

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: P476623

Luminaire Tested: **IFLD-L-SA7C-740-U-T2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476623  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-740-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (112) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

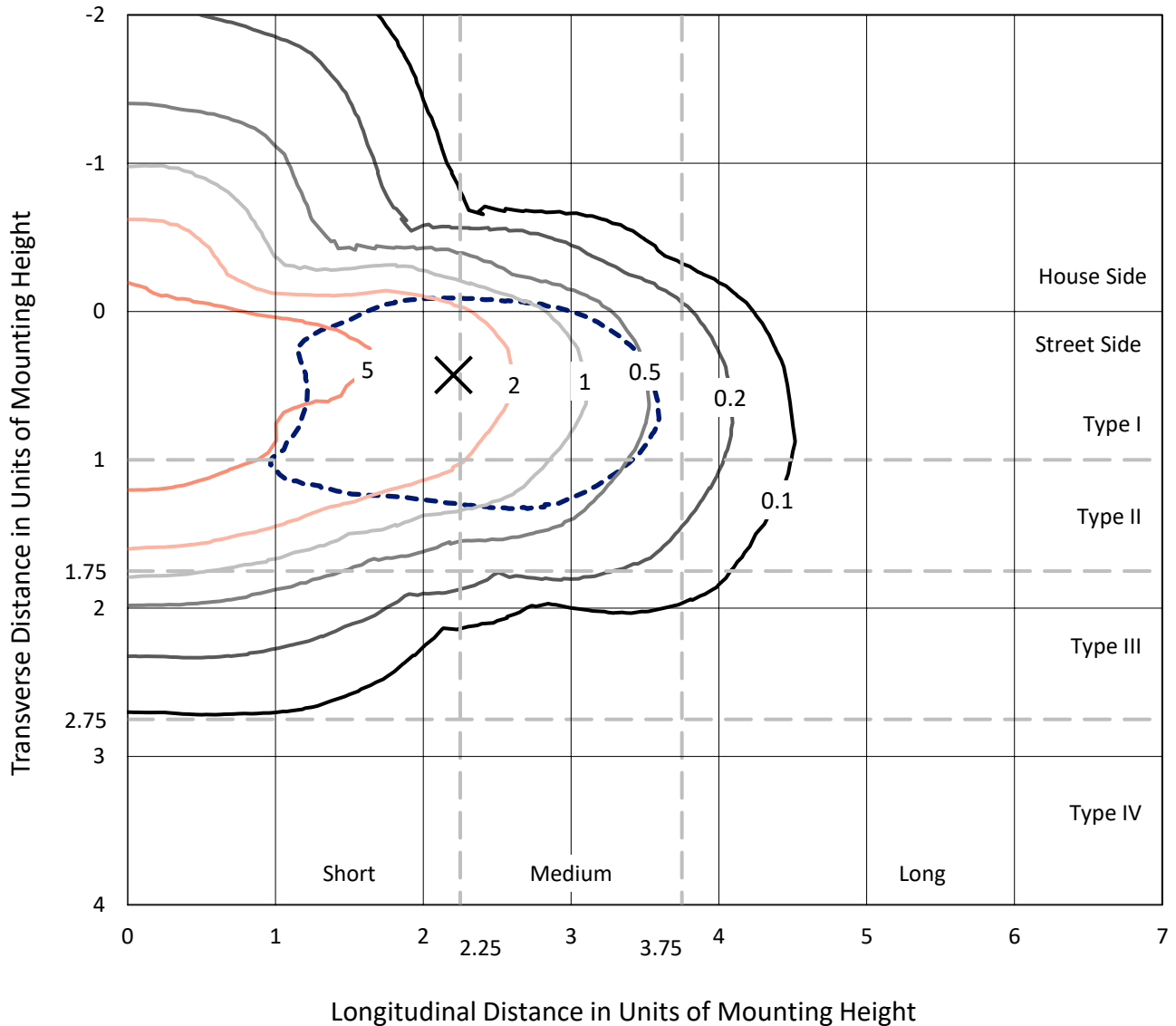
Lumens per Lamp: N/A  
Luminaire Lumens: 44277.4 lumens  
Efficiency: N/A  
Efficacy: 120.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G5

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

REPORT NUMBER: P476623  
 CATALOG NUMBER: IFLD-L-SA7C-740-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

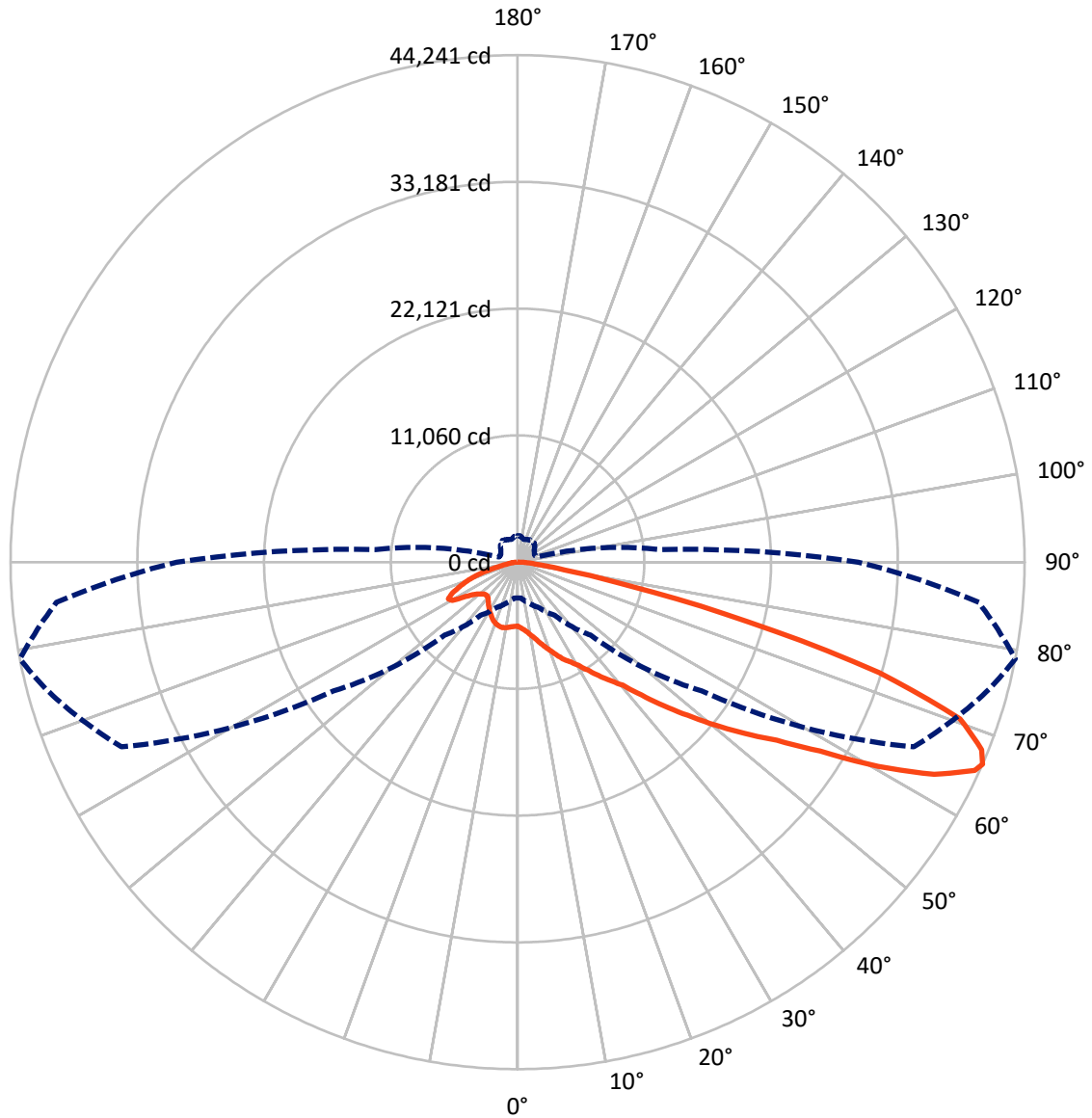
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P476623  
CATALOG NUMBER: IFLD-L-SA7C-740-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P476623

CATALOG NUMBER: IFLD-L-SA7C-740-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8941.2	0.0	8941.2
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	35336.2	0.0	35336.2
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	44277.4	0.0	44277.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	549.8	1.2
10°-20°	1697.6	3.8
20°-30°	2914.1	6.6
30°-40°	4501.6	10.2
40°-50°	7210.5	16.3
50°-60°	10765.7	24.3
60°-70°	11061.8	25.0
70°-80°	4903.5	11.1
