

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: P483170

Luminaire Tested: **IFLD-M-SA4C-730-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483170  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-730-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

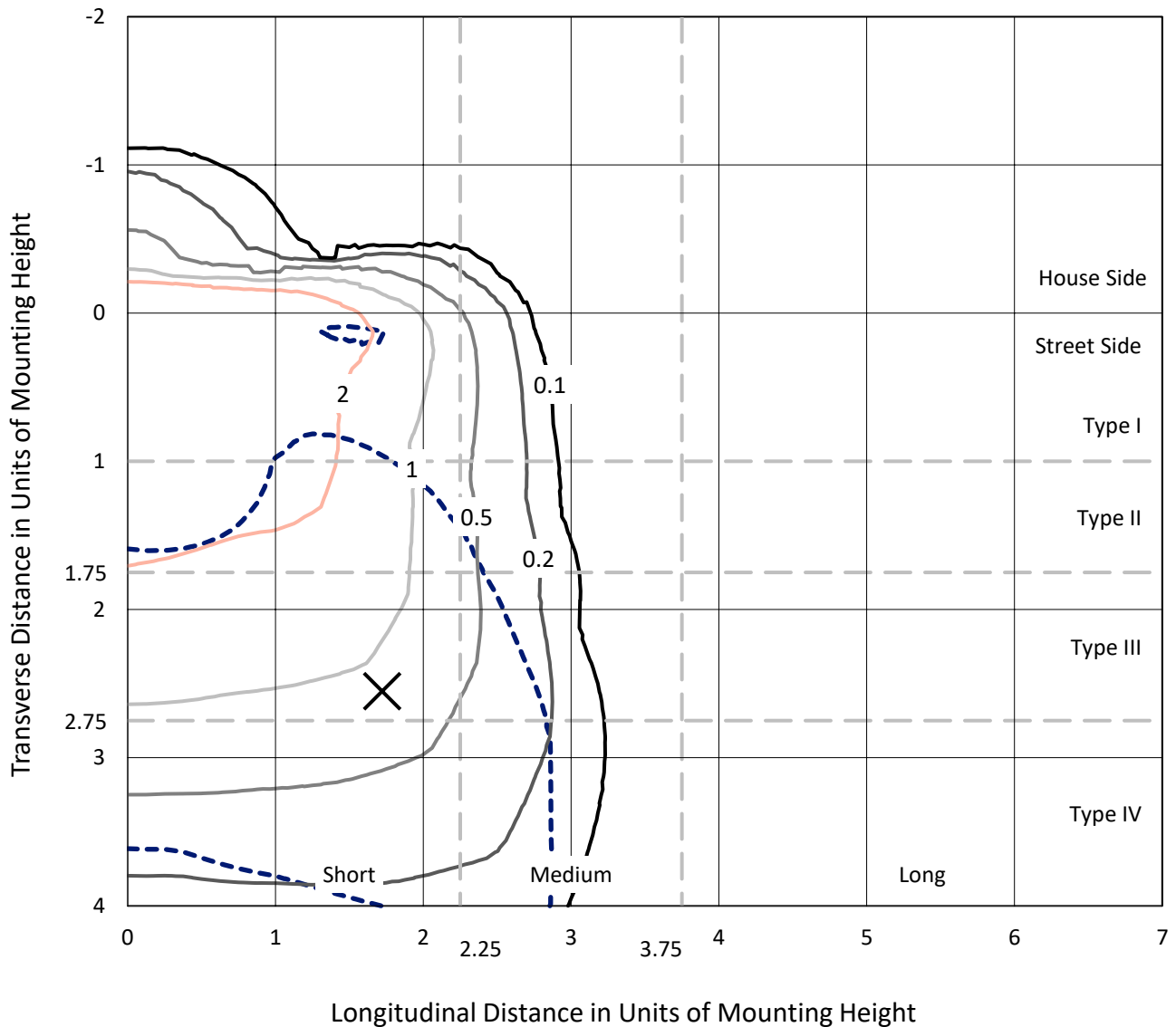
Lumens per Lamp: N/A  
Luminaire Lumens: 18720.6 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 218.1  
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: P483170  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

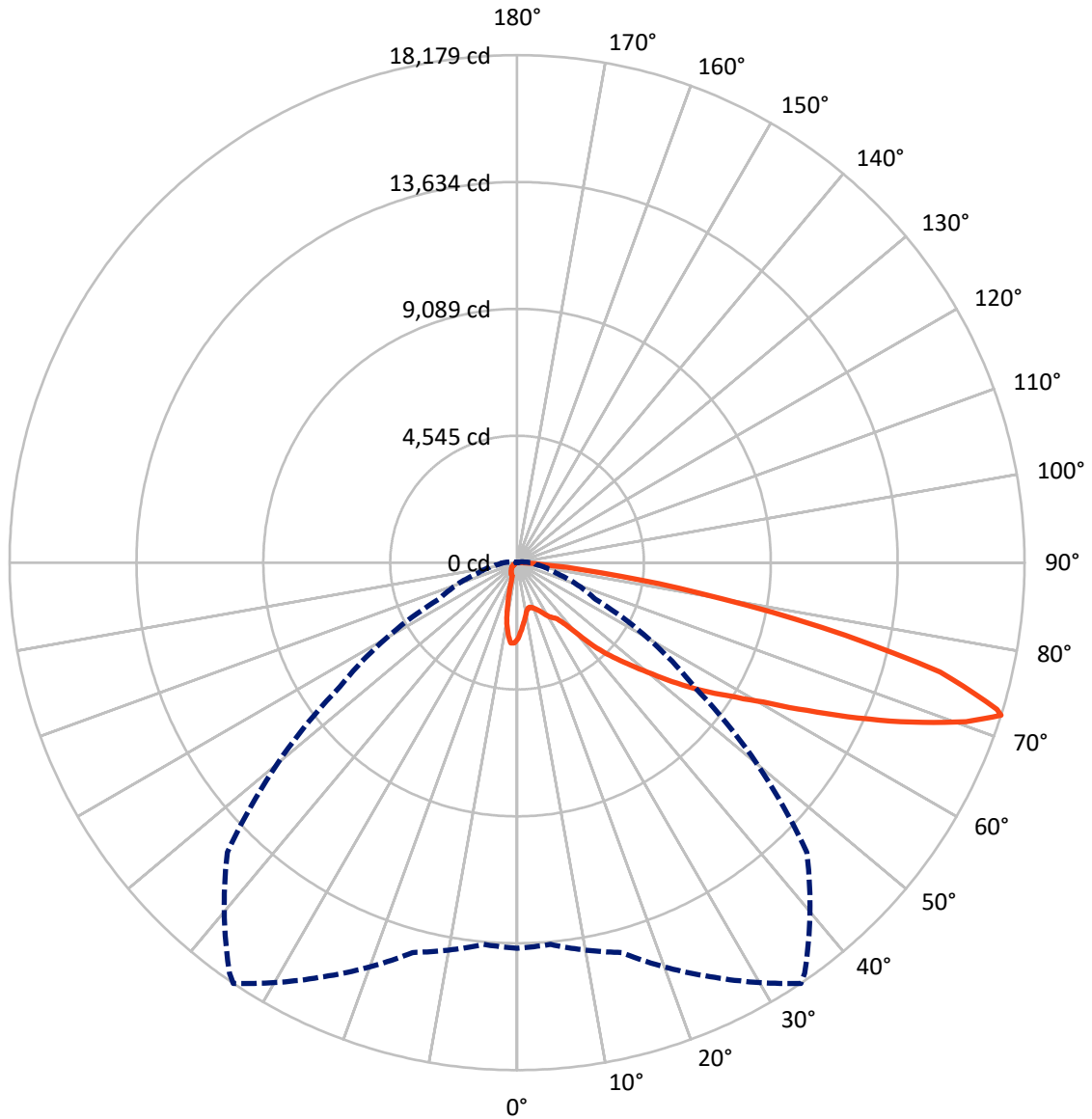
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483170  
CATALOG NUMBER: IFLD-M-SA4C-730-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P483170  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1916.5	0.0	1916.5
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	16804.1	0.0	16804.1
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	18720.6	0.0	18720.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.8	1.3
10°-20°	538.3	2.9
20°-30°	812.5	4.3
30°-40°	1318.5	7.0
40°-50°	2479.3	13.2
50°-60°	4053.8	21.7
60°-70°	5388.9	28.8
70°-80°	3608.9	19.3
80°-90°	282.8	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°	18720.6	100.0
0°-180°	18720.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P483170

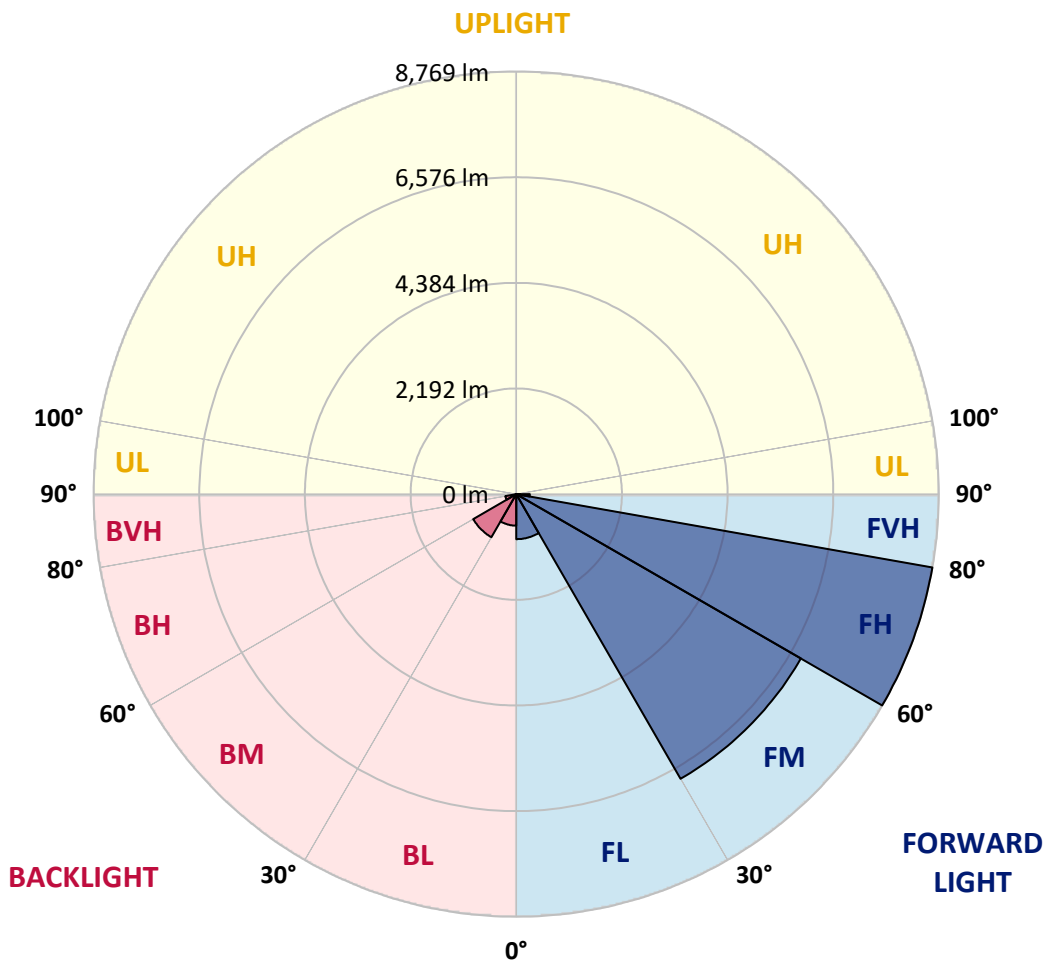
CATALOG NUMBER: IFLD-M-SA4C-730-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	934.6	5.0			
FM (30°-60°)	6819.9	36.4			
