

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: P482086

Luminaire Tested: **IFLD-L-SA8A-740-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482086  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-740-U-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (128) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

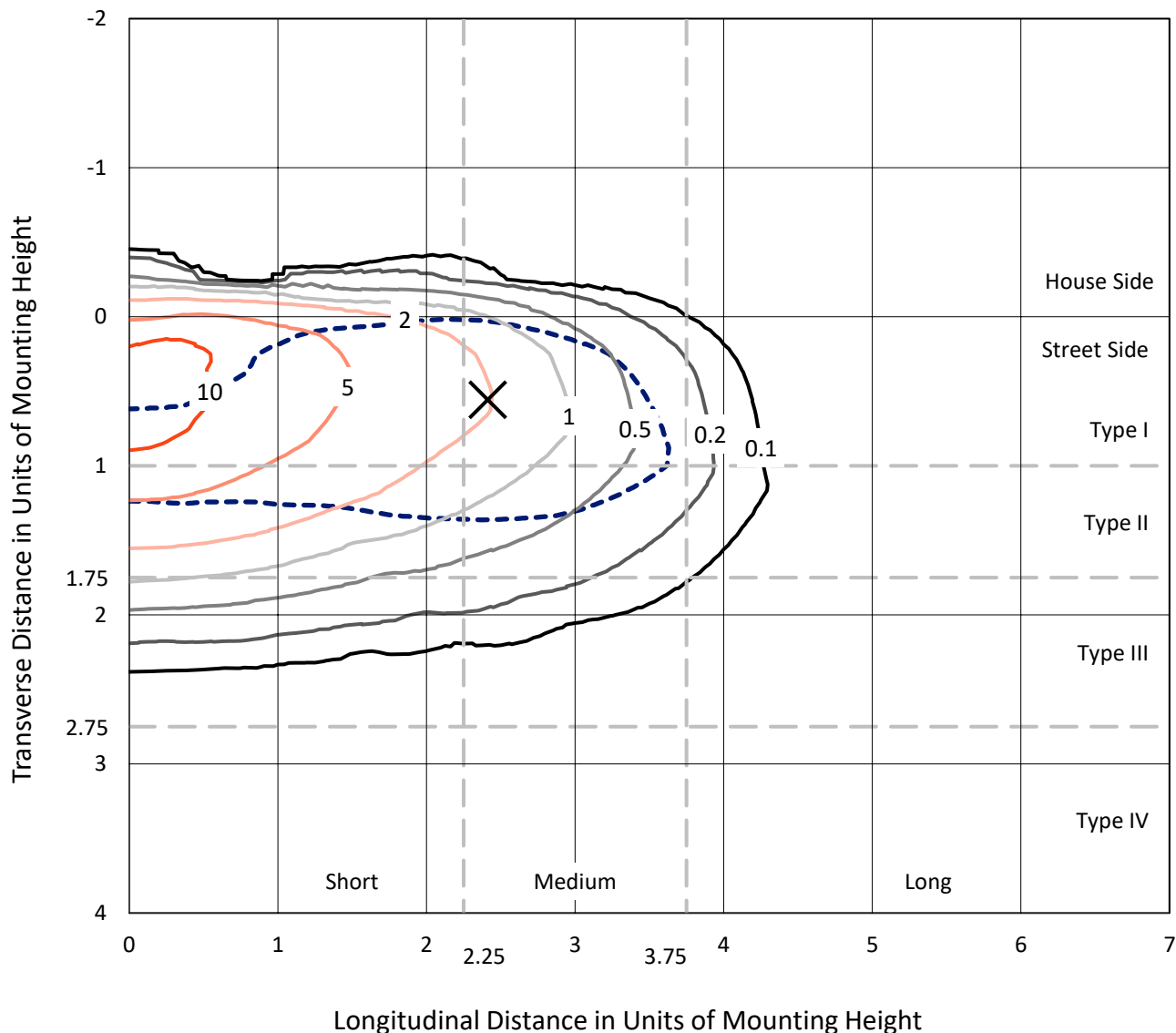
Lumens per Lamp: N/A  
Luminaire Lumens: 26932.5 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

Input Watts (W): 247.8  
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: P482086  
 CATALOG NUMBER: IFLD-L-SA8A-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

