

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: P482462

Luminaire Tested: **IFLD-S-SA6B-740-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482462  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-740-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

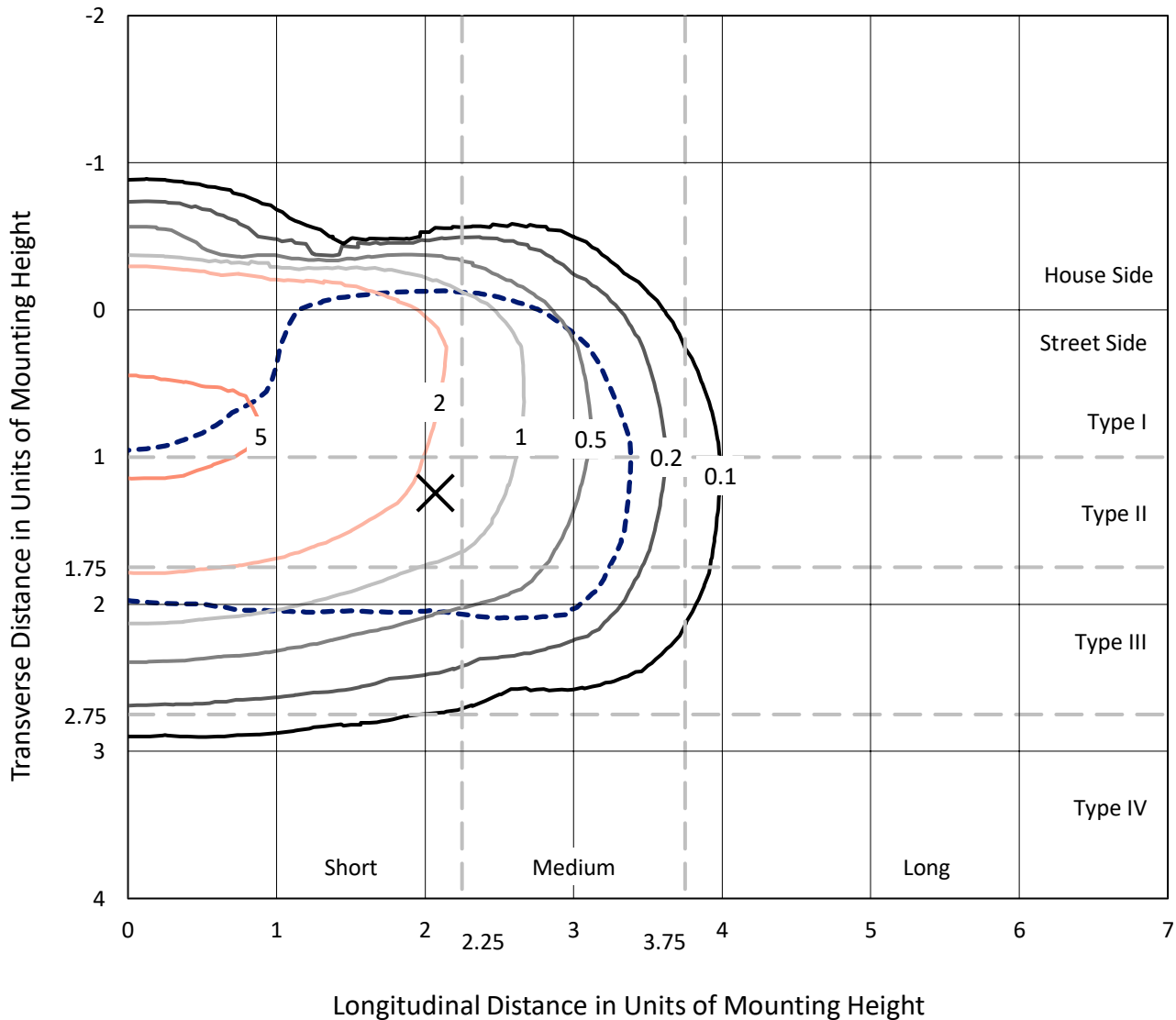
Lumens per Lamp: N/A  
Luminaire Lumens: 24768.5 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9  
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

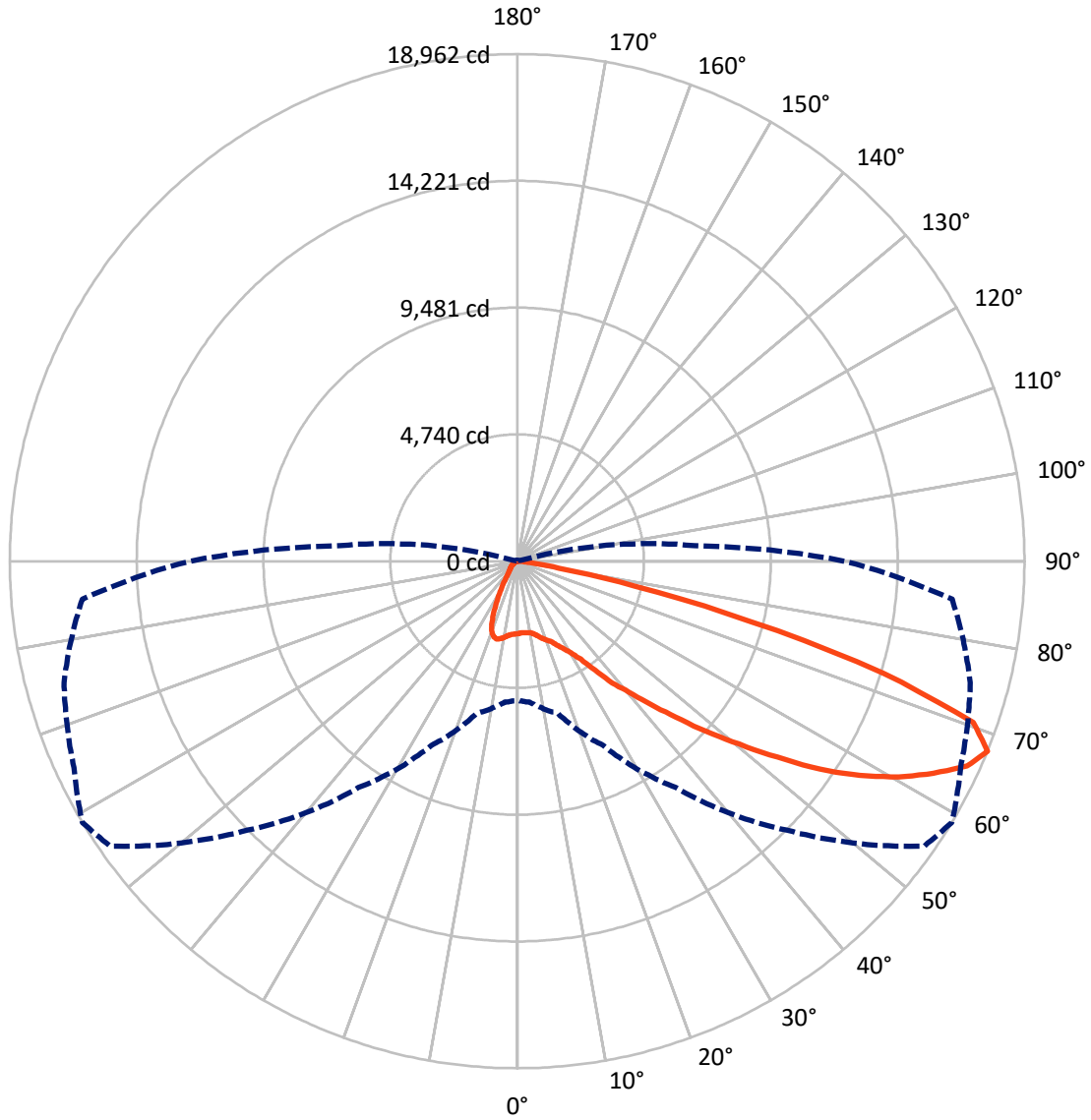
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	2909.5	0.0	2909.5
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	21859.0	0.0	21859.0
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	24768.5	0.0	24768.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.1	1.0
10°-20°	745.4	3.0
20°-30°	1302.8	5.3
30°-40°	2293.7	9.3
40°-50°	4054.6	16.4
50°-60°	6419.9	25.9
60°-70°	7121.4	28.8
70°-80°	2471.0	10.0
80°-90°	101.8	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°	24768.5	100.0
0°-180°	24768.5	100.0

**Coefficient of Utilization**

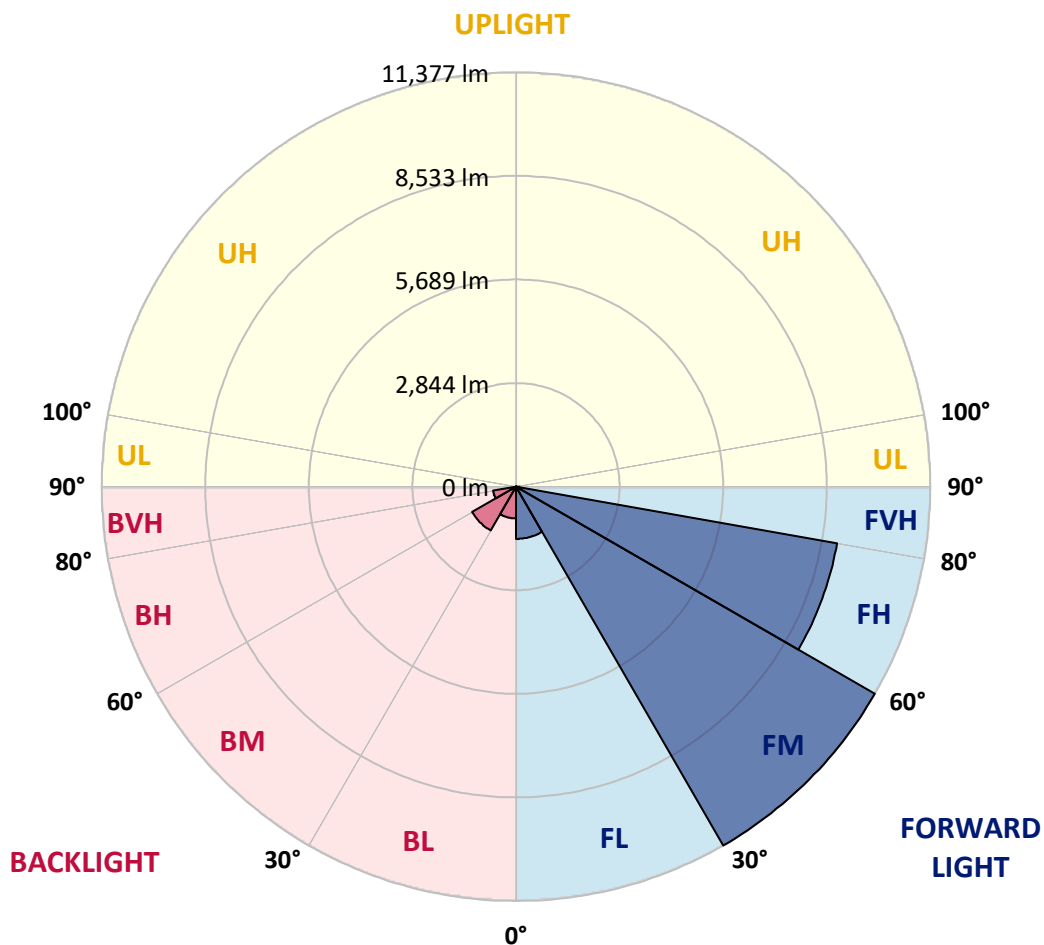


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1434.3	5.8			
FM (30°-60°)	11377.1	45.9			
FH (60°-80°)	8952.5	36.1			G4/12000
FVH (80°-90°)	95.2	0.4			G1/100
BL (0°-30°)	872.0	3.5	B2/1000		
BM (30°-60°)	1391.1	5.6	B2/2500		
BH (60°-80°)	639.9	2.6	B2/1000		G2/1000
