

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: P482307

Luminaire Tested: **IFLD-S-SA6C-722-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482307  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-722-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

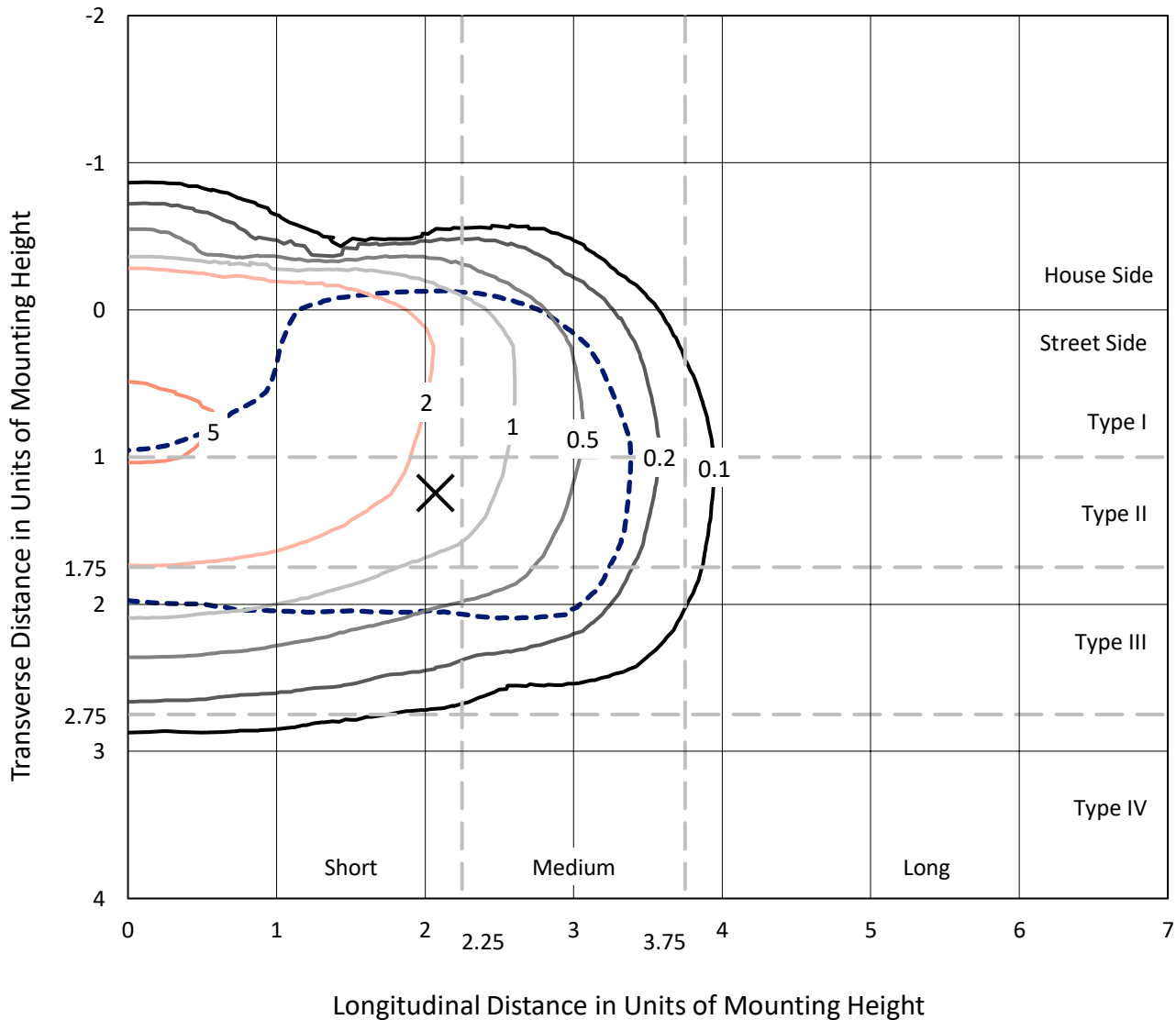
Lumens per Lamp: N/A  
Luminaire Lumens: 22711.2 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P482307  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

