

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: P481136

Luminaire Tested: **IFLD-S-SA6B-722-U-RW**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481136
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-RW
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

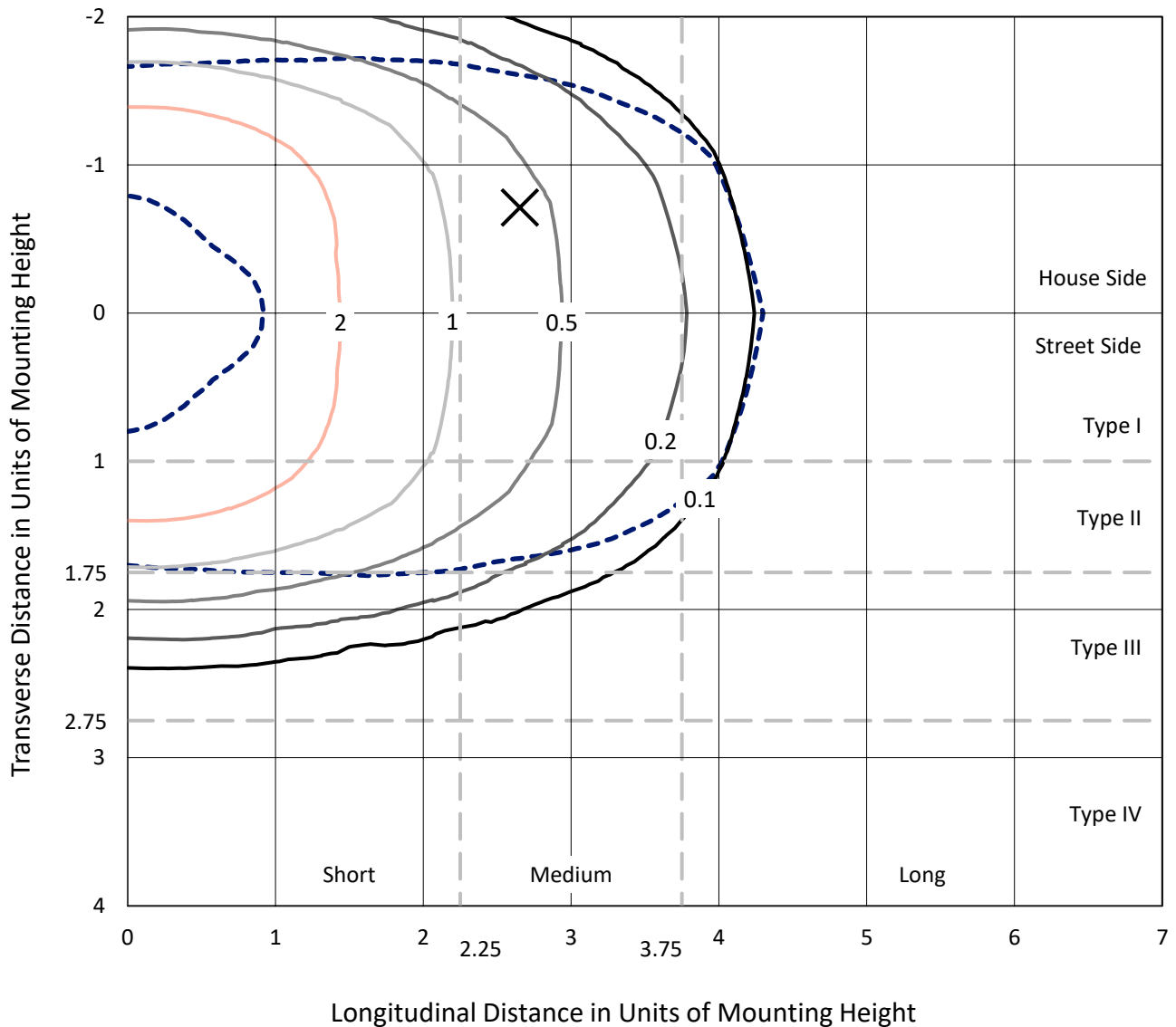
Lumens per Lamp: N/A
Luminaire Lumens: 25325.8 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

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

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Iso-Footcandle Lines of Horizontal Illumination

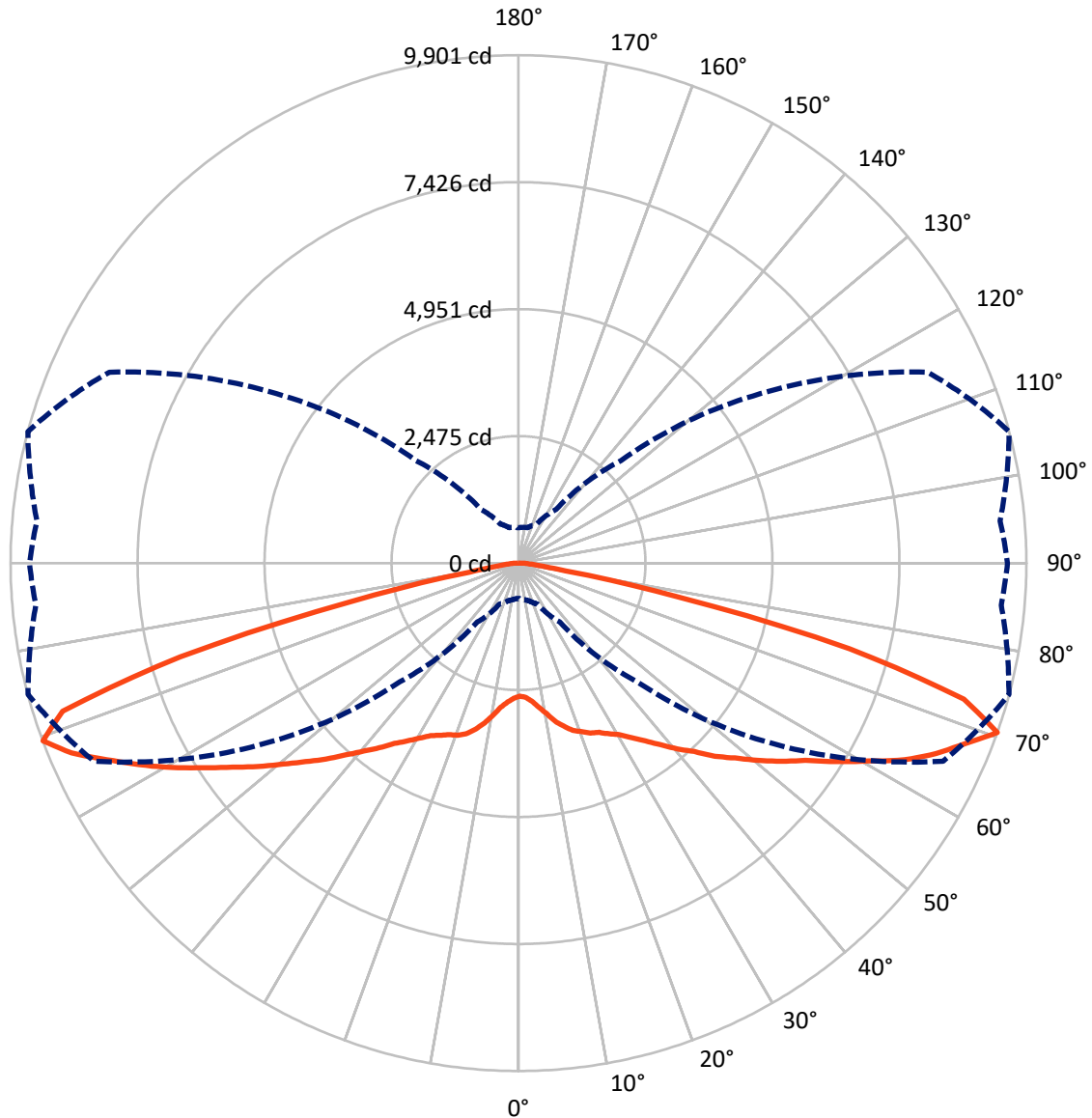
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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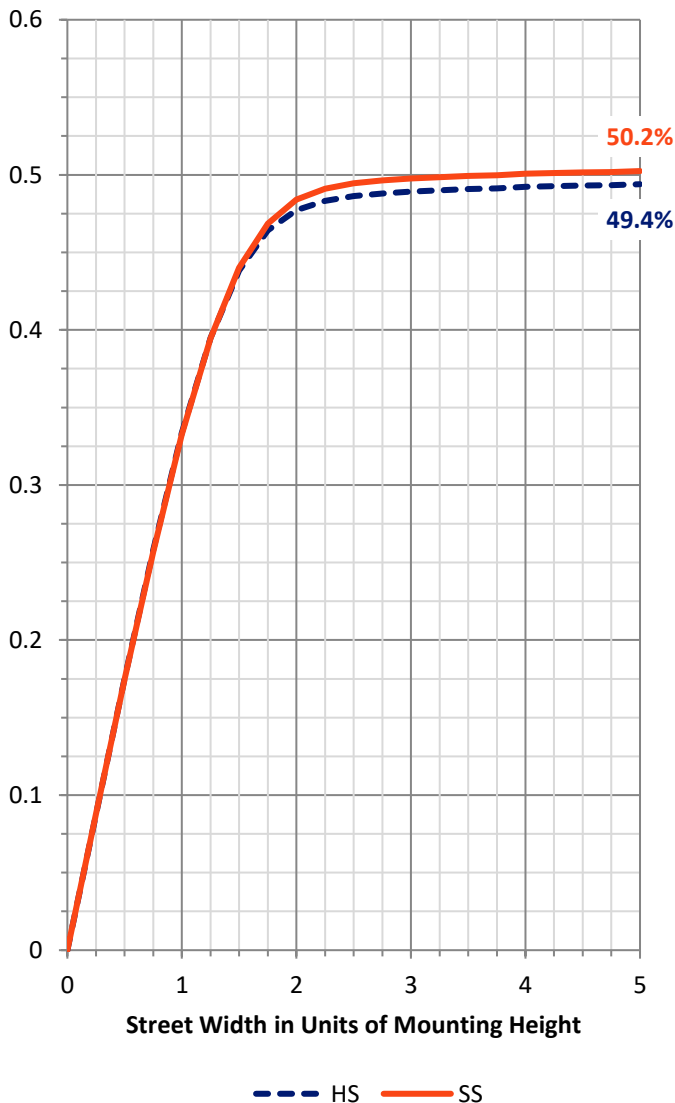
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12572.8	0.0	12572.8
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	12753.0	0.0	12753.0
	% Fixture	50.4	0.0	50.4
Total	Lumens	25325.8	0.0	25325.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.1	1.0
10°-20°	878.9	3.5
20°-30°	1701.8	6.7
30°-40°	2878.5	11.4
40°-50°	4592.1	18.1
50°-60°	6285.5	24.8
60°-70°	5924.5	23.4
70°-80°	2609.9	10.3
80°-90°	196.4	0.8