BVH (80°-90°)	6.6	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°	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7
2.5°	2638.0	2600.3	2634.5	2638.0	2641.4	2672.2	2706.4	2682.4	2679.0	2706.4	2730.3
5°	2531.9	2514.8	2555.9	2576.4	2610.6	2638.0	2692.7	2696.1	2699.6	2730.3	2771.4
7.5°	2487.4	2446.4	2494.3	2518.2	2542.2	2607.2	2672.2	2706.4	2754.3	2791.9	2833.0
10°	2398.5	2429.3	2442.9	2484.0	2552.4	2627.7	2706.4	2723.5	2829.6	2860.4	2959.6
12.5°	2429.3	2449.8	2477.2	2487.4	2562.7	2675.6	2781.7	2788.5	2898.0	3031.4	3082.8
15°	2508.0	2494.3	2504.5	2518.2	2607.2	2699.6	2870.6	2901.4	3004.1	3154.6	3281.2
17.5°	2675.6	2651.7	2634.5	2631.1	2651.7	2737.2	2939.1	3031.4	3127.2	3332.5	3397.5
20°	3096.4	3075.9	3007.5	2829.6	2768.0	2802.2	3021.2	3151.2	3284.6	3513.9	3619.9
22.5°	3736.3	3756.8	3596.0	3346.2	3089.6	2956.2	3151.2	3264.1	3476.2	3767.1	3862.9
25°	4492.4	4451.4	4256.3	3965.5	3561.8	3247.0	3359.9	3486.5	3746.5	3986.0	4023.7
27.5°	5084.3	5036.4	4885.9	4533.5	4184.5	3674.7	3633.6	3712.3	4020.3	4235.8	4194.7
30°	5669.4	5686.5	5583.9	5166.4	4735.3	4198.2	3938.1	3972.3	4208.4	4485.6	4393.2
32.5°	6415.3	6374.2	6316.1	5950.0	5440.2	4865.4	4420.6	4365.8	4468.5	4834.6	4725.1
35°	7109.9	7085.9	7007.2	6637.7	6192.9	5566.8	5132.2	5009.1	4985.1	5392.3	5200.7
37.5°	7715.5	7674.4	7554.6	7318.6	6887.5	6360.5	5885.0	5775.5	5772.1	6052.6	5683.1
40°	8225.3	8256.1	8242.4	7982.3	7746.3	7325.4	6596.6	6422.1	6408.4	6559.0	6343.4