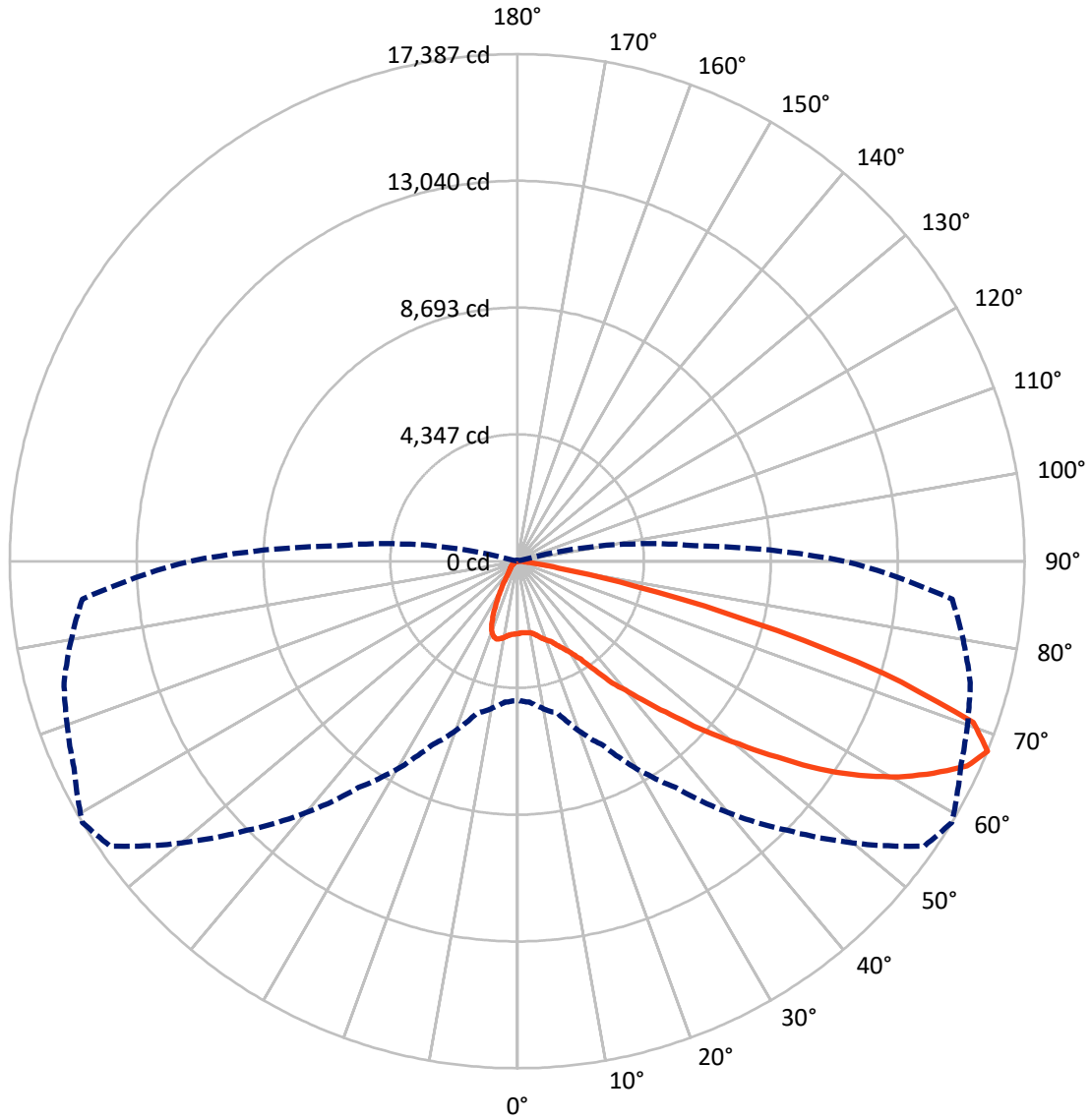
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P482307  
CATALOG NUMBER: IFLD-S-SA6C-722-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P482307  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2667.8	0.0	2667.8
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	20043.4	0.0	20043.4
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	22711.2	0.0	22711.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.6	1.0
10°-20°	683.5	3.0
20°-30°	1194.6	5.3
30°-40°	2103.2	9.3
40°-50°	3717.8	16.4
50°-60°	5886.6	25.9
60°-70°	6529.9	28.8
70°-80°	2265.7	10.0
80°-90°	93.3	0.4
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°	22711.2	100.0
0°-180°	22711.2	100.0

