

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: P483163

Luminaire Tested: **IFLD-S-SA6A-730-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483163  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-730-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

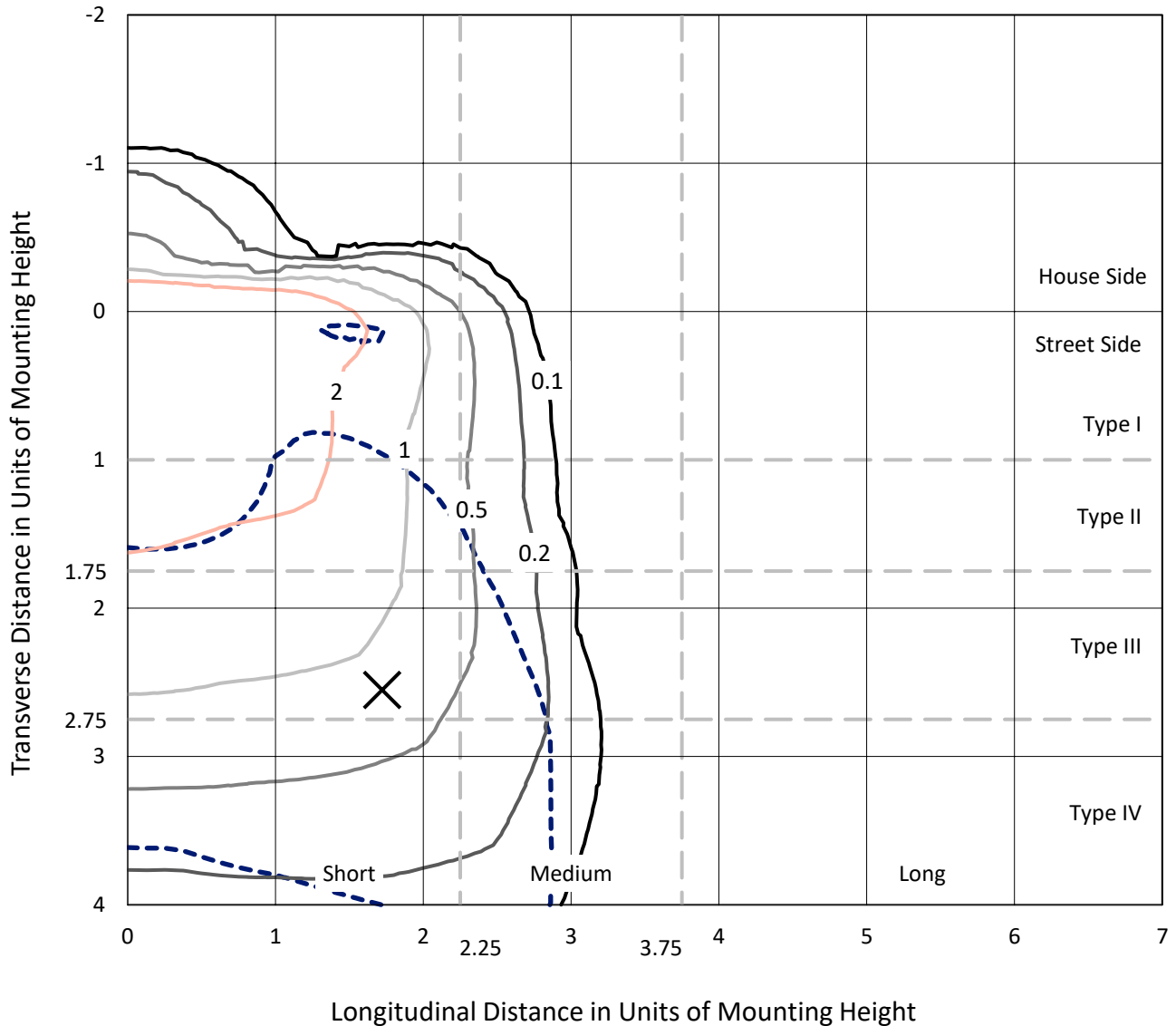
Lumens per Lamp: N/A  
Luminaire Lumens: 17771.4 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

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: P483163  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

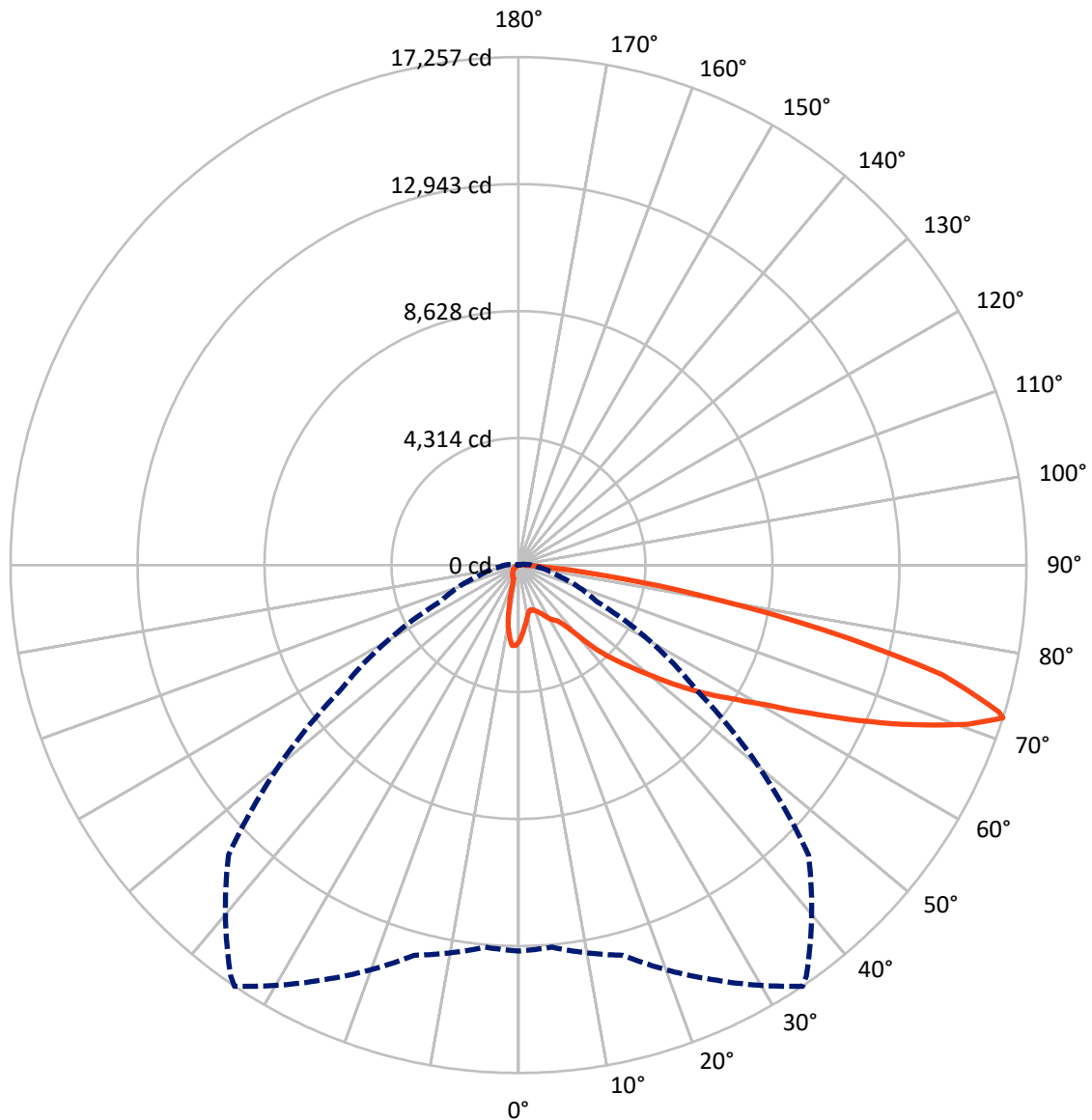
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483163  
CATALOG NUMBER: IFLD-S-SA6A-730-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P483163  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1819.4	0.0	1819.4
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	15952.0	0.0	15952.0
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	17771.4	0.0	17771.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.7	1.3
10°-20°	511.0	2.9
20°-30°	771.3	4.3
30°-40°	1251.6	7.0
40°-50°	2353.6	13.2
50°-60°	3848.2	21.7
60°-70°	5115.6	28.8
70°-80°	3425.9	19.3
80°-90°	268.5	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°	17771.4	100.0
0°-180°	17771.4	100.0



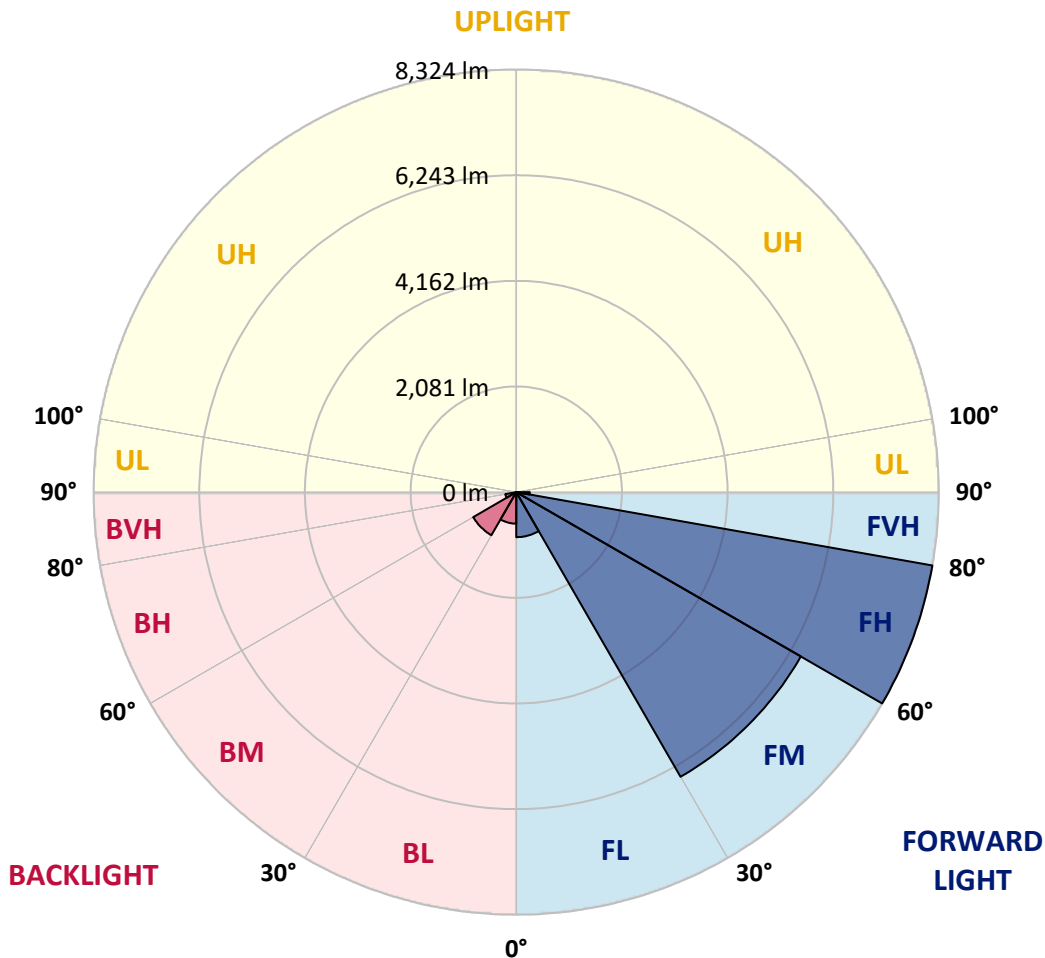
REPORT NUMBER: P483163  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	887.2	5.0			
FM (30°-60°)	6474.1	36.4			
FH (60°-80°)	8324.0	46.8			G4/12000
FVH (80°-90°)	266.8	1.5			G3/500
