

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: P482697

Luminaire Tested: **IFLD-S-SA6C-722-U-T3R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P482697
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-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

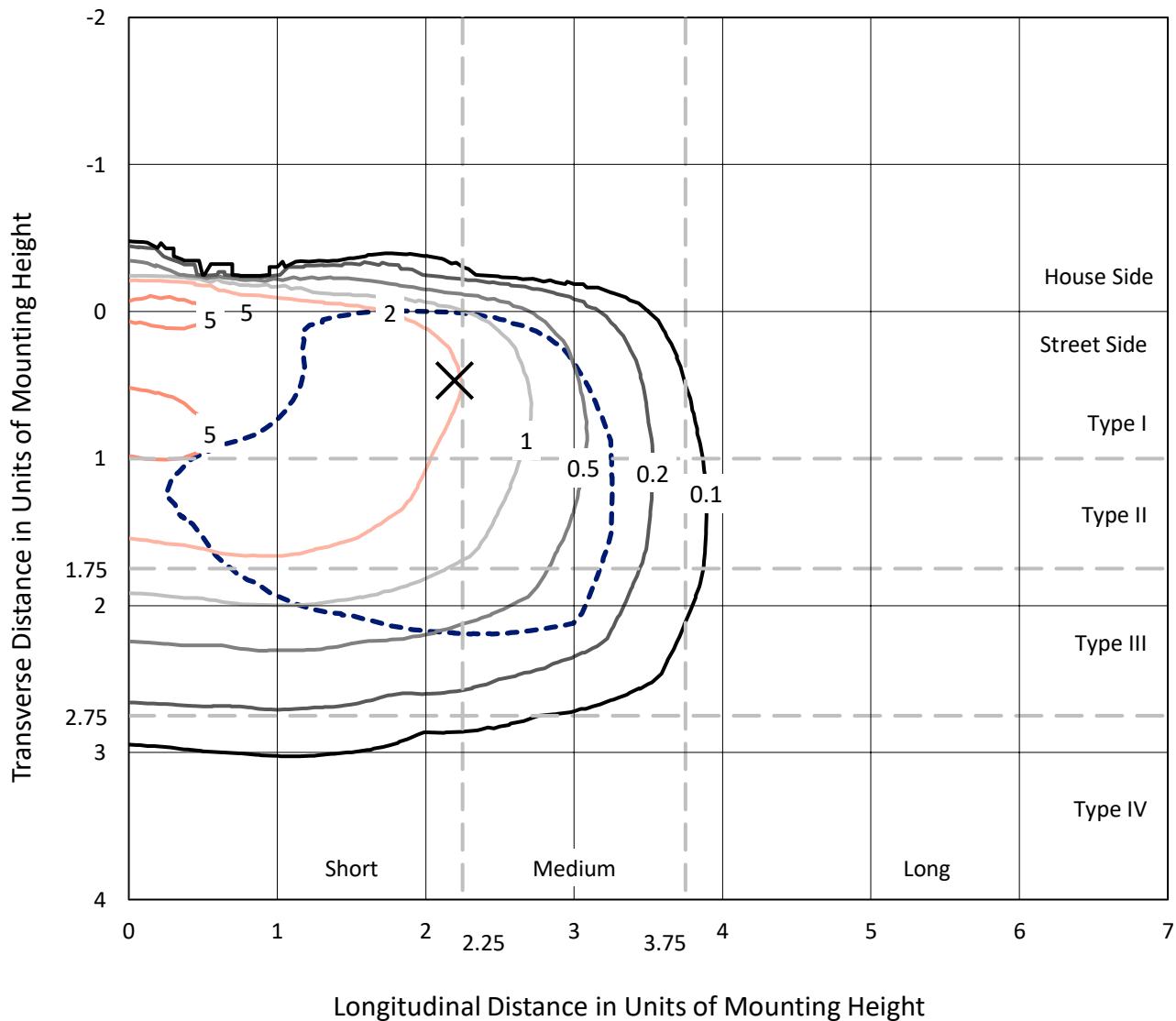
Lumens per Lamp: N/A
Luminaire Lumens: 21939.7 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5
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

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Iso-Footcandle Lines of Horizontal Illumination

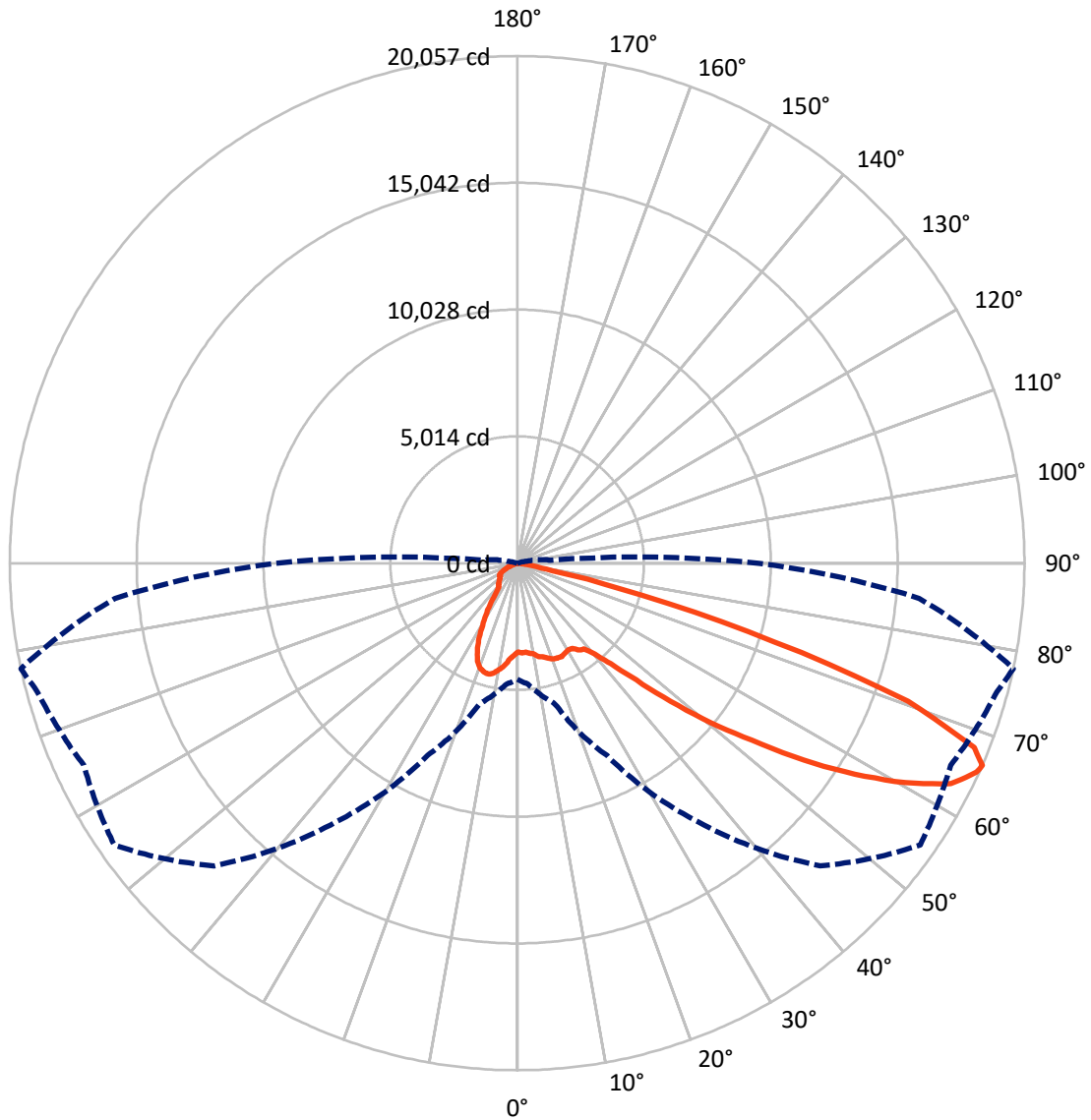
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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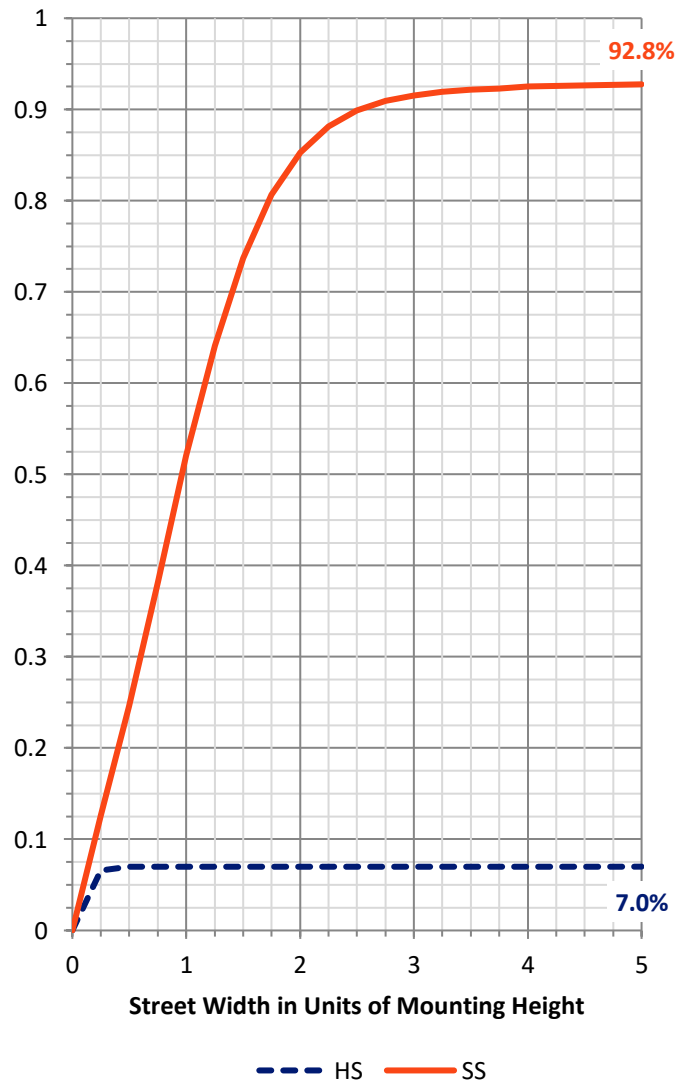
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1542.5	0.0	1542.5
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	20397.3	0.0	20397.3
	% Fixture	93.0	0.0	93.0
Total	Lumens	21939.7	0.0	21939.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.5	1.5
10°-20°	725.7	3.3
20°-30°	1037.3	4.7
30°-40°	1775.5	8.1
40°-50°	3204.6	14.6
50°-60°	5480.3	25.0
60°-70°	6745.2	30.7
70°-80°	2550.1	11.6
80°-90°	99.6	0.5
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°	21939.7	100.0
0°-180°	21939.7	100.0

Coefficient of Utilization

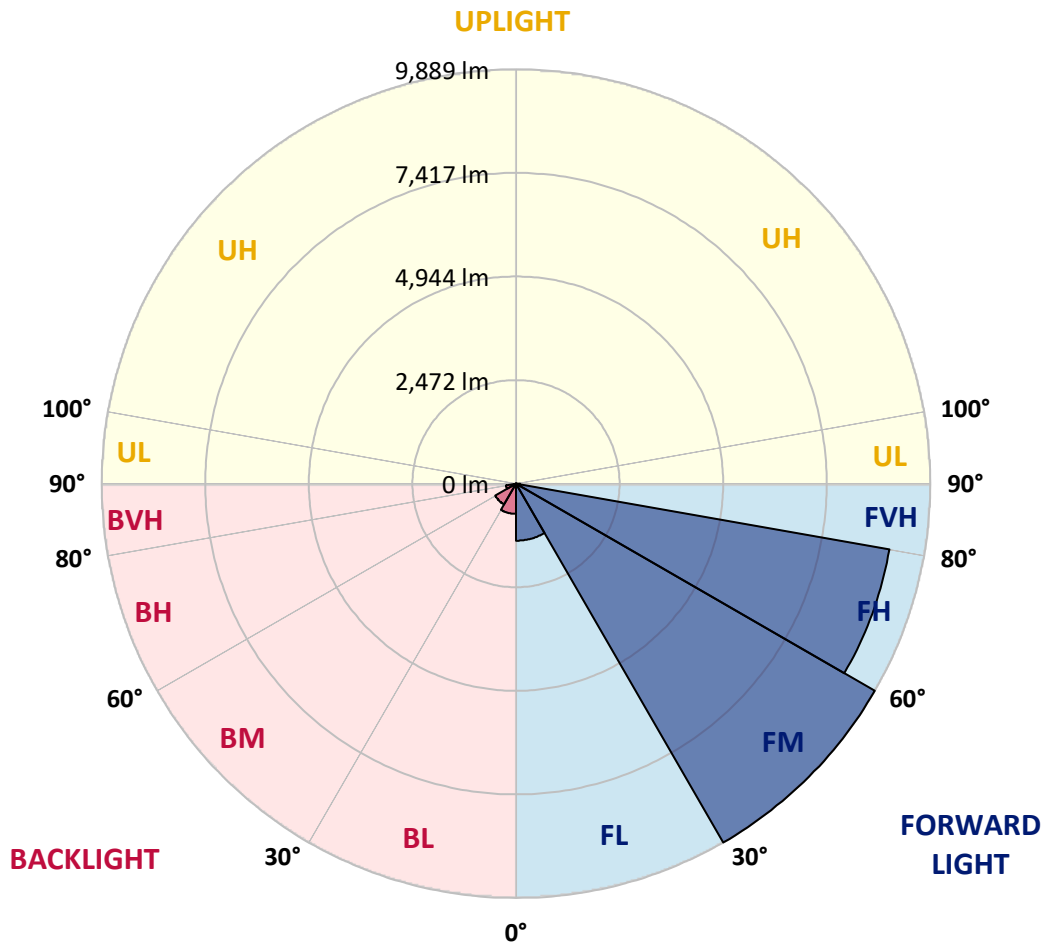


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1362.0	6.2			
FM (30°-60°)	9888.7	45.1			
