

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: P849173

Luminaire Tested: **GLAN-SB6A-830-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23153 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

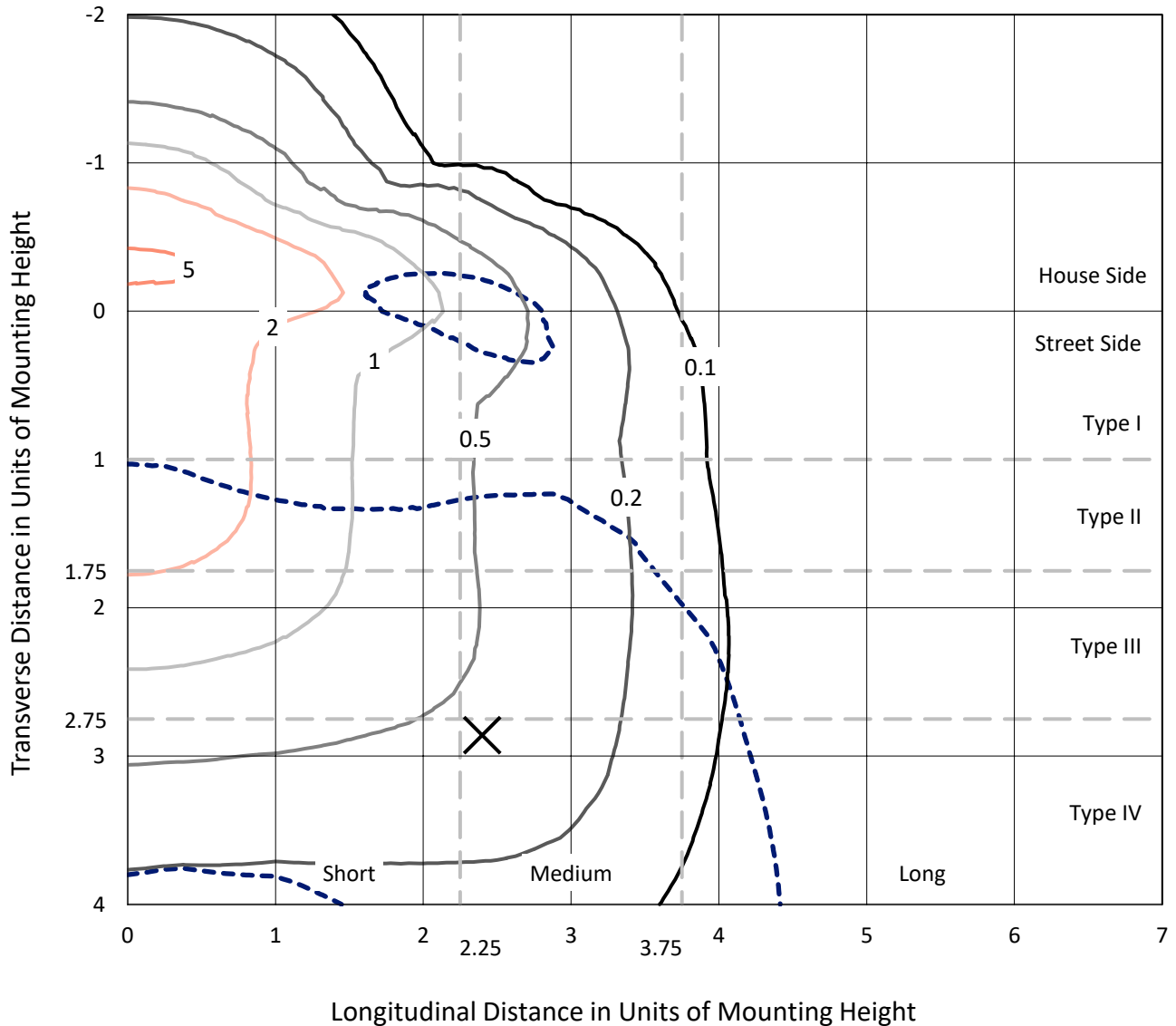
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

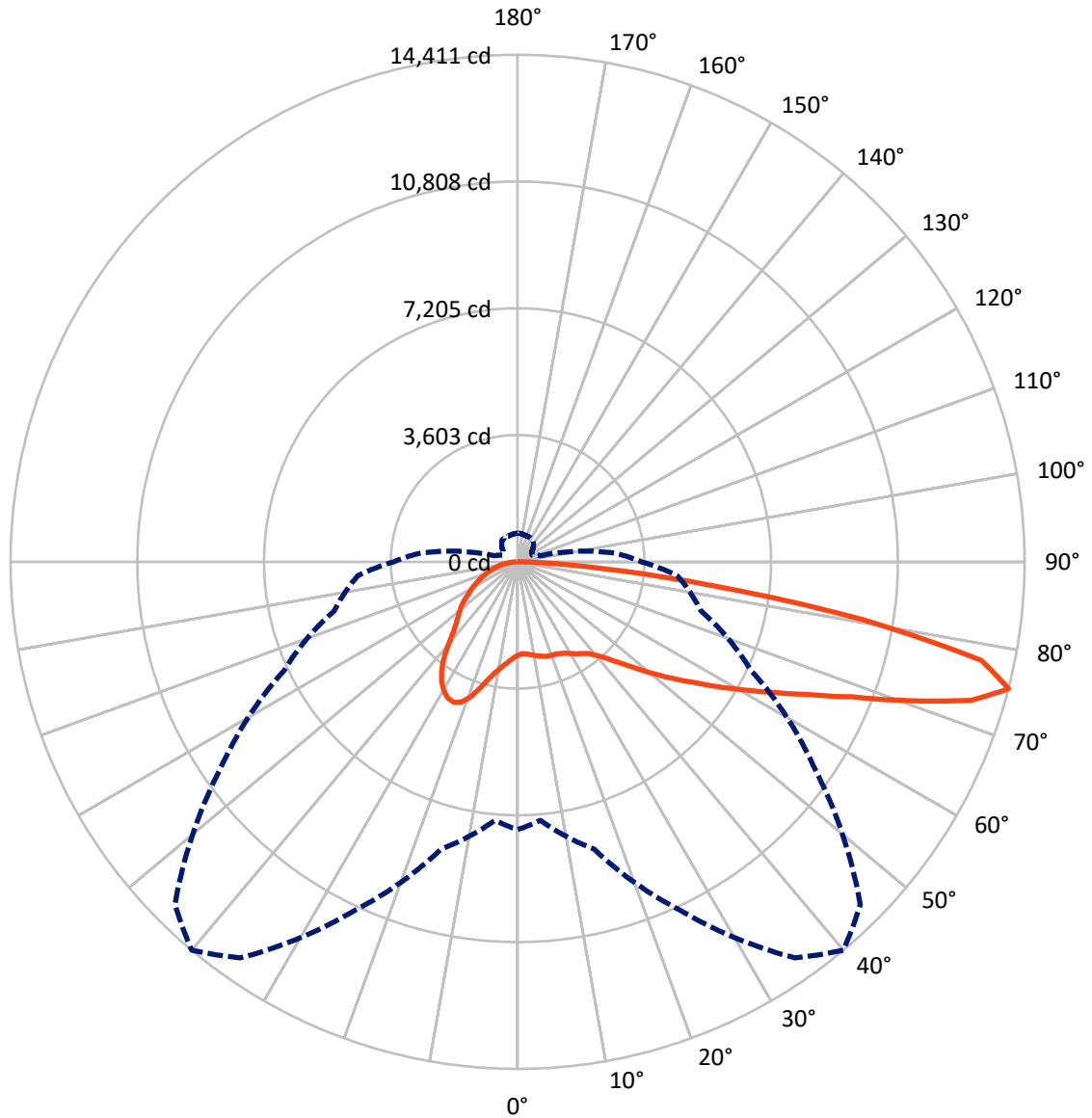
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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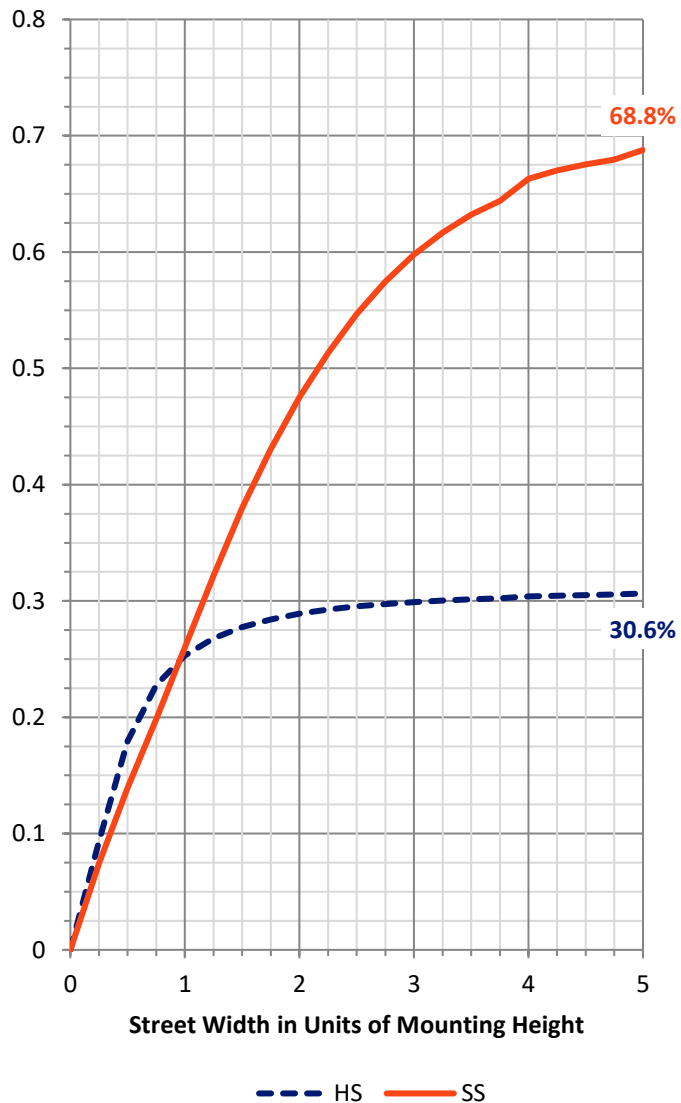
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7173.6	0.0	7173.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	15979.4	0.0	15979.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	23153.0	0.0	23153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.3	1.1
10°-20°	887.3	3.8
20°-30°	1620.1	7.0
30°-40°	2297.8	9.9
40°-50°	3102.7	13.4
50°-60°	4174.0	18.0
60°-70°	5297.8	22.9
70°-80°	4808.1	20.8
80°-90°	700.9	3.0
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°	23153.0	100.0
0°-180°	23153.0	100.0

Coefficient of Utilization

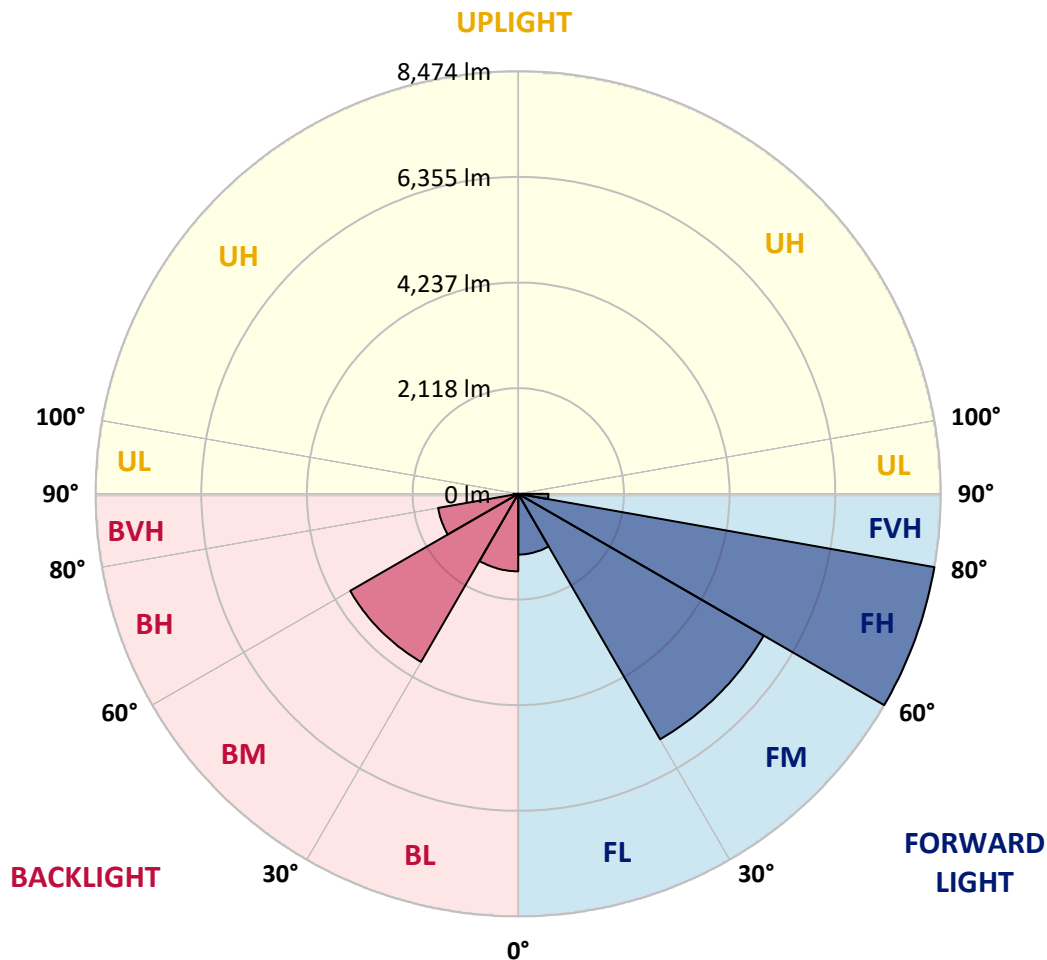


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1217.9	5.3			
FM (30°-60°)	5683.5	24.5			
FH (60°-80°)	8473.6	36.6			G4/12000