FH (60°-80°)	8768.6	46.8			G4/12000
FVH (80°-90°)	281.0	1.5			G3/500
BL (0°-30°)	653.9	3.5	B2/1000		
BM (30°-60°)	1031.7	5.5	B2/2500		
BH (60°-80°)	229.2	1.2	B1/500		G1/500
BVH (80°-90°)	1.8	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: P483170

CATALOG NUMBER: IFLD-M-SA4C-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8
2.5°	2422.2	2416.8	2433.0	2460.1	2487.2	2476.3	2527.8	2581.9	2619.8	2671.2	2733.4
5°	2116.4	2129.9	2146.2	2200.3	2235.5	2243.6	2338.3	2408.7	2525.0	2644.1	2755.1
7.5°	1837.6	1853.9	1886.3	1945.9	2019.0	2037.9	2132.6	2273.4	2424.9	2581.9	2763.2
10°	1634.6	1650.9	1686.1	1724.0	1821.4	1821.4	1951.3	2146.2	2343.7	2527.8	2765.9
12.5°	1591.3	1599.5	1596.8	1626.5	1688.8	1702.3	1829.5	2043.3	2273.4	2508.8	2809.2
15°	1642.8	1648.2	1621.1	1604.9	1659.0	1672.5	1791.6	1981.1	2227.3	2519.6	2879.6
17.5°	1745.6	1726.7	1672.5	1648.2	1694.2	1702.3	1813.3	1978.4	2221.9	2549.4	2960.8
20°	1805.1	1826.8	1732.1	1686.1	1751.0	1761.8	1880.9	2021.7	2249.0	2600.8	3074.4
22.5°	1910.7	1921.5	1794.3	1764.6	1826.8	1826.8	1962.1	2108.3	2313.9	2684.7	3209.8
25°	2059.5	2046.0	1897.2	1867.4	1926.9	1951.3	2086.6	2246.3	2414.1	2763.2	3334.2
27.5°	2175.9	2184.0	2062.3	1983.8	2083.9	2100.1	2246.3	2395.1	2489.9	2828.2	3485.8
30°	2349.1	2332.9	2203.0	2113.7	2238.2	2240.9	2381.6	2535.9	2636.0	2944.5	3713.1
32.5°	2554.8	2522.3	2373.5	2246.3	2346.4	2370.8	2514.2	2738.8	2863.3	3163.7	4065.0
35°	2990.5	2912.1	2668.5	2470.9	2479.0	2489.9	2711.8	3033.8	3177.3	3442.5	4535.9