**Coefficient of Utilization**

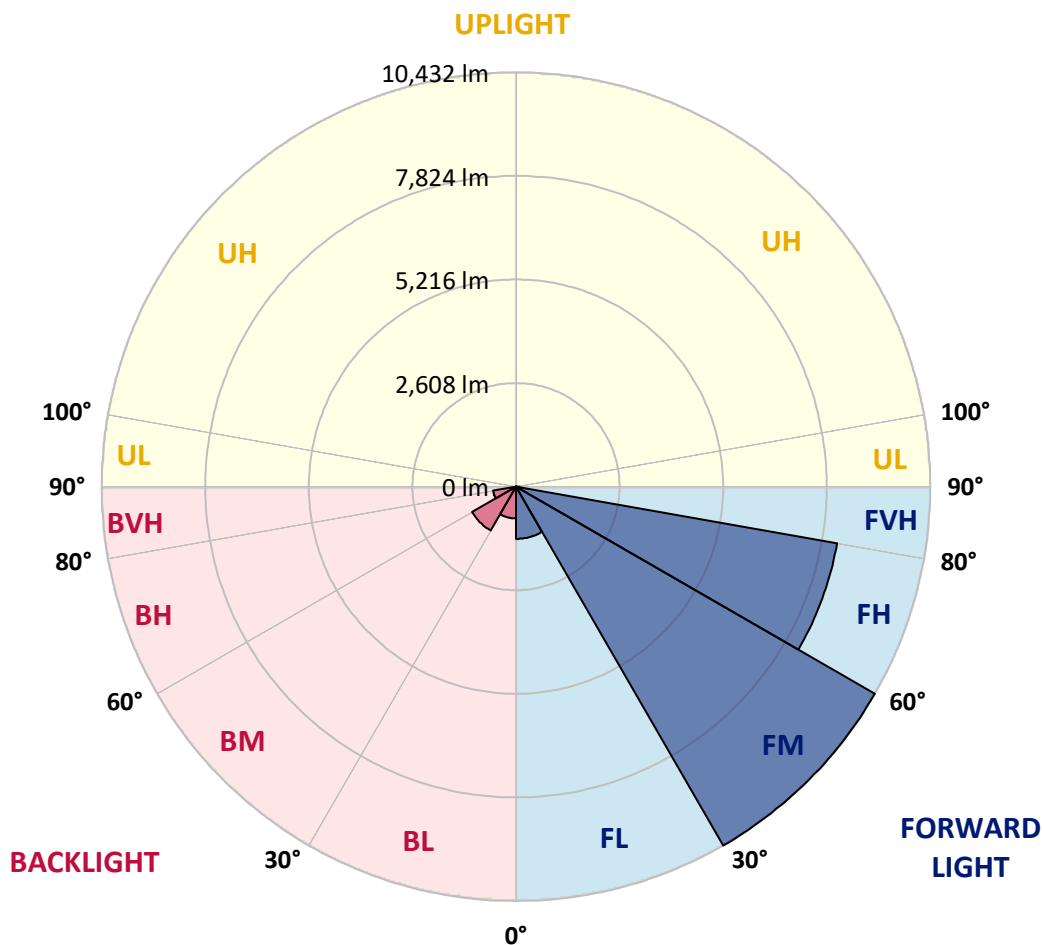


REPORT NUMBER: P482307  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1315.1	5.8			
FM (30°-60°)	10432.1	45.9			
FH (60°-80°)	8208.9	36.1			G4/12000
FVH (80°-90°)	87.3	0.4			G1/100
BL (0°-30°)	799.6	3.5	B2/1000		
BM (30°-60°)	1275.5	5.6	B2/2500		
BH (60°-80°)	586.7	2.6	B2/1000		G2/1000
BVH (80°-90°)	6.0	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 III Short





