

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: P481526

Luminaire Tested: **IFLD-S-SA6B-722-U-T2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P481526  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-722-U-T2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield  
Light Source: (96) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

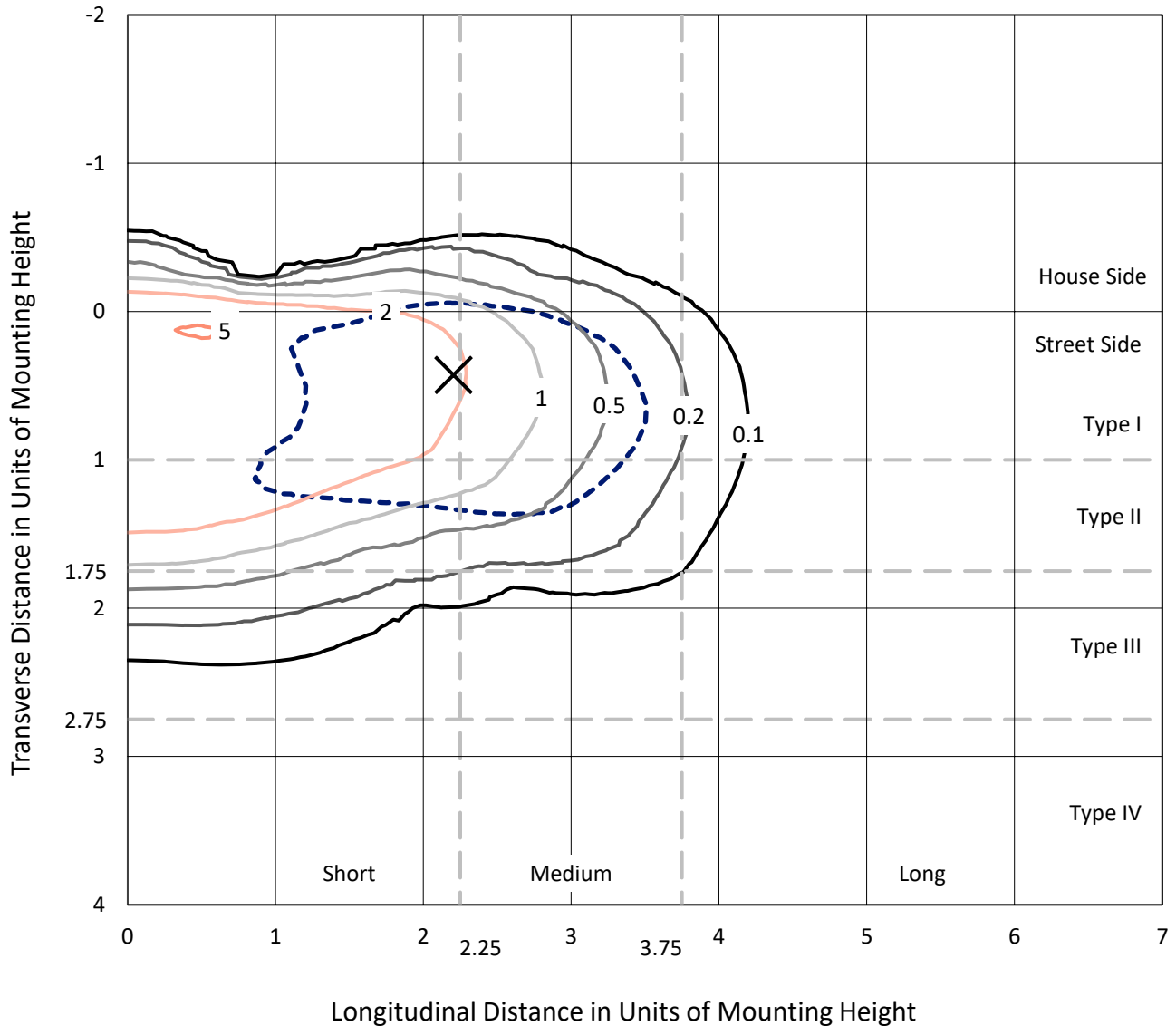
Lumens per Lamp: N/A  
Luminaire Lumens: 17706.4 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G3