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°	25325.8	100.0
0°-180°	25325.8	100.0

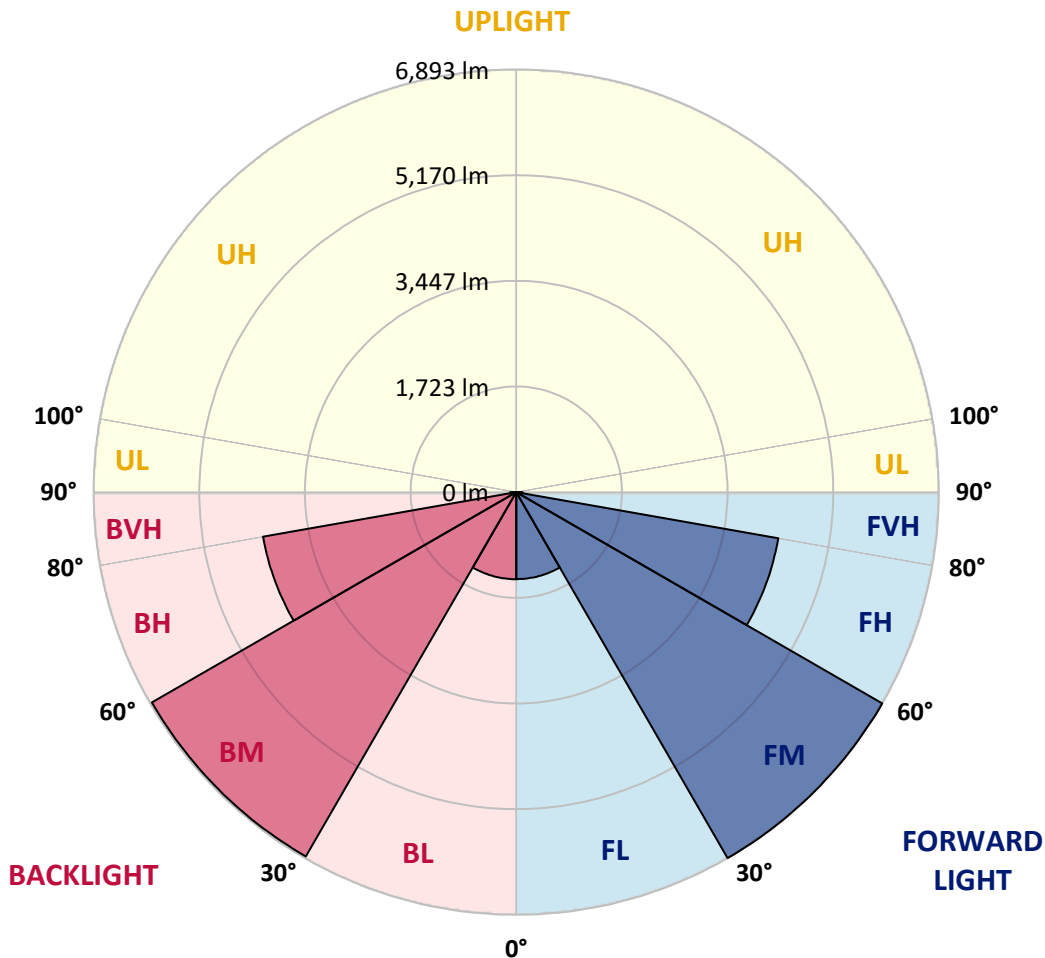


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1418.6	5.6			
FM (30°-60°)	6893.5	27.2			
FH (60°-80°)	4340.6	17.1			G2/5000
FVH (80°-90°)	100.3	0.4			G2/225
BL (0°-30°)	1420.2	5.6	B3/2500		
BM (30°-60°)	6862.6	27.1	B4/8500		
BH (60°-80°)	4193.9	16.6	B4/5000		G4/5000
BVH (80°-90°)	96.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3
2.5°	2577.0	2577.0	2574.2	2587.9	2601.5	2607.0	2617.9	2620.6	2637.0	2623.4	2650.7
5°	2568.8	2566.0	2587.9	2620.6	2620.6	2656.1	2678.0	2708.0	2716.2	2732.6	2738.0
7.5°	2626.1	2620.6	2609.7	2645.2	2675.2	2729.8	2759.9	2811.7	2830.8	2852.7	2877.2
10°	2661.6	2661.6	2650.7	2713.4	2740.7	2814.4	2880.0	2931.8	3005.5	3030.1	3032.8
12.5°	2667.0	2675.2	2708.0	2789.9	2866.3	2961.9	3011.0	3109.3	3183.0	3229.4	3245.8
15°	2748.9	2732.6	2768.0	2880.0	2991.9	3076.5	3163.9	3234.8	3341.3	3401.4	3439.6
17.5°	2822.6	2806.3	2871.8	3005.5	3120.2	3251.2	3327.7	3404.1	3480.5	3535.1	3537.9
20°	2940.0	2953.7	3011.0	3155.7	3305.8	3420.5	3507.8	3521.5	3559.7	3638.9	3625.2
22.5°	3084.7	3073.8	3193.9	3352.2	3516.0	3611.6	3660.7	3625.2	3606.1	3690.7	3709.8
