

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: P482554

Luminaire Tested: **IFLD-L-SA8A-760-U-T3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482554  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-760-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (128) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

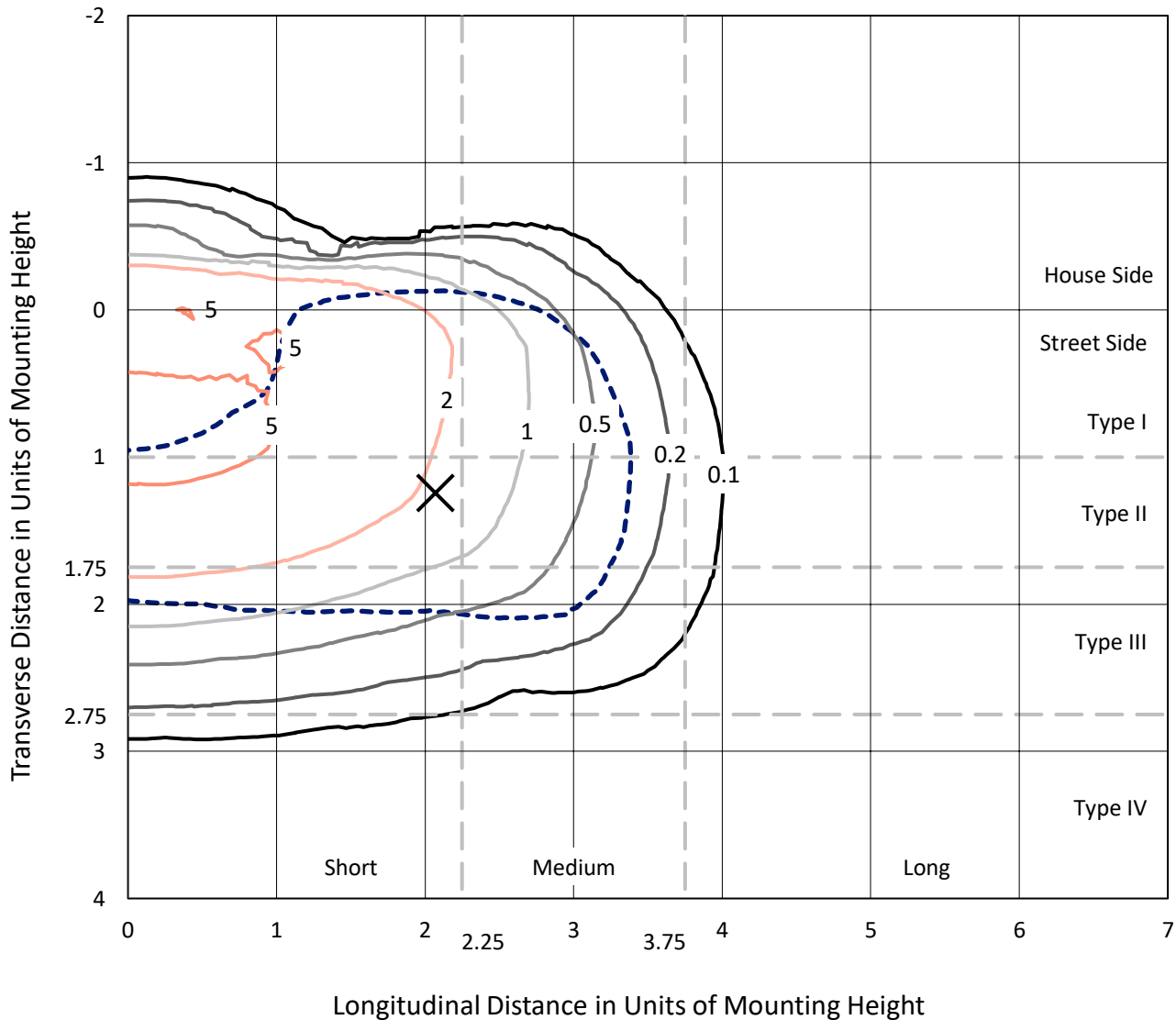
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26001.1 lumens  
Efficiency: N/A  
Efficacy: 104.9 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): 247.8  
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

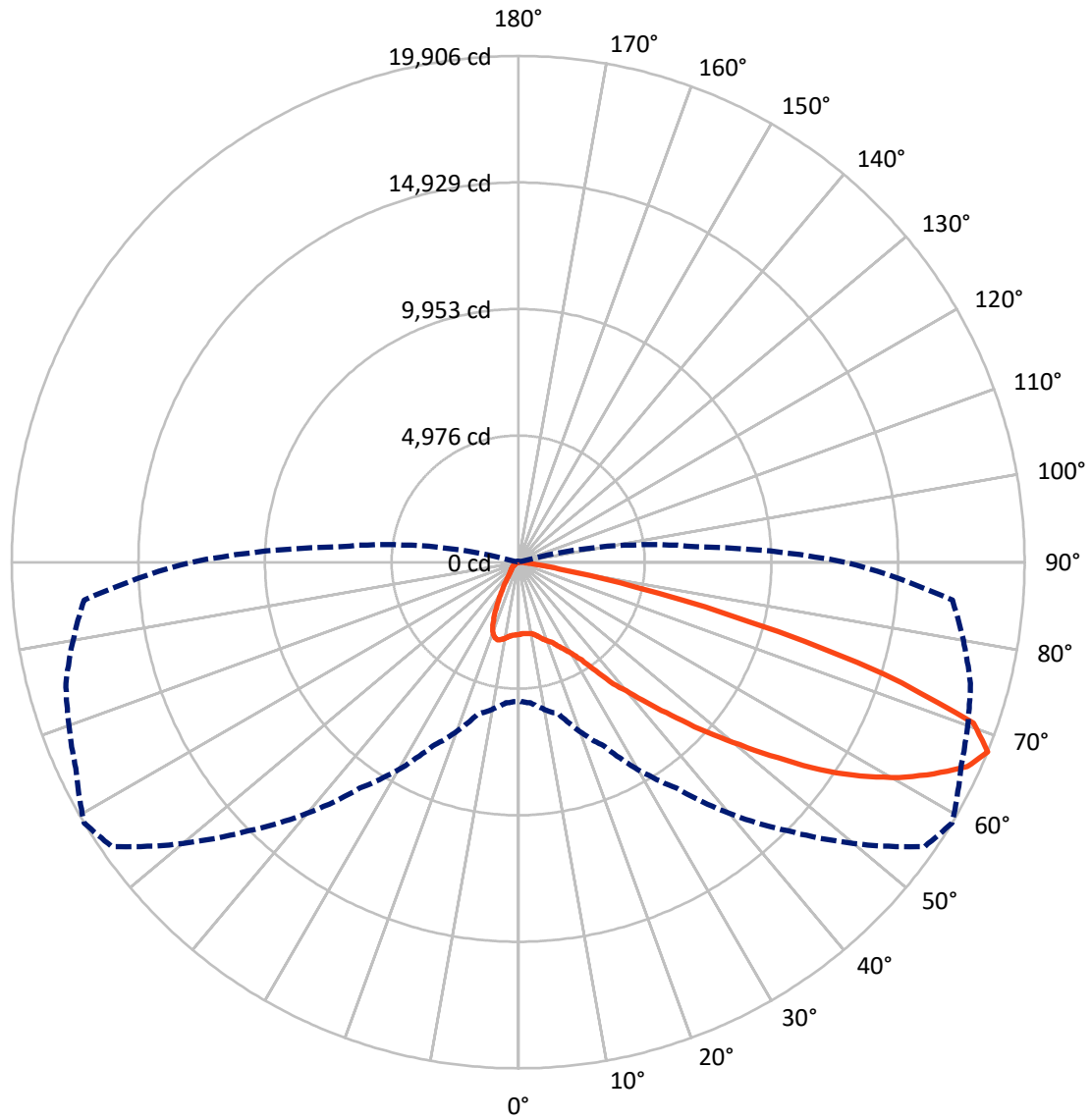
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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
<b>House Side</b>	Lumens	3054.3	0.0	3054.3
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	22946.8	0.0	22946.8
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	26001.1	0.0	26001.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.9	1.0
10°-20°	782.5	3.0
20°-30°	1367.6	5.3
30°-40°	2407.9	9.3
40°-50°	4256.4	16.4
50°-60°	6739.3	25.9
60°-70°	7475.8	28.8
70°-80°	2593.9	10.0
80°-90°	106.8	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°	26001.1	100.0
0°-180°	26001.1	100.0

**Coefficient of Utilization**

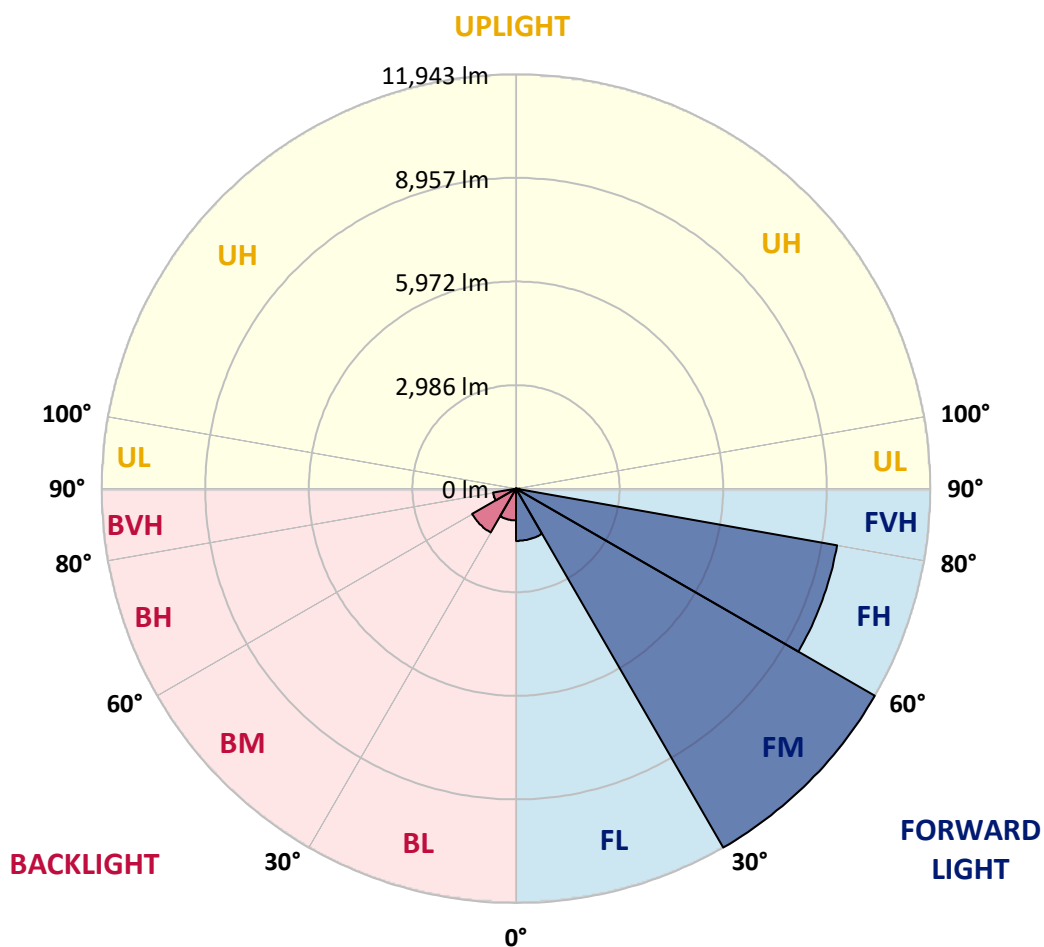


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.7	5.8			
FM (30°-60°)	11943.2	45.9			
FH (60°-80°)	9398.0	36.1			G4/12000
