

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: P483592

Luminaire Tested: **IFLD-S-SA6A-735-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483592  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-735-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

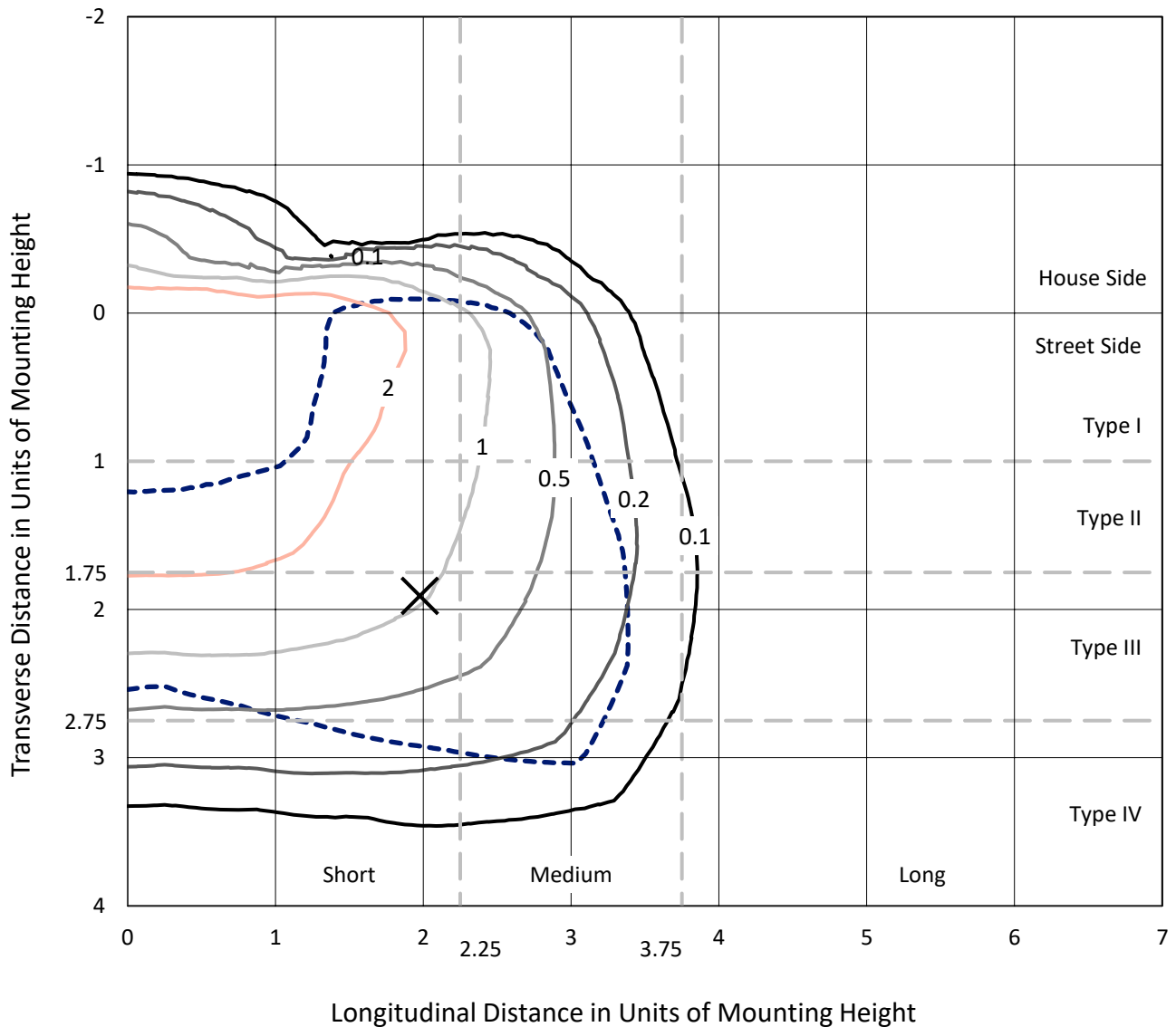
Lumens per Lamp: N/A  
Luminaire Lumens: 19641.3 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 189.6  
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: P483592  
 CATALOG NUMBER: IFLD-S-SA6A-735-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