42.5°	8885.6	8957.5	8919.8	8868.5	8584.5	8420.3	7595.7	7328.8	7209.1	7517.0	7322.0
45°	9884.7	9912.1	9936.0	9809.4	9525.4	9559.6	8629.0	8310.8	8280.0	8738.5	8300.5
47.5°	10818.7	10746.9	10914.6	10921.4	10907.7	10750.3	9744.4	9508.3	9549.4	9898.4	9446.7
50°	11051.4	11236.2	11698.1	11783.6	12006.0	12149.7	10983.0	10746.9	10815.3	11212.2	10695.6
52.5°	11232.8	11513.3	11975.2	12601.3	13200.1	13542.3	12368.7	12177.1	12173.7	12416.6	11704.9
55°	11550.9	11722.0	12122.3	12984.6	14123.9	14685.0	14038.4	13730.4	13453.3	13624.4	12751.9
57.5°	11520.2	11585.2	12207.9	13272.0	14856.1	15875.7	15410.4	15116.1	14760.3	14661.1	13956.3
60°	10979.6	11133.5	11831.5	13076.9	15307.7	16802.9	16690.0	16388.9	15776.5	15543.8	14880.1
62.5°	9908.6	10113.9	10661.4	12392.6	14650.8	16850.8	17572.8	17459.9	16775.6	16358.1	16084.4
65°	8030.2	8126.0	8755.6	10654.5	13165.9	16115.2	18616.3	18476.0	17846.5	17223.8	16703.7
67.5°	5200.7	5293.0	5898.6	7606.0	10339.7	14216.3	18575.3	18961.9	18281.0	17531.7	16317.1
70°	2456.6	2432.7	2997.2	4225.5	6624.0	10856.4	17319.6	18082.6	17504.3	15892.8	13552.5
72.5°	749.3	814.3	1245.4	1871.6	3401.0	6771.1	13576.5	14291.6	14110.2	12697.1	9046.4
75°	331.9	359.3	489.3	766.4	1378.9	2778.2	8386.1	9022.5	8943.8	7489.6	4129.7
77.5°	212.1	232.7	307.9	438.0	626.1	882.7	3862.9	4482.2	4345.3	2631.1	1081.2
80°	150.5	160.8	219.0	301.1	393.5	362.7	1331.0	1580.7	1515.7	715.1	290.8