80°-90°	672.8	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°	44277.4	100.0
0°-180°	44277.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P476623

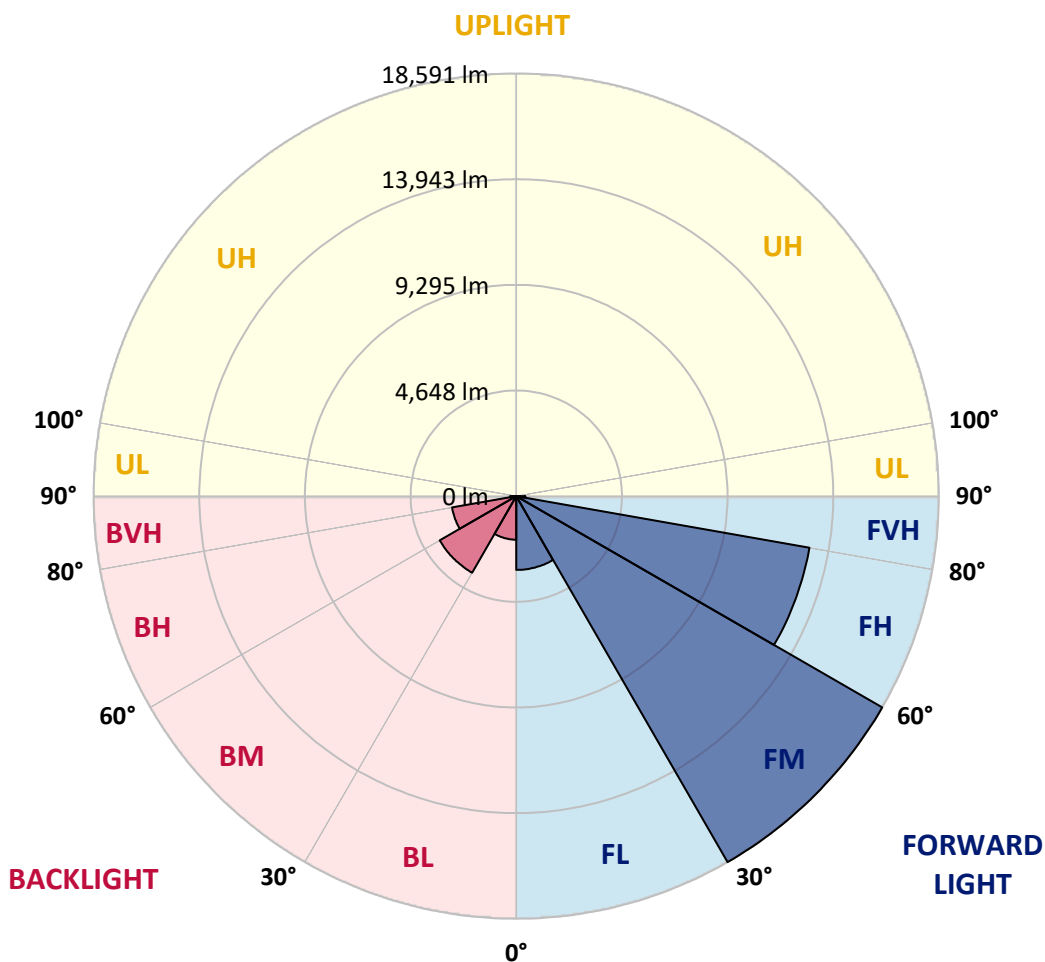
CATALOG NUMBER: IFLD-L-SA7C-740-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3245.8	7.3			
FM (30°-60°)	18590.6	42.0			
FH (60°-80°)	13096.3	29.6			G5
FVH (80°-90°)	403.5	0.9			G3/500
BL (0°-30°)	1915.6	4.3	B3/2500		
BM (30°-60°)	3887.2	8.8	B3/5000		
BH (60°-80°)	2869.1	6.5	B4/5000		G4/5000
BVH (80°-90°)	269.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type II Short





REPORT NUMBER: P476623  
 CATALOG NUMBER: IFLD-L-SA7C-740-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0
2.5°	5946.5	5951.4	5951.4	5931.9	5936.8	5951.4	5897.8	5780.9	5780.9	5761.5	5727.4
5°	6311.8	6287.4	6253.4	6258.2	6238.7	6238.7	6180.3	6068.3	5970.9	5931.9	5829.6
7.5°	6360.5	6384.8	6380.0	6438.4	6467.6	6467.6	6496.9	6404.3	6258.2	6165.7	6063.4
10°	6457.9	6394.6	6389.7	6526.1	6569.9	6672.2	6789.1	6740.4	6618.6	6487.1	6350.8
12.5°	6516.3	6555.3	6555.3	6623.5	6725.8	6876.7	7081.3	7173.8	6983.9	6847.5	6638.1
15°	6604.0	6550.4	6706.3	6764.7	6959.5	7066.7	7358.9	7597.5	7470.9	7305.3	6974.1
17.5°	6643.0	6608.9	6696.5	6803.7	7134.9	7295.6	7651.1	7982.3	7875.1	7768.0	7427.1
20°	6842.6	6837.8	6876.7	6964.4	7203.0	7519.6	7962.8	8420.6	8459.6	8264.7	7802.1
22.5°	7329.7	7266.4	7266.4	7232.3	7334.5	7660.8	8259.9	8893.0	9068.3	8839.4	8225.8
