

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: P477236

Luminaire Tested: **IFLD-S-SA6B-722-U-T3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P477236
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-T3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

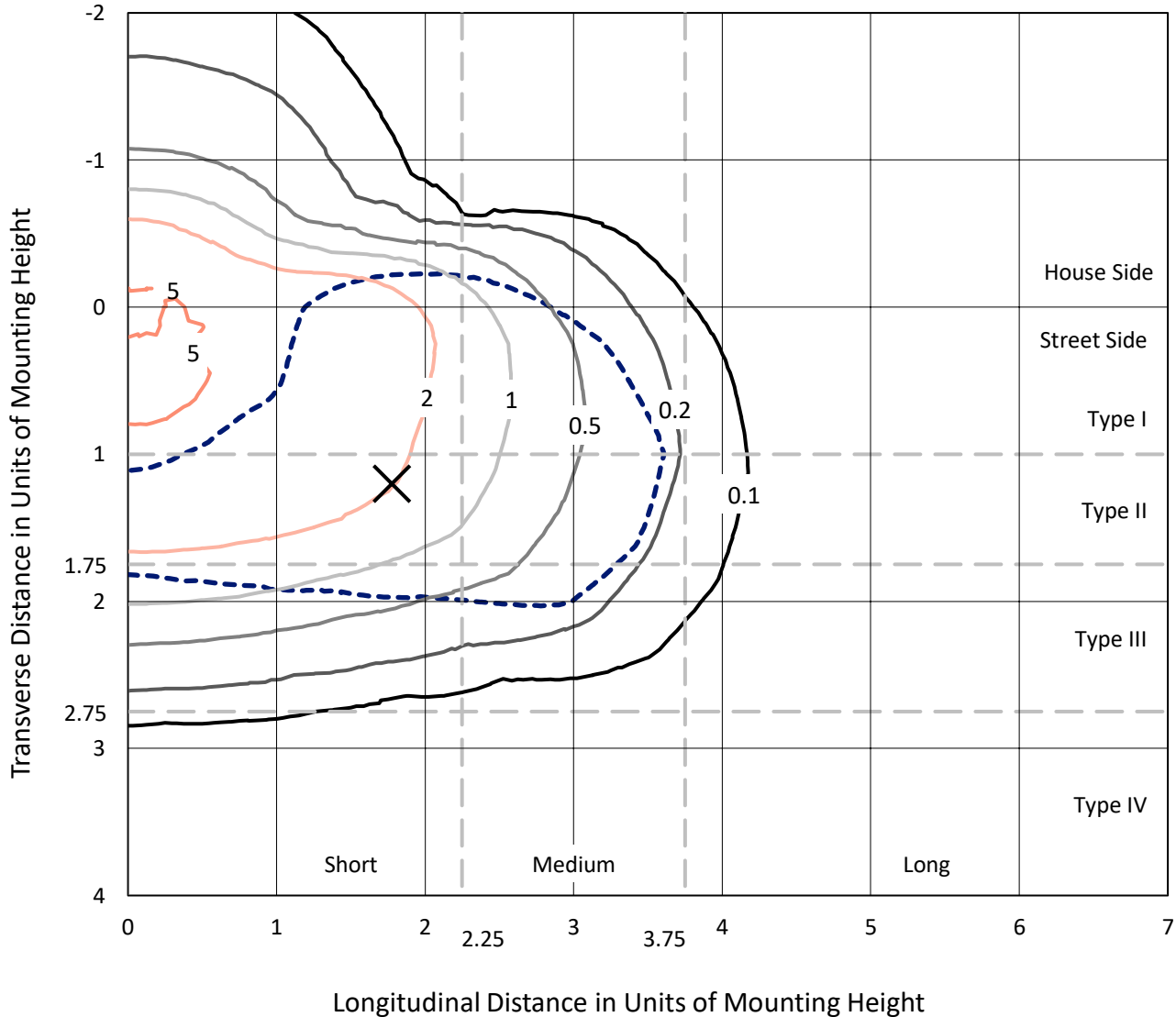
Lumens per Lamp: N/A
Luminaire Lumens: 25042.8 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