37.5°	3626.5	3594.1	3318.0	2941.8	2798.4	2765.9	3014.9	3423.6	3602.2	3810.6	5147.5
40°	4257.1	4211.1	3954.0	3669.8	3410.0	3345.1	3469.6	3940.5	4102.9	4322.1	5775.4
42.5°	4958.1	4876.9	4573.8	4343.7	4181.3	4111.0	4062.3	4590.0	4774.0	4922.9	6389.7
45°	5667.1	5534.5	5096.1	4920.2	4833.6	4795.7	4790.3	5407.3	5518.3	5548.1	7071.7
47.5°	6289.6	6146.2	5748.3	5550.8	5485.8	5475.0	5778.1	6349.1	6262.5	6184.1	7832.2
50°	6768.6	6676.6	6389.7	6319.4	6270.7	6251.7	6960.8	7318.0	6917.5	6779.5	8500.7
52.5°	7510.2	7304.5	6979.7	7004.1	7174.6	7177.3	8159.7	8238.2	7461.5	7188.1	9131.3
55°	8102.9	7967.6	7702.3	7667.1	8116.4	8165.1	9234.1	8936.4	7764.6	7577.8	9364.0
57.5°	8801.1	8738.9	8546.7	8552.1	9023.0	9125.9	10189.5	9526.4	8016.3	7829.5	9399.2
60°	9810.6	9632.0	9531.8	9577.8	10132.7	10232.8	11115.1	9951.3	8138.1	7994.6	9312.6
62.5°	10925.6	10717.2	10609.0	10844.4	11653.6	11669.9	11818.7	10327.5	8062.3	8037.9	8755.1
65°	12268.0	12062.3	11975.7	12449.3	13410.1	13350.5	12806.5	10487.2	7821.4	7602.2	7291.0
67.5°	13604.9	13480.4	13301.8	14056.9	15253.1	15253.1	13832.3	10427.6	7190.8	6102.9	4768.6
70°	14238.2	14324.8	14609.0	15794.4	17063.7	16933.8	14844.4	9742.9	5353.2	3277.4	1875.5
72°	13816.0	13726.7	14460.1	16362.7	18178.7	17964.9	14673.9	7745.6	3093.4	1437.1	652.2
72.5°	13090.7	13174.6	14184.1	16284.2	17970.3	18146.2	14257.2	7144.8	2544.0	1144.8	492.6
75°	8027.1	8170.5	10587.3	13826.8	15659.1	15461.5	11028.5	3404.6	977.0	487.1	175.9
77.5°	2931.0	3050.1	5136.7	8701.0	11136.7	11012.2	6381.6	1209.7	530.4	362.7	89.3