25°	7777.7	7865.4	7811.8	7656.0	7617.0	7787.5	8474.2	9394.6	9628.4	9414.1	8800.5
27.5°	8352.4	8381.6	8474.2	8264.7	7996.9	8050.5	8707.9	9677.1	10159.3	9871.9	9126.8
30°	9180.3	9126.8	9107.3	8873.5	8522.9	8449.8	8975.8	10091.1	10855.7	10451.5	9511.5
32.5°	9740.4	9871.9	9867.0	9545.6	9121.9	8961.2	9307.0	10480.7	11600.8	11225.8	10222.6
35°	10850.8	10987.2	10880.1	10407.6	9910.9	9589.4	9784.3	10987.2	12453.1	12160.9	10826.5
37.5°	12268.1	12589.5	12360.6	11488.8	10787.5	10436.9	10446.6	11537.5	13324.9	13086.3	11474.2
40°	13247.0	13680.4	13363.9	12545.7	11800.5	11469.3	11337.9	12190.1	14367.1	14113.9	12487.2
42.5°	14459.7	14820.1	14654.5	13846.0	12974.2	12691.8	12428.8	13281.1	15959.7	15842.8	13787.6
45°	15784.4	15954.8	15901.2	15389.9	14420.7	14323.3	13743.7	14717.8	17834.7	17883.4	15414.2
47.5°	17016.5	17109.0	17211.3	16841.2	16237.3	16320.1	15258.4	16256.8	19656.2	19977.6	17225.9
50°	17333.1	17649.6	17888.3	18136.7	18268.2	18828.2	16928.9	18146.4	21750.4	22373.7	19242.2
52.5°	17011.6	16987.3	17713.0	18492.2	19807.1	20980.9	19203.2	20493.8	23601.0	24833.2	21088.0
55°	15550.6	15501.9	16670.7	17703.2	20269.8	22178.9	22451.7	23620.5	25836.5	27438.8	23586.4
57.5°	12993.7	12691.8	13967.8	15662.6	19266.6	22310.4	25714.7	28261.8	29274.8	31101.2	27399.8
60°	8732.3	8605.7	9828.1	11849.2	15643.1	20445.1	27667.7	34072.0	34120.7	36175.9	33317.1