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

REPORT NUMBER: P481526  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

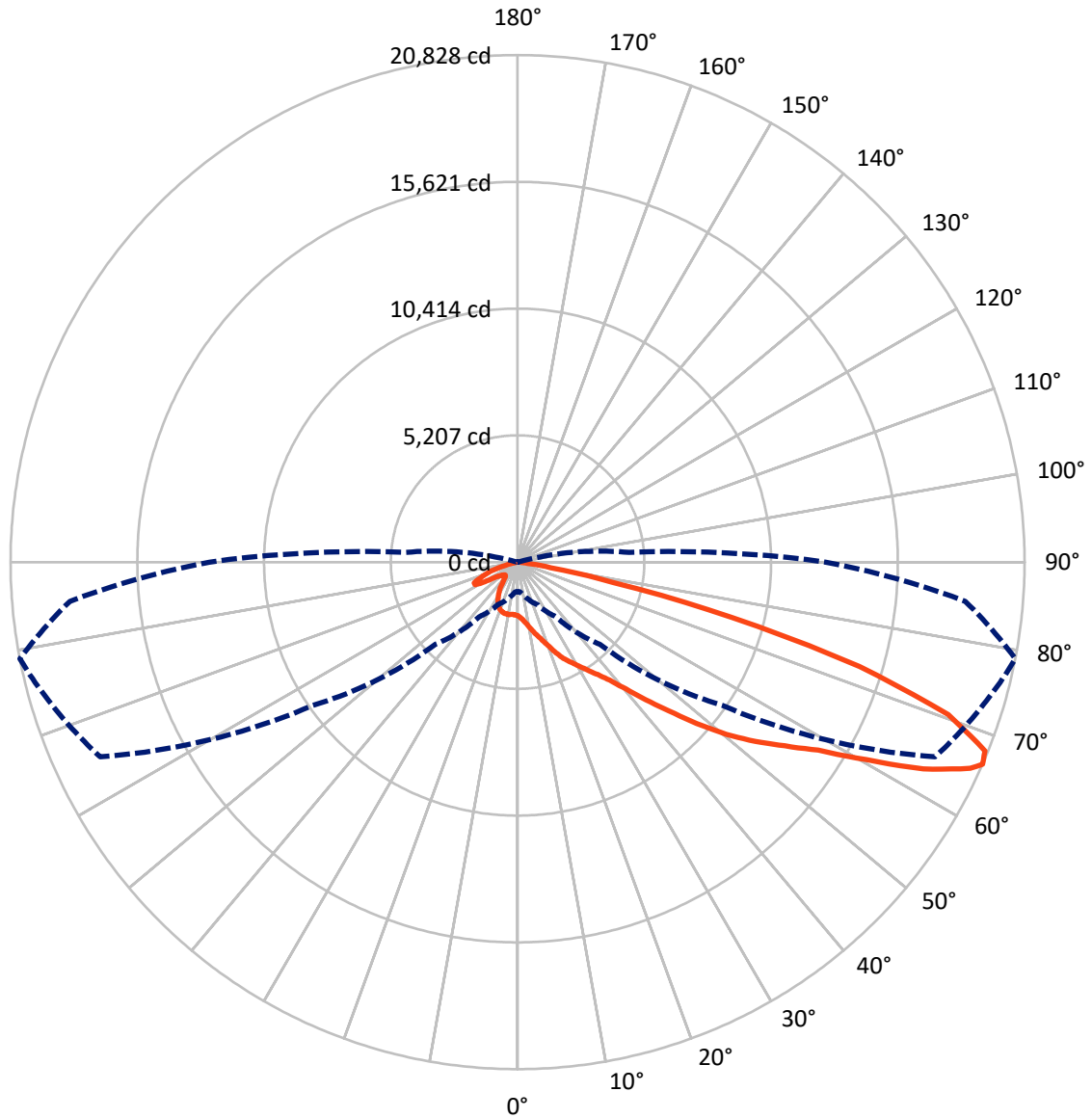
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P481526  
CATALOG NUMBER: IFLD-S-SA6B-722-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P481526  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1329.5	0.0	1329.5
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	16376.9	0.0	16376.9
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	17706.4	0.0	17706.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.3	1.2
10°-20°	573.4	3.2
20°-30°	952.5	5.4
30°-40°	1636.0	9.2
40°-50°	2963.9	16.7
50°-60°	4685.0	26.5
60°-70°	4767.3	26.9
70°-80°	1818.0	10.3
80°-90°	101.9	0.6
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°	17706.4	100.0
0°-180°	17706.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P481526