25°	3229.4	3262.1	3371.3	3518.7	3715.3	3843.6	3857.2	3759.0	3688.0	3718.0	3709.8
27.5°	3450.5	3456.0	3570.6	3745.3	3944.6	4056.5	4048.3	3909.1	3772.6	3775.3	3780.8
30°	3734.4	3707.1	3832.7	3991.0	4187.6	4288.6	4302.2	4102.9	3920.0	3865.4	3879.1
32.5°	4007.4	4040.1	4149.3	4329.5	4474.2	4531.5	4501.5	4324.0	4086.5	4012.8	4021.0
35°	4356.8	4351.3	4501.5	4654.4	4763.5	4774.5	4749.9	4490.6	4266.7	4171.2	4133.0
37.5°	4730.8	4779.9	4878.2	5003.8	5118.4	5123.9	4990.1	4782.7	4506.9	4348.6	4395.0
40°	5148.4	5203.0	5274.0	5456.9	5541.5	5454.2	5317.7	5036.5	4749.9	4610.7	4632.5
42.5°	5517.0	5541.5	5686.2	5901.9	5942.8	5904.6	5702.6	5361.4	5028.3	4875.5	4886.4
45°	5855.5	5888.2	6076.6	6270.4	6366.0	6300.4	6065.7	5740.8	5353.2	5222.2	5170.3
47.5°	6166.7	6232.2	6415.1	6614.4	6761.8	6767.2	6477.9	6084.8	5675.3	5503.3	5500.6
50°	6376.9	6472.4	6652.6	6879.2	7094.8	7179.4	6890.1	6467.0	6027.5	5844.6	5825.4
52.5°	6491.5	6589.8	6770.0	7122.1	7362.3	7493.4	7356.9	6824.6	6439.7	6248.6	6218.5
55°	6352.3	6417.8	6712.6	7206.7	7578.0	7793.6	7703.6	7318.7	6849.1	6693.5	6720.8
57.5°	5759.9	5896.4	6259.5	6876.4	7572.5	8102.1	8093.9	7785.5	7321.4	7174.0	7179.4
