

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: P481150

Luminaire Tested: **IFLD-L-SA8A-722-U-RW**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481150
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-722-U-RW
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

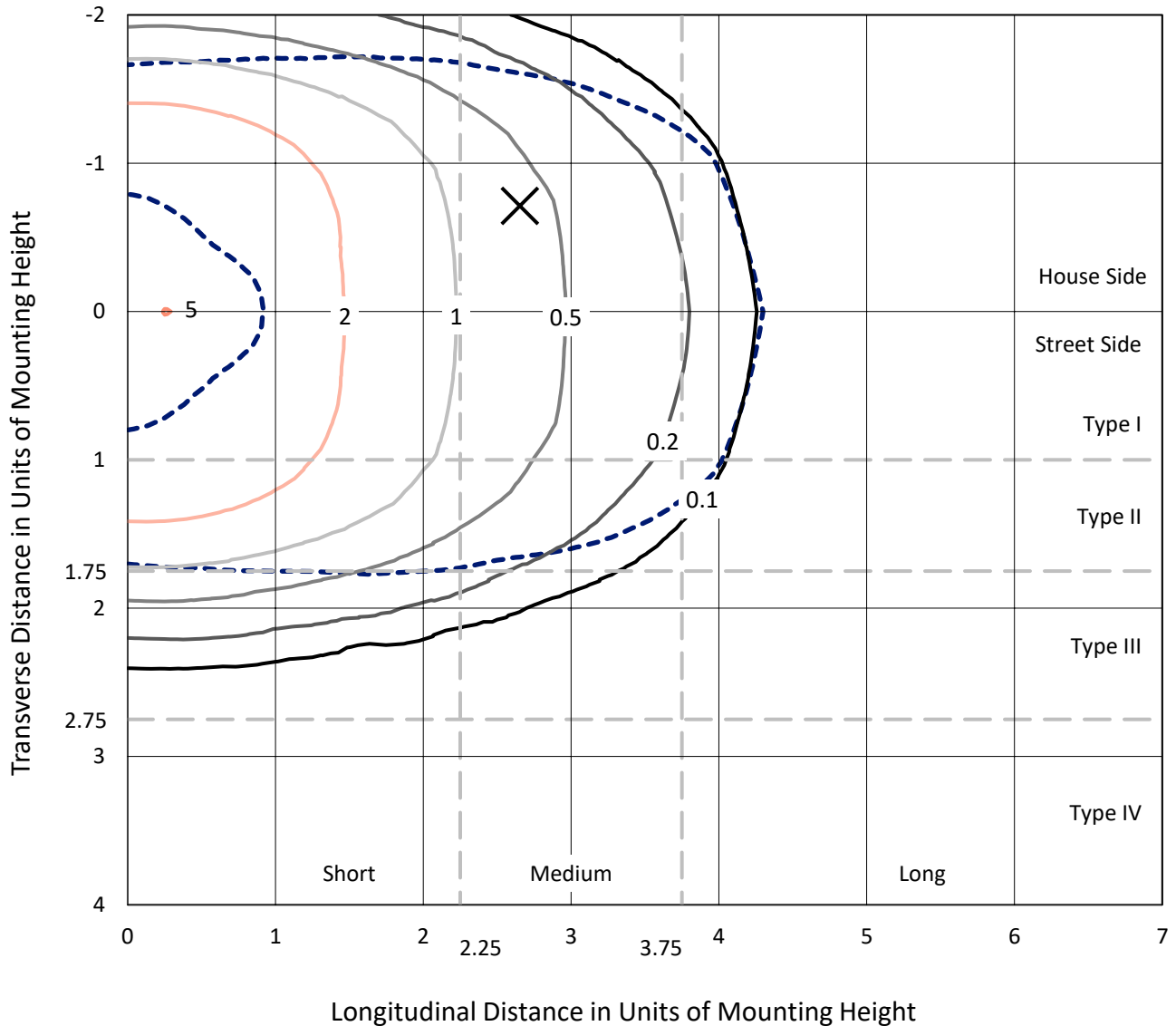
Lumens per Lamp: N/A
Luminaire Lumens: 25990.8 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

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: P481150
 CATALOG NUMBER: IFLD-L-SA8A-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