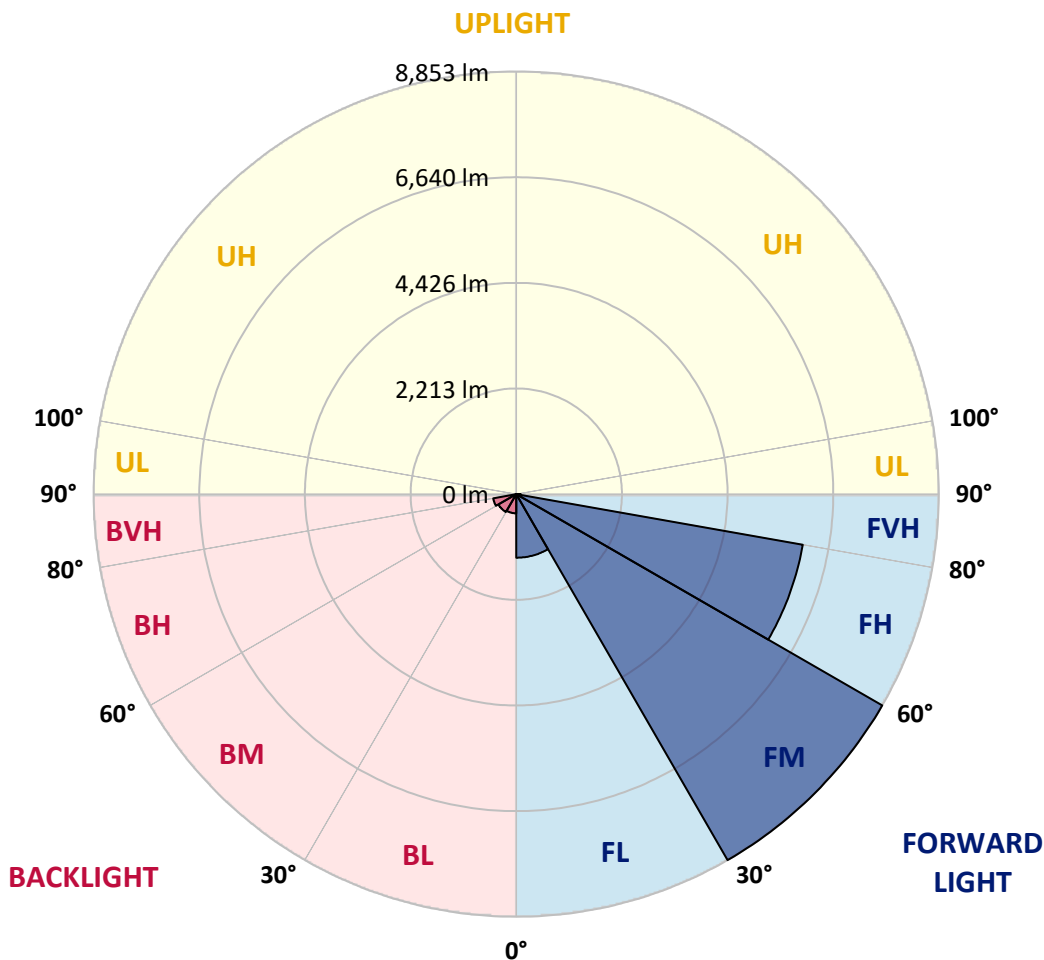
CATALOG NUMBER: IFLD-S-SA6B-722-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1332.1	7.5			
FM (30°-60°)	8852.8	50.0			
FH (60°-80°)	6095.3	34.4			G3/7500
FVH (80°-90°)	96.7	0.5			G1/100
BL (0°-30°)	402.1	2.3	B1/500		
BM (30°-60°)	432.1	2.4	B1/1000		
BH (60°-80°)	490.1	2.8	B1/500		G1/500
BVH (80°-90°)	5.2	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 Short