FVH (80°-90°)	604.4	2.6			G4/750
BL (0°-30°)	1553.9	6.7	B3/2500		
BM (30°-60°)	3891.0	16.8	B3/5000		
BH (60°-80°)	1632.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	96.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6
2.5°	2607.1	2621.8	2618.1	2613.2	2613.2	2614.4	2613.2	2621.8	2630.4	2639.0
5°	2634.1	2648.8	2641.4	2635.3	2630.4	2629.2	2625.5	2624.2	2629.2	2640.2
7.5°	2686.9	2701.6	2690.6	2679.5	2669.7	2664.8	2659.9	2652.5	2648.8	2654.9
10°	2745.8	2760.6	2747.0	2727.4	2711.4	2705.3	2700.4	2693.0	2688.1	2691.8
12.5°	2804.8	2819.5	2801.1	2774.1	2753.2	2749.5	2743.4	2740.9	2739.7	2738.4
15°	2860.0	2872.3	2849.0	2817.0	2794.9	2788.8	2782.7	2786.3	2792.5	2799.8
17.5°	2903.0	2915.3	2880.9	2839.1	2818.3	2815.8	2812.1	2824.4	2841.6	2860.0
20°	2942.3	2954.6	2910.4	2853.9	2829.3	2829.3	2830.5	2856.3	2880.9	2907.9
22.5°	2997.6	3007.4	2953.3	2876.0	2840.4	2842.8	2852.7	2878.4	2909.1	2946.0
25°	3079.8	3087.2	3020.9	2917.7	2877.2	2884.6	2893.2	2905.5	2934.9	2977.9
27.5°	3212.5	3218.6	3131.4	2991.4	2930.0	2942.3	2954.6	2946.0	2959.5	2996.3
30°	3399.1	3402.8	3292.3	3106.8	3019.7	3025.8	3028.3	2992.6	2966.9	2996.3
32.5°	3620.2	3618.9	3487.5	3246.8	3121.6	3115.4	3094.6	3024.6	2964.4	2990.2
