

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: P849358

Luminaire Tested: **GLAN-SB6B-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849358  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28292 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

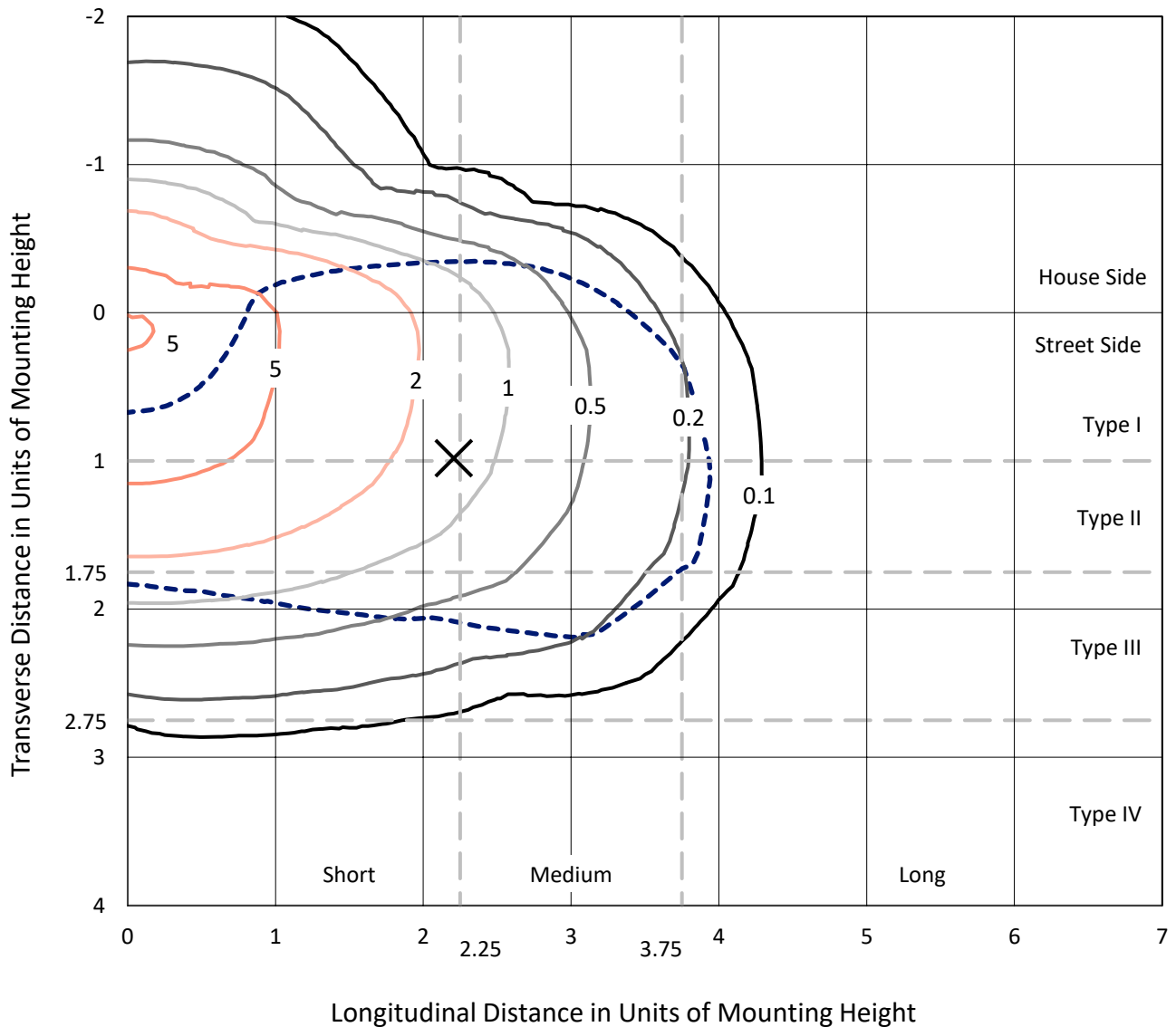
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

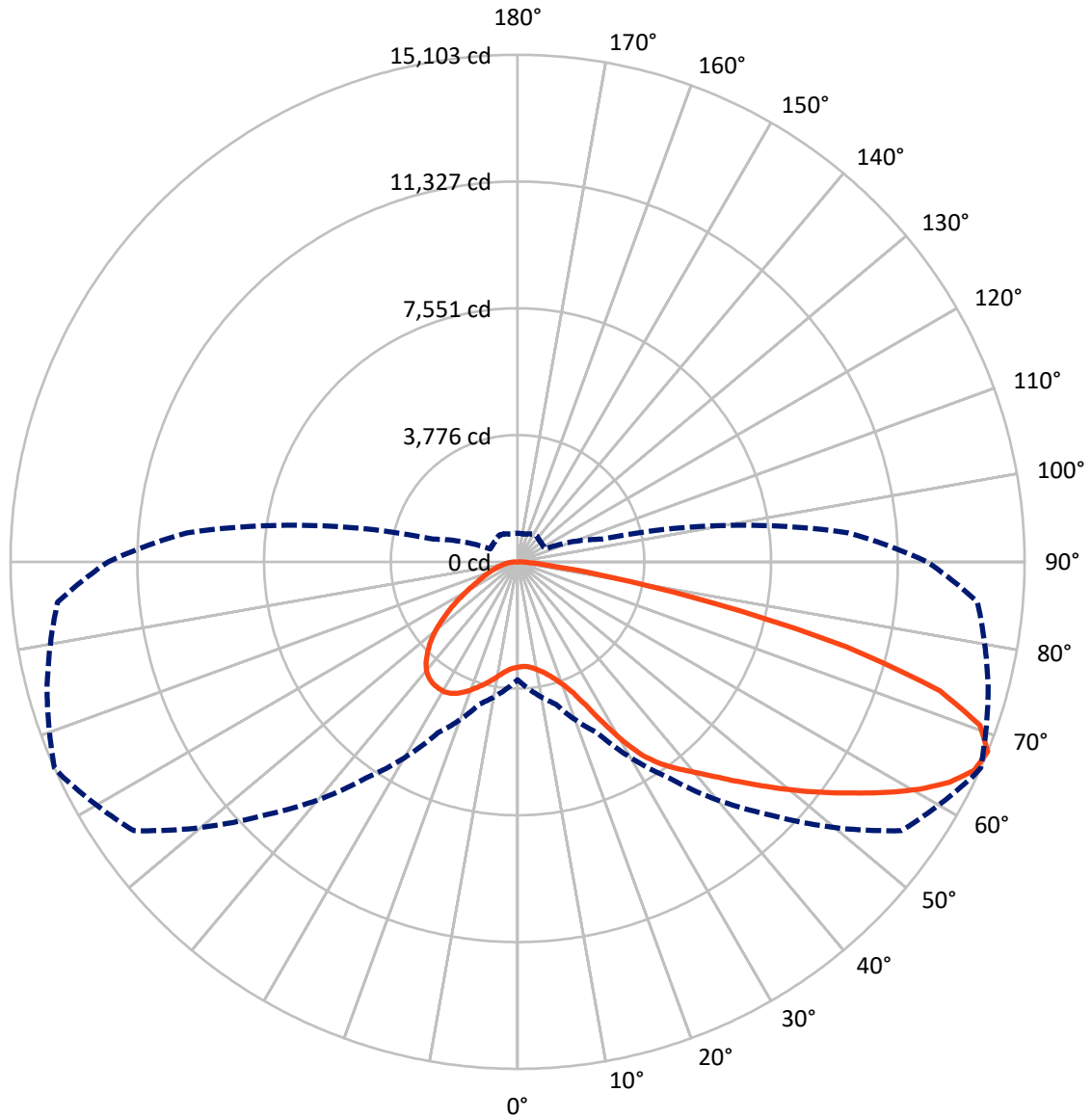
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7034.7	0.0	7034.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	21257.3	0.0	21257.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	28292.0	0.0	28292.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.1	1.1
10°-20°	1027.9	3.6
20°-30°	1981.2	7.0
30°-40°	3473.8	12.3
40°-50°	5164.3	18.3
50°-60°	6546.3	23.1
60°-70°	6405.4	22.6
70°-80°	3055.4	10.8
80°-90°	326.5	1.2
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°	28292.0	100.0
0°-180°	28292.0	100.0

**Coefficient of Utilization**



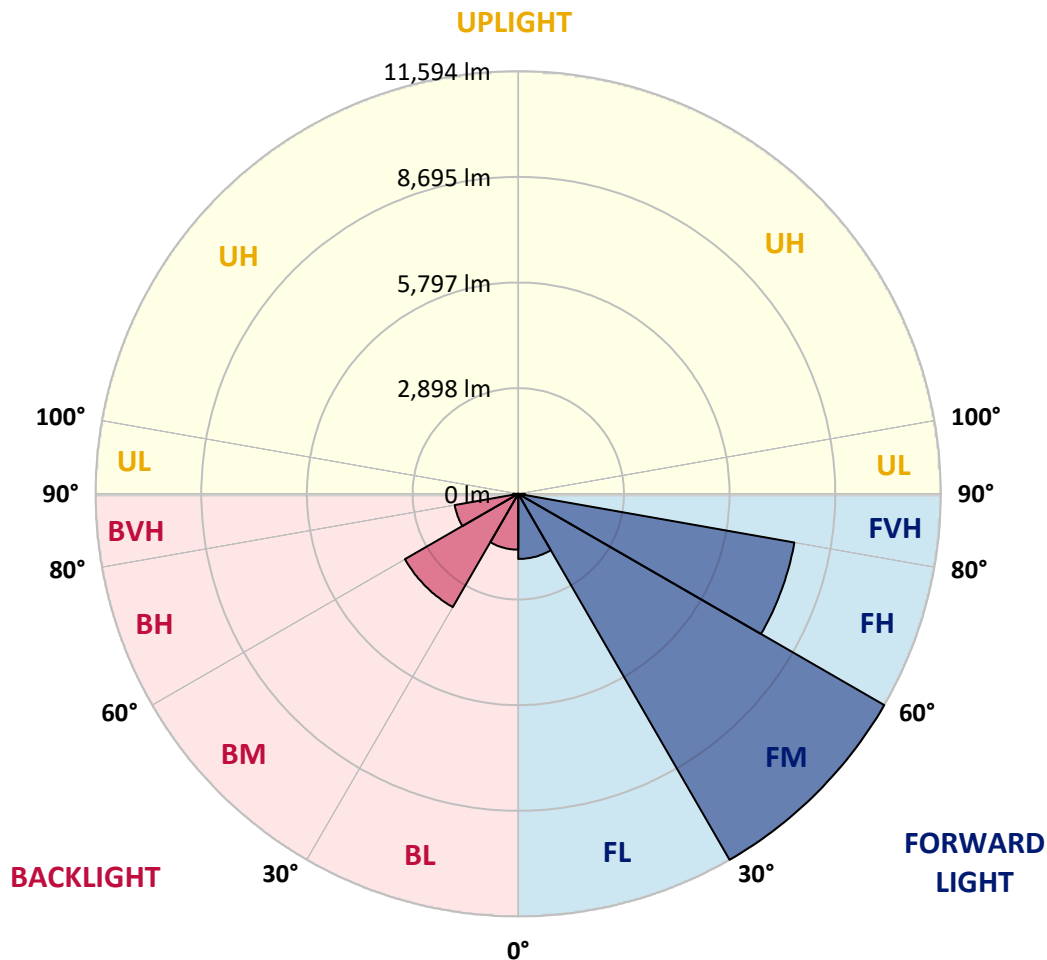
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1787.8	6.3			
FM (30°-60°)	11593.8	41.0			
FH (60°-80°)	7690.5	27.2			G4/12000
FVH (80°-90°)	185.1	0.7			G2/225
BL (0°-30°)	1532.4	5.4	B3/2500		
BM (30°-60°)	3590.6	12.7	B3/5000		
BH (60°-80°)	1770.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	141.4	0.5			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°	65°	66°	75°
0°	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0
2.5°	3105.3	3123.1	3118.6	3111.2	3109.7	3112.7	3117.1	3121.6	3120.1	3127.6