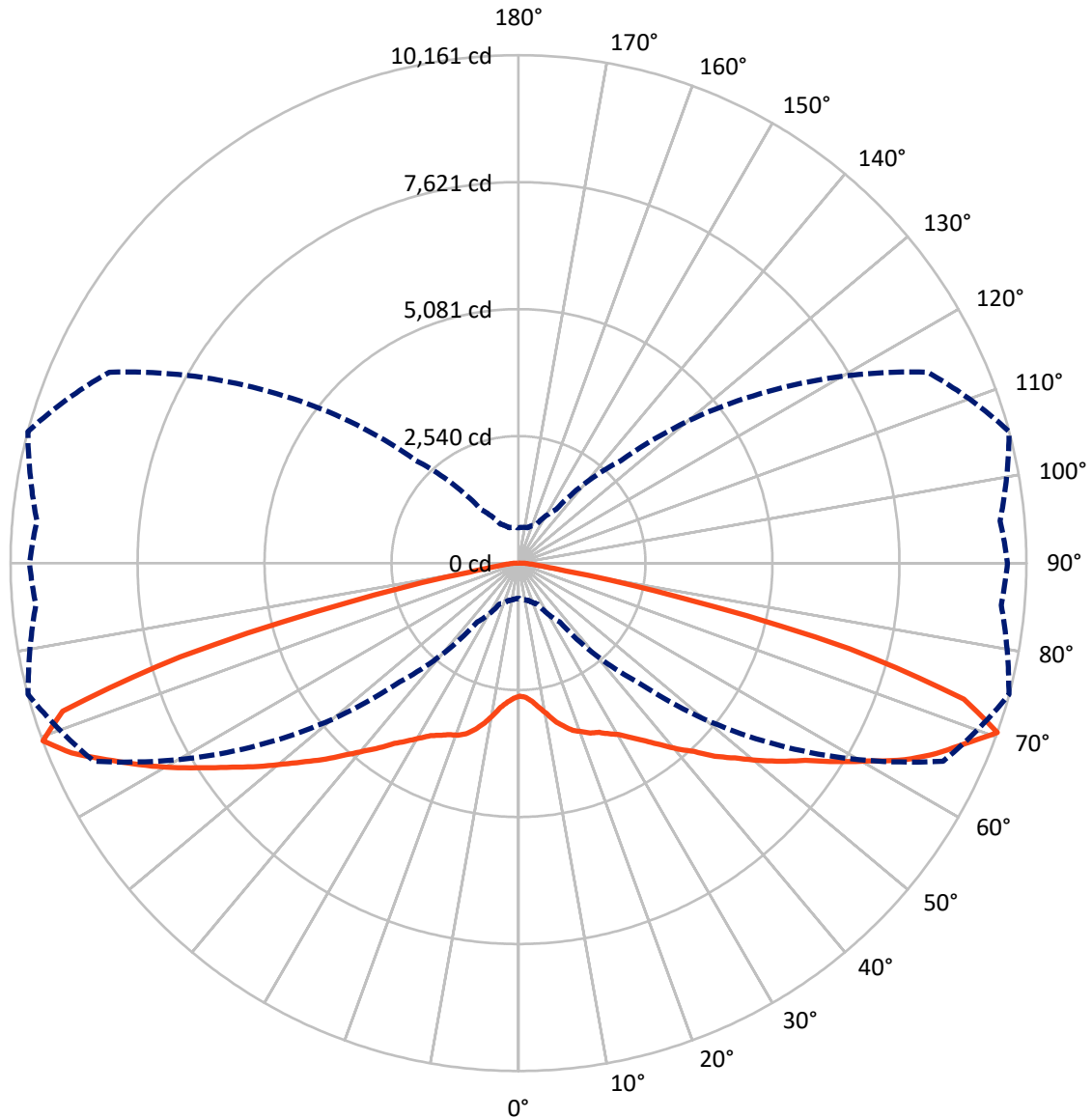
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