80°	763.2	825.4	1745.6	4013.5	6549.4	6557.5	2671.2	484.4	359.9	297.7	54.1
82.5°	151.6	167.8	535.9	1561.6	3060.9	3020.3	844.4	259.8	270.6	243.6	37.9
85°	18.9	24.4	113.7	530.4	990.5	887.7	208.4	129.9	200.3	189.4	24.4
87.5°	2.7	2.7	27.1	121.8	208.4	203.0	43.3	40.6	89.3	116.4	13.5
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: P483170

CATALOG NUMBER: IFLD-M-SA4C-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8	2738.8
2.5°	2768.6	2779.4	2817.3	2849.8	2887.7	2898.5	2882.3	2909.3	2871.5	2893.1	2898.5
5°	2774.0	2836.3	2906.6	2952.7	2941.8	2914.8	2893.1	2820.0	2768.6	2749.7	2790.3
7.5°	2811.9	2882.3	2958.1	2958.1	2898.5	2757.8	2622.5	2492.6	2384.3	2330.2	2376.2
10°	2860.6	2933.7	3012.2	2909.3	2687.4	2430.3	2238.2	1994.6	1829.5	1742.9	1751.0
12.5°	2925.6	3028.4	3055.5	2817.3	2449.3	2067.7	1718.5	1380.2	1223.3	1098.8	1101.5
15°	3009.5	3109.6	3028.4	2617.1	2146.2	1583.2	1163.7	841.7	717.2	652.2	652.2
17.5°	3120.4	3196.2	3020.3	2433.0	1737.5	1082.5	714.5	568.3	541.3	530.4	530.4
20°	3250.4	3307.2	2941.8	2146.2	1290.9	695.5	525.0	508.8	511.5	506.1	506.1
22.5°	3396.5	3415.4	2852.5	1813.3	874.2	514.2	489.9	492.6	495.3	489.9	492.6
25°	3550.8	3499.3	2722.6	1423.6	581.9	468.2	473.6	479.0	481.7	484.4	484.4
27.5°	3724.0	3621.1	2541.3	1042.0	454.7	441.1	457.4	473.6	476.3	476.3	473.6
30°	3978.4	3807.9	2365.4	706.4	400.5	411.4	438.4	457.4	470.9	470.9	468.2
32.5°	4300.4	4002.7	2119.1	481.7	370.8	376.2	397.8	435.7	465.5	468.2	460.1