5°	3096.3	3114.2	3112.7	3112.7	3118.6	3130.5	3138.0	3145.4	3138.0	3146.9
7.5°	3102.3	3115.7	3121.6	3127.6	3142.4	3164.7	3182.6	3198.9	3190.0	3200.4
10°	3178.1	3188.5	3194.4	3194.4	3204.8	3230.1	3248.0	3277.7	3270.3	3286.6
12.5°	3316.3	3326.7	3326.7	3320.8	3328.2	3344.6	3350.5	3383.2	3369.8	3396.6
15°	3485.8	3506.6	3490.3	3479.8	3482.8	3499.2	3497.7	3523.0	3509.6	3531.9
17.5°	3673.1	3699.8	3673.1	3671.6	3665.7	3683.5	3685.0	3707.3	3683.5	3699.8
20°	3894.6	3931.7	3909.4	3916.9	3903.5	3910.9	3918.4	3951.1	3913.9	3925.8
22.5°	4206.7	4251.3	4227.5	4255.8	4246.9	4240.9	4239.4	4297.4	4239.4	4243.9
25°	4661.6	4715.1	4673.5	4712.1	4712.1	4731.5	4753.8	4828.1	4731.5	4703.2
27.5°	5333.5	5387.0	5305.2	5329.0	5321.6	5369.2	5345.4	5529.7	5425.6	5379.6
30°	6142.1	6237.3	6082.7	6076.7	6069.3	6145.1	6179.3	6301.2	6195.6	6149.6
32.5°	7016.2	7115.8	6931.5	6877.9	6849.7	6895.8	6867.5	6965.6	6892.8	6821.5
35°	7940.8	8038.9	7863.5	7759.4	7646.4	7549.8	7448.7	7474.0	7405.6	7297.1
37.5°	8814.8	8994.7	8808.9	8697.4	8489.3	8300.5	8018.1	7900.6	7836.7	7737.1
40°	9705.2	9807.8	9666.6	9571.4	9345.5	9049.7	8597.8	8349.6	8263.3	8166.7
42.5°	10360.8	10458.9	10383.1	10317.6	10140.8	9797.4	9213.2	8902.5	8777.7	8669.1
45°	10881.0	10953.9	10906.3	10930.1	10854.3	10521.3	9850.9	9495.6	9366.3	9234.0
47.5°	11090.6	11167.9	11243.7	11384.9	11514.3	11269.0	10536.2	10137.8	10001.0	9865.8
50°	11066.8	11145.6	11365.6	11665.9	12067.2	11985.5	11258.6	10821.6	10695.2	10540.6