BL (0°-30°)	620.8	3.5	B2/1000		
BM (30°-60°)	979.3	5.5	B1/1000		
BH (60°-80°)	217.6	1.2	B1/500		G1/500
BVH (80°-90°)	1.7	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: P483163

CATALOG NUMBER: IFLD-S-SA6A-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0
2.5°	2299.4	2294.2	2309.7	2335.3	2361.0	2350.8	2399.6	2451.0	2486.9	2535.7	2594.8
5°	2009.1	2021.9	2037.3	2088.7	2122.1	2129.8	2219.7	2286.5	2397.0	2510.0	2615.4
7.5°	1744.4	1759.9	1790.7	1847.2	1916.6	1934.6	2024.5	2158.1	2301.9	2451.0	2623.1
10°	1551.8	1567.2	1600.6	1636.5	1729.0	1729.0	1852.3	2037.3	2224.9	2399.6	2625.7
12.5°	1510.7	1518.4	1515.8	1544.0	1603.1	1616.0	1736.7	1939.7	2158.1	2381.6	2666.8
15°	1559.5	1564.6	1538.9	1523.5	1574.9	1587.7	1700.8	1880.6	2114.4	2391.9	2733.6
17.5°	1657.1	1639.1	1587.7	1564.6	1608.3	1616.0	1721.3	1878.0	2109.3	2420.1	2810.6
20°	1713.6	1734.2	1644.2	1600.6	1662.2	1672.5	1785.5	1919.1	2134.9	2468.9	2918.5
22.5°	1813.8	1824.1	1703.3	1675.1	1734.2	1734.2	1862.6	2001.4	2196.6	2548.6	3047.0
25°	1955.1	1942.3	1801.0	1772.7	1829.2	1852.3	1980.8	2132.4	2291.7	2623.1	3165.2
27.5°	2065.6	2073.3	1957.7	1883.2	1978.2	1993.6	2132.4	2273.7	2363.6	2684.7	3309.0
30°	2230.0	2214.6	2091.3	2006.5	2124.7	2127.2	2260.8	2407.3	2502.3	2795.2	3524.9
32.5°	2425.3	2394.4	2253.1	2132.4	2227.4	2250.6	2386.7	2600.0	2718.1	3003.3	3858.8
35°	2838.9	2764.4	2533.2	2345.6	2353.3	2363.6	2574.3	2880.0	3016.2	3267.9	4305.9
37.5°	3442.6	3411.8	3149.8	2792.6	2656.5	2625.7	2862.0	3250.0	3419.5	3617.3	4886.5