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

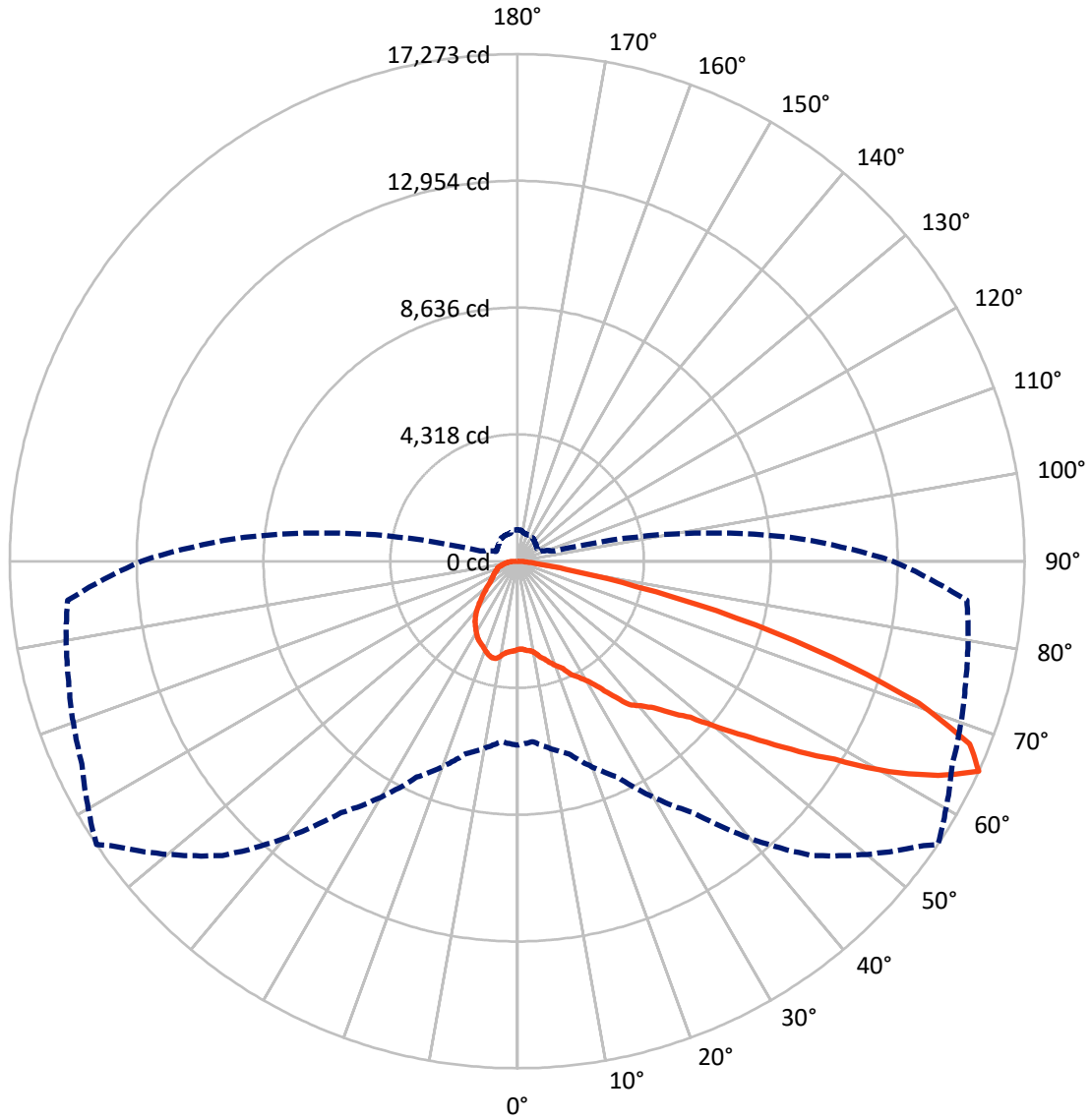
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5616.3	0.0	5616.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	19426.5	0.0	19426.5
	% Fixture	77.6	0.0	77.6
Total	Lumens	25042.8	0.0	25042.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.9	1.2
10°-20°	967.2	3.9
20°-30°	1722.2	6.9
30°-40°	2578.9	10.3
40°-50°	3821.0	15.3
50°-60°	5887.7	23.5
60°-70°	6665.6	26.6
70°-80°	2766.3	11.0
80°-90°	336.1	1.3
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°	25042.8	100.0
0°-180°	25042.8	100.0