REPORT NUMBER: P481526

CATALOG NUMBER: IFLD-S-SA6B-722-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9
2.5°	2495.0	2492.2	2481.3	2462.2	2437.6	2429.5	2394.0	2344.8	2317.5	2287.5	2273.9
5°	2666.9	2653.3	2686.0	2672.4	2677.9	2612.3	2568.7	2533.2	2429.5	2388.5	2323.0
7.5°	2705.2	2718.8	2716.1	2737.9	2759.7	2784.3	2754.3	2702.4	2598.7	2538.6	2467.7
10°	2705.2	2699.7	2721.5	2751.6	2814.3	2868.9	2950.8	2882.6	2803.4	2732.5	2604.2
12.5°	2656.0	2647.8	2669.7	2732.5	2844.4	2956.3	3046.4	3111.9	3000.0	2942.6	2776.1
15°	2505.9	2497.7	2587.8	2699.7	2847.1	3030.0	3218.3	3324.8	3248.4	3158.3	2972.7
17.5°	2320.3	2331.2	2426.7	2612.3	2847.1	3065.5	3305.7	3537.7	3526.8	3412.2	3218.3
20°	2257.5	2265.7	2361.2	2495.0	2762.5	3090.0	3442.2	3769.7	3835.3	3698.8	3444.9
22.5°	2377.6	2369.4	2377.6	2459.5	2705.2	3068.2	3532.3	4034.5	4151.9	4045.4	3742.4
25°	2787.0	2781.6	2713.3	2587.8	2672.4	3019.1	3578.7	4209.2	4479.5	4381.2	3982.7
27.5°	3387.6	3365.7	3259.3	2997.2	2825.3	3049.1	3655.1	4378.5	4766.1	4654.2	4198.3
30°	4031.8	3979.9	3840.7	3513.2	3221.1	3161.0	3698.8	4504.0	5085.5	4943.5	4386.7
32.5°	4476.7	4545.0	4501.3	4168.3	3720.6	3420.3	3769.7	4662.4	5380.3	5287.5	4708.8
35°	5164.6	5243.8	5060.9	4766.1	4315.7	3832.5	3919.9	4790.7	5833.4	5677.8	5009.0
37.5°	6032.7	6092.7	5961.7	5402.1	4927.1	4340.3	4228.3	5058.2	6223.8	6150.1	5393.9
40°	6469.4	6758.8	6573.2	6068.2	5557.7	5050.0	4738.8	5372.1	6903.5	6843.4	5926.2
42.5°	7072.7	7217.4	7121.8	6747.9	6215.6	5808.8	5369.4	5983.6	7727.8	7727.8	6646.9
45°	7711.5	7716.9	7711.5	7405.7	6933.5	6723.3	6221.0	6750.6	8615.0	8713.3	7509.5
47.5°	8235.6	8399.4	8385.7	8202.8	7837.0	7757.9	7072.7	7624.1	9728.7	9900.7	8350.2
50°	8505.8	8688.7	8743.3	8838.8	8822.5	8989.0	8003.5	8636.8	10689.6	11112.7	9431.2
52.5°	8432.1	8445.8	8781.5	9158.2	9758.8	10225.5	9125.5	9786.1	11814.2	12231.9	10266.5
55°	7828.8	7777.0	8467.6	8898.9	10140.9	10981.7	10678.7	11219.2	12690.5	13326.5	11129.1
57.5°	6504.9	6518.6	7157.3	8033.6	9857.0	11281.9	12338.3	13091.7	13918.9	14560.3	12341.1
60°	4490.4	4474.0	5189.2	6201.9	8189.2	10722.3	13293.7	15518.5	15562.1	16471.1	14516.7
62.5°	2525.0	2530.5	3073.7	3939.0	5729.7	8762.4	13247.3	18095.3	17909.7	18706.8	16989.8
65°	1430.4	1465.9	1839.8	2333.9	3431.3	5882.6	11393.9	19121.7	19719.5	20429.2	18491.1
66°	1209.3	1233.8	1553.2	1927.2	2737.9	4771.6	10255.6	18922.4	20287.3	20827.8	18461.1
67.5°	936.3	969.1	1236.6	1528.6	2009.1	3303.0	8254.7	17931.5	20391.0	20707.7	17939.7
70°	641.5	663.3	868.1	1160.1	1373.1	1689.7	4935.3	14825.1	18502.1	18769.6	15592.2
72.5°	450.4	461.3	608.7	879.0	1056.4	966.3	2448.6	10547.6	14159.1	14680.4	12128.2
75°	324.8	335.8	417.6	630.6	824.4	633.3	1121.9	6737.0	8683.2	9092.7	7304.7
77.5°	234.8	248.4	283.9	406.7	597.8	444.9	551.4	3518.6	4094.6	4023.6	3141.9
80°	141.9	155.6	210.2	262.1	436.8	313.9	303.0	1468.6	1452.2	1378.5	988.2
