

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: P481759

Luminaire Tested: **IFLD-S-SA6A-760-U-T2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481759
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-760-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (96) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

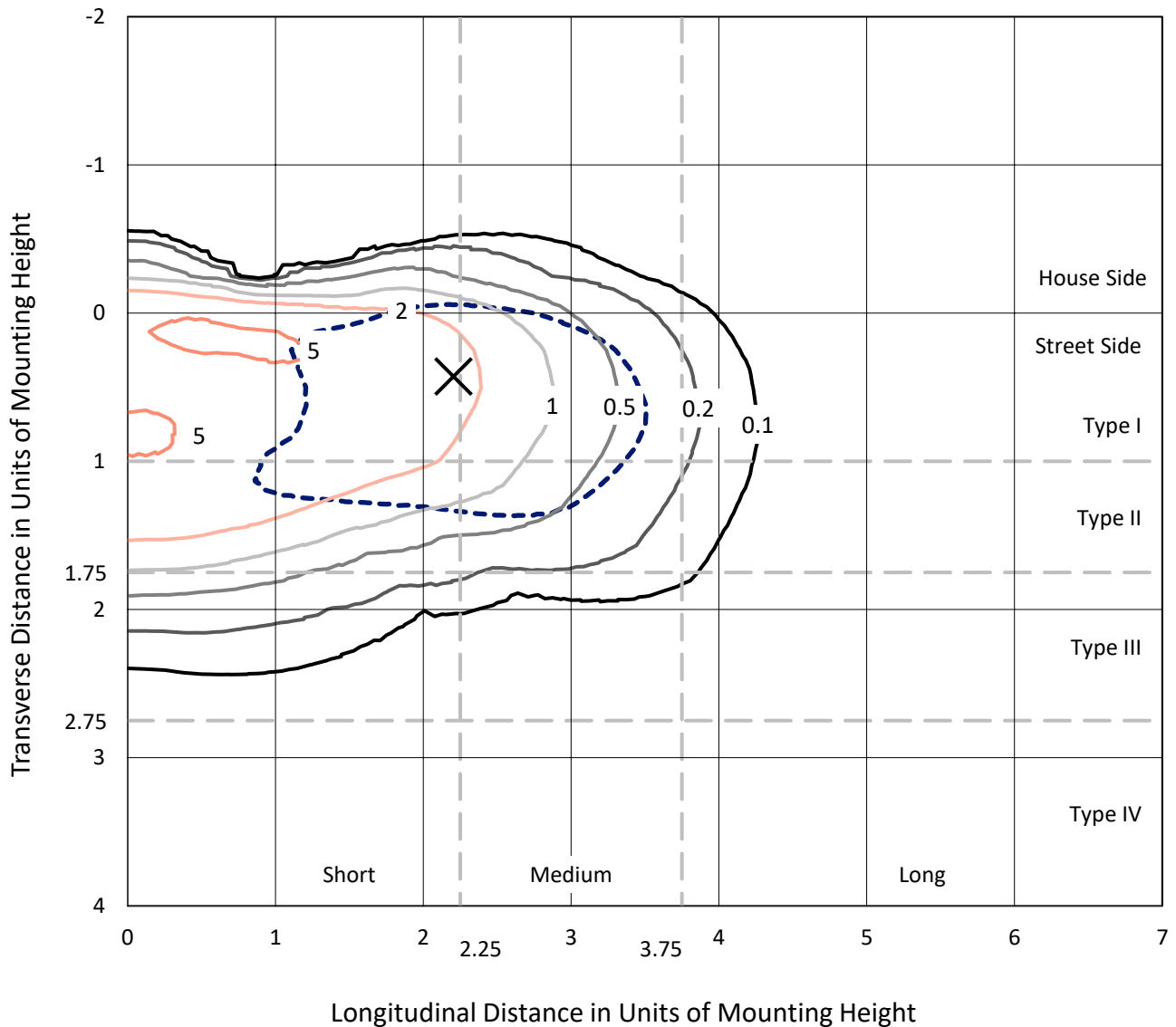
Lumens per Lamp: N/A
Luminaire Lumens: 19881.6 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 189.6
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

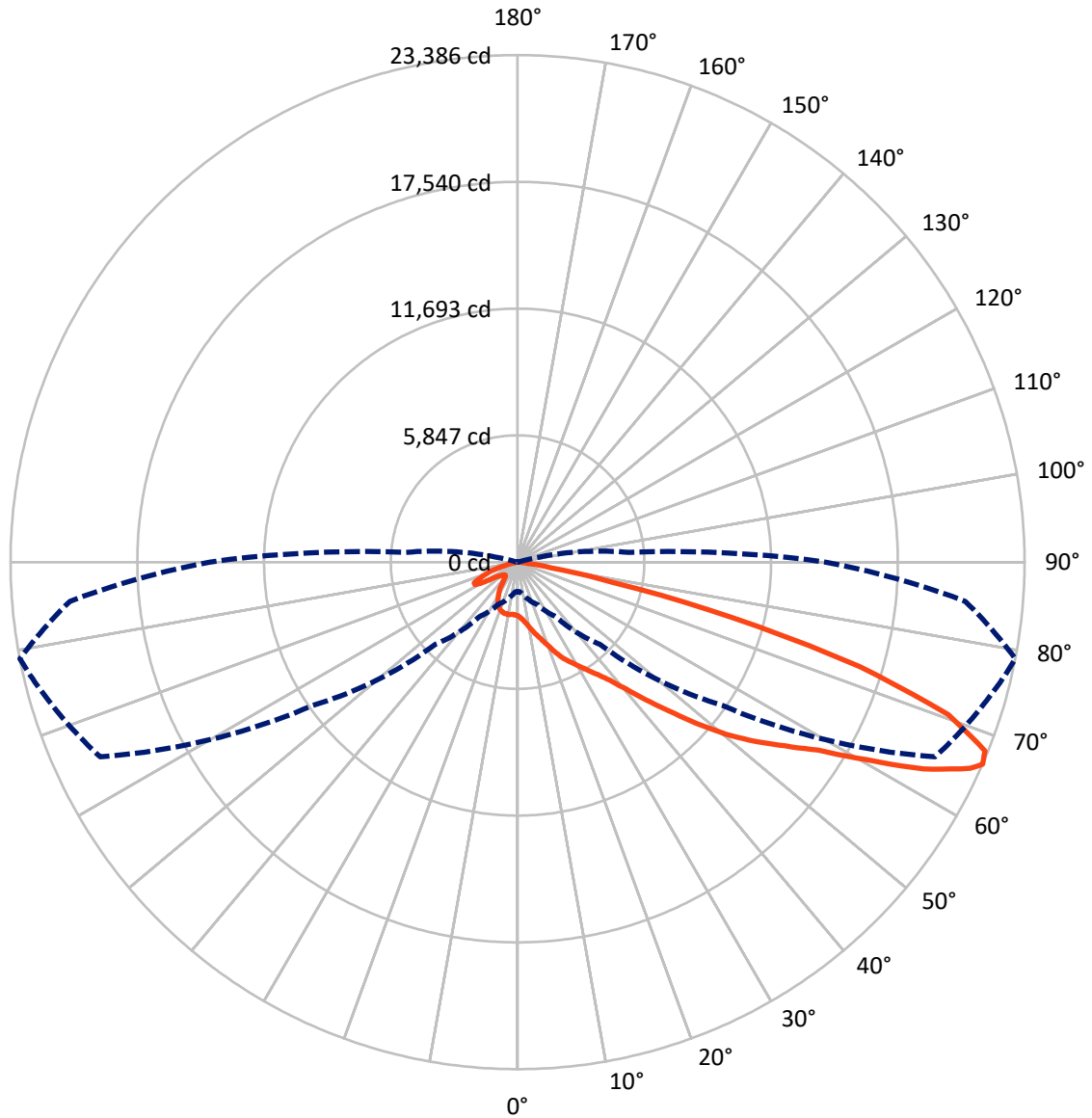
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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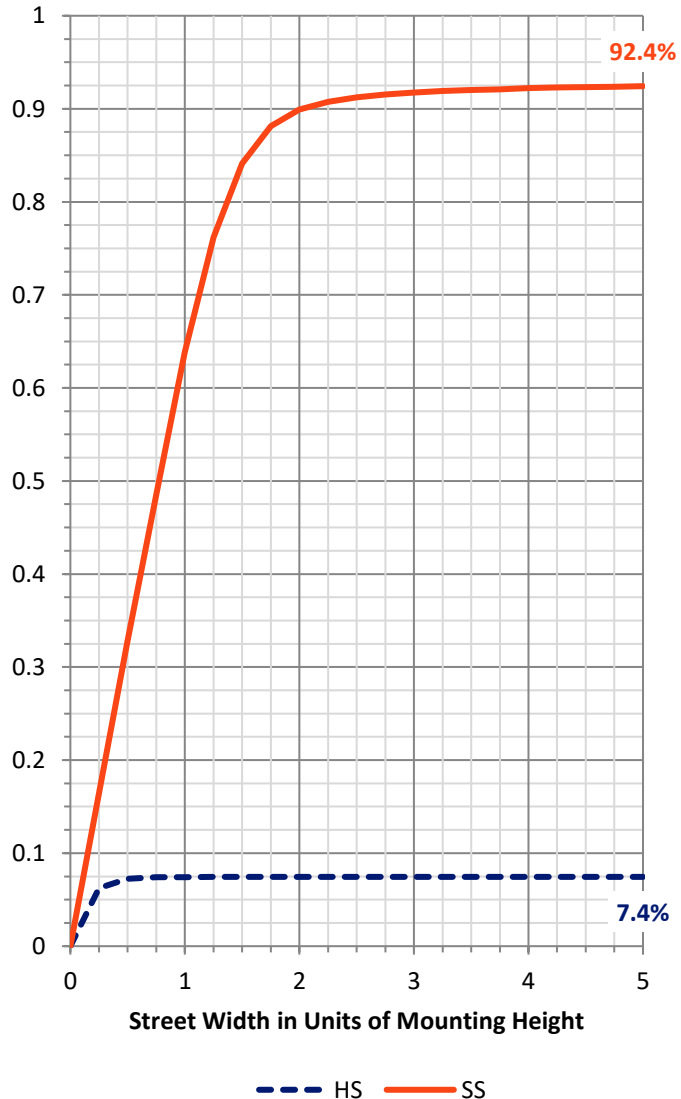
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1492.8	0.0	1492.8
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	18388.8	0.0	18388.8
	% Fixture	92.5	0.0	92.5
Total	Lumens	19881.6	0.0	19881.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	1.2
10°-20°	643.8	3.2
20°-30°	1069.5	5.4
30°-40°	1837.0	9.2
40°-50°	3328.0	16.7
50°-60°	5260.6	26.5
60°-70°	5353.0	26.9
70°-80°	2041.4	10.3
80°-90°	114.4	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°	19881.6	100.0
0°-180°	19881.6	100.0

Coefficient of Utilization



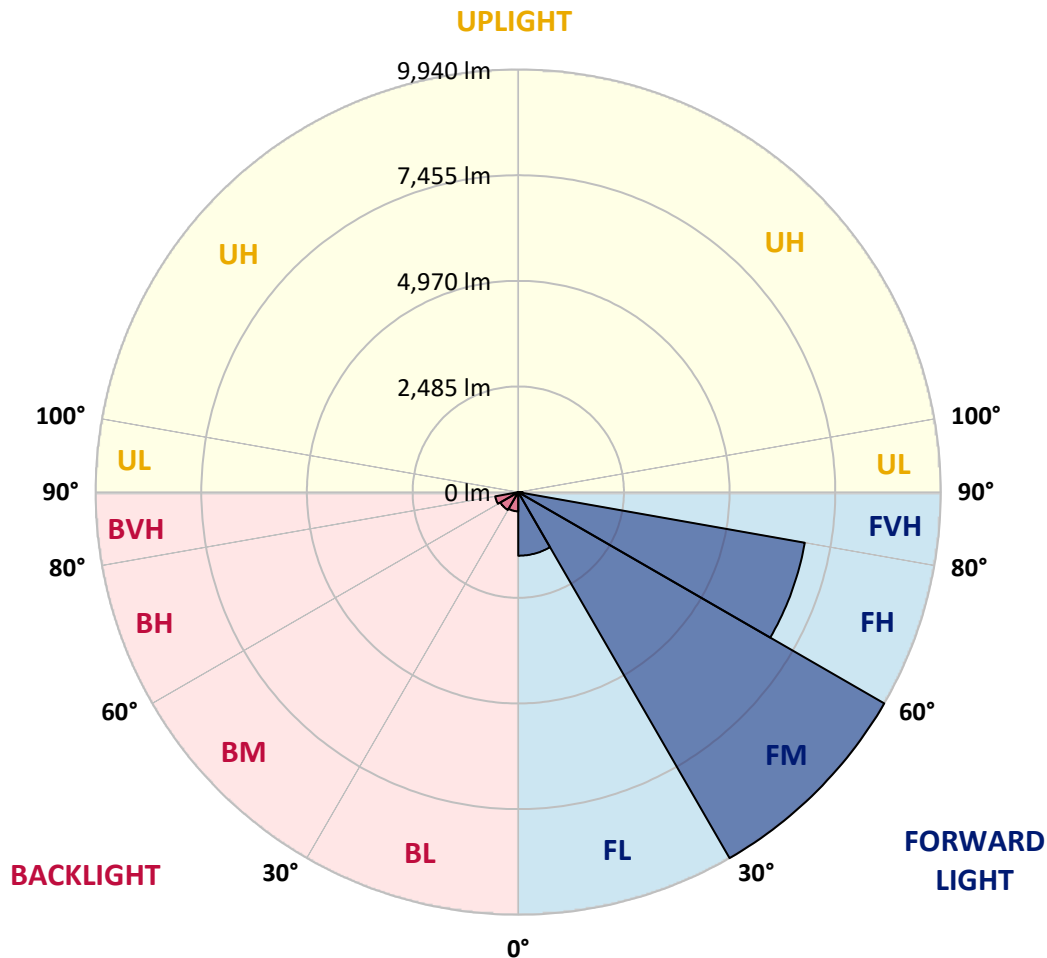
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1495.8	7.5			
FM (30°-60°)	9940.3	50.0			
FH (60°-80°)	6844.1	34.4			G3/7500
FVH (80°-90°)	108.6	0.5			G2/225