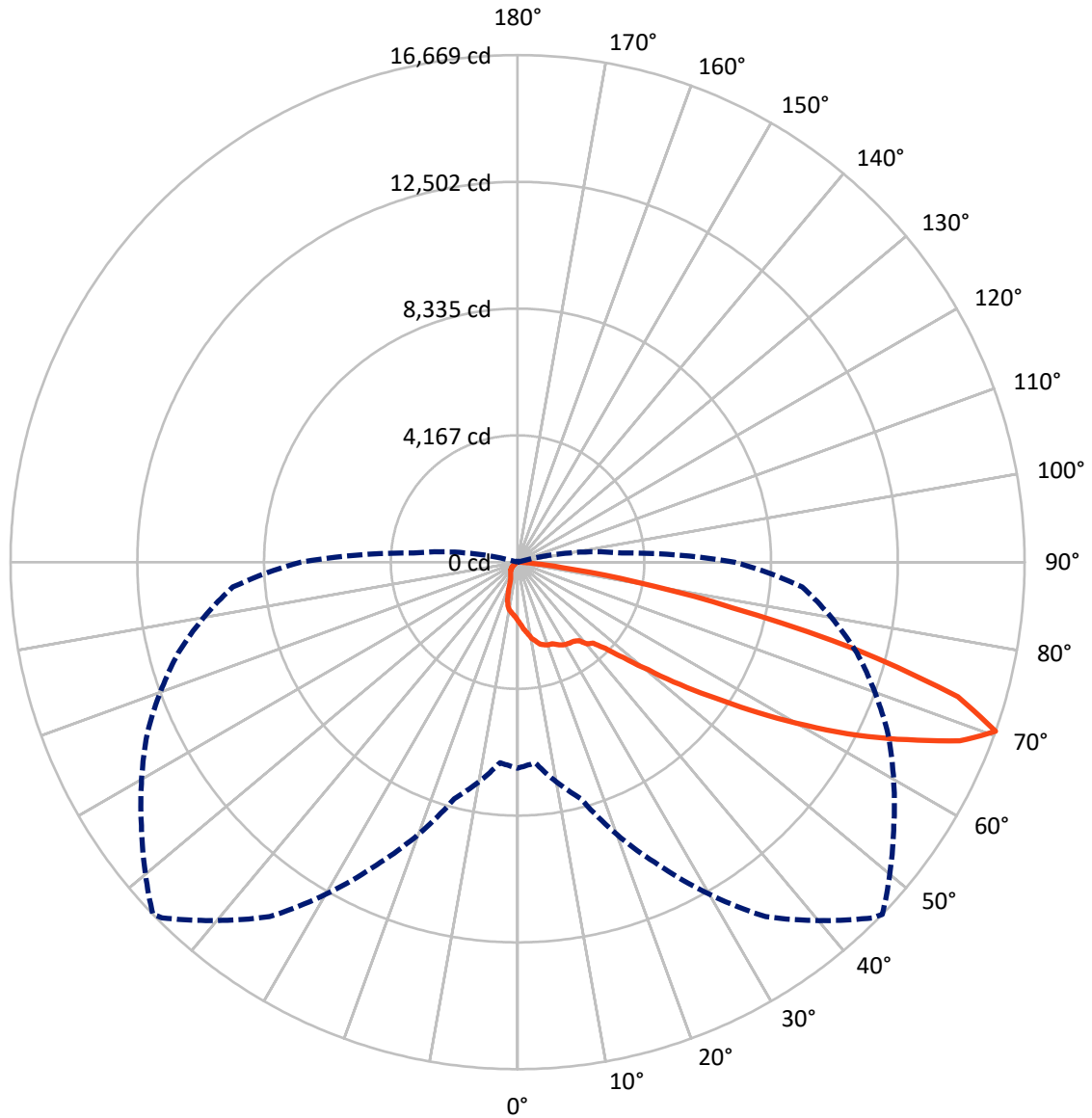
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483592  
CATALOG NUMBER: IFLD-S-SA6A-735-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483592  
 CATALOG NUMBER: IFLD-S-SA6A-735-U-T4W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1954.4	0.0	1954.4
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	17686.9	0.0	17686.9
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	19641.3	0.0	19641.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.3	1.0
10°-20°	580.6	3.0
20°-30°	930.0	4.7
30°-40°	1327.5	6.8
40°-50°	2292.2	11.7
50°-60°	4388.6	22.3
60°-70°	6498.8	33.1
70°-80°	3218.8	16.4
80°-90°	212.7	1.1
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°	19641.3	100.0
0°-180°	19641.3	100.0