52.5°	10876.6	10965.8	11248.2	11747.6	12386.8	12522.1	11994.4	11527.6	11408.7	11224.4
55°	10377.1	10430.6	10854.3	11561.8	12462.6	12896.7	12715.3	12279.8	12160.9	11903.7
57.5°	9451.0	9528.3	10145.2	11060.9	12272.4	13150.9	13348.6	13070.6	12956.1	12586.0
60°	8242.5	8365.9	9072.0	10219.5	11787.8	13149.4	13923.8	13848.0	13752.9	13257.9
62.5°	6875.0	7017.7	7697.0	9030.4	10940.5	12776.3	14283.6	14499.1	14450.1	13877.8
65°	5280.0	5378.1	6054.4	7491.9	9622.0	11975.1	14325.2	14943.6	14952.5	14349.0
67.5°	3515.5	3798.0	4385.1	5621.9	7856.0	10665.5	13959.5	15016.4	15102.6	14511.0
70°	1715.4	2087.0	2662.3	3653.8	5621.9	8657.3	13003.7	14418.8	14610.6	14038.3
72.5°	712.0	832.4	1146.1	1803.1	3227.1	5841.9	11083.2	12798.6	13153.9	12438.9
75°	480.1	520.3	655.5	924.6	1470.1	2880.8	7992.8	9543.2	10115.5	9394.5
77.5°	370.1	395.4	477.2	646.6	874.0	1089.6	4278.1	5751.2	6047.0	5598.1
80°	291.3	310.7	356.8	471.2	619.9	582.7	1458.2	2605.8	2776.7	2329.3
82.5°	252.7	260.1	255.7	319.6	411.8	340.4	478.6	961.8	1061.3	770.0
85°	182.8	203.6	212.6	197.7	218.5	172.4	196.2	340.4	374.6	334.5
87.5°	74.3	110.0	135.3	127.8	80.3	49.1	60.9	99.6	114.5	124.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849358  
 CATALOG NUMBER: GLAN-SB6B-835-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3138.0	0°	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0	3138.0
3139.4	2.5°	3140.9	3151.3	3158.8	3167.7	3173.6	3182.6	3200.4	3210.8	3212.3	3219.7
3163.2	5°	3169.2	3184.0	3200.4	3224.2	3250.9	3273.2	3307.4	3331.2	3340.1	3347.6