82.5°	82.1	89.0	160.8	222.4	263.5	184.8	372.9	465.3	485.9	318.2	140.3
85°	30.8	37.6	99.2	157.4	136.9	85.5	109.5	133.4	174.5	174.5	65.0
87.5°	0.0	3.4	41.1	68.4	34.2	24.0	30.8	37.6	47.9	82.1	24.0
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°	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7	2716.7
2.5°	2747.5	2723.5	2733.8	2750.9	2713.2	2733.8	2692.7	2723.5	2733.8	2692.7	2713.2
5°	2781.7	2805.6	2791.9	2764.6	2740.6	2747.5	2737.2	2713.2	2733.8	2740.6	2726.9
7.5°	2880.9	2853.5	2860.4	2829.6	2781.7	2778.2	2713.2	2696.1	2703.0	2709.8	2685.9
10°	2973.3	2990.4	2956.2	2932.2	2853.5	2802.2	2713.2	2617.4	2607.2	2566.1	2600.3
12.5°	3137.5	3096.4	3082.8	3004.1	2925.4	2754.3	2562.7	2415.6	2292.4	2247.9	2203.4
15°	3274.4	3267.5	3243.6	3123.8	2942.5	2631.1	2268.4	1926.3	1690.2	1543.1	1522.6
17.5°	3462.5	3431.8	3387.3	3199.1	2815.9	2309.5	1690.2	1259.1	1023.0	930.6	896.4
20°	3606.2	3582.3	3520.7	3182.0	2586.6	1721.0	1047.0	800.6	742.5	725.4	728.8
22.5°	3815.0	3739.7	3623.4	3096.4	2169.2	1146.2	752.7	715.1	704.8	691.1	694.6
25°	3996.3	3927.9	3684.9	2949.3	1546.5	759.6	698.0	677.5	660.3	643.2	639.8
27.5°	4157.1	4071.6	3750.0	2648.2	968.3	653.5	646.7	622.7	588.5	561.1	550.9
30°	4314.5	4215.3	3767.1	2083.7	653.5	591.9	574.8	537.2	492.7	455.1	448.2
32.5°	4578.0	4458.2	3743.1	1488.3	564.5	526.9	489.3	444.8	379.8	349.0	342.1
35°	4988.5	4807.2	3712.3	875.9	506.4	465.3	407.2	349.0	301.1	270.3	263.5