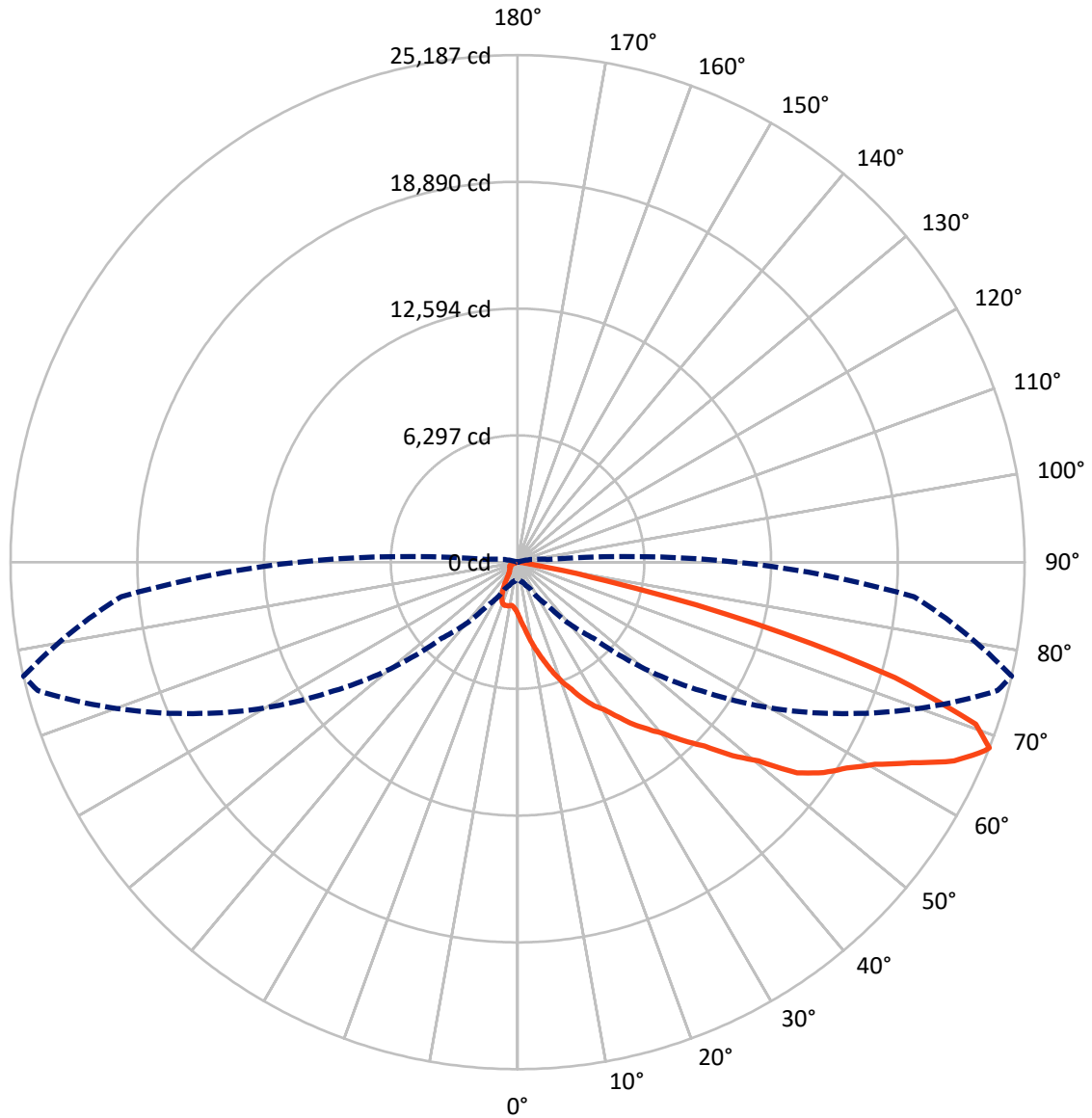
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P482086  
CATALOG NUMBER: IFLD-L-SA8A-740-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P482086  
 CATALOG NUMBER: IFLD-L-SA8A-740-U-T2R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1221.4	0.0	1221.4
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	25711.2	0.0	25711.2
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	26932.5	0.0	26932.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.3	1.1
10°-20°	1111.1	4.1
20°-30°	2153.4	8.0
30°-40°	3754.1	13.9
40°-50°	5498.2	20.4
50°-60°	6459.6	24.0
60°-70°	5454.5	20.3
70°-80°	2114.3	7.9
80°-90°	86.0	0.3
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°	26932.5	100.0
0°-180°	26932.5	100.0