60°	4741.7	4856.4	5304.0	6166.7	7266.8	8227.7	8517.1	8238.6	7851.0	7679.0	7673.5
62.5°	3346.8	3491.4	4010.1	4951.9	6366.0	8053.0	9003.0	8809.1	8369.6	8244.1	8290.5
65°	1872.7	1960.0	2440.5	3292.2	4850.9	7092.1	9090.3	9401.5	8896.5	8705.4	8713.6
67.5°	1001.8	1034.6	1258.4	1728.0	2967.3	5467.8	8208.6	9742.7	9467.0	9136.7	9084.9
70°	687.9	698.8	756.2	884.5	1403.1	3270.3	6191.2	9134.0	9895.6	9445.2	9532.5
72.5°	581.5	576.0	589.6	603.3	734.3	1463.2	3633.4	7029.3	9341.5	9172.2	9139.5
75°	505.0	502.3	507.7	494.1	510.5	644.2	1607.9	4381.4	6838.2	7632.6	7755.4
77.5°	417.7	420.4	423.1	409.5	404.0	425.9	647.0	1924.5	3365.9	3715.3	4007.4
80°	316.7	322.1	344.0	330.3	308.5	311.2	382.2	644.2	966.4	876.3	903.6
82.5°	215.7	218.4	264.8	248.4	232.0	210.2	245.7	333.0	376.7	286.6	251.1
85°	152.9	150.1	172.0	158.3	147.4	106.5	147.4	188.4	226.6	142.0	128.3
87.5°	35.5	35.5	71.0	57.3	54.6	43.7	57.3	73.7	98.3	62.8	57.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3
2.5°	2642.5	2617.9	2617.9	2612.4	2590.6	2585.1	2566.0	2571.5	2557.8	2544.2
5°	2735.3	2702.5	2702.5	2656.1	2612.4	2607.0	2585.1	2585.1	2563.3	2568.8
7.5°	2863.6	2833.6	2784.4	2743.5	2683.4	2658.8	2617.9	2612.4	2607.0	2596.1