FVH (80°-90°)	99.9	0.4			G1/100
BL (0°-30°)	915.4	3.5	B2/1000		
BM (30°-60°)	1460.3	5.6	B2/2500		
BH (60°-80°)	671.7	2.6	B2/1000		G2/1000
BVH (80°-90°)	6.9	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°	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8
2.5°	2769.2	2729.7	2765.6	2769.2	2772.8	2805.2	2841.1	2815.9	2812.3	2841.1	2866.2
5°	2657.9	2639.9	2683.0	2704.6	2740.5	2769.2	2826.7	2830.3	2833.9	2866.2	2909.3
7.5°	2611.2	2568.1	2618.4	2643.5	2668.7	2736.9	2805.2	2841.1	2891.4	2930.9	2974.0
10°	2517.8	2550.1	2564.5	2607.6	2679.4	2758.5	2841.1	2859.0	2970.4	3002.7	3106.9
12.5°	2550.1	2571.7	2600.4	2611.2	2690.2	2808.7	2920.1	2927.3	3042.2	3182.3	3236.2
15°	2632.8	2618.4	2629.2	2643.5	2736.9	2833.9	3013.5	3045.8	3153.6	3311.6	3444.5
17.5°	2808.7	2783.6	2765.6	2762.1	2783.6	2873.4	3085.3	3182.3	3282.9	3498.4	3566.6
20°	3250.5	3229.0	3157.1	2970.4	2905.7	2941.6	3171.5	3308.0	3448.1	3688.7	3800.1
22.5°	3922.2	3943.7	3774.9	3512.7	3243.3	3103.3	3308.0	3426.5	3649.2	3954.5	4055.1
25°	4716.0	4672.9	4468.1	4162.8	3739.0	3408.6	3527.1	3660.0	3933.0	4184.4	4223.9
27.5°	5337.3	5287.1	5129.0	4759.1	4392.7	3857.5	3814.4	3897.0	4220.3	4446.6	4403.5
30°	5951.5	5969.5	5861.7	5423.5	4971.0	4407.1	4134.1	4170.0	4417.9	4708.8	4611.8
32.5°	6734.5	6691.4	6630.4	6246.1	5710.9	5107.5	4640.5	4583.1	4690.8	5075.1	4960.2
35°	7463.7	7438.5	7355.9	6968.0	6501.1	5843.8	5387.6	5258.3	5233.2	5660.6	5459.5