**Coefficient of Utilization**

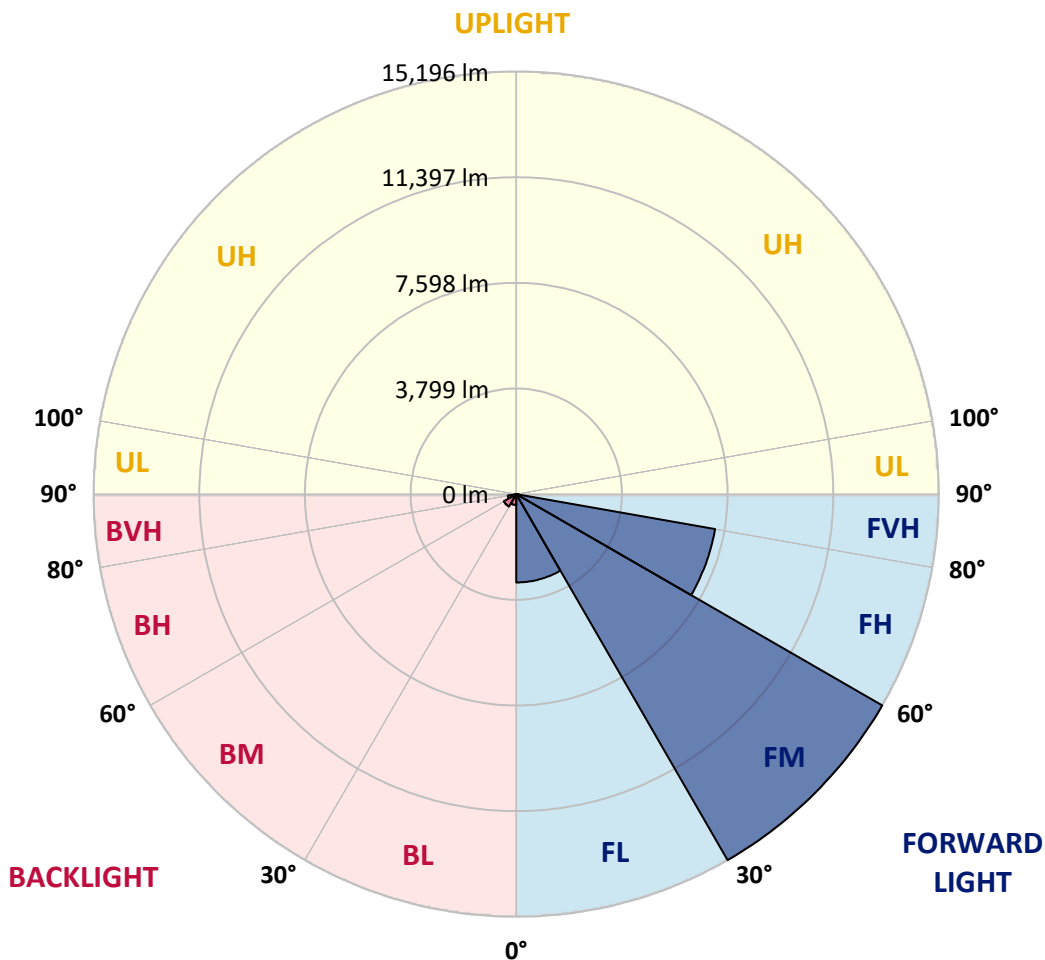


REPORT NUMBER: P482086  
 CATALOG NUMBER: IFLD-L-SA8A-740-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3175.6	11.8			
FM (30°-60°)	15195.8	56.4			
FH (60°-80°)	7260.5	27.0			G3/7500
FVH (80°-90°)	79.3	0.3			G1/100
BL (0°-30°)	390.2	1.4	B1/500		
BM (30°-60°)	516.1	1.9	B1/1000		
BH (60°-80°)	308.4	1.1	B1/500		G1/500
BVH (80°-90°)	6.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**  
 Type II Medium





