

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: P636917

Luminaire Tested: **IFLD-S-SA3B-935-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636917
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8327.4 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

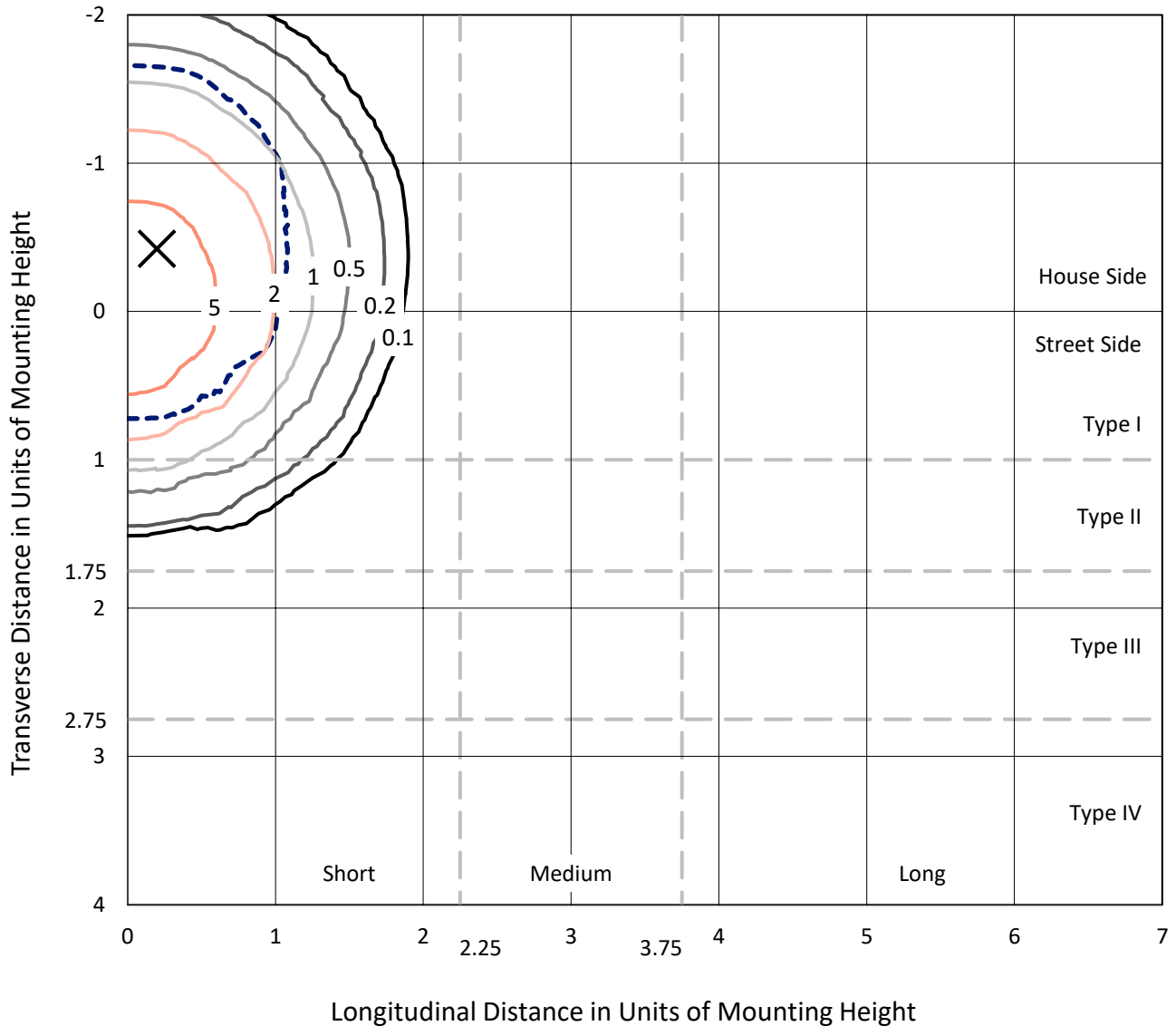
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

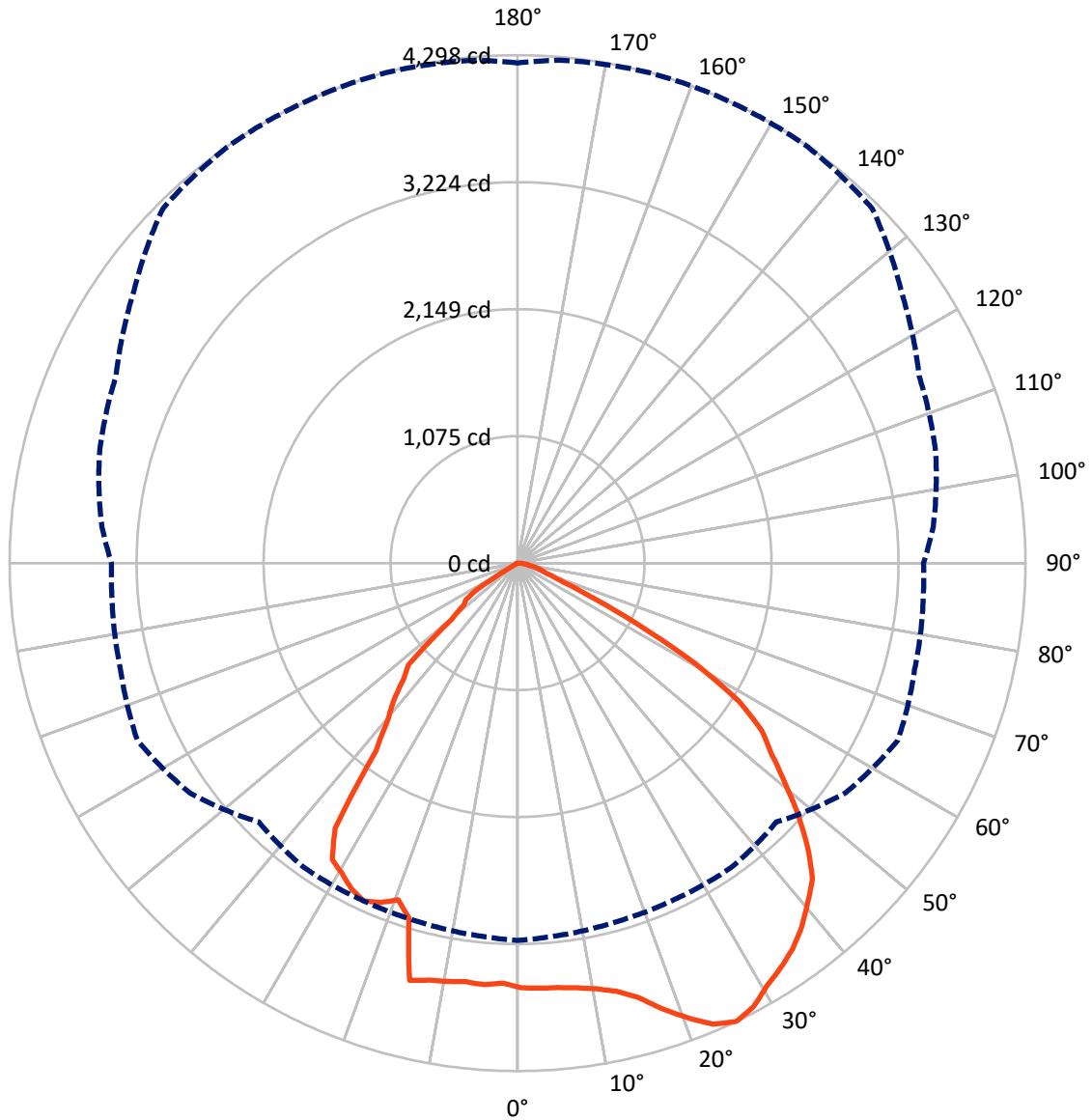
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5155.5	0.0	5155.5
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	3171.9	0.0	3171.9
	% Fixture	38.1	0.0	38.1
Total	Lumens	8327.4	0.0	8327.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.7	4.1
10°-20°	1052.6	12.6
20°-30°	1664.0	20.0
30°-40°	1879.7	22.6
40°-50°	1760.4	21.1
50°-60°	1213.6	14.6
60°-70°	326.1	3.9
70°-80°	67.9	0.8
80°-90°	18.4	0.2
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°	8327.4	100.0
0°-180°	8327.4	100.0



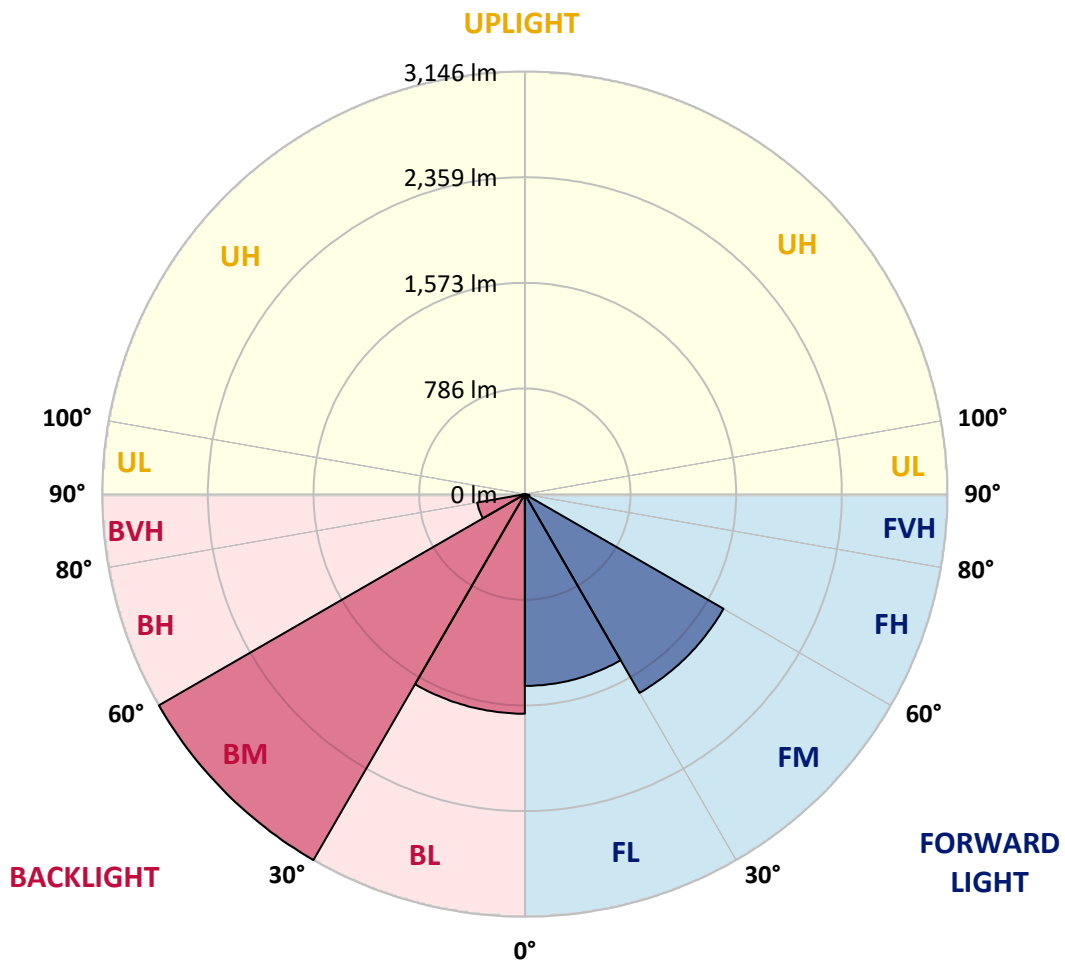
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1427.1	17.1			
FM (30°-60°)	1708.1	20.5			
FH (60°-80°)	34.2	0.4			G0/660
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	1634.3	19.6	B3/2500		
BM (30°-60°)	3145.6	37.8	B3/5000		
BH (60°-80°)	359.8	4.3	B1/500		G1/500
BVH (80°-90°)	15.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1