35°	3962.8	3949.3	3779.8	3443.3	3237.0	3199.0	3149.8	3060.2	2976.7	2984.0
37.5°	4530.1	4488.4	4253.8	3765.1	3408.9	3311.9	3239.5	3117.9	3003.7	2981.6
40°	5169.9	5117.1	4859.2	4205.9	3666.8	3510.9	3394.2	3200.2	3047.9	2992.6
42.5°	5928.8	5853.9	5576.4	4725.4	3993.5	3767.5	3591.9	3304.6	3113.0	3028.3
45°	6860.9	6761.4	6368.4	5311.1	4404.8	4104.0	3869.4	3463.0	3212.5	3097.0
47.5°	7802.7	7827.3	7268.6	5981.6	4898.5	4519.1	4217.0	3701.2	3357.4	3207.5
50°	8803.6	8820.8	8163.8	6724.5	5458.5	4988.2	4607.5	3967.7	3558.8	3364.7
52.5°	9584.6	9587.0	8976.7	7501.9	6041.8	5503.9	5028.7	4272.2	3792.1	3573.5
55°	10073.3	10067.2	9546.5	8237.5	6712.3	6045.5	5495.3	4618.5	4077.0	3819.1
57.5°	10428.2	10409.8	9939.5	8869.9	7427.0	6685.3	6023.4	5011.5	4413.4	4111.4
60°	10563.3	10552.2	10205.9	9416.3	8178.5	7392.6	6632.4	5451.1	4795.4	4456.4
62.5°	10614.9	10635.7	10467.5	9945.6	8982.8	8176.0	7301.7	5976.7	5225.2	4846.9
65°	10796.6	10834.7	10800.3	10638.2	9891.6	9093.4	8189.6	6601.7	5694.3	5265.7
67.5°	11156.4	11194.5	11209.2	11467.1	11001.7	10236.6	9297.2	7380.3	6243.2	5700.4
70°	11147.8	11136.8	11397.1	12126.5	12391.8	11819.5	10790.5	8338.1	6897.7	6061.4
72.5°	10147.0	10058.6	10673.8	12119.2	13548.6	13472.4	12614.1	9573.5	7462.6	6105.6