3221.2	7.5°	3230.1	3250.9	3280.7	3322.3	3360.9	3390.7	3432.3	3460.5	3488.8	3499.2
3313.4	10°	3320.8	3350.5	3393.6	3450.1	3491.7	3530.4	3573.5	3597.3	3625.5	3637.4
3423.4	12.5°	3433.8	3465.0	3521.5	3600.3	3638.9	3665.7	3680.5	3674.6	3680.5	3690.9
3555.7	15°	3563.1	3597.3	3661.2	3745.9	3772.7	3748.9	3716.2	3686.5	3682.0	3685.0
3716.2	17.5°	3716.2	3741.5	3815.8	3887.1	3867.8	3769.7	3698.4	3650.8	3627.0	3619.6
3921.3	20°	3930.2	3930.2	3991.2	4035.8	3906.5	3740.0	3628.5	3551.2	3502.1	3481.3
4200.8	22.5°	4190.4	4166.6	4205.2	4174.0	3899.0	3656.7	3502.1	3368.4	3294.0	3264.3
4591.7	25°	4520.4	4492.1	4481.7	4288.5	3845.5	3524.4	3273.2	3111.2	3045.8	3029.4
5155.1	27.5°	5018.4	4947.0	4811.7	4350.9	3747.4	3316.3	3005.7	2855.5	2818.4	2819.9
5879.0	30°	5681.3	5538.6	5207.1	4361.3	3586.9	3022.0	2732.1	2625.1	2607.3	2614.7
6487.0	32.5°	6295.2	6160.0	5611.5	4313.8	3340.1	2733.6	2486.9	2415.5	2388.8	2397.7
6950.8	35°	6776.9	6739.7	5986.1	4246.9	3036.9	2463.1	2266.9	2205.9	2153.9	2142.0
7387.8	37.5°	7231.7	7216.9	6267.0	4153.2	2736.6	2271.3	2090.0	2009.7	1933.9	1892.3
7870.9	40°	7731.2	7716.3	6451.3	4009.0	2470.5	2104.9	1930.9	1825.4	1731.7	1655.9
8417.9	42.5°	8293.1	8205.4	6539.0	3802.4	2244.6	1963.6	1801.6	1658.9	1535.5	1465.7
9036.3	45°	8907.0	8709.3	6537.5	3539.3	2054.3	1834.3	1663.4	1461.2	1346.7	1281.3
9671.0	47.5°	9558.1	9190.9	6457.3	3248.0	1870.0	1691.6	1449.3	1294.7	1218.9	1178.8
10360.8	50°	10229.9	9641.3	6320.5	2913.5	1681.2	1529.6	1315.5	1210.0	1152.0	1114.9
