

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: P482072

Luminaire Tested: **IFLD-S-SA6B-740-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482072  
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-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

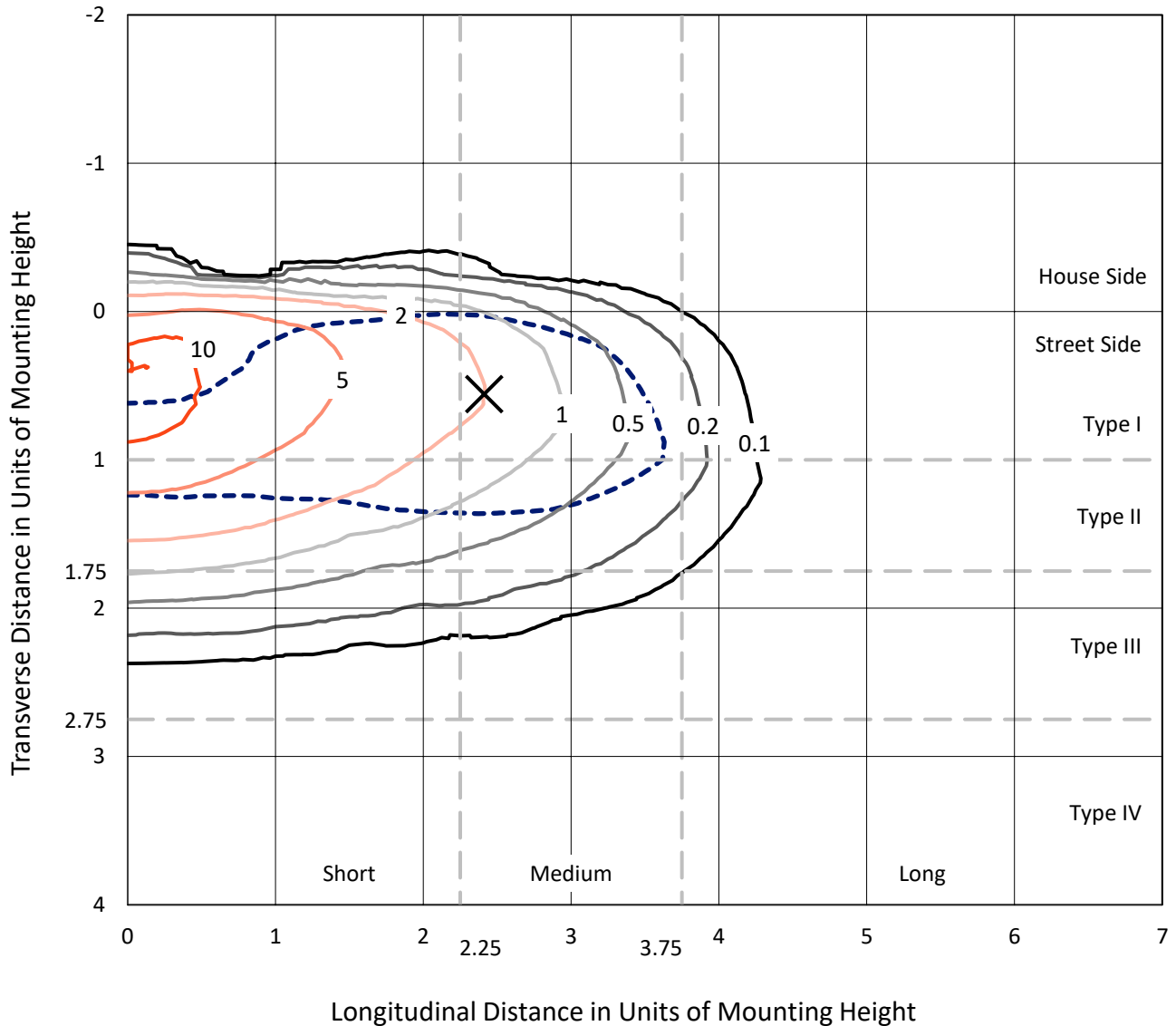
Lumens per Lamp: N/A  
Luminaire Lumens: 26243.4 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

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

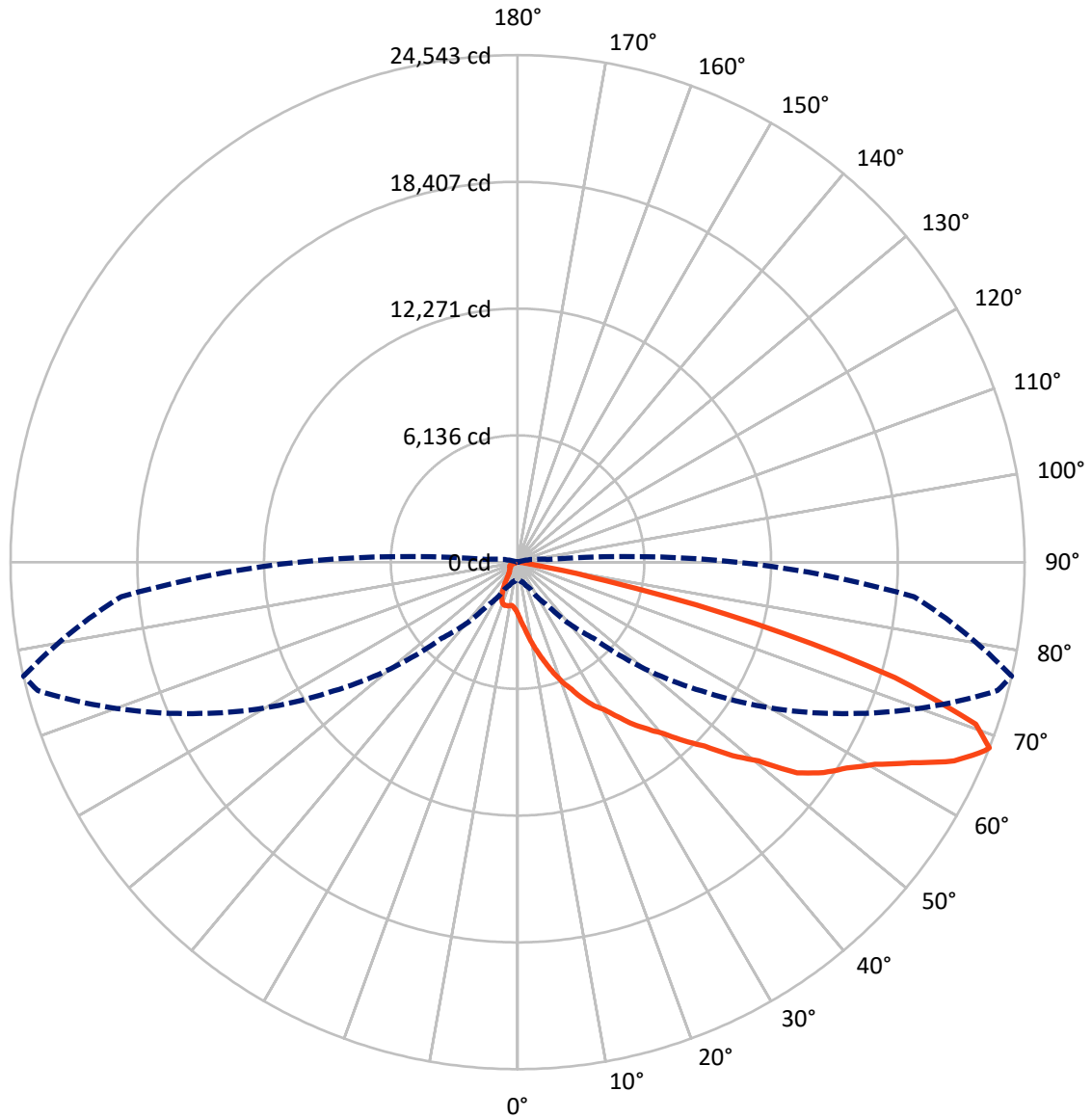
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1190.1	0.0	1190.1
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	25053.2	0.0	25053.2
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	26243.4	0.0	26243.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.6	1.1
10°-20°	1082.7	4.1
20°-30°	2098.3	8.0
30°-40°	3658.0	13.9
40°-50°	5357.5	20.4
50°-60°	6294.3	24.0
60°-70°	5315.0	20.3
70°-80°	2060.2	7.9
80°-90°	83.8	0.3
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°	26243.4	100.0
0°-180°	26243.4	100.0

**Coefficient of Utilization**



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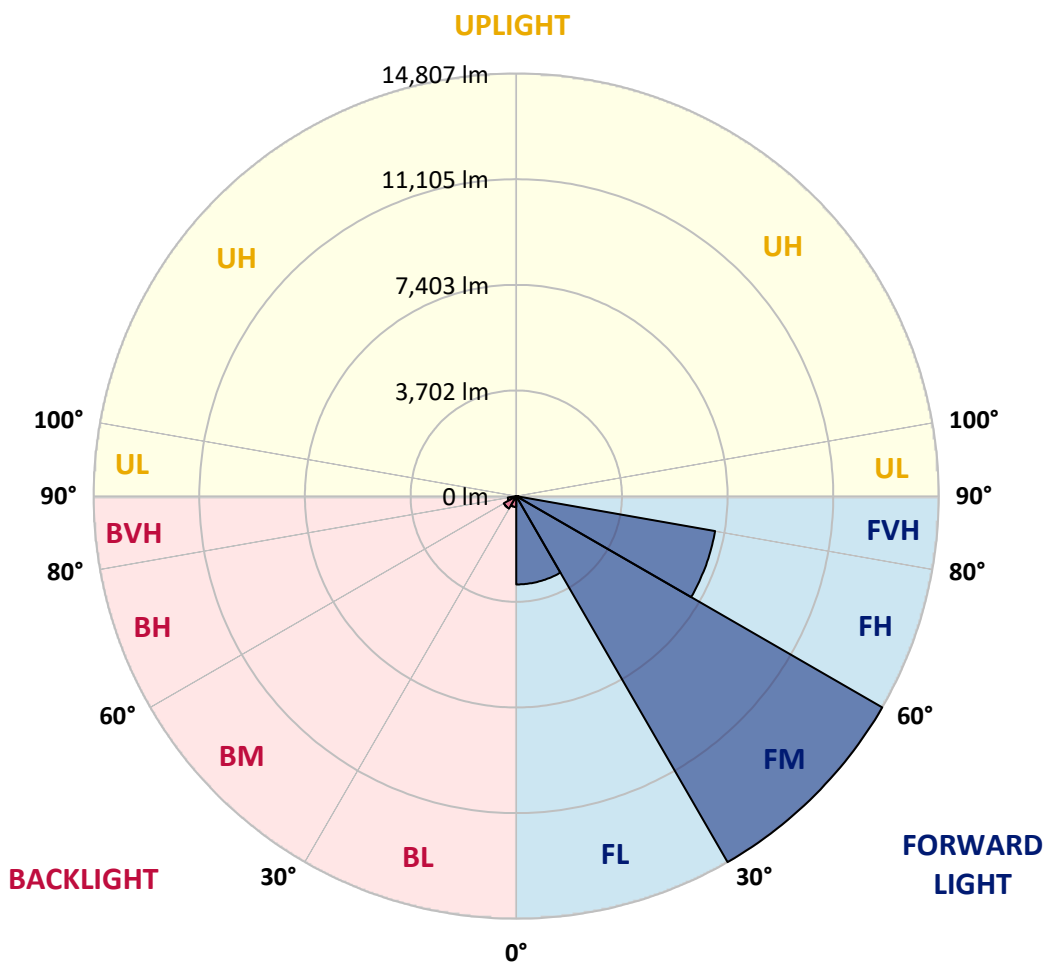
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3094.3	11.8			
FM (30°-60°)	14807.0	56.4			
FH (60°-80°)	7074.7	27.0			G3/7500
FVH (80°-90°)	77.3	0.3			G1/100
BL (0°-30°)	380.2	1.4	B1/500		
BM (30°-60°)	502.9	1.9	B1/1000		
BH (60°-80°)	300.5	1.1	B1/500		G1/500