75°	7612.4	7376.6	8463.4	10921.9	13741.4	14410.6	13773.3	10339.8	7328.7	5394.6
77.5°	3255.4	3018.4	4299.2	8085.2	12298.5	13471.2	12709.8	9020.9	5850.2	3567.4
80°	852.2	851.0	1299.2	3665.6	8363.9	9948.1	8727.4	5825.7	3342.6	1274.7
82.5°	352.4	343.8	477.7	1425.7	4086.8	5582.5	4555.9	2598.5	1207.1	345.1
85°	131.4	130.2	232.1	492.4	1441.7	2302.5	1666.4	664.4	300.9	168.2
87.5°	36.8	35.6	50.3	170.7	351.2	533.0	284.9	109.3	84.7	66.3
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°
2647.6	0°	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6	2647.6
2652.5	2.5°	2656.2	2662.3	2673.4	2682.0	2693.0	2705.3	2722.5	2733.5	2744.6	2752.0
2658.6	5°	2667.2	2680.7	2709.0	2737.2	2770.4	2801.1	2836.7	2862.5	2883.4	2889.5
2680.7	7.5°	2691.8	2713.9	2761.8	2809.7	2862.5	2912.8	2964.4	3008.6	3044.2	3057.7
2720.0	10°	2734.8	2764.2	2831.8	2899.3	2969.3	3046.7	3113.0	3176.8	3227.2	3248.1
2766.7	12.5°	2788.8	2825.6	2914.1	3007.4	3104.4	3211.2	3297.2	3375.8	3438.4	3466.7
2831.8	15°	2858.8	2906.7	3019.7	3144.9	3287.4	3436.0	3545.2	3632.4	3702.4	3736.8
2899.3	17.5°	2934.9	2998.8	3141.2	3330.3	3534.2	3729.4	3857.2	3921.0	3993.5	4026.6
2961.9	20°	3008.6	3087.2	3291.1	3566.1	3837.5	4045.0	4148.2	4165.4	4170.3	4174.0