REPORT NUMBER: P482307

CATALOG NUMBER: IFLD-S-SA6C-722-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0
2.5°	2418.9	2384.3	2415.7	2418.9	2422.0	2450.2	2481.6	2459.6	2456.5	2481.6	2503.6
5°	2321.6	2305.9	2343.6	2362.4	2393.8	2418.9	2469.0	2472.2	2475.3	2503.6	2541.2
7.5°	2280.8	2243.2	2287.1	2309.0	2331.0	2390.6	2450.2	2481.6	2525.5	2560.0	2597.7
10°	2199.2	2227.5	2240.0	2277.7	2340.4	2409.4	2481.6	2497.3	2594.5	2622.8	2713.8
12.5°	2227.5	2246.3	2271.4	2280.8	2349.8	2453.4	2550.6	2556.9	2657.3	2779.6	2826.7
15°	2299.6	2287.1	2296.5	2309.0	2390.6	2475.3	2632.2	2660.4	2754.5	2892.6	3008.7
17.5°	2453.4	2431.4	2415.7	2412.6	2431.4	2509.8	2694.9	2779.6	2867.5	3055.7	3115.3
20°	2839.2	2820.4	2757.7	2594.5	2538.1	2569.4	2770.2	2889.4	3011.8	3222.0	3319.3
22.5°	3425.9	3444.7	3297.3	3068.3	2833.0	2710.6	2889.4	2993.0	3187.5	3454.2	3542.0
25°	4119.3	4081.6	3902.8	3636.1	3265.9	2977.3	3080.8	3196.9	3435.3	3654.9	3689.5
27.5°	4662.0	4618.1	4480.1	4156.9	3836.9	3369.5	3331.8	3404.0	3686.3	3884.0	3846.3
30°	5198.5	5214.2	5120.1	4737.3	4342.0	3849.5	3611.0	3642.4	3858.9	4113.0	4028.3
32.5°	5882.4	5844.8	5791.4	5455.7	4988.3	4461.2	4053.4	4003.2	4097.3	4433.0	4332.6
35°	6519.3	6497.3	6425.2	6086.3	5678.5	5104.4	4705.9	4593.0	4571.0	4944.4	4768.7
37.5°	7074.6	7036.9	6927.1	6710.7	6315.4	5832.2	5396.1	5295.7	5292.6	5549.9	5211.0
40°	7542.0	7570.3	7557.7	7319.3	7102.8	6716.9	6048.7	5888.7	5876.1	6014.2	5816.5
42.5°	8147.5	8213.4	8178.9	8131.9	7871.5	7720.9	6964.8	6720.1	6610.3	6892.6	6713.8
45°	9063.6	9088.7	9110.7	8994.6	8734.2	8765.6	7912.2	7620.5	7592.2	8012.6	7611.1
47.5°	9920.1	9854.2	10008.0	10014.2	10001.7	9857.4	8935.0	8718.5	8756.2	9076.2	8662.1
50°	10133.5	10302.9	10726.4	10804.8	11008.8	11140.5	10070.7	9854.2	9917.0	10280.9	9807.2
52.5°	10299.7	10557.0	10980.5	11554.6	12103.7	12417.4	11341.3	11165.6	11162.5	11385.2	10732.7
55°	10591.5	10748.4	11115.4	11906.0	12950.7	13465.3	12872.3	12590.0	12335.8	12492.7	11692.7
57.5°	10563.3	10622.9	11193.9	12169.6	13622.1	14557.0	14130.4	13860.6	13534.3	13443.3	12797.0
60°	10067.6	10208.7	10848.8	11990.7	14036.2	15407.2	15303.7	15027.6	14466.1	14252.7	13644.1
62.5°	9085.6	9273.8	9775.8	11363.3	13433.9	15451.2	16113.1	16009.6	15382.1	14999.4	14748.4
65°	7363.2	7451.1	8028.3	9769.5	12072.3	14776.6	17070.0	16941.4	16364.1	15793.1	15316.3
67.5°	4768.7	4853.4	5408.7	6974.2	9480.9	13035.4	17032.4	17386.9	16762.5	16075.5	14961.7
70°	2252.6	2230.6	2748.3	3874.6	6073.8	9954.6	15881.0	16580.6	16050.4	14572.7	12426.8
72.5°	687.1	746.7	1142.0	1716.1	3118.5	6208.7	12448.8	13104.5	12938.2	11642.5	8295.0
75°	304.3	329.4	448.6	702.8	1264.3	2547.5	7689.5	8273.0	8200.9	6867.5	3786.7
77.5°	194.5	213.3	282.4	401.6	574.1	809.4	3542.0	4109.9	3984.4	2412.6	991.4
80°	138.0	147.5	200.8	276.1	360.8	332.6	1220.4	1449.4	1389.8	655.7	266.7