62.5°	5376.7	5401.1	6185.2	7699.8	10953.1	16208.1	26825.1	38713.3	38723.0	40783.1	38187.3
65°	3516.3	3530.9	4164.0	5001.7	6842.6	10992.1	22183.8	39078.6	41922.8	43836.8	40417.9
66°	3131.5	3136.4	3681.9	4363.7	5668.9	8995.3	19592.9	38128.9	42643.6	44241.0	40388.7
67.5°	2639.7	2703.0	3141.3	3667.3	4422.2	6462.8	15545.7	35382.1	42273.4	43676.0	39473.1
70°	2065.0	2099.1	2444.8	2980.6	3316.6	3740.3	9238.8	28841.4	38693.8	40968.2	36141.8
72.5°	1655.9	1685.1	1948.1	2420.5	2693.2	2464.3	5030.9	20927.3	30565.4	32990.8	28427.4
75°	1397.8	1402.6	1529.2	1904.3	2215.9	1850.7	2678.6	13432.0	19612.3	20742.2	17415.9
77.5°	1129.9	1149.4	1237.0	1451.3	1782.5	1456.2	1597.4	7524.5	9847.6	9930.4	8050.5
80°	920.5	930.2	983.8	1056.8	1358.8	1076.3	1081.2	3672.1	4222.5	4125.1	3272.8
82.5°	725.7	735.4	798.7	784.1	998.4	769.5	672.1	1767.9	1943.2	1904.3	1504.9
85°	409.1	409.1	628.3	628.3	633.1	487.0	409.1	832.8	1027.6	959.4	706.2
87.5°	131.5	136.4	189.9	199.7	316.6	219.2	199.7	311.7	487.0	428.6	253.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P476623  
 CATALOG NUMBER: IFLD-L-SA7C-740-U-T2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0	5591.0
2.5°	5707.9	5630.0	5595.9	5483.9	5454.6	5381.6	5347.5	5303.7	5289.0	5225.7	5284.2
5°	5751.7	5727.4	5591.0	5449.8	5342.6	5293.9	5220.9	5123.5	5113.7	5026.1	5016.3
7.5°	5936.8	5854.0	5615.4	5464.4	5250.1	5128.3	4967.6	4918.9	4855.6	4826.4	4889.7