3020.9	22.5°	3084.7	3190.4	3478.9	3863.3	4154.3	4298.0	4312.7	4239.1	4135.9	4088.0
3078.6	25°	3168.3	3308.2	3724.5	4191.2	4427.0	4444.1	4331.2	4151.9	3956.6	3867.0
3125.3	27.5°	3249.3	3444.6	4019.3	4504.3	4623.4	4472.4	4229.2	3975.0	3739.3	3644.7
3158.4	30°	3330.3	3600.5	4344.7	4778.2	4713.1	4402.4	4068.4	3784.7	3547.7	3448.2
3187.9	32.5°	3412.6	3782.3	4719.2	4975.9	4697.1	4253.8	3868.2	3571.0	3362.3	3257.9
3213.7	35°	3506.0	4005.7	5074.1	5083.9	4590.3	4035.2	3604.2	3315.6	3133.9	3050.4
3244.4	37.5°	3627.5	4289.4	5387.3	5111.0	4403.6	3714.7	3276.3	3013.5	2863.7	2825.6
3289.8	40°	3778.6	4630.8	5626.7	5068.0	4127.3	3325.4	2917.7	2707.7	2623.0	2631.6
3351.2	42.5°	3975.0	5012.7	5795.0	4957.5	3743.0	2923.9	2603.4	2510.0	2550.6	2584.9
3443.3	45°	4230.5	5409.4	5899.3	4769.6	3308.2	2583.7	2417.9	2440.0	2470.7	2474.4
3591.9	47.5°	4557.1	5810.9	5968.1	4485.9	2864.9	2344.3	2300.1	2305.0	2298.8	2273.0
3814.2	50°	4964.8	6201.4	6029.5	4110.1	2487.9	2194.4	2135.5	2118.3	2033.6	1950.1
4110.1	52.5°	5429.0	6560.0	6055.3	3643.5	2194.4	2069.2	1973.4	1865.3	1706.9	1681.1
4482.2	55°	5944.8	6891.6	5989.0	3070.0	1947.6	1908.3	1763.4	1633.2	1616.1	1593.9
4972.2	57.5°	6561.2	7248.9	5853.9	2430.2	1694.6	1720.4	1579.2	1593.9	1563.2	1528.9