Coefficient of Utilization

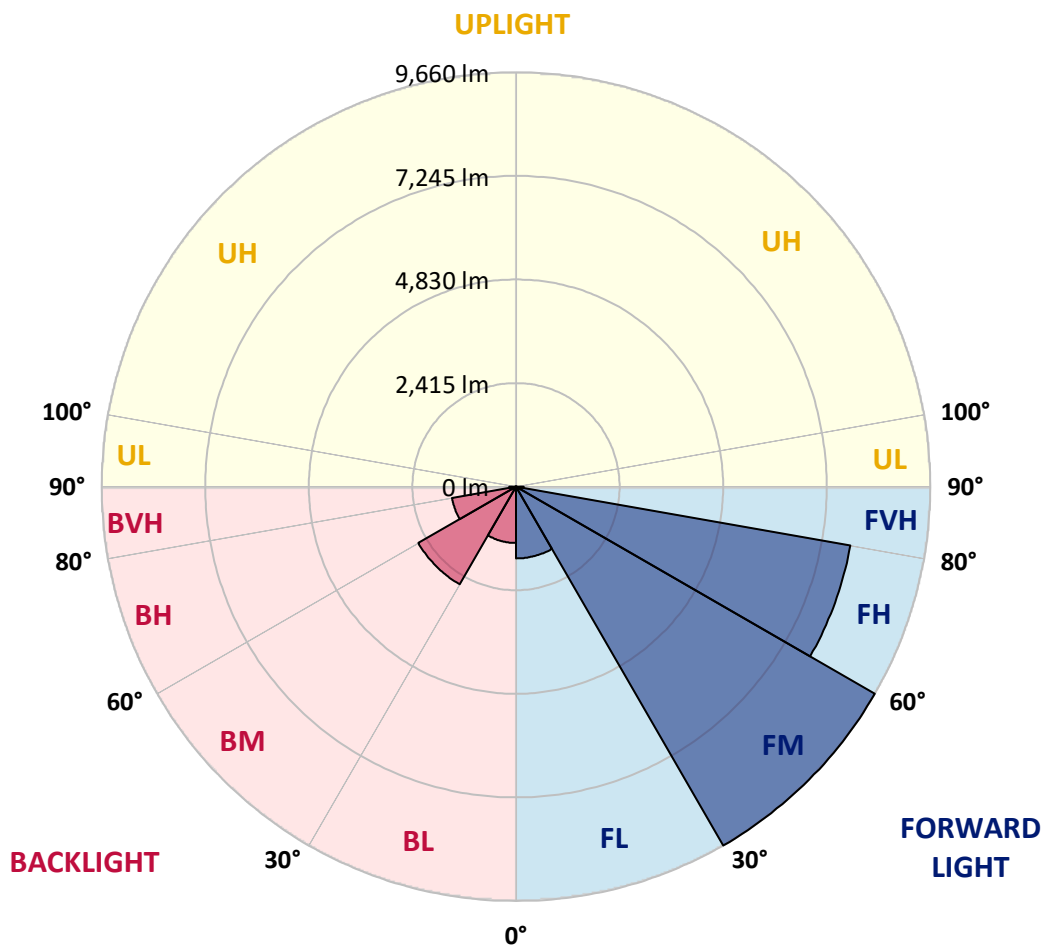


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.6	6.7			
FM (30°-60°)	9660.4	38.6			
FH (60°-80°)	7915.3	31.6			G4/12000
FVH (80°-90°)	177.3	0.7			G2/225
BL (0°-30°)	1313.7	5.2	B3/2500		
BM (30°-60°)	2627.2	10.5	B3/5000		
BH (60°-80°)	1516.6	6.1	B3/2500		G3/2500
BVH (80°-90°)	158.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9
2.5°	2927.2	2943.0	2932.5	2963.9	2990.1	2990.1	3011.1	2995.4	3016.3	3045.2
5°	3024.2	2961.3	2995.4	3011.1	3003.2	3016.3	2995.4	3047.8	3013.7	3068.8
7.5°	3047.8	3071.4	3100.2	3074.0	3097.6	3084.5	3087.1	3079.2	3060.9	3105.4
10°	3220.7	3186.7	3252.2	3212.9	3207.6	3202.4	3191.9	3152.6	3197.2	3199.8
12.5°	3419.9	3388.5	3385.8	3354.4	3396.3	3320.3	3336.1	3315.1	3323.0	3333.4
15°	3564.0	3550.9	3611.2	3574.5	3519.5	3485.4	3522.1	3464.5	3493.3	3488.0
17.5°	3849.7	3847.1	3802.5	3742.3	3710.8	3661.0	3653.1	3629.6	3650.5	3640.0
20°	4048.9	4077.7	4085.6	4014.8	3894.2	3839.2	3826.1	3807.8	3831.4	3823.5
22.5°	4352.9	4308.3	4342.4	4219.2	4174.7	4043.6	3996.5	3970.2	4082.9	4054.1
25°	4546.8	4594.0	4559.9	4518.0	4418.4	4255.9	4221.8	4279.5	4324.0	4292.6
27.5°	4984.4	4937.3	4905.8	4780.0	4714.5	4544.2	4504.9	4483.9	4494.4	4512.7
30°	5317.2	5343.5	5272.7	5183.6	5018.5	4845.5	4753.8	4735.5	4698.8	4667.3
32.5°	5791.6	5752.3	5710.3	5652.7	5511.2	5283.2	5194.1	5125.9	5015.9	4869.1
35°	6019.6	6132.3	6100.8	5946.2	5838.7	5752.3	5726.1	5621.2	5529.5	5298.9
37.5°	6399.6	6446.7	6402.2	6352.4	6302.6	6210.9	6179.4	6208.3	6027.4	5647.4
40°	6645.9	6745.5	6837.2	6698.3	6687.8	6706.2	6512.2	6478.2	6106.1	5906.9
42.5°	7149.1	7191.0	7209.3	7204.1	7264.4	7264.4	6894.9	6821.5	6556.8	6394.3
45°	7814.7	7848.8	7914.3	7961.5	7893.3	7927.4	7400.6	7371.8	7136.0	7104.5
47.5°	8391.2	8472.5	8619.2	8758.1	8847.2	8731.9	8155.4	7951.0	7890.7	8079.4
50°	8894.4	8797.4	9140.7	9282.2	9672.7	9864.0	8988.7	8907.5	8810.5	9172.2
52.5°	8944.2	9075.2	9560.0	9843.1	10647.6	11001.4	10010.8	9976.7	9858.8	10275.5
55°	9300.6	9284.9	9772.3	10385.5	11342.1	11936.9	11342.1	11321.1	11064.3	11460.0