2.5°	3609.0	3585.8	3563.8	3556.4	3587.0	3620.1	3599.3	3600.5	3593.1	3606.6
5°	3636.0	3604.2	3589.5	3578.5	3583.3	3617.6	3588.2	3599.3	3587.0	3602.9
7.5°	3626.2	3604.2	3589.5	3568.7	3584.6	3625.0	3596.8	3598.0	3591.9	3606.6
10°	3620.1	3604.2	3585.8	3588.2	3606.6	3640.9	3618.8	3631.1	3622.5	3631.1
12.5°	3634.7	3617.6	3607.8	3607.8	3623.7	3662.9	3651.9	3662.9	3659.2	3666.6
15°	3496.5	3512.4	3605.4	3647.0	3678.8	3718.0	3713.1	3724.1	3726.5	3737.5
17.5°	2949.4	2933.5	2926.2	3140.3	3709.4	3830.6	3826.9	3825.7	3813.4	3804.9
20°	3021.6	3015.5	3006.9	3022.8	3086.5	3889.3	3913.8	3763.3	3719.2	3715.5
22.5°	3136.7	3126.9	3095.0	3096.3	3115.8	3381.4	3792.6	3655.6	3640.9	3632.3
25°	3192.9	3173.4	3147.7	3140.3	3146.4	3097.5	3387.5	3550.3	3478.1	3445.1
27.5°	3093.8	3095.0	3074.2	3093.8	3070.6	2850.3	2726.7	3344.7	3342.3	3327.6
30°	3019.2	3015.5	2991.0	3015.5	2855.2	2609.2	2556.6	3119.5	3093.8	3074.2
32.5°	2790.3	2792.8	2863.7	2959.2	2696.1	2501.5	2342.4	2786.6	3030.2	3019.2
35°	1996.1	2000.9	2253.1	2724.2	2455.0	2287.3	2275.1	2408.5	2929.8	2934.7
37.5°	1921.4	1921.4	1915.3	1992.4	2265.3	2200.4	2224.9	2211.4	2683.8	2696.1
40°	1867.6	1856.5	1848.0	1726.8	1575.1	2139.2	2156.4	2095.2	2537.0	2539.4
42.5°	1802.7	1790.5	1792.9	1568.9	1409.8	1987.5	1939.8	1857.8	2292.2	2294.7