5602.2	60°	7235.4	7618.5	5616.9	1846.9	1433.1	1485.9	1531.3	1530.1	1521.5	1493.3
6266.5	62.5°	7842.0	7861.7	5150.2	1414.7	1203.4	1304.1	1428.2	1426.9	1419.6	1403.6
6960.3	65°	8203.1	7824.8	4371.7	1113.8	1014.3	1154.3	1288.2	1298.0	1299.2	1298.0
7482.2	67.5°	8139.2	7393.8	3303.3	886.6	858.4	1002.1	1149.4	1162.9	1172.7	1175.2
7548.5	70°	7417.1	6447.0	2153.9	707.3	719.6	868.2	1018.0	1031.5	1040.1	1049.9
6550.2	72.5°	5781.4	4740.1	1232.9	572.2	598.0	752.8	887.8	903.8	908.7	927.1
4558.4	75°	3523.1	2787.6	665.6	450.7	491.2	643.5	758.9	777.3	785.9	808.0
2238.7	77.5°	1675.0	1207.1	379.5	351.2	395.4	525.6	641.0	661.9	638.6	650.8
617.7	80°	566.1	448.2	239.5	267.7	302.1	410.2	513.3	534.2	485.1	482.6
205.1	82.5°	197.7	181.7	152.3	178.1	195.3	293.5	388.0	415.1	361.0	359.8
92.1	85°	77.4	73.7	84.7	97.0	116.7	180.5	255.4	268.9	222.3	179.3
27.0	87.5°	16.0	17.2	20.9	22.1	35.6	62.6	92.1	113.0	89.6	76.1
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>
2647.6
2747.0
2891.9
3059.0
3249.3
3466.7
3734.4
4025.4
4183.8
4101.5
3880.5
3655.8
3459.3
3271.4
3068.8
2852.7
2661.1
2616.9
2499.0
2292.7
1961.1
1689.7
1597.6
1522.7
1483.4
1397.5
1298.0
1177.7
1054.9
934.5
<i>810.5</i>
641.0
477.7
342.6
176.8
70.0
0.0

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