37.5°	8099.4	8056.3	7930.6	7682.8	7230.2	6677.1	6177.8	6062.9	6059.3	6353.8	5965.9
40°	8634.6	8666.9	8652.5	8379.6	8131.7	7689.9	6924.9	6741.7	6727.3	6885.4	6659.1
42.5°	9327.8	9403.2	9363.7	9309.8	9011.7	8839.3	7973.7	7693.5	7567.8	7891.1	7686.3
45°	10376.6	10405.3	10430.4	10297.5	9999.4	10035.3	9058.4	8724.4	8692.0	9173.3	8713.6
47.5°	11357.1	11281.7	11457.7	11464.9	11450.5	11285.3	10229.3	9981.5	10024.6	10390.9	9916.8
50°	11601.3	11795.3	12280.2	12370.0	12603.4	12754.3	11529.5	11281.7	11353.5	11770.2	11227.8
52.5°	11791.7	12086.2	12571.1	13228.4	13857.0	14216.1	12984.2	12783.0	12779.4	13034.5	12287.4
55°	12125.7	12305.3	12725.6	13630.7	14826.7	15415.8	14736.9	14413.7	14122.8	14302.3	13386.4
57.5°	12093.4	12161.7	12815.4	13932.4	15595.4	16665.7	16177.2	15868.3	15494.8	15390.6	14650.7
60°	11525.9	11687.6	12420.3	13727.7	16069.5	17639.1	17520.6	17204.5	16561.6	16317.3	15620.5
62.5°	10401.7	10617.2	11191.9	13009.3	15379.9	17689.4	18447.2	18328.7	17610.3	17172.2	16884.8
65°	8429.8	8530.4	9191.3	11184.7	13821.0	16917.1	19542.7	19395.4	18734.6	18080.9	17534.9
67.5°	5459.5	5556.4	6192.2	7984.5	10854.3	14923.7	19499.6	19905.5	19190.7	18404.1	17129.1
70°	2578.9	2553.7	3146.4	4435.8	6953.6	11396.6	18181.4	18982.4	18375.4	16683.7	14226.9
72.5°	786.6	854.8	1307.4	1964.7	3570.2	7108.1	14252.1	15002.7	14812.4	13329.0	9496.6
75°	348.4	377.1	513.6	804.6	1447.5	2916.5	8803.4	9471.4	9388.8	7862.3	4335.2
77.5°	222.7	244.2	323.3	459.7	657.3	926.7	4055.1	4705.2	4561.5	2762.1	1135.0