BL (0°-30°)	451.5	2.3	B1/500		
BM (30°-60°)	485.2	2.4	B1/1000		
BH (60°-80°)	550.3	2.8	B2/1000		G2/1000
BVH (80°-90°)	5.9	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5
2.5°	2801.5	2798.4	2786.1	2764.7	2737.1	2727.9	2688.1	2632.9	2602.2	2568.5	2553.2
5°	2994.6	2979.2	3016.0	3000.7	3006.8	2933.3	2884.2	2844.4	2727.9	2681.9	2608.4
7.5°	3037.5	3052.8	3049.7	3074.3	3098.8	3126.4	3092.7	3034.4	2917.9	2850.5	2770.8
10°	3037.5	3031.3	3055.9	3089.6	3160.1	3221.4	3313.3	3236.7	3147.8	3068.1	2924.1
12.5°	2982.3	2973.1	2997.6	3068.1	3193.8	3319.5	3420.6	3494.2	3368.5	3304.1	3117.2
15°	2813.7	2804.5	2905.7	3031.3	3196.9	3402.2	3613.7	3733.2	3647.4	3546.3	3337.9
17.5°	2605.3	2617.6	2724.8	2933.3	3196.9	3442.1	3711.8	3972.3	3960.1	3831.3	3613.7
20°	2534.8	2544.0	2651.3	2801.5	3101.8	3469.7	3865.0	4232.9	4306.4	4153.2	3868.1
22.5°	2669.7	2660.5	2669.7	2761.6	3037.5	3445.1	3966.2	4530.2	4662.0	4542.4	4202.2
25°	3129.4	3123.3	3046.7	2905.7	3000.7	3390.0	4018.3	4726.3	5029.8	4919.4	4471.9
27.5°	3803.7	3779.2	3659.7	3365.4	3172.3	3423.7	4104.1	4916.4	5351.6	5225.9	4714.1
30°	4527.1	4468.9	4312.5	3944.7	3616.8	3549.3	4153.2	5057.4	5710.2	5550.8	4925.6
32.5°	5026.7	5103.3	5054.3	4680.4	4177.7	3840.5	4232.9	5235.1	6041.2	5937.0	5287.2
35°	5799.1	5888.0	5682.6	5351.6	4845.9	4303.4	4401.4	5379.2	6550.0	6375.3	5624.4
37.5°	6773.8	6841.2	6694.1	6065.8	5532.4	4873.5	4747.8	5679.6	6988.3	6905.6	6056.6