45°	1684.0	1704.8	1719.5	1373.1	1360.9	1419.6	1789.2	1737.8	2127.0	2172.3
47.5°	856.7	875.0	1342.5	1263.0	1291.1	1261.8	1511.4	1512.6	1769.6	1920.2
50°	777.1	772.2	773.5	736.7	1192.0	1020.7	1092.9	1386.6	1417.2	1632.6
52.5°	724.5	723.3	648.6	576.4	749.0	898.3	793.0	1003.5	1053.7	1382.9
55°	536.0	575.2	511.6	542.2	468.7	719.6	715.9	905.6	922.8	1108.8
57.5°	4.9	6.1	14.7	412.4	324.3	359.8	494.4	618.0	648.6	864.0
60°	1.2	2.4	6.1	12.2	210.5	221.5	330.4	357.4	402.6	515.2
62.5°	0.0	0.0	2.4	6.1	11.0	90.6	105.2	115.0	177.5	263.1
65°	0.0	0.0	1.2	3.7	6.1	14.7	25.7	53.8	77.1	95.5
67.5°	0.0	0.0	1.2	2.4	4.9	7.3	14.7	20.8	33.0	56.3
70°	0.0	0.0	1.2	2.4	3.7	6.1	9.8	14.7	19.6	28.1
72.5°	0.0	0.0	1.2	2.4	2.4	7.3	7.3	11.0	14.7	18.4
75°	0.0	0.0	1.2	1.2	2.4	4.9	7.3	8.6	9.8	14.7
77.5°	0.0	0.0	1.2	2.4	3.7	4.9	6.1	9.8	8.6	8.6
80°	0.0	0.0	1.2	3.7	3.7	6.1	7.3	9.8	6.1	6.1
82.5°	0.0	0.0	1.2	4.9	3.7	12.2	12.2	13.5	4.9	4.9
85°	0.0	0.0	3.7	2.4	7.3	12.2	11.0	7.3	6.1	3.7
87.5°	0.0	0.0	1.2	1.2	2.4	3.7	8.6	7.3	2.4	2.4
90°	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°
3593.1	0°	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1	3593.1
3571.1	2.5°	3620.1	3604.2	3637.2	3633.5	3617.6	3610.3	3601.7	3594.4	3540.5
3573.6	5°	3621.3	3596.8	3637.2	3629.9	3627.4	3615.2	3607.8	3618.8	3569.9