57.5°	9240.3	9400.2	9785.4	10642.4	11968.4	12940.6	12885.6	12741.5	12382.4	12704.8
60°	9035.9	9077.8	9546.9	10634.5	12332.7	13970.5	14552.3	14581.1	13847.4	14104.2
62.5°	7877.6	7974.6	8569.4	9798.5	12073.2	14680.7	16179.7	16077.5	15490.5	15197.0
65°	6265.9	6168.9	6787.4	8116.1	10458.9	14177.6	16892.5	17272.5	16350.1	15812.8
67.5°	3841.8	3818.2	4413.1	5584.5	7825.2	12065.4	16323.9	16620.0	16111.6	15681.8
70°	1978.6	1918.3	2290.4	3115.9	4918.9	8852.5	14206.4	14497.3	14982.1	14064.9
72.5°	922.5	909.4	1108.5	1533.1	2505.3	5204.6	11001.4	11211.0	12233.1	11858.3
75°	542.5	550.3	663.0	801.9	1221.2	2452.9	7301.1	7707.3	8815.8	8545.9
77.5°	406.2	406.2	471.7	558.2	712.8	948.7	3603.4	4140.6	5154.8	4635.9
80°	298.8	304.0	361.6	419.3	495.3	490.1	1430.9	1677.2	2363.8	2020.5
82.5°	233.2	241.1	280.4	311.9	348.5	296.1	587.0	631.6	972.3	773.1
85°	162.5	167.7	220.1	212.3	212.3	165.1	243.7	256.8	385.2	366.9
87.5°	39.3	44.6	107.4	117.9	89.1	49.8	76.0	86.5	138.9	159.9
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3005.9	0°	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9
3058.3	2.5°	3019.0	3029.4	3074.0	3050.4	3063.5	3008.5	3053.0	3016.3	3047.8	3032.1
3081.9	5°	3102.8	3079.2	3105.4	3087.1	3087.1	3108.1	3139.5	3115.9	3163.1	3142.1
3100.2	7.5°	3136.9	3139.5	3155.2	3157.9	3144.7	3210.3	3212.9	3205.0	3249.6	3239.1
3226.0	10°	3220.7	3223.4	3252.2	3267.9	3254.8	3278.4	3252.2	3231.2	3228.6	3218.1
3325.6	12.5°	3354.4	3380.6	3375.4	3388.5	3391.1	3291.5	3231.2	3129.0	3115.9	3129.0
3472.3	15°	3477.6	3467.1	3472.3	3498.5	3388.5	3228.6	3121.2	3034.7	3039.9	3042.5
3663.6	17.5°	3624.3	3632.2	3640.0	3519.5	3317.7	3129.0	3034.7	3034.7	3008.5	3019.0
3797.3	20°	3792.0	3760.6	3692.5	3522.1	3194.5	3013.7	2984.9	2984.9	2953.4	2932.5
3941.4	22.5°	3923.1	3860.2	3758.0	3440.9	3084.5	2969.2	2898.4	2848.6	2811.9	2770.0
4101.3	25°	4006.9	3972.9	3773.7	3357.0	3003.2	2851.2	2746.4	2670.4	2623.2	2568.2
4227.1	27.5°	4135.3	4069.8	3818.2	3260.1	2914.1	2733.3	2570.8	2452.9	2363.8	2306.1
4418.4	30°	4308.3	4214.0	3786.8	3121.2	2777.9	2528.9	2337.6	2185.6	2083.4	2036.2
4599.2	32.5°	4449.8	4326.6	3760.6	2995.4	2625.9	2321.9	2067.7	1913.1	1855.4	1795.1