40°	7264.2	7589.1	7380.7	6813.6	6240.5	5670.4	5321.0	6032.0	7751.6	7684.1	6654.3
42.5°	7941.6	8104.0	7996.8	7576.8	6979.2	6522.5	6029.0	6718.6	8677.2	8677.2	7463.4
45°	8658.8	8664.9	8658.8	8315.5	7785.3	7549.3	6985.3	7579.9	9673.3	9783.7	8432.0
47.5°	9247.3	9431.2	9415.9	9210.5	8799.8	8710.9	7941.6	8560.7	10923.9	11117.0	9376.0
50°	9550.7	9756.1	9817.4	9924.7	9906.3	10093.3	8986.8	9697.9	12002.8	12477.9	10589.8
52.5°	9468.0	9483.3	9860.3	10283.3	10957.6	11481.7	10246.5	10988.3	13265.6	13734.6	11527.7
55°	8790.6	8732.4	9507.8	9992.1	11386.7	12330.8	11990.5	12597.4	14249.5	14963.6	12496.3
57.5°	7304.1	7319.4	8036.6	9020.5	11068.0	12667.9	13854.1	14700.1	15628.8	16349.1	13857.2
60°	5042.0	5023.6	5826.7	6963.8	9195.2	12039.6	14926.9	17424.9	17473.9	18494.6	16300.0
62.5°	2835.2	2841.3	3451.3	4422.9	6433.6	9838.9	14874.8	20318.3	20109.9	21004.9	19077.0
65°	1606.1	1645.9	2065.9	2620.6	3852.8	6605.2	12793.6	21470.8	22142.0	22938.9	20762.8
66°	1357.8	1385.4	1744.0	2163.9	3074.3	5357.7	11515.5	21247.0	22779.6	23386.4	20729.0
67.5°	1051.3	1088.1	1388.5	1716.4	2255.9	3708.7	9268.8	20134.4	22896.0	23251.6	20143.6
70°	720.3	744.8	974.7	1302.7	1541.7	1897.3	5541.6	16646.4	20775.0	21075.4	17507.7
72.5°	505.7	518.0	683.5	987.0	1186.2	1085.0	2749.4	11843.4	15898.5	16483.9	13618.1
75°	364.7	377.0	469.0	708.0	925.6	711.1	1259.7	7564.6	9750.0	10209.7	8202.1
77.5°	263.6	278.9	318.8	456.7	671.2	499.6	619.1	3950.9	4597.6	4517.9	3527.9
80°	159.4	174.7	236.0	294.2	490.4	352.5	340.2	1649.0	1630.6	1547.9	1109.6