REPORT NUMBER: P481150
CATALOG NUMBER: IFLD-L-SA8A-722-U-RW

Luminous Intensity Polar Plot



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

REPORT NUMBER: P481150
 CATALOG NUMBER: IFLD-L-SA8A-722-U-RW

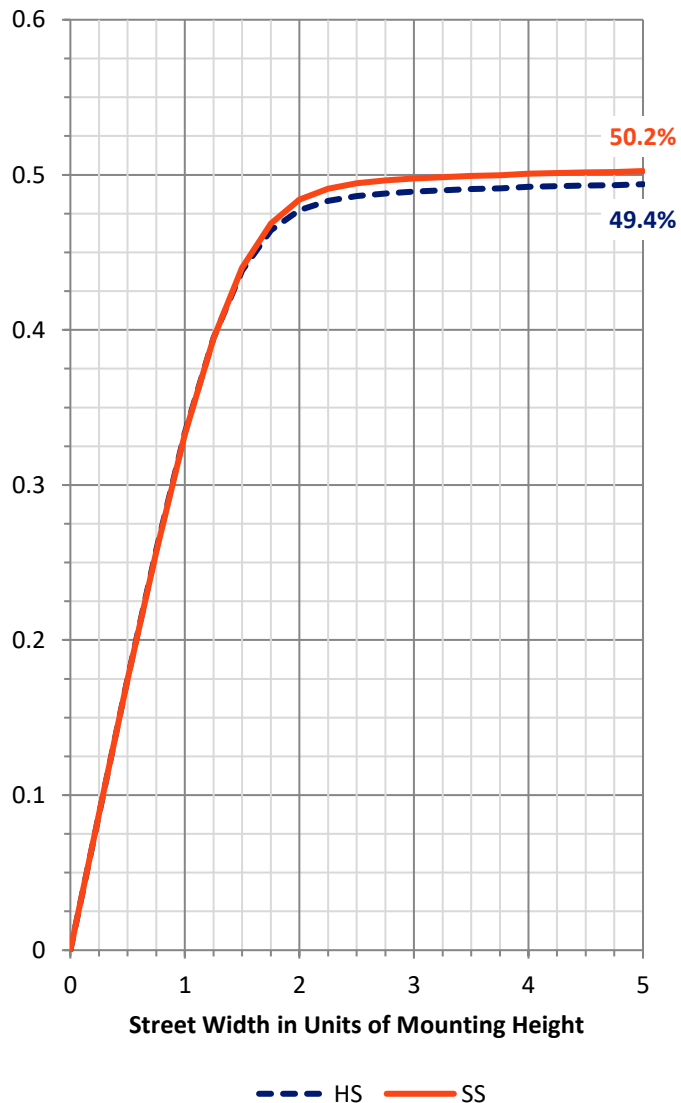
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12903.0	0.0	12903.0
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	13087.9	0.0	13087.9
	% Fixture	50.4	0.0	50.4
Total	Lumens	25990.8	0.0	25990.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.9	1.0
10°-20°	902.0	3.5
20°-30°	1746.5	6.7
30°-40°	2954.1	11.4
40°-50°	4712.7	18.1
50°-60°	6450.6	24.8
60°-70°	6080.1	23.4
70°-80°	2678.5	10.3
80°-90°	201.5	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°	25990.8	100.0
0°-180°	25990.8	100.0