REPORT NUMBER: P482086

CATALOG NUMBER: IFLD-L-SA8A-740-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8
2.5°	3918.3	3844.1	3766.2	3743.9	3599.2	3436.0	3283.8	3135.4	2886.8	2890.5	2719.8
5°	5050.1	4957.3	4894.2	4879.4	4653.0	4371.0	4141.0	3721.7	3309.8	3217.0	2905.4
7.5°	5981.4	5951.7	5859.0	5781.0	5614.1	5269.0	4998.1	4397.0	3769.9	3666.0	3131.7
10°	6545.4	6589.9	6630.7	6530.6	6400.7	6152.1	5781.0	5131.7	4293.1	4163.2	3424.8
12.5°	7146.5	7072.3	7098.3	7179.9	7009.2	6953.6	6493.5	5888.6	4905.3	4656.7	3795.9
15°	7302.4	7332.0	7395.1	7632.6	7747.6	7588.1	7191.0	6500.9	5539.8	5194.8	4141.0
17.5°	7406.2	7391.4	7469.3	7825.5	7999.9	8152.1	7903.5	7183.6	6092.7	5784.7	4571.4
20°	7536.1	7454.5	7625.2	7851.5	8256.0	8575.1	8563.9	7870.1	6671.6	6345.0	4998.1
22.5°	8018.5	7955.4	8092.7	8115.0	8397.0	8842.2	8949.8	8430.4	7265.2	6864.5	5458.2
25°	8909.0	9024.0	8860.8	8719.8	8805.1	9098.3	9176.2	8927.6	7862.6	7495.3	5918.3
27.5°	10211.4	10196.6	9873.8	9691.9	9487.9	9450.8	9506.4	9391.4	8333.9	8070.4	6296.8
30°	11610.3	11487.8	11191.0	10753.2	10304.2	10025.9	9948.0	9829.2	8886.8	8504.6	6671.6
32.5°	12723.5	12790.2	12460.0	11888.6	11142.8	10768.0	10393.2	10263.4	9495.3	9157.6	7102.0
35°	13747.6	13658.5	13395.1	12912.7	12244.8	11640.0	11053.7	10775.4	10226.3	9892.3	7576.9
37.5°	14504.5	14615.8	14114.9	13654.8	12990.6	12489.7	11914.6	11306.0	10979.5	10534.2	8155.8
40°	15220.7	15046.3	14708.6	14285.6	13669.6	13287.5	12909.0	11959.1	11781.0	11205.8	8808.8
42.5°	15094.5	15105.6	14920.1	14578.7	14133.5	13914.5	13784.7	12753.1	12508.2	12140.9	9447.0
45°	14578.7	14623.3	14686.3	14519.4	14556.5	14337.5	14686.3	13665.9	13424.8	13035.1	10181.7
47.5°	14011.0	14085.2	14070.4	14374.7	14719.7	14793.9	15665.9	14678.9	14575.0	14359.8	11198.4
50°	13068.5	13098.2	13383.9	13936.8	14408.0	15183.6	16400.6	15784.7	15944.2	15521.2	12408.1
52.5°	11458.2	11565.8	12300.5	13090.8	14040.7	15380.2	16897.8	17428.4	17832.9	17398.7	13569.5
55°	9421.1	9569.5	10293.1	11773.6	13165.0	15083.4	17350.5	18296.7	19116.7	18460.0	14274.5
57.5°	7580.6	7595.5	8244.8	9773.6	11922.0	14500.8	17580.6	18719.7	19821.7	19294.8	15135.3
60°	5777.3	5717.9	6300.5	7625.2	9829.2	13068.5	17005.4	18934.9	20701.1	20396.9	16170.6
62.5°	3718.0	3625.2	4259.7	5551.0	7677.1	10682.7	15855.2	18938.6	22074.0	21959.0	17903.4
65°	1840.4	1777.4	2322.8	3402.6	5313.5	8170.6	14215.1	18868.1	23751.2	23825.4	19591.7
67.5°	972.2	994.4	1168.8	1725.4	3064.9	5773.6	11743.9	18040.7	24608.3	25023.9	19999.8
68°	894.2	901.7	1039.0	1436.0	2660.5	5354.3	11157.6	17799.5	24675.1	25187.2	19773.5
70°	727.3	738.4	786.6	901.7	1439.7	3484.2	8608.5	15751.3	23669.6	24137.1	17899.7
72.5°	578.8	612.2	641.9	690.2	846.0	1829.3	5354.3	12274.5	19554.6	19606.5	13933.1
75°	441.6	467.5	526.9	567.7	660.5	1005.6	2549.1	7484.2	12831.1	12200.3	8207.7
77.5°	341.4	363.6	389.6	445.3	552.9	679.0	779.2	3176.2	5450.8	4486.0	2319.1
80°	204.1	218.9	304.3	348.8	482.4	460.1	308.0	883.1	1105.7	872.0	423.0
82.5°	118.7	129.9	174.4	267.2	337.7	248.6	181.8	274.6	270.9	237.5	141.0
85°	3.7	7.4	96.5	159.6	118.7	66.8	111.3	115.0	96.5	89.1	63.1
87.5°	0.0	3.7	26.0	22.3	26.0	14.8	22.3	29.7	37.1	33.4	26.0
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: P482086