10°	6224.1	6014.7	5659.2	5279.3	5016.3	4870.2	4753.3	4719.2	4724.1	4704.6	4675.4
12.5°	6428.7	6229.0	5586.1	5123.5	4782.5	4641.3	4631.6	4665.7	4719.2	4694.9	4729.0
15°	6720.9	6345.9	5532.6	4865.3	4592.6	4553.6	4548.8	4651.1	4646.2	4646.2	4641.3
17.5°	6993.6	6462.8	5337.8	4641.3	4392.9	4422.2	4456.2	4451.4	4500.1	4519.6	4553.6
20°	7339.4	6599.1	5065.0	4417.3	4242.0	4232.2	4227.3	4232.2	4280.9	4310.1	4285.8
22.5°	7641.4	6628.4	4836.1	4203.0	4061.8	4022.8	3959.5	4022.8	3998.4	4008.2	4037.4
25°	7904.4	6633.2	4509.8	4042.3	3881.6	3793.9	3745.2	3740.3	3696.5	3691.6	3691.6
27.5°	8123.5	6467.6	4222.5	3818.2	3667.3	3584.5	3579.6	3526.0	3414.0	3341.0	3350.7
30°	8294.0	6341.0	4022.8	3623.4	3477.3	3462.7	3418.9	3297.1	3151.0	3058.5	3058.5
32.5°	8595.9	6087.8	3750.1	3423.8	3350.7	3331.2	3228.9	3121.8	2985.4	2897.8	2883.2
35°	8820.0	5854.0	3569.9	3253.3	3219.2	3180.2	3092.6	2975.7	2936.7	2917.3	2931.9
37.5°	9073.2	5591.0	3350.7	3107.2	3141.3	3068.2	2966.0	2912.4	3048.8	3014.7	3029.3
40°	9477.4	5405.9	3136.4	3019.5	3053.6	2970.8	2839.3	2819.9	2990.3	2868.6	2839.3
42.5°	10217.7	5401.1	3004.9	2888.0	2912.4	2849.1	2732.2	2722.4	2790.6	2644.5	2600.7
45°	11138.2	5571.5	2907.5	2790.6	2771.1	2761.4	2722.4	2678.6	2620.2	2430.2	2381.5
47.5°	12238.8	5849.1	2888.0	2644.5	2668.9	2751.7	2703.0	2591.0	2440.0	2318.2	2293.9
50°	13573.3	6423.8	2839.3	2537.4	2581.2	2712.7	2673.7	2517.9	2381.5	2303.6	2289.0