80°	158.0	168.8	229.9	316.1	413.1	380.7	1397.2	1659.4	1591.1	750.7	305.3
82.5°	86.2	93.4	168.8	233.5	276.6	194.0	391.5	488.5	510.0	334.0	147.3
85°	32.3	39.5	104.2	165.2	143.7	89.8	114.9	140.1	183.2	183.2	68.2
87.5°	0.0	3.6	43.1	71.8	35.9	25.1	32.3	39.5	50.3	86.2	25.1
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°	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8	2851.8
2.5°	2884.2	2859.0	2869.8	2887.8	2848.3	2869.8	2826.7	2859.0	2869.8	2826.7	2848.3
5°	2920.1	2945.2	2930.9	2902.1	2877.0	2884.2	2873.4	2848.3	2869.8	2877.0	2862.6
7.5°	3024.3	2995.5	3002.7	2970.4	2920.1	2916.5	2848.3	2830.3	2837.5	2844.7	2819.5
10°	3121.2	3139.2	3103.3	3078.1	2995.5	2941.6	2848.3	2747.7	2736.9	2693.8	2729.7
12.5°	3293.6	3250.5	3236.2	3153.6	3070.9	2891.4	2690.2	2535.8	2406.5	2359.8	2313.1
15°	3437.3	3430.1	3405.0	3279.3	3088.9	2762.1	2381.3	2022.2	1774.3	1619.9	1598.3
17.5°	3634.8	3602.5	3555.8	3358.3	2956.0	2424.4	1774.3	1321.8	1073.9	977.0	941.0
20°	3785.7	3760.6	3695.9	3340.3	2715.4	1806.6	1099.1	840.5	779.4	761.5	765.0
22.5°	4004.8	3925.8	3803.7	3250.5	2277.2	1203.2	790.2	750.7	739.9	725.5	729.1
25°	4195.2	4123.3	3868.3	3096.1	1623.5	797.4	732.7	711.2	693.2	675.2	671.7
27.5°	4364.0	4274.2	3936.6	2780.0	1016.5	686.0	678.8	653.7	617.8	589.0	578.3
30°	4529.2	4425.0	3954.5	2187.4	686.0	621.4	603.4	563.9	517.2	477.7	470.5
32.5°	4805.8	4680.0	3929.4	1562.4	592.6	553.1	513.6	466.9	398.7	366.4	359.2