CATALOG NUMBER: IFLD-L-SA8A-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8	2578.8
2.5°	2604.8	2523.2	2341.4	2204.1	2055.6	1966.6	1877.5	1821.9	1792.2	1773.6	1788.5
5°	2671.6	2500.9	2207.8	1948.0	1777.4	1662.3	1547.3	1487.9	1432.3	1402.6	1421.1
7.5°	2820.0	2564.0	2077.9	1795.9	1595.5	1417.4	1272.7	1157.7	1090.9	1031.5	1042.7
10°	3001.8	2601.1	2081.6	1706.9	1417.4	1135.4	931.3	786.6	705.0	653.1	649.3
12.5°	3187.4	2745.8	2096.5	1617.8	1198.5	853.4	612.2	504.6	456.4	430.4	430.4
15°	3469.4	2875.7	2059.4	1454.5	909.1	556.6	419.3	382.2	363.6	341.4	345.1
17.5°	3714.3	3083.5	2040.8	1209.6	623.4	400.7	348.8	308.0	289.4	267.2	267.2
20°	4044.5	3213.3	1940.6	935.1	430.4	333.9	282.0	244.9	215.2	196.7	200.4
22.5°	4345.0	3313.5	1762.5	638.2	330.2	263.4	207.8	170.7	144.7	122.4	126.2
25°	4671.6	3413.7	1502.8	393.3	233.8	163.3	111.3	81.6	55.7	40.8	40.8
27.5°	4905.3	3443.4	1165.1	233.8	141.0	74.2	26.0	3.7	0.0	0.0	0.0
30°	5142.8	3454.5	805.2	126.2	55.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5413.7	3450.8	504.6	66.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0
35°	5621.5	3387.7	241.2	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5936.9	3295.0	74.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6296.8	3128.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6619.6	2957.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6987.0	2745.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7632.6	2656.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8474.9	2586.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8994.4	2378.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9265.2	2163.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9666.0	2059.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10259.7	2066.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	11187.3	2170.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	11699.3	2066.8	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	11265.2	1654.9	70.5	18.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0
68°	10890.4	1521.3	70.5	18.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	9001.8	990.7	66.8	18.6	7.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6556.5	549.2	55.7	14.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	3814.4	274.6	40.8	14.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	994.4	137.3	33.4	18.6	11.1	3.7	0.0	0.0	0.0	0.0	0.0
80°	196.7	89.1	29.7	22.3	14.8	7.4	0.0	0.0	0.0	0.0	0.0
82.5°	92.8	63.1	29.7	22.3	18.6	11.1	3.7	0.0	0.0	0.0	0.0
85°	48.2	29.7	29.7	22.3	22.3	14.8	7.4	0.0	0.0	0.0	0.0
87.5°	22.3	11.1	11.1	11.1	11.1	7.4	3.7	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)