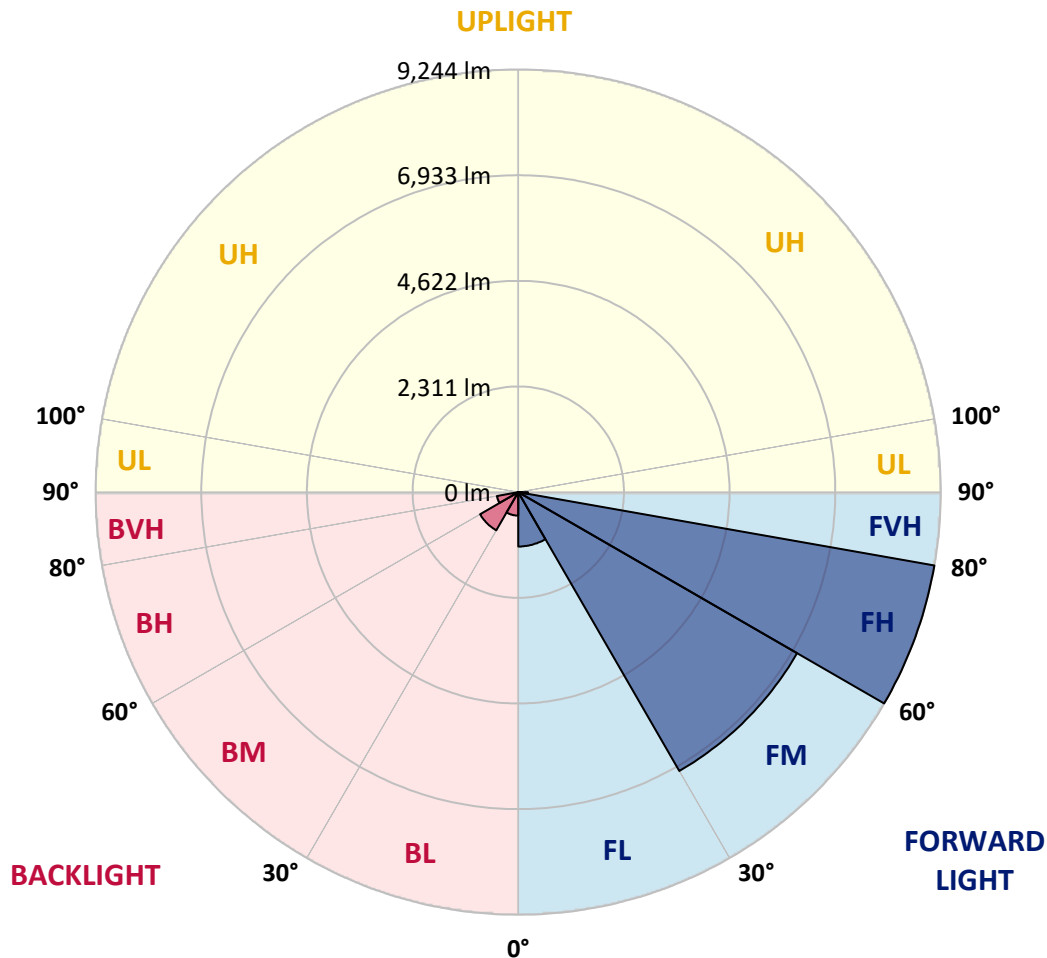


REPORT NUMBER: P483592  
 CATALOG NUMBER: IFLD-S-SA6A-735-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1189.4	6.1			
FM (30°-60°)	7043.3	35.9			
FH (60°-80°)	9244.2	47.1			G4/12000
FVH (80°-90°)	210.0	1.1			G2/225
BL (0°-30°)	513.4	2.6	B2/1000		
BM (30°-60°)	964.9	4.9	B1/1000		
BH (60°-80°)	473.3	2.4	B1/500		G1/500
BVH (80°-90°)	2.7	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 IV Short