Coefficient of Utilization



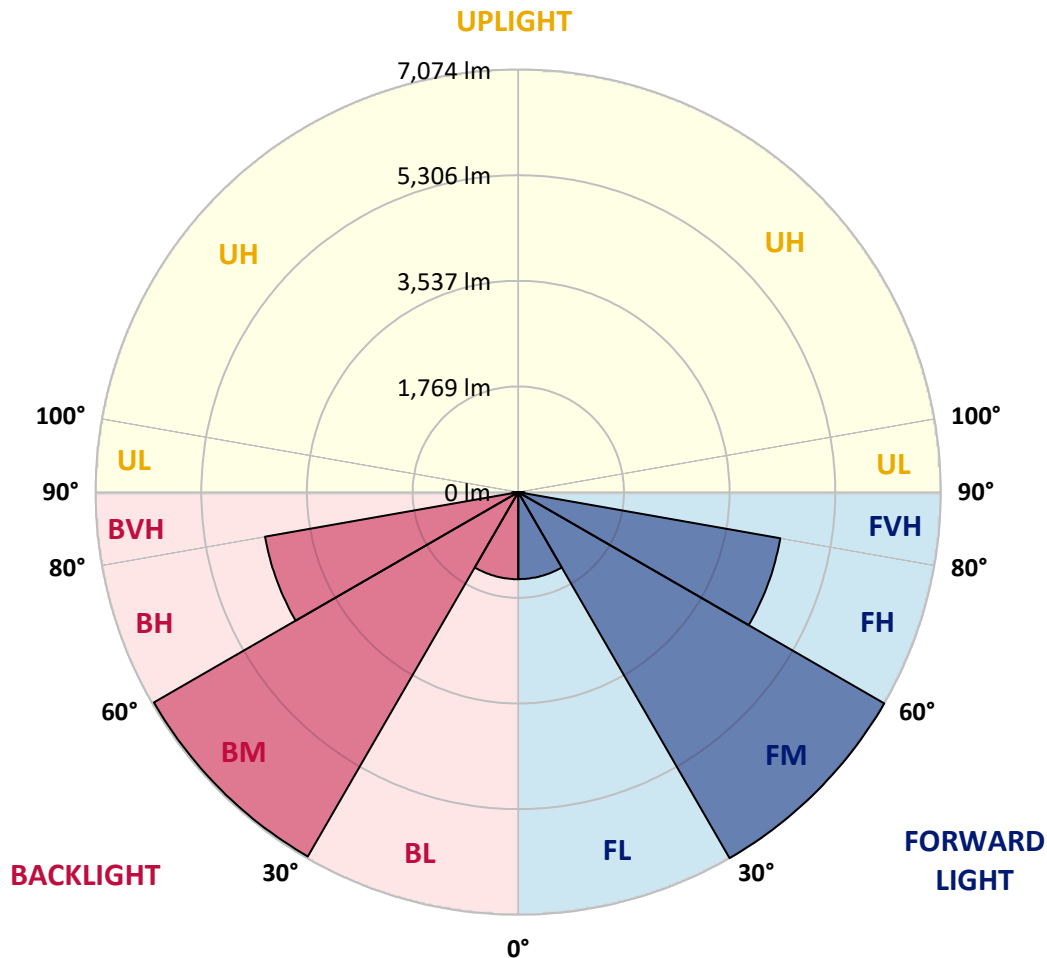
REPORT NUMBER: P481150
 CATALOG NUMBER: IFLD-L-SA8A-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.9	5.6			
FM (30°-60°)	7074.5	27.2			
FH (60°-80°)	4454.5	17.1			G2/5000
FVH (80°-90°)	102.9	0.4			G2/225
BL (0°-30°)	1457.5	5.6	B3/2500		
BM (30°-60°)	7042.9	27.1	B4/8500		
BH (60°-80°)	4304.0	16.6	B4/5000		G4/5000
BVH (80°-90°)	98.6	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