37.5°	5460.7	5145.9	3623.4	585.1	465.3	410.6	335.3	277.1	236.1	212.1	205.3
40°	6162.1	5642.0	3281.2	479.0	414.0	349.0	270.3	219.0	188.2	171.1	164.2
42.5°	6935.4	6210.0	2754.3	431.1	366.1	297.7	215.6	177.9	154.0	136.9	136.9
45°	7862.6	6801.9	2124.7	393.5	325.0	246.3	177.9	143.7	123.2	109.5	102.6
47.5°	8895.9	7339.1	1433.6	355.8	273.7	201.9	147.1	109.5	89.0	78.7	78.7
50°	9819.7	7814.7	913.5	311.4	239.5	167.7	119.8	89.0	71.9	58.2	54.7
52.5°	10657.9	8177.4	629.6	273.7	205.3	136.9	99.2	71.9	54.7	44.5	44.5
55°	11516.7	8362.1	465.3	236.1	177.9	116.3	82.1	65.0	47.9	37.6	34.2
57.5°	12221.6	8440.8	355.8	205.3	150.5	92.4	71.9	54.7	41.1	30.8	27.4
60°	12823.7	8403.2	277.1	171.1	119.8	78.7	61.6	44.5	34.2	24.0	20.5
62.5°	13176.2	8177.4	219.0	147.1	95.8	68.4	51.3	37.6	24.0	17.1	13.7
65°	13183.0	7698.4	171.1	109.5	71.9	58.2	44.5	30.8	17.1	6.8	3.4
67.5°	12238.7	6661.6	136.9	85.5	58.2	44.5	34.2	24.0	6.8	0.0	0.0
70°	9573.3	5039.9	112.9	68.4	47.9	37.6	24.0	13.7	3.4	0.0	0.0
72.5°	6100.5	3017.8	92.4	54.7	41.1	27.4	17.1	10.3	0.0	0.0	0.0
75°	2552.4	930.6	71.9	47.9	30.8	20.5	13.7	3.4	0.0	0.0	0.0
77.5°	656.9	294.2	58.2	41.1	30.8	17.1	10.3	3.4	0.0	0.0	0.0
80°	195.0	109.5	47.9	34.2	24.0	13.7	6.8	3.4	0.0	0.0	0.0
82.5°	89.0	65.0	41.1	30.8	20.5	13.7	6.8	0.0	0.0	0.0	0.0
85°	34.2	20.5	20.5	17.1	17.1	10.3	3.4	0.0	0.0	0.0	0.0
87.5°	13.7	6.8	6.8	6.8	3.4	3.4	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)