10°	3016.5	2978.2	2929.1	2844.5	2795.3	2748.9	2708.0	2650.7	2637.0	2639.7
12.5°	3223.9	3163.9	3057.4	2983.7	2920.9	2860.9	2800.8	2716.2	2697.1	2705.3
15°	3371.3	3294.9	3188.4	3161.1	3076.5	3002.8	2904.5	2809.0	2776.2	2768.0
17.5°	3491.4	3428.7	3365.9	3324.9	3256.7	3166.6	3030.1	2920.9	2847.2	2839.0
20°	3589.7	3507.8	3494.2	3518.7	3434.1	3374.1	3207.5	3073.8	2975.5	2934.6
22.5°	3649.8	3597.9	3636.1	3658.0	3652.5	3551.5	3379.5	3223.9	3101.1	3062.9
25°	3715.3	3655.2	3791.7	3865.4	3884.5	3718.0	3584.3	3379.5	3259.4	3234.8
27.5°	3748.0	3769.9	3928.2	4083.8	4070.2	3941.9	3761.7	3578.8	3483.3	3439.6
30°	3843.6	3879.1	4119.3	4294.0	4296.7	4171.2	4034.7	3827.2	3720.8	3701.6
32.5°	4015.6	4059.2	4315.9	4501.5	4534.2	4438.7	4302.2	4173.9	4064.7	4021.0
35°	4146.6	4258.5	4547.9	4717.1	4804.5	4747.2	4670.7	4537.0	4422.3	4384.1
37.5°	4335.0	4490.6	4769.0	4998.3	5096.6	5091.1	5033.8	4889.1	4793.6	4760.8
40°	4605.2	4760.8	5014.7	5317.7	5500.6	5492.4	5459.6	5347.7	5205.8	5189.4
42.5°	4891.8	5020.1	5350.5	5697.1	5959.2	5931.9	5844.6	5713.5	5615.2	5593.4
45°	5170.3	5369.6	5675.3	6120.3	6316.8	6385.1	6281.3	6057.5	5945.6	5931.9
47.5°	5519.7	5678.0	6060.2	6458.8	6750.9	6761.8	6584.3	6376.9	6172.1	6215.8