82.5°	75.3	81.6	147.5	203.9	241.6	169.4	342.0	426.7	445.5	291.8	128.6
85°	28.2	34.5	91.0	144.3	125.5	78.4	100.4	122.4	160.0	160.0	59.6
87.5°	0.0	3.1	37.6	62.7	31.4	22.0	28.2	34.5	43.9	75.3	22.0
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: P482307  
 CATALOG NUMBER: IFLD-S-SA6C-722-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0	2491.0
2.5°	2519.2	2497.3	2506.7	2522.4	2487.9	2506.7	2469.0	2497.3	2506.7	2469.0	2487.9
5°	2550.6	2572.6	2560.0	2534.9	2513.0	2519.2	2509.8	2487.9	2506.7	2513.0	2500.4
7.5°	2641.6	2616.5	2622.8	2594.5	2550.6	2547.5	2487.9	2472.2	2478.5	2484.7	2462.8
10°	2726.3	2742.0	2710.6	2688.7	2616.5	2569.4	2487.9	2400.0	2390.6	2353.0	2384.3
12.5°	2876.9	2839.2	2826.7	2754.5	2682.4	2525.5	2349.8	2214.9	2102.0	2061.2	2020.4
15°	3002.4	2996.1	2974.2	2864.3	2698.1	2412.6	2080.0	1766.3	1549.8	1414.9	1396.1
17.5°	3174.9	3146.7	3105.9	2933.4	2582.0	2117.7	1549.8	1154.5	938.1	853.3	822.0
20°	3306.7	3284.7	3228.3	2917.7	2371.8	1578.1	960.0	734.1	680.8	665.1	668.2
22.5°	3498.1	3429.1	3322.4	2839.2	1989.0	1051.0	690.2	655.7	646.3	633.7	636.9
25°	3664.4	3601.6	3378.9	2704.3	1418.1	696.5	640.0	621.2	605.5	589.8	586.7
27.5°	3811.8	3733.4	3438.5	2428.3	887.9	599.2	592.9	571.0	539.6	514.5	505.1
30°	3956.1	3865.1	3454.2	1910.6	599.2	542.8	527.1	492.6	451.8	417.3	411.0
32.5°	4197.7	4087.9	3432.2	1364.7	517.7	483.1	448.6	407.8	348.2	320.0	313.7
35°	4574.2	4407.9	3404.0	803.1	464.3	426.7	373.3	320.0	276.1	247.8	241.6
37.5°	5007.1	4718.5	3322.4	536.5	426.7	376.5	307.5	254.1	216.5	194.5	188.2
40°	5650.3	5173.4	3008.7	439.2	379.6	320.0	247.8	200.8	172.6	156.9	150.6
42.5°	6359.3	5694.2	2525.5	395.3	335.7	272.9	197.6	163.1	141.2	125.5	125.5
45°	7209.5	6236.9	1948.3	360.8	298.0	225.9	163.1	131.8	112.9	100.4	94.1
47.5°	8157.0	6729.5	1314.5	326.3	251.0	185.1	134.9	100.4	81.6	72.2	72.2
50°	9004.0	7165.6	837.7	285.5	219.6	153.7	109.8	81.6	65.9	53.3	50.2
52.5°	9772.7	7498.1	577.3	251.0	188.2	125.5	91.0	65.9	50.2	40.8	40.8
55°	10560.1	7667.5	426.7	216.5	163.1	106.7	75.3	59.6	43.9	34.5	31.4
57.5°	11206.4	7739.7	326.3	188.2	138.0	84.7	65.9	50.2	37.6	28.2	25.1
60°	11758.6	7705.2	254.1	156.9	109.8	72.2	56.5	40.8	31.4	22.0	18.8
62.5°	12081.7	7498.1	200.8	134.9	87.8	62.7	47.1	34.5	22.0	15.7	12.5
65°	12088.0	7058.9	156.9	100.4	65.9	53.3	40.8	28.2	15.7	6.3	3.1
67.5°	11222.1	6108.3	125.5	78.4	53.3	40.8	31.4	22.0	6.3	0.0	0.0
70°	8778.1	4621.2	103.5	62.7	43.9	34.5	22.0	12.5	3.1	0.0	0.0
72.5°	5593.8	2767.1	84.7	50.2	37.6	25.1	15.7	9.4	0.0	0.0	0.0
75°	2340.4	853.3	65.9	43.9	28.2	18.8	12.5	3.1	0.0	0.0	0.0
77.5°	602.4	269.8	53.3	37.6	28.2	15.7	9.4	3.1	0.0	0.0	0.0
80°	178.8	100.4	43.9	31.4	22.0	12.5	6.3	3.1	0.0	0.0	0.0
82.5°	81.6	59.6	37.6	28.2	18.8	12.5	6.3	0.0	0.0	0.0	0.0
85°	31.4	18.8	18.8	15.7	15.7	9.4	3.1	0.0	0.0	0.0	0.0
87.5°	12.5	6.3	6.3	6.3	3.1	3.1	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)