40°	4041.2	3997.6	3753.5	3483.7	3237.1	3175.4	3293.6	3740.7	3894.8	4102.9	5482.5
42.5°	4706.7	4629.6	4341.8	4123.5	3969.3	3902.5	3856.3	4357.3	4532.0	4673.3	6065.7
45°	5379.8	5253.9	4837.7	4670.7	4588.5	4552.5	4547.4	5133.1	5238.5	5266.7	6713.1
47.5°	5970.7	5834.5	5456.8	5269.3	5207.6	5197.4	5485.1	6027.2	5945.0	5870.5	7435.1
50°	6425.4	6338.1	6065.7	5998.9	5952.7	5934.7	6607.8	6946.9	6566.7	6435.7	8069.6
52.5°	7129.3	6934.1	6625.8	6648.9	6810.8	6813.3	7745.9	7820.4	7083.1	6823.6	8668.3
55°	7692.0	7563.5	7311.8	7278.4	7704.8	7751.1	8765.9	8483.3	7370.8	7193.6	8889.2
57.5°	8354.8	8295.7	8113.3	8118.5	8565.5	8663.1	9672.8	9043.3	7609.8	7432.5	8922.6
60°	9313.1	9143.5	9048.5	9092.2	9618.8	9713.9	10551.4	9446.7	7725.4	7589.2	8840.4
62.5°	10371.6	10173.8	10071.0	10294.5	11062.7	11078.1	11219.4	9803.8	7653.4	7630.3	8311.1
65°	11645.9	11450.6	11368.4	11818.0	12730.1	12673.5	12157.1	9955.4	7424.8	7216.7	6921.2
67.5°	12915.0	12796.9	12627.3	13344.1	14479.6	14479.6	13130.8	9898.9	6826.2	5793.4	4526.8
70°	13516.2	13598.4	13868.2	14993.5	16198.4	16075.1	14091.7	9248.9	5081.7	3111.2	1780.4
72°	13115.4	13030.6	13726.9	15533.0	17256.9	17053.9	13929.8	7352.9	2936.5	1364.2	619.2
72.5°	12426.9	12506.5	13464.8	15458.5	17059.0	17226.0	13534.2	6782.5	2415.0	1086.7	467.6
75°	7620.0	7756.2	10050.4	13125.7	14865.0	14677.5	10469.2	3232.0	927.5	462.4	167.0
77.5°	2782.4	2895.4	4876.2	8259.8	10572.0	10453.8	6058.0	1148.4	503.6	344.3	84.8