FH (60°-80°)	9050.9	41.3			G4/12000
FVH (80°-90°)	95.6	0.4			G1/100
BL (0°-30°)	722.4	3.3	B2/1000		
BM (30°-60°)	571.7	2.6	B1/1000		
BH (60°-80°)	244.4	1.1	B1/500		G1/500
BVH (80°-90°)	4.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0
2.5°	3232.2	3202.4	3232.2	3275.3	3298.6	3318.4	3388.1	3447.7	3510.7	3553.8	3540.6
5°	2996.9	3053.2	3059.9	3073.1	3109.6	3228.9	3268.7	3371.5	3527.3	3540.6	3600.2
7.5°	2811.2	2794.7	2837.7	2923.9	3016.8	3086.4	3202.4	3381.4	3543.9	3600.2	3716.3
10°	2542.7	2575.9	2622.3	2708.5	2821.2	2993.6	3199.1	3398.0	3630.1	3650.0	3865.4
12.5°	2396.8	2363.7	2436.6	2526.1	2718.4	2877.5	3129.5	3368.2	3683.1	3792.5	4041.1
15°	2277.5	2294.1	2363.7	2423.4	2582.5	2784.7	3079.8	3441.1	3772.6	3848.9	4226.8
17.5°	2227.8	2217.8	2270.9	2330.5	2526.1	2754.9	3059.9	3444.4	3852.2	3951.6	4352.8
20°	2251.0	2270.9	2254.3	2310.6	2433.3	2665.4	3089.7	3507.4	3911.8	4047.8	4488.7
22.5°	2615.6	2589.1	2456.5	2350.4	2357.1	2628.9	3066.5	3547.2	3964.9	4074.3	4581.5
25°	3567.1	3424.5	3096.3	2688.6	2420.0	2529.4	3040.0	3533.9	3954.9	4090.9	4637.9
27.5°	4525.1	4402.5	4080.9	3447.7	2675.3	2489.7	2947.1	3543.9	3905.2	4031.2	4545.0
30°	5536.3	5602.6	5125.2	4372.7	3345.0	2708.5	2887.5	3490.8	3872.1	3978.2	4564.9
32.5°	6573.9	6547.4	6259.0	5443.4	4303.0	3192.5	2983.6	3543.9	3915.2	4017.9	4681.0
35°	7386.1	7293.3	7001.5	6265.6	5095.3	3921.8	3315.1	3795.8	4104.1	4226.8	4846.7
37.5°	7787.2	7827.0	7657.9	7018.1	5963.9	4598.1	3729.5	3795.8	4163.8	4306.3	5115.2
