8	16.7	10.0	0.0	0.0	0.0
75°	2496.9	910.4	70.3	46.9	30.1	20.1	13.4	3.3	0.0	0.0	0.0
77.5°	642.6	287.9	56.9	40.2	30.1	16.7	10.0	3.3	0.0	0.0	0.0
80°	190.8	107.1	46.9	33.5	23.4	13.4	6.7	3.3	0.0	0.0	0.0
82.5°	87.0	63.6	40.2	30.1	20.1	13.4	6.7	0.0	0.0	0.0	0.0
85°	33.5	20.1	20.1	16.7	16.7	10.0	3.3	0.0	0.0	0.0	0.0
87.5°	13.4	6.7	6.7	6.7	3.3	3.3	0.0	0.0	0.0	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)