BVH (80°-90°)	6.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8
2.5°	3818.1	3745.8	3669.8	3648.1	3507.1	3348.0	3199.8	3055.2	2812.9	2816.6	2650.2
5°	4920.8	4830.4	4769.0	4754.5	4534.0	4259.2	4035.0	3626.4	3225.1	3134.7	2831.0
7.5°	5828.3	5799.4	5709.0	5633.1	5470.4	5134.1	4870.2	4284.5	3673.4	3572.2	3051.6
10°	6377.9	6421.3	6461.1	6363.5	6236.9	5994.7	5633.1	5000.4	4183.2	4056.7	3337.2
12.5°	6963.6	6891.3	6916.6	6996.2	6829.9	6775.6	6327.3	5738.0	4779.8	4537.6	3698.8
15°	7115.5	7144.4	7205.9	7437.3	7549.4	7393.9	7007.0	6334.5	5398.1	5061.8	4035.0
17.5°	7216.7	7202.3	7278.2	7625.3	7795.2	7943.5	7701.2	6999.8	5936.8	5636.7	4454.4
20°	7343.3	7263.7	7430.1	7650.6	8044.7	8355.6	8344.8	7668.7	6500.8	6182.7	4870.2
22.5°	7813.3	7751.8	7885.6	7907.3	8182.1	8616.0	8720.8	8214.6	7079.3	6688.9	5318.5
25°	8681.1	8793.1	8634.0	8496.7	8579.8	8865.4	8941.4	8699.1	7661.5	7303.5	5766.9
27.5°	9950.1	9935.7	9621.1	9443.9	9245.1	9208.9	9263.2	9151.1	8120.6	7863.9	6135.7
30°	11313.2	11193.9	10904.6	10478.0	10040.5	9769.3	9693.4	9577.7	8659.4	8287.0	6500.8
32.5°	12397.9	12463.0	12141.2	11584.4	10857.6	10492.5	10127.3	10000.7	9252.3	8923.3	6920.3
35°	13395.8	13309.0	13052.3	12582.3	11931.5	11342.1	10770.9	10499.7	9964.6	9639.2	7383.1
37.5°	14133.4	14241.8	13753.7	13305.4	12658.2	12170.1	11609.7	11016.7	10698.6	10264.7	7947.1
40°	14831.2	14661.2	14332.2	13920.1	13319.9	12947.5	12578.7	11653.1	11479.5	10919.1	8583.4