35°	5236.8	5046.4	3897.0	919.5	531.6	488.5	427.4	366.4	316.1	283.7	276.6
37.5°	5732.4	5402.0	3803.7	614.2	488.5	431.0	352.0	290.9	247.8	222.7	215.5
40°	6468.7	5922.8	3444.5	502.8	434.6	366.4	283.7	229.9	197.5	179.6	172.4
42.5°	7280.5	6519.0	2891.4	452.6	384.3	312.5	226.3	186.8	161.6	143.7	143.7
45°	8253.8	7140.4	2230.5	413.1	341.2	258.6	186.8	150.9	129.3	114.9	107.8
47.5°	9338.5	7704.3	1504.9	373.5	287.3	211.9	154.4	114.9	93.4	82.6	82.6
50°	10308.3	8203.6	959.0	326.8	251.4	176.0	125.7	93.4	75.4	61.1	57.5
52.5°	11188.3	8584.3	660.9	287.3	215.5	143.7	104.2	75.4	57.5	46.7	46.7
55°	12089.8	8778.2	488.5	247.8	186.8	122.1	86.2	68.2	50.3	39.5	35.9
57.5°	12829.7	8860.8	373.5	215.5	158.0	97.0	75.4	57.5	43.1	32.3	28.7
60°	13461.9	8821.3	290.9	179.6	125.7	82.6	64.7	46.7	35.9	25.1	21.6
62.5°	13831.8	8584.3	229.9	154.4	100.6	71.8	53.9	39.5	25.1	18.0	14.4
65°	13839.0	8081.4	179.6	114.9	75.4	61.1	46.7	32.3	18.0	7.2	3.6
67.5°	12847.7	6993.1	143.7	89.8	61.1	46.7	35.9	25.1	7.2	0.0	0.0
70°	10049.7	5290.6	118.5	71.8	50.3	39.5	25.1	14.4	3.6	0.0	0.0
72.5°	6404.1	3167.9	97.0	57.5	43.1	28.7	18.0	10.8	0.0	0.0	0.0
75°	2679.4	977.0	75.4	50.3	32.3	21.6	14.4	3.6	0.0	0.0	0.0
77.5°	689.6	308.9	61.1	43.1	32.3	18.0	10.8	3.6	0.0	0.0	0.0
80°	204.7	114.9	50.3	35.9	25.1	14.4	7.2	3.6	0.0	0.0	0.0
82.5°	93.4	68.2	43.1	32.3	21.6	14.4	7.2	0.0	0.0	0.0	0.0
85°	35.9	21.6	21.6	18.0	18.0	10.8	3.6	0.0	0.0	0.0	0.0
87.5°	14.4	7.2	7.2	7.2	3.6	3.6	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)