REPORT NUMBER: P481150

CATALOG NUMBER: IFLD-L-SA8A-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4
2.5°	2644.6	2644.6	2641.8	2655.8	2669.8	2675.4	2686.6	2689.5	2706.3	2692.3	2720.3
5°	2636.2	2633.4	2655.8	2689.5	2689.5	2725.9	2748.3	2779.1	2787.5	2804.3	2809.9
7.5°	2695.1	2689.5	2678.2	2714.7	2745.5	2801.5	2832.3	2885.6	2905.2	2927.6	2952.8
10°	2731.5	2731.5	2720.3	2784.7	2812.7	2888.4	2955.6	3008.8	3084.5	3109.7	3112.5
12.5°	2737.1	2745.5	2779.1	2863.1	2941.6	3039.6	3090.1	3190.9	3266.6	3314.2	3331.0
15°	2821.1	2804.3	2840.7	2955.6	3070.5	3157.3	3247.0	3319.8	3429.0	3490.7	3529.9
17.5°	2896.8	2880.0	2947.2	3084.5	3202.1	3336.6	3415.0	3493.5	3571.9	3628.0	3630.8
20°	3017.2	3031.2	3090.1	3238.5	3392.6	3510.3	3599.9	3613.9	3653.2	3734.4	3720.4
22.5°	3165.7	3154.5	3277.8	3440.3	3608.3	3706.4	3756.8	3720.4	3700.8	3787.6	3807.3
25°	3314.2	3347.8	3459.9	3611.1	3812.9	3944.5	3958.5	3857.7	3784.8	3815.7	3807.3
27.5°	3541.1	3546.7	3664.4	3843.7	4048.2	4163.0	4154.6	4011.8	3871.7	3874.5	3880.1
30°	3832.5	3804.5	3933.3	4095.8	4297.5	4401.2	4415.2	4210.7	4023.0	3966.9	3980.9
32.5°	4112.6	4146.2	4258.3	4443.2	4591.7	4650.5	4619.7	4437.6	4193.9	4118.2	4126.6
35°	4471.2	4465.6	4619.7	4776.6	4888.6	4899.8	4874.6	4608.5	4378.8	4280.7	4241.5
37.5°	4855.0	4905.4	5006.3	5135.2	5252.8	5258.4	5121.2	4908.2	4625.3	4462.8	4510.4
40°	5283.6	5339.7	5412.5	5600.2	5687.1	5597.4	5457.3	5168.8	4874.6	4731.8	4754.2
42.5°	5661.9	5687.1	5835.5	6056.9	6098.9	6059.7	5852.4	5502.2	5160.4	5003.5	5014.7
45°	6009.2	6042.9	6236.2	6435.1	6533.1	6465.9	6225.0	5891.6	5493.8	5359.3	5306.1
47.5°	6328.6	6395.8	6583.6	6788.1	6939.3	6944.9	6648.0	6244.6	5824.3	5647.8	5645.0
50°	6544.3	6642.4	6827.3	7059.8	7281.1	7368.0	7071.0	6636.8	6185.7	5998.0	5978.4
52.5°	6662.0	6762.8	6947.7	7309.1	7555.7	7690.1	7550.1	7003.8	6608.8	6412.7	6381.8
55°	6519.1	6586.4	6888.9	7396.0	7777.0	7998.3	7905.9	7510.9	7029.0	6869.3	6897.3
57.5°	5911.2	6051.3	6423.9	7057.0	7771.4	8314.9	8306.5	7989.9	7513.7	7362.4	7368.0
60°	4866.2	4983.9	5443.3	6328.6	7457.6	8443.8	8740.7	8455.0	8057.1	7880.6	7875.0
62.5°	3434.7	3583.1	4115.4	5081.9	6533.1	8264.5	9239.4	9040.5	8589.4	8460.6	8508.2
65°	1921.8	2011.5	2504.6	3378.6	4978.3	7278.3	9329.0	9648.4	9130.1	8934.0	8942.4
67.5°	1028.2	1061.8	1291.5	1773.4	3045.2	5611.4	8424.1	9998.6	9715.6	9376.7	9323.4
70°	706.0	717.2	776.0	907.7	1440.0	3356.2	6353.8	9373.9	10155.5	9693.2	9782.9
72.5°	596.7	591.1	605.1	619.1	753.6	1501.6	3728.8	7213.9	9586.8	9413.1	9379.5
75°	518.3	515.5	521.1	507.1	523.9	661.2	1650.1	4496.4	7017.8	7833.0	7959.1
77.5°	428.6	431.4	434.2	420.2	414.6	437.0	664.0	1975.1	3454.3	3812.9	4112.6
80°	325.0	330.6	353.0	339.0	316.6	319.4	392.2	661.2	991.7	899.3	927.3
82.5°	221.3	224.1	271.7	254.9	238.1	215.7	252.1	341.8	386.6	294.2	257.7
85°	156.9	154.1	176.5	162.5	151.3	109.3	151.3	193.3	232.5	145.7	131.7
87.5°	36.4	36.4	72.8	58.8	56.0	44.8	58.8	75.6	100.9	64.4	58.8
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: P481150
 CATALOG NUMBER: IFLD-L-SA8A-722-U-RW