35°	4747.0	4238.2	1862.0	384.3	349.1	351.8	365.4	395.1	446.6	462.8	460.1
37.5°	5217.9	4506.1	1542.6	346.4	332.9	330.2	338.3	362.7	408.7	449.3	452.0
40°	5718.6	4787.6	1207.0	327.5	319.4	313.9	316.6	327.5	362.7	414.1	424.9
42.5°	6189.5	5042.0	906.6	308.5	305.8	300.4	300.4	303.1	322.1	357.2	362.7
45°	6698.3	5250.4	690.1	295.0	286.9	289.6	278.8	273.3	286.9	289.6	286.9
47.5°	7174.6	5458.7	552.1	278.8	270.6	270.6	257.1	246.3	246.3	221.9	219.2
50°	7621.1	5572.4	441.1	257.1	254.4	251.7	232.7	213.8	197.6	167.8	162.4
52.5°	7991.9	5567.0	341.0	230.0	238.2	230.0	200.3	173.2	148.9	121.8	116.4
55°	8102.9	5307.2	257.1	189.4	203.0	192.2	159.7	135.3	108.3	86.6	83.9
57.5°	8008.2	4912.1	194.9	146.1	157.0	146.1	121.8	100.1	75.8	59.5	54.1
60°	7691.5	4449.3	151.6	113.7	119.1	111.0	92.0	75.8	54.1	37.9	32.5
62.5°	7090.7	3870.1	116.4	89.3	86.6	86.6	70.4	56.8	37.9	21.7	18.9
65°	5818.7	3017.6	89.3	62.2	62.2	62.2	54.1	40.6	24.4	10.8	5.4
67.5°	3653.6	1756.4	73.1	48.7	46.0	46.0	37.9	27.1	13.5	2.7	0.0
70°	1374.8	644.1	56.8	37.9	35.2	35.2	27.1	16.2	8.1	0.0	0.0
72°	473.6	246.3	46.0	27.1	27.1	24.4	18.9	13.5	5.4	0.0	0.0
72.5°	389.7	197.6	43.3	27.1	24.4	24.4	18.9	13.5	5.4	0.0	0.0
75°	140.7	81.2	29.8	18.9	16.2	16.2	13.5	8.1	2.7	0.0	0.0
77.5°	70.4	51.4	24.4	16.2	13.5	8.1	8.1	5.4	2.7	0.0	0.0
80°	43.3	32.5	13.5	10.8	8.1	5.4	2.7	2.7	0.0	0.0	0.0
82.5°	29.8	18.9	8.1	8.1	5.4	2.7	0.0	0.0	0.0	0.0	0.0
85°	18.9	8.1	5.4	5.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.1	5.4	2.7	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)