REPORT NUMBER: P483592

CATALOG NUMBER: IFLD-S-SA6A-735-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2
2.5°	2151.5	2137.4	2114.8	2106.3	2083.7	2072.4	2055.4	2046.9	2015.8	1984.7	1964.9
5°	2414.4	2380.5	2391.8	2357.9	2284.4	2225.0	2222.2	2157.2	2086.5	2029.9	1953.6
7.5°	2680.2	2651.9	2609.5	2561.5	2479.5	2391.8	2366.4	2304.2	2205.2	2106.3	2004.5
10°	2880.9	2861.1	2824.4	2756.5	2643.5	2544.5	2547.3	2442.7	2338.1	2225.0	2086.5
12.5°	3005.3	3013.8	2960.1	2892.2	2793.3	2668.9	2666.1	2595.4	2476.6	2357.9	2193.9
15°	3129.7	3160.8	3078.8	2999.7	2872.5	2782.0	2799.0	2714.1	2598.2	2462.5	2281.6
17.5°	3149.5	3158.0	3141.0	3025.1	2931.8	2855.5	2858.3	2801.8	2714.1	2567.1	2411.6
20°	3115.6	3109.9	3090.2	3005.3	2943.1	2897.9	2900.7	2886.6	2838.5	2719.8	2507.7
22.5°	3016.6	3016.6	2991.2	2934.7	2906.4	2948.8	2914.9	2968.6	2917.7	2847.0	2671.7
25°	2937.5	2968.6	2954.4	2917.7	2929.0	2985.5	3002.5	3053.4	3044.9	2957.3	2784.8
27.5°	3022.3	2985.5	2994.0	2951.6	2994.0	3078.8	3087.3	3124.1	3121.3	3050.6	2886.6
30°	3078.8	3112.8	3047.7	2954.4	2999.7	3143.9	3138.2	3186.3	3208.9	3124.1	2982.7
32.5°	3259.8	3231.5	3177.8	3053.4	3059.1	3141.0	3166.5	3228.7	3242.8	3191.9	3076.0
35°	3630.2	3587.7	3353.1	3166.5	3138.2	3177.8	3194.8	3316.3	3341.8	3285.2	3175.0
37.5°	4201.3	4105.1	3822.4	3409.6	3282.4	3273.9	3273.9	3435.1	3531.2	3401.1	3322.0
40°	5018.3	4882.6	4577.3	3859.2	3471.8	3505.8	3539.7	3627.3	3616.0	3531.2	3514.2
42.5°	6058.7	5954.1	5623.3	4614.0	3833.7	3664.1	3635.8	3754.6	3932.7	3898.7	3887.4
45°	6926.7	6932.3	6720.3	5648.8	4458.5	4028.8	4048.6	4139.1	4438.7	4413.3	4410.5
47.5°	7560.0	7480.8	7449.7	6646.8	5368.9	4721.5	4693.2	4755.4	5145.5	5306.7	5380.2
50°	8136.7	8083.0	8009.5	7616.5	6463.0	5589.4	5561.1	5566.8	6163.3	6389.5	6570.5
52.5°	8852.0	8919.9	8676.7	8436.4	7879.5	6717.5	6686.4	6576.1	7316.9	7627.8	7842.7
55°	9734.1	9606.9	9332.7	9457.1	9233.7	7936.0	7879.5	7749.4	8631.5	8761.6	8987.7
57.5°	9929.2	9833.1	10115.8	10556.8	10771.7	9366.6	9344.0	9109.3	9737.0	9618.2	10257.2
60°	10415.5	10440.9	10833.9	11710.4	12083.5	11017.7	10907.4	10494.6	10808.5	10831.1	11512.4
62.5°	10915.9	10856.5	11735.8	12578.3	13152.2	12581.1	12544.4	11724.5	12080.7	11792.3	12694.2
65°	10548.4	10638.8	11897.0	13307.7	14537.6	14110.7	14079.6	12909.1	13104.2	12745.1	13174.9
67.5°	9242.2	9058.4	10819.8	12974.1	15250.0	15713.7	15679.8	14201.1	13680.9	12739.5	12176.8
70°	6774.0	6615.7	8051.9	10986.6	14229.4	16533.6	16669.3	15100.2	13446.3	11552.0	9394.9
72.5°	3319.2	3322.0	4512.2	7449.7	11258.0	15069.1	15136.9	13844.9	11552.0	8515.6	5320.8
75°	981.0	992.4	1670.9	3652.8	7277.3	11444.6	11520.9	10508.8	8006.7	4399.2	1815.1
77.5°	359.1	359.1	554.1	1371.2	3630.2	7223.6	7217.9	6451.7	4054.2	1489.9	424.1
80°	186.6	195.1	288.4	559.8	1571.9	3763.0	3904.4	3158.0	1540.8	627.6	124.4
82.5°	76.3	84.8	158.3	288.4	754.9	1320.3	1444.7	1238.3	670.1	438.2	56.5
85°	22.6	25.4	76.3	161.2	296.9	330.8	367.5	415.6	421.3	339.3	25.4
87.5°	2.8	2.8	31.1	53.7	65.0	70.7	82.0	82.0	214.9	237.5	14.1
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: P483592