4903.2	35°	4719.7	4476.0	3742.3	2924.6	2489.6	2114.8	1847.5	1713.9	1640.5	1551.4
5084.0	37.5°	4926.8	4735.5	3697.7	2777.9	2314.0	1913.1	1679.8	1559.3	1449.2	1354.9
5503.3	40°	5251.7	5097.1	3700.3	2570.8	2107.0	1740.1	1548.8	1423.0	1284.1	1202.9
6124.4	42.5°	5862.3	5453.5	3716.0	2405.7	1873.7	1598.6	1430.9	1281.5	1142.6	1074.5
6832.0	45°	6611.8	5943.6	3619.1	2256.4	1635.3	1464.9	1289.3	1140.0	1050.9	1001.1
7793.7	47.5°	7474.0	6423.1	3488.0	1976.0	1436.1	1323.4	1158.3	1071.8	1006.3	977.5
9033.3	50°	8438.4	7109.8	3451.4	1719.1	1281.5	1202.9	1095.4	1029.9	985.4	951.3
10430.1	52.5°	9680.6	7909.0	3378.0	1454.4	1147.8	1105.9	1071.8	1027.3	988.0	959.1
11732.5	55°	10867.7	8794.8	3299.4	1236.9	1053.5	1058.7	1077.1	1037.8	1003.7	959.1
13192.2	57.5°	12204.2	9698.9	3008.5	1077.1	982.7	1035.1	1071.8	1027.3	993.2	959.1
14686.0	60°	13029.7	10207.3	2439.8	938.2	919.8	990.6	1040.4	993.2	956.5	969.6
15372.6	62.5°	13365.2	9940.0	1839.7	851.7	875.3	930.3	990.6	972.3	946.0	995.8
15364.7	65°	12793.9	9324.2	1315.6	778.3	815.0	870.0	946.0	967.0	974.9	1071.8
14112.1	67.5°	11384.0	8118.7	967.0	718.1	752.1	833.4	977.5	1011.6	1006.3	1126.9
11842.6	70°	9109.3	6349.8	754.7	668.3	728.5	862.2	1022.0	1022.0	985.4	1126.9
9033.3	72.5°	6627.6	4476.0	649.9	610.6	668.3	791.4	1016.8	1014.2	967.0	1029.9
5752.3	75°	4012.2	2604.9	573.9	553.0	573.9	678.7	972.3	956.5	891.0	885.8
2767.4	77.5°	1999.5	1310.3	469.1	490.1	500.5	568.7	854.3	877.9	788.8	767.8
1092.8	80°	843.8	571.3	390.5	421.9	421.9	479.6	710.2	725.9	655.2	615.8
432.4	82.5°	385.2	327.6	332.8	366.9	343.3	372.1	563.4	581.8	532.0	466.5
183.4	85°	162.5	186.1	254.2	288.3	254.2	241.1	387.9	408.8	345.9	288.3
78.6	87.5°	73.4	102.2	159.9	209.6	128.4	112.7	207.0	214.9	173.0	128.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
3005.9
3003.2
3113.3
3223.4
3218.1
3134.3
3079.2
3021.6
2901.0
2746.4
2578.7
2332.4
2062.4
1792.5
1543.5
1357.5
1210.7
1079.7
1011.6
972.3
956.5
956.5
956.5
956.5
959.1
982.7
1071.8
1134.7
1103.3
993.2
875.3
754.7
602.7
456.0
290.9
120.5
0.0

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