3583.3	7.5°	3621.3	3596.8	3640.9	3643.3	3639.6	3629.9	3628.6	3636.0	3595.6
3600.5	10°	3645.8	3636.0	3672.7	3676.4	3671.5	3669.0	3662.9	3658.0	3615.2
3659.2	12.5°	3697.2	3677.6	3719.2	3730.2	3726.5	3732.7	3718.0	3725.3	3681.3
3719.2	15°	3759.6	3760.8	3792.6	3817.1	3814.7	3834.2	3812.2	3831.8	3800.0
3787.7	17.5°	3855.0	3868.5	3913.8	3950.5	3964.0	3978.6	3964.0	3970.1	3924.8
3711.8	20°	3754.7	3804.9	4022.7	4090.0	4118.2	4131.6	4107.1	4114.5	4069.2
3618.8	22.5°	3664.1	3729.0	3922.3	4132.8	4219.7	4246.7	4238.1	4236.9	4219.7
3435.3	25°	3530.7	3661.7	3748.6	3971.3	4244.2	4293.2	4298.1	4296.8	4271.1
3322.7	27.5°	3366.7	3396.1	3621.3	3757.1	4072.9	4258.9	4251.6	4216.1	4181.8
3088.9	30°	3157.5	3290.9	3392.4	3609.0	3851.4	4153.6	4153.6	4126.7	4091.2
3005.7	32.5°	3051.0	3223.5	3317.8	3396.1	3602.9	4036.2	4085.1	4057.0	4028.8
2940.8	35°	2994.7	3020.4	3240.7	3311.7	3486.7	3809.8	4008.0	3979.9	3959.1
2768.3	37.5°	2871.1	2931.1	3033.9	3223.5	3277.4	3625.0	3905.2	3890.5	3866.1
2544.3	40°	2595.7	2756.0	2913.9	3093.8	3150.1	3387.5	3780.4	3786.5	3753.5
2305.7	42.5°	2433.0	2541.9	2789.1	2910.2	3062.0	3234.6	3659.2	3669.0	3645.8
2184.5	45°	2242.0	2363.2	2537.0	2757.3	2964.1	3024.1	3445.1	3547.9	3528.3
1943.4	47.5°	2067.0	2164.9	2377.9	2600.6	2829.5	2820.9	3199.1	3392.4	3365.5
1758.6	50°	1818.6	1989.9	2090.3	2294.7	2636.1	2659.4	2937.2	3210.1	3188.1