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4	2661.4
2.5°	2711.9	2686.6	2686.6	2681.0	2658.6	2653.0	2633.4	2639.0	2625.0	2611.0
5°	2807.1	2773.5	2773.5	2725.9	2681.0	2675.4	2653.0	2653.0	2630.6	2636.2
7.5°	2938.8	2908.0	2857.5	2815.5	2753.9	2728.7	2686.6	2681.0	2675.4	2664.2
10°	3095.7	3056.4	3006.0	2919.2	2868.7	2821.1	2779.1	2720.3	2706.3	2709.1
12.5°	3308.6	3247.0	3137.7	3062.1	2997.6	2936.0	2874.4	2787.5	2767.9	2776.3
15°	3459.9	3381.4	3272.2	3244.1	3157.3	3081.7	2980.8	2882.8	2849.1	2840.7
17.5°	3583.1	3518.7	3454.3	3412.2	3342.2	3249.8	3109.7	2997.6	2922.0	2913.6
20°	3684.0	3599.9	3585.9	3611.1	3524.3	3462.7	3291.8	3154.5	3053.6	3011.6
22.5°	3745.6	3692.4	3731.6	3754.0	3748.4	3644.8	3468.3	3308.6	3182.5	3143.3
25°	3812.9	3751.2	3891.3	3966.9	3986.5	3815.7	3678.4	3468.3	3345.0	3319.8
27.5°	3846.5	3868.9	4031.4	4191.1	4177.1	4045.4	3860.5	3672.8	3574.7	3529.9
30°	3944.5	3980.9	4227.5	4406.8	4409.6	4280.7	4140.6	3927.7	3818.5	3798.8
32.5°	4121.0	4165.8	4429.2	4619.7	4653.3	4555.3	4415.2	4283.5	4171.4	4126.6
35°	4255.5	4370.4	4667.3	4841.0	4930.7	4871.8	4793.4	4656.1	4538.4	4499.2
37.5°	4448.8	4608.5	4894.2	5129.6	5230.4	5224.8	5166.0	5017.5	4919.5	4885.8
40°	4726.1	4885.8	5146.4	5457.3	5645.0	5636.6	5603.0	5488.2	5342.5	5325.7
42.5°	5020.3	5152.0	5491.0	5846.8	6115.7	6087.7	5998.0	5863.6	5762.7	5740.3
45°	5306.1	5510.6	5824.3	6281.0	6482.7	6552.7	6446.3	6216.6	6101.7	6087.7
47.5°	5664.7	5827.1	6219.4	6628.4	6928.1	6939.3	6757.2	6544.3	6334.2	6379.0
50°	5984.0	6199.7	6597.6	7045.8	7404.4	7275.5	7043.0	6776.9	6625.6	6566.7
52.5°	6325.8	6589.2	7051.4	7508.0	7707.0	7578.1	7199.9	6902.9	6673.2	6648.0
55°	6824.5	6961.8	7566.9	7917.1	7981.5	7709.8	7152.3	6732.0	6435.1	6362.2
57.5°	7331.6	7491.2	8020.7	8323.3	8256.1	7636.9	6844.1	6194.1	5804.7	5701.1
60°	7844.2	8040.3	8485.8	8763.1	8415.7	7135.4	5972.8	5135.2	4681.3	4588.9
62.5°	8415.7	8670.7	9068.5	9166.5	7942.3	6143.7	4740.2	3706.4	3247.0	3092.9
65°	8922.8	9183.4	9673.6	9082.5	6936.5	4583.3	3064.9	2117.9	1779.0	1655.7
67.5°	9340.2	9634.4	9875.3	8037.5	5079.1	2683.8	1596.9	1115.0	988.9	944.1
70°	9670.8	10161.1	9034.9	5908.4	2902.4	1308.3	862.9	734.0	717.2	706.0
72.5°	9382.3	9317.8	6746.0	3409.4	1271.9	720.0	624.7	605.1	602.3	605.1
75°	7673.3	6844.1	4034.2	1482.0	638.7	521.1	518.3	509.9	523.9	523.9
77.5°	3723.2	3255.4	1686.5	635.9	420.2	409.0	423.0	423.0	423.0	423.0
80°	862.9	955.3	602.3	386.6	305.4	305.4	336.2	339.0	325.0	319.4
82.5°	294.2	392.2	330.6	243.7	201.7	226.9	254.9	260.5	215.7	218.5
85°	145.7	229.7	179.3	140.1	103.7	140.1	165.3	173.7	148.5	142.9
87.5°	67.2	100.9	67.2	47.6	36.4	50.4	47.6	39.2	22.4	22.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)