52.5°	15049.0	7149.5	2776.0	2371.8	2469.2	2678.6	2698.1	2552.0	2352.3	2284.1	2274.4
55°	16787.6	8220.9	2703.0	2191.6	2337.7	2644.5	2698.1	2454.6	2313.3	2313.3	2303.6
57.5°	20221.1	10149.5	2552.0	2026.0	2220.8	2581.2	2620.2	2459.5	2318.2	2318.2	2298.7
60°	25256.9	13159.3	2264.6	1899.4	2108.8	2493.5	2561.7	2386.4	2264.6	2293.9	2289.0
62.5°	29196.9	14074.9	2021.1	1777.6	1996.8	2332.8	2483.8	2308.5	2201.3	2308.5	2318.2
65°	30039.5	13149.6	1772.8	1646.1	1840.9	2177.0	2371.8	2196.5	2108.8	2318.2	2328.0
66°	29737.5	12428.8	1685.1	1607.2	1772.8	2099.1	2303.6	2157.5	2060.1	2308.5	2313.3
67.5°	28393.3	11347.6	1587.7	1524.4	1680.2	1987.0	2225.7	2103.9	1982.2	2279.3	2235.4
70°	25471.2	9623.5	1422.1	1378.3	1548.7	1802.0	2045.5	1967.6	1860.4	2099.1	2021.1
72.5°	19617.2	7690.1	1246.8	1251.6	1397.8	1612.0	1865.3	1811.7	1719.2	1840.9	1792.2
75°	11946.6	4914.0	1086.1	1095.8	1217.6	1431.8	1694.8	1655.9	1543.9	1612.0	1587.7
77.5°	5293.9	2435.1	915.6	935.1	1032.5	1261.4	1475.7	1412.4	1295.5	1310.1	1300.3
80°	2055.2	1154.2	745.1	769.5	832.8	1008.1	1222.4	1164.0	1061.7	1042.2	1032.5
82.5°	988.7	642.9	574.7	584.4	608.8	803.6	1052.0	978.9	842.5	754.9	754.9
85°	496.8	399.4	404.2	370.1	404.2	545.5	711.1	594.2	491.9	438.3	448.1
87.5°	199.7	199.7	199.7	170.5	180.2	258.1	331.2	224.0	204.5	121.8	121.8
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)