40°	8098.9	8218.2	8155.2	7949.7	6825.8	5360.6	4187.0	4031.2	4465.5	4734.0	5619.1
42.5°	8473.5	8417.1	8788.4	8599.4	7953.0	6321.9	4989.3	4591.4	5178.2	5436.8	6375.0
45°	8672.4	8887.9	9169.6	9411.6	8997.3	7522.0	6036.8	5582.7	6268.9	6597.1	7498.8
47.5°	9182.9	9269.1	9726.6	10031.6	9845.9	8894.5	7628.1	7031.4	7641.4	8158.5	8785.1
50°	9481.3	9365.2	10005.1	10469.2	10575.3	10031.6	9053.6	8589.5	9272.4	9932.1	9988.5
52.5°	9219.4	9550.9	10190.7	11022.8	11317.8	11046.0	10727.7	10525.5	11006.2	11616.2	11344.4
55°	8301.1	8526.5	10084.6	11629.5	12580.9	12454.9	12750.0	12617.4	13101.4	13747.8	12929.0
57.5°	7561.8	7843.6	9212.7	11944.4	13757.8	14129.1	14500.4	14417.5	15000.9	15746.8	14271.6
60°	7101.0	7263.4	8582.9	11864.8	14454.0	15859.6	16698.3	16114.8	17066.3	17636.5	15322.5
62.5°	6302.1	6404.8	7664.6	10810.6	14662.8	17082.8	18505.0	17712.7	18538.2	19234.4	16078.4
65°	5052.3	5330.7	6371.7	9232.6	13283.7	17308.3	19632.2	18700.6	19499.6	19957.1	16307.1
66°	4598.1	4800.3	5755.1	8397.2	12498.0	16933.7	19443.2	18906.2	19638.8	20056.5	15955.7
67.5°	3815.7	3991.4	4750.6	7207.1	10890.2	16108.2	19575.8	18766.9	19744.9	19489.6	15485.0
70°	2526.1	2638.8	3248.8	4873.2	7585.0	13177.6	18156.9	17679.6	17358.0	16399.9	12106.8
72.5°	1180.2	1342.6	2028.9	2953.8	4448.9	9219.4	14805.4	14165.5	12173.1	10641.6	7638.1
75°	533.7	606.7	1113.9	1694.0	1995.7	4777.1	9550.9	8626.0	6060.1	5032.4	3345.0
77.5°	288.4	328.2	543.7	805.6	726.0	1674.1	4727.4	3931.7	1909.5	1399.0	971.3