CATALOG NUMBER: IFLD-S-SA6A-735-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2
2.5°	1942.3	1928.2	1905.5	1854.7	1843.3	1806.6	1803.8	1769.8	1781.2	1758.5	1750.1
5°	1928.2	1897.1	1834.9	1795.3	1755.7	1730.3	1713.3	1699.2	1696.3	1685.0	1679.4
7.5°	1953.6	1911.2	1815.1	1752.9	1685.0	1662.4	1625.7	1622.8	1603.0	1583.2	1583.2
10°	2038.4	1962.1	1857.5	1752.9	1665.2	1591.7	1506.9	1444.7	1422.1	1371.2	1376.9
12.5°	2106.3	2038.4	1885.8	1778.3	1645.4	1478.6	1292.0	1147.9	1080.0	1015.0	1040.4
15°	2202.4	2103.5	1939.5	1784.0	1569.1	1280.7	975.4	814.2	752.0	737.9	735.1
17.5°	2307.0	2202.4	2007.3	1769.8	1413.6	989.5	718.1	624.8	636.1	653.1	650.3
20°	2422.9	2295.7	2058.2	1721.8	1167.6	718.1	588.1	585.2	602.2	627.6	633.3
22.5°	2544.5	2434.2	2120.4	1577.6	870.8	576.8	565.4	565.4	576.8	607.9	602.2
25°	2680.2	2533.2	2151.5	1354.2	624.8	531.5	537.2	548.5	554.1	579.6	582.4
27.5°	2784.8	2643.5	2160.0	1085.7	508.9	491.9	506.1	520.2	528.7	548.5	557.0
30°	2880.9	2782.0	2114.8	808.6	466.5	458.0	463.7	483.5	500.4	517.4	517.4
32.5°	3002.5	2861.1	2010.2	573.9	441.0	426.9	424.1	432.6	452.4	472.1	472.1
35°	3126.9	2994.0	1843.3	460.8	418.4	398.6	387.3	378.8	387.3	401.5	412.8
37.5°	3307.9	3194.8	1634.1	424.1	401.5	373.2	350.6	330.8	316.6	313.8	322.3
40°	3565.1	3420.9	1365.5	398.6	381.7	347.7	313.8	279.9	248.8	229.0	231.8
42.5°	3955.3	3754.6	1074.3	384.5	367.5	319.5	271.4	223.4	183.8	164.0	164.0
45°	4512.2	4195.6	788.8	370.4	350.6	285.5	223.4	166.8	127.2	115.9	118.7
47.5°	5351.9	4727.1	565.4	347.7	328.0	248.8	175.3	118.7	93.3	87.6	90.5
50°	6448.9	5357.6	441.0	322.3	299.7	209.2	130.1	87.6	73.5	70.7	73.5
52.5°	7599.6	5993.7	387.3	299.7	257.3	166.8	96.1	70.7	62.2	59.4	62.2
55°	8583.4	6403.7	336.4	265.8	206.4	124.4	76.3	62.2	53.7	45.2	45.2
57.5°	9578.6	6610.0	265.8	220.5	152.7	93.3	65.0	53.7	45.2	36.8	33.9
60°	10387.2	6757.1	189.4	164.0	107.4	73.5	56.5	48.1	36.8	28.3	25.4
62.5°	10918.7	6335.8	138.5	124.4	79.2	62.2	48.1	39.6	28.3	19.8	19.8
65°	10655.8	5753.4	107.4	87.6	59.4	48.1	39.6	28.3	19.8	11.3	8.5
67.5°	9561.7	4687.5	87.6	65.0	45.2	36.8	31.1	22.6	11.3	2.8	2.8
70°	7133.1	3435.1	70.7	48.1	36.8	28.3	22.6	14.1	5.7	2.8	0.0
72.5°	3901.6	1880.1	56.5	39.6	28.3	22.6	17.0	11.3	5.7	0.0	0.0
75°	1289.2	500.4	42.4	28.3	17.0	14.1	11.3	8.5	2.8	0.0	0.0
77.5°	311.0	130.1	33.9	25.4	14.1	8.5	5.7	2.8	2.8	0.0	0.0
80°	96.1	53.7	25.4	17.0	11.3	8.5	2.8	0.0	0.0	0.0	0.0
82.5°	39.6	25.4	11.3	11.3	8.5	2.8	0.0	0.0	0.0	0.0	0.0
85°	19.8	14.1	8.5	5.7	5.7	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	14.1	5.7	2.8	2.8	0.0	0.0	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)