80°	724.5	783.6	1657.1	3810.0	6217.3	6225.0	2535.7	459.9	341.7	282.6	51.4
82.5°	143.9	159.3	508.7	1482.4	2905.7	2867.2	801.6	246.6	256.9	231.2	36.0
85°	18.0	23.1	107.9	503.6	940.3	842.7	197.8	123.3	190.1	179.8	23.1
87.5°	2.6	2.6	25.7	115.6	197.8	192.7	41.1	38.5	84.8	110.5	12.8
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: P483163

CATALOG NUMBER: IFLD-S-SA6A-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0	2600.0
2.5°	2628.2	2638.5	2674.5	2705.3	2741.3	2751.5	2736.1	2761.8	2725.9	2746.4	2751.5
5°	2633.4	2692.5	2759.2	2802.9	2792.6	2767.0	2746.4	2677.0	2628.2	2610.2	2648.8
7.5°	2669.3	2736.1	2808.1	2808.1	2751.5	2617.9	2489.5	2366.2	2263.4	2212.0	2255.7
10°	2715.6	2784.9	2859.4	2761.8	2551.1	2307.1	2124.7	1893.5	1736.7	1654.5	1662.2
12.5°	2777.2	2874.9	2900.6	2674.5	2325.1	1962.8	1631.4	1310.3	1161.2	1043.1	1045.6
15°	2856.9	2951.9	2874.9	2484.4	2037.3	1502.9	1104.7	799.0	680.8	619.2	619.2
17.5°	2962.2	3034.1	2867.2	2309.7	1649.4	1027.7	678.3	539.5	513.8	503.6	503.6
20°	3085.5	3139.5	2792.6	2037.3	1225.5	660.3	498.4	483.0	485.6	480.4	480.4
22.5°	3224.3	3242.2	2707.9	1721.3	829.8	488.1	465.0	467.6	470.2	465.0	467.6
25°	3370.7	3321.9	2584.5	1351.4	552.4	444.5	449.6	454.7	457.3	459.9	459.9
27.5°	3535.1	3437.5	2412.4	989.1	431.6	418.8	434.2	449.6	452.2	452.2	449.6
30°	3776.6	3614.8	2245.4	670.5	380.2	390.5	416.2	434.2	447.0	447.0	444.5
32.5°	4082.4	3799.7	2011.6	457.3	352.0	357.1	377.7	413.6	441.9	444.5	436.8
35°	4506.3	4023.3	1767.6	364.8	331.4	334.0	346.8	375.1	423.9	439.3	436.8