1494.3	52.5°	1533.4	1748.8	1941.0	2128.2	2440.3	2495.4	2693.6	3024.1	3009.4
1141.8	55°	1340.1	1496.7	1713.3	1863.9	2202.9	2349.7	2511.3	2846.6	2839.3
938.7	57.5°	953.4	1255.6	1434.3	1644.8	1823.5	2089.1	2209.0	2485.6	2417.0
520.1	60°	646.2	788.1	1006.0	1232.4	1352.3	1617.9	1729.3	1950.8	1932.4
310.9	62.5°	341.4	472.4	627.8	741.6	828.5	1086.8	1133.3	1371.9	1365.8
124.8	65°	150.5	199.5	340.2	399.0	488.3	608.2	648.6	734.3	713.5
61.2	67.5°	78.3	118.7	192.1	236.2	297.4	342.7	375.7	402.6	419.8
40.4	70°	47.7	86.9	118.7	164.0	204.4	241.1	266.8	303.5	325.5
20.8	72.5°	35.5	55.1	82.0	126.1	148.1	190.9	216.6	243.5	263.1
17.1	75°	19.6	36.7	66.1	99.1	118.7	155.4	178.7	197.0	203.2
9.8	77.5°	12.2	28.1	55.1	77.1	93.0	126.1	119.9	137.1	151.8
7.3	80°	8.6	20.8	42.8	63.6	64.9	80.8	95.5	110.1	119.9
4.9	82.5°	6.1	17.1	31.8	49.0	42.8	62.4	74.7	85.7	62.4
3.7	85°	4.9	12.2	15.9	29.4	24.5	44.1	37.9	36.7	24.5
2.4	87.5°	3.7	6.1	11.0	13.5	9.8	9.8	12.2	14.7	12.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
3593.1
3503.8
3528.3
3549.1
3579.7
3642.1
3747.3
3885.6
4037.4
4164.7
4232.0
4154.9
4077.8
4005.6
3929.7
3841.6
3746.1
3643.3
3530.7
3385.1
3191.7
3019.2
2847.8
2409.7
1933.6
1367.0
704.9
419.8
326.8
266.8
199.5
154.2
121.2
45.3
24.5
12.2
0.0

(END OF REPORT)