42.5°	14708.3	14719.1	14538.3	14205.7	13771.8	13558.5	13431.9	12426.8	12188.2	11830.2	9205.3
45°	14205.7	14249.1	14310.5	14147.8	14184.0	13970.7	14310.5	13316.2	13081.2	12701.6	9921.2
47.5°	13652.5	13724.8	13710.3	14006.8	14343.1	14415.4	15265.1	14303.3	14202.1	13992.4	10911.9
50°	12734.1	12763.1	13041.5	13580.2	14039.4	14795.0	15980.9	15380.8	15536.2	15124.0	12090.6
52.5°	11165.0	11269.8	11985.7	12755.8	13681.4	14986.7	16465.4	16982.5	17376.6	16953.5	13222.2
55°	9180.0	9324.6	10029.7	11472.3	12828.1	14697.4	16906.5	17828.5	18627.6	17987.6	13909.2
57.5°	7386.7	7401.1	8033.9	9523.5	11616.9	14129.8	17130.7	18240.7	19314.5	18801.1	14748.0
60°	5629.5	5571.6	6139.3	7430.1	9577.7	12734.1	16570.3	18450.4	20171.4	19874.9	15756.8
62.5°	3622.8	3532.4	4150.7	5408.9	7480.7	10409.3	15449.5	18454.0	21509.2	21397.1	17445.3
65°	1793.3	1731.9	2263.4	3315.5	5177.5	7961.5	13851.4	18385.3	23143.4	23215.8	19090.4
67.5°	947.3	969.0	1138.9	1681.3	2986.5	5625.9	11443.4	17579.0	23978.6	24383.6	19488.1
68°	871.4	878.6	1012.4	1399.2	2592.4	5217.3	10872.1	17344.0	24043.7	24542.7	19267.5
70°	708.7	719.5	766.5	878.6	1402.9	3395.0	8388.2	15348.2	23063.9	23519.5	17441.6
72.5°	564.0	596.6	625.5	672.5	824.4	1782.5	5217.3	11960.4	19054.2	19104.8	13576.6
75°	430.3	455.6	513.4	553.2	643.6	979.8	2483.9	7292.7	12502.7	11888.1	7997.7
77.5°	332.6	354.3	379.6	433.9	538.7	661.7	759.3	3095.0	5311.3	4371.3	2259.7
80°	198.9	213.3	296.5	339.9	470.0	448.3	300.1	860.5	1077.4	849.7	412.2