50°	5830.9	6041.1	6428.7	6865.5	7214.9	7089.4	6862.8	6603.4	6456.0	6398.7
52.5°	6163.9	6420.5	6871.0	7315.9	7509.7	7384.2	7015.6	6726.3	6502.4	6477.9
55°	6649.9	6783.6	7373.3	7714.5	7777.3	7512.5	6969.2	6559.8	6270.4	6199.4
57.5°	7144.0	7299.6	7815.5	8110.3	8044.8	7441.5	6669.0	6035.6	5656.2	5555.2
60°	7643.5	7834.6	8268.6	8538.9	8200.4	6952.9	5820.0	5003.8	4561.5	4471.5
62.5°	8200.4	8448.8	8836.4	8932.0	7739.1	5986.5	4618.9	3611.6	3163.9	3013.7
65°	8694.5	8948.4	9426.1	8850.1	6759.0	4466.0	2986.4	2063.7	1733.4	1613.3
67.5°	9101.2	9387.9	9622.6	7831.9	4949.2	2615.2	1556.0	1086.5	963.6	920.0
70°	9423.4	9901.1	8803.7	5757.2	2828.1	1274.8	840.8	715.2	698.8	687.9
72.5°	9142.2	9079.4	6573.4	3322.2	1239.3	701.6	608.8	589.6	586.9	589.6
75°	7477.0	6669.0	3930.9	1444.1	622.4	507.7	505.0	496.8	510.5	510.5
77.5°	3627.9	3172.1	1643.4	619.7	409.5	398.6	412.2	412.2	412.2	412.2
80°	840.8	930.9	586.9	376.7	297.6	297.6	327.6	330.3	316.7	311.2
82.5°	286.6	382.2	322.1	237.5	196.5	221.1	248.4	253.9	210.2	212.9
85°	142.0	223.8	174.7	136.5	101.0	136.5	161.1	169.2	144.7	139.2
87.5°	65.5	98.3	65.5	46.4	35.5	49.1	46.4	38.2	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)