82.5°	73.6	85.8	125.7	199.2	343.3	245.2	162.4	588.5	514.9	472.0	312.6
85°	21.5	27.6	73.6	150.2	174.7	119.5	98.1	202.3	211.5	180.8	104.2
87.5°	0.0	3.1	33.7	36.8	52.1	39.8	36.8	52.1	98.1	79.7	33.7
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°	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5	2473.5
2.5°	2498.0	2476.6	2424.5	2344.8	2274.3	2237.5	2185.4	2139.4	2114.9	2111.8	2108.8
5°	2559.3	2501.1	2375.4	2231.4	2124.1	2007.6	1927.9	1869.7	1814.5	1762.4	1793.1
7.5°	2642.1	2550.1	2344.8	2157.8	1924.9	1774.7	1633.7	1550.9	1501.9	1455.9	1449.8
10°	2770.8	2654.3	2323.3	1986.2	1719.5	1498.8	1354.8	1235.2	1167.8	1088.1	1118.7
12.5°	2945.5	2737.1	2243.6	1829.8	1486.6	1253.6	1048.3	855.2	747.9	665.1	668.2
15°	3120.2	2847.4	2170.1	1639.8	1275.1	968.6	668.2	536.4	505.7	487.3	493.5
17.5°	3291.9	2936.3	2056.7	1446.7	1032.9	616.1	487.3	459.8	444.4	426.0	426.0
20°	3500.3	2994.6	1915.7	1268.9	711.1	456.7	416.8	398.5	373.9	349.4	352.5
22.5°	3702.6	3043.6	1753.2	1042.1	478.2	395.4	349.4	324.9	303.4	278.9	278.9
25°	3904.9	3058.9	1541.7	747.9	386.2	315.7	272.8	239.1	217.6	196.2	199.2
27.5°	4042.8	2963.9	1342.5	478.2	309.6	239.1	190.0	162.4	144.1	122.6	122.6
30°	4122.5	2789.2	1127.9	337.2	232.9	162.4	113.4	85.8	67.4	52.1	49.0
32.5°	4202.2	2648.2	885.8	257.5	153.3	85.8	42.9	15.3	0.0	0.0	0.0
35°	4361.6	2488.8	594.6	144.1	52.1	3.1	0.0	0.0	0.0	0.0	0.0
37.5°	4462.7	2268.1	272.8	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4717.1	2157.8	67.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	5130.9	2081.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5584.5	2050.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6188.4	2133.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6825.9	2357.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	7524.7	2568.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8134.7	2822.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9256.5	3423.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	11270.2	4603.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	13538.4	5480.3	33.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	14369.0	5458.9	58.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	14221.9	5158.5	58.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	13458.7	4582.3	52.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	11558.4	3785.4	52.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	8812.1	2948.6	49.0	12.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	5317.9	1569.3	39.8	15.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2118.0	551.7	30.7	12.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	573.2	165.5	18.4	12.3	9.2	3.1	0.0	0.0	0.0	0.0	0.0
82.5°	150.2	61.3	15.3	12.3	6.1	3.1	0.0	0.0	0.0	0.0	0.0
85°	58.2	24.5	12.3	9.2	9.2	6.1	3.1	0.0	0.0	0.0	0.0
87.5°	18.4	9.2	9.2	6.1	6.1	3.1	3.1	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)