11044.5	52.5°	10861.7	10050.1	6155.5	2534.4	1489.5	1372.0	1256.1	1174.3	1113.4	1071.8
11707.5	55°	11448.9	10402.4	5922.1	2146.5	1333.4	1266.5	1227.8	1159.5	1089.6	1040.5
12380.9	57.5°	11970.6	10631.3	5519.3	1782.3	1221.9	1193.6	1198.1	1134.2	1053.9	1012.3
13043.9	60°	12404.7	10799.3	4923.2	1444.9	1131.2	1122.3	1152.0	1086.6	993.0	945.4
13604.3	62.5°	12664.8	10796.3	4191.9	1183.2	1053.9	1056.9	1091.1	1027.2	932.0	887.4
13897.1	65°	12642.5	10531.7	3389.2	1012.3	979.6	982.6	1027.2	961.8	881.5	854.7
13749.9	67.5°	12195.1	9886.6	2599.9	900.8	897.8	911.2	963.2	917.2	850.3	847.3
12872.9	70°	10983.6	8547.3	1873.0	811.6	813.1	832.4	900.8	888.9	833.9	839.9
10823.1	72.5°	8807.4	6516.7	1257.6	718.0	719.5	750.7	841.3	866.6	817.6	896.3
7679.1	75°	5865.6	4064.0	808.6	618.4	619.9	660.0	789.3	823.5	773.0	893.4
3995.7	77.5°	2818.4	1826.9	585.7	520.3	520.3	557.4	682.3	737.3	658.5	694.2
1284.3	80°	973.6	686.8	460.8	419.2	410.3	435.5	575.3	639.2	567.8	523.2
419.2	82.5°	383.5	356.8	370.1	325.5	295.8	312.2	447.4	527.7	417.7	377.6
236.4	85°	220.0	231.9	261.6	215.5	170.9	191.8	328.5	379.1	315.1	278.0
77.3	87.5°	59.5	81.8	120.4	111.5	77.3	81.8	156.1	209.6	181.4	139.7
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



180°
3138.0
3218.2
3346.1
3500.7
3643.4
3693.9
3695.4
3630.0
3476.9
3259.8
3032.4
2824.3
2640.0
2409.6
2150.9
1893.8
1663.4
1470.1
1278.4
1169.9
1101.5
1053.9
1021.2
985.5
924.6
874.0
853.2
851.8
838.4
908.2
900.8
636.2
490.5
376.1
283.9
144.2
0.0

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