82.5°	65.5	76.4	111.9	177.4	305.7	218.4	144.7	524.1	458.6	420.4	278.4
85°	19.1	24.6	65.5	133.8	155.6	106.5	87.4	180.2	188.4	161.1	92.8
87.5°	0.0	2.7	30.0	32.8	46.4	35.5	32.8	46.4	87.4	71.0	30.0
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: P481526  
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9	2202.9
2.5°	2224.7	2205.6	2159.2	2088.2	2025.5	1992.7	1946.3	1905.3	1883.5	1880.8	1878.0
5°	2279.3	2227.5	2115.5	1987.2	1891.7	1788.0	1717.0	1665.1	1616.0	1569.6	1596.9
7.5°	2353.0	2271.1	2088.2	1921.7	1714.3	1580.5	1454.9	1381.2	1337.6	1296.6	1291.2
10°	2467.7	2363.9	2069.1	1768.9	1531.4	1334.8	1206.5	1100.1	1040.0	969.1	996.3
12.5°	2623.3	2437.6	1998.2	1629.6	1323.9	1116.5	933.6	761.6	666.1	592.3	595.1
15°	2778.9	2535.9	1932.6	1460.4	1135.6	862.6	595.1	477.7	450.4	434.0	439.5
17.5°	2931.7	2615.1	1831.6	1288.4	919.9	548.7	434.0	409.5	395.8	379.4	379.4
20°	3117.3	2666.9	1706.1	1130.1	633.3	406.7	371.2	354.9	333.0	311.2	313.9
22.5°	3297.5	2710.6	1561.4	928.1	425.8	352.1	311.2	289.4	270.2	248.4	248.4
25°	3477.7	2724.3	1373.1	666.1	343.9	281.2	242.9	212.9	193.8	174.7	177.4
27.5°	3600.5	2639.6	1195.6	425.8	275.7	212.9	169.2	144.7	128.3	109.2	109.2
30°	3671.5	2484.0	1004.5	300.3	207.5	144.7	101.0	76.4	60.1	46.4	43.7
32.5°	3742.4	2358.5	788.9	229.3	136.5	76.4	38.2	13.6	0.0	0.0	0.0
35°	3884.4	2216.5	529.6	128.3	46.4	2.7	0.0	0.0	0.0	0.0	0.0
37.5°	3974.5	2020.0	242.9	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4201.0	1921.7	60.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4569.6	1853.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	4973.6	1826.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5511.3	1899.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6079.1	2099.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6701.5	2287.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7244.7	2514.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	8243.8	3049.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10037.2	4100.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	12057.2	4880.7	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	12796.9	4861.6	51.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	12665.9	4594.1	51.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	11986.2	4080.9	46.4	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	10293.8	3371.2	46.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	7848.0	2626.0	43.7	10.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	4736.1	1397.6	35.5	13.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1886.2	491.3	27.3	10.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	510.5	147.4	16.4	10.9	8.2	2.7	0.0	0.0	0.0	0.0	0.0
82.5°	133.8	54.6	13.6	10.9	5.5	2.7	0.0	0.0	0.0	0.0	0.0
85°	51.9	21.8	10.9	8.2	8.2	5.5	2.7	0.0	0.0	0.0	0.0
87.5°	16.4	8.2	8.2	5.5	5.5	2.7	2.7	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)