37.5°	4953.3	4277.6	1464.4	328.8	316.0	313.4	321.1	344.3	387.9	426.5	429.0
40°	5428.6	4544.8	1145.8	310.9	303.2	298.0	300.6	310.9	344.3	393.1	403.4
42.5°	5875.6	4786.3	860.7	292.9	290.3	285.2	285.2	287.7	305.7	339.1	344.3
45°	6358.6	4984.1	655.1	280.0	272.3	274.9	264.6	259.5	272.3	274.9	272.3
47.5°	6810.8	5181.9	524.1	264.6	256.9	256.9	244.1	233.8	233.8	210.7	208.1
50°	7234.7	5289.8	418.8	244.1	241.5	238.9	220.9	203.0	187.5	159.3	154.1
52.5°	7586.7	5284.7	323.7	218.4	226.1	218.4	190.1	164.4	141.3	115.6	110.5
55°	7692.0	5038.1	244.1	179.8	192.7	182.4	151.6	128.5	102.8	82.2	79.6
57.5°	7602.1	4663.0	185.0	138.7	149.0	138.7	115.6	95.1	71.9	56.5	51.4
60°	7301.5	4223.7	143.9	107.9	113.0	105.3	87.4	71.9	51.4	36.0	30.8
62.5°	6731.1	3673.9	110.5	84.8	82.2	82.2	66.8	54.0	36.0	20.6	18.0
65°	5523.6	2864.6	84.8	59.1	59.1	59.1	51.4	38.5	23.1	10.3	5.1
67.5°	3468.3	1667.4	69.4	46.2	43.7	43.7	36.0	25.7	12.8	2.6	0.0
70°	1305.1	611.5	54.0	36.0	33.4	33.4	25.7	15.4	7.7	0.0	0.0
72°	449.6	233.8	43.7	25.7	25.7	23.1	18.0	12.8	5.1	0.0	0.0
72.5°	370.0	187.5	41.1	25.7	23.1	23.1	18.0	12.8	5.1	0.0	0.0
75°	133.6	77.1	28.3	18.0	15.4	15.4	12.8	7.7	2.6	0.0	0.0
77.5°	66.8	48.8	23.1	15.4	12.8	7.7	7.7	5.1	2.6	0.0	0.0
80°	41.1	30.8	12.8	10.3	7.7	5.1	2.6	2.6	0.0	0.0	0.0
82.5°	28.3	18.0	7.7	7.7	5.1	2.6	0.0	0.0	0.0	0.0	0.0
85°	18.0	7.7	5.1	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	5.1	2.6	0.0	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)