80°	222.1	261.9	454.2	460.8	268.5	434.3	1757.0	1216.7	477.4	361.3	232.1
82.5°	116.0	165.8	358.0	298.4	135.9	175.7	543.7	338.1	149.2	119.3	99.5
85°	46.4	72.9	202.2	198.9	79.6	59.7	152.5	102.8	59.7	49.7	46.4
87.5°	3.3	3.3	109.4	76.2	49.7	16.6	23.2	23.2	29.8	26.5	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0	3514.0
2.5°	3600.2	3640.0	3646.6	3756.0	3779.2	3756.0	3815.7	3805.8	3832.3	3812.4	3775.9
5°	3683.1	3739.5	3848.9	3931.7	3931.7	3865.4	3812.4	3742.8	3640.0	3613.5	3593.6
7.5°	3825.7	4004.7	4104.1	4051.1	3945.0	3696.4	3351.6	3099.6	2887.5	2807.9	2771.4
10°	4077.6	4177.1	4293.1	4077.6	3636.7	3109.6	2529.4	2148.2	1849.8	1783.5	1733.8
12.5°	4240.0	4399.2	4465.5	3931.7	3066.5	2280.8	1650.9	1220.0	1011.1	852.0	825.5
15°	4452.2	4634.5	4498.6	3537.2	2416.7	1495.1	855.3	533.7	434.3	407.8	407.8
17.5°	4598.1	4797.0	4362.7	3046.6	1713.9	795.6	424.3	368.0	361.3	364.7	358.0
20°	4853.3	4972.7	4157.2	2476.4	1024.4	407.8	341.5	328.2	321.6	331.5	324.9
22.5°	4949.5	5058.9	3822.3	1793.5	460.8	271.8	255.3	245.3	251.9	248.6	245.3
25°	4942.9	4999.2	3272.0	1027.7	135.9	106.1	96.1	96.1	89.5	92.8	89.5
27.5°	4992.6	4853.3	2655.4	305.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	5019.1	4618.0	1889.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5032.4	4495.3	1216.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5135.1	4250.0	520.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5204.7	3935.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5493.2	3835.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5867.8	3650.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6388.2	3374.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7077.8	3212.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	7591.6	2957.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8244.7	2804.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9020.5	2811.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9726.6	2764.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10087.9	2363.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	10011.7	1912.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	9746.5	1501.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	9564.1	1329.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	9010.5	1064.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7170.6	729.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4561.6	447.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2101.8	205.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	659.7	126.0	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	172.4	79.6	26.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	89.5	56.4	23.2	9.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	56.4	23.2	9.9	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	49.7	13.3	6.6	6.6	3.3	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)