82.5°	115.7	126.5	169.9	260.3	329.0	242.2	177.2	267.6	263.9	231.4	137.4
85°	3.6	7.2	94.0	155.5	115.7	65.1	108.5	112.1	94.0	86.8	61.5
87.5°	0.0	3.6	25.3	21.7	25.3	14.5	21.7	28.9	36.2	32.5	25.3
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°	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8	2512.8
2.5°	2538.1	2458.6	2281.4	2147.7	2003.0	1916.3	1829.5	1775.3	1746.3	1728.3	1742.7
5°	2603.2	2436.9	2151.3	1898.2	1731.9	1619.8	1507.7	1449.9	1395.6	1366.7	1384.8
7.5°	2747.9	2498.4	2024.7	1749.9	1554.7	1381.2	1240.2	1128.1	1063.0	1005.1	1016.0
10°	2925.0	2534.5	2028.4	1663.2	1381.2	1106.4	907.5	766.5	687.0	636.3	632.7
12.5°	3105.8	2675.5	2042.8	1576.4	1167.8	831.6	596.6	491.7	444.7	419.4	419.4
15°	3380.6	2802.1	2006.7	1417.3	885.8	542.3	408.6	372.4	354.3	332.6	336.3
17.5°	3619.2	3004.6	1988.6	1178.7	607.4	390.5	339.9	300.1	282.0	260.3	260.3
20°	3941.0	3131.1	1891.0	911.1	419.4	325.4	274.8	238.6	209.7	191.6	195.2
22.5°	4233.9	3228.7	1717.4	621.9	321.8	256.7	202.5	166.3	141.0	119.3	122.9
25°	4552.0	3326.4	1464.3	383.3	227.8	159.1	108.5	79.5	54.2	39.8	39.8
27.5°	4779.8	3355.3	1135.3	227.8	137.4	72.3	25.3	3.6	0.0	0.0	0.0
30°	5011.2	3366.1	784.6	122.9	54.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5275.2	3362.5	491.7	65.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0
35°	5477.6	3301.0	235.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5785.0	3210.7	72.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6135.7	3047.9	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6450.2	2881.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6808.2	2675.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7437.3	2588.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8258.0	2520.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8764.2	2317.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9028.1	2107.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9418.6	2006.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	9997.1	2013.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	10901.0	2115.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	11400.0	2013.9	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	10977.0	1612.6	68.7	18.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0
68°	10611.8	1482.4	68.7	18.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	8771.4	965.4	65.1	18.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6388.8	535.1	54.2	14.5	7.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	3716.8	267.6	39.8	14.5	7.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	969.0	133.8	32.5	18.1	10.8	3.6	0.0	0.0	0.0	0.0	0.0
80°	191.6	86.8	28.9	21.7	14.5	7.2	0.0	0.0	0.0	0.0	0.0
82.5°	90.4	61.5	28.9	21.7	18.1	10.8	3.6	0.0	0.0	0.0	0.0
85°	47.0	28.9	28.9	21.7	21.7	14.5	7.2	0.0	0.0	0.0	0.0
87.5°	21.7	10.8	10.8	10.8	10.8	7.2	3.6	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)