

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: P848693

Luminaire Tested: **GLAN-SB5B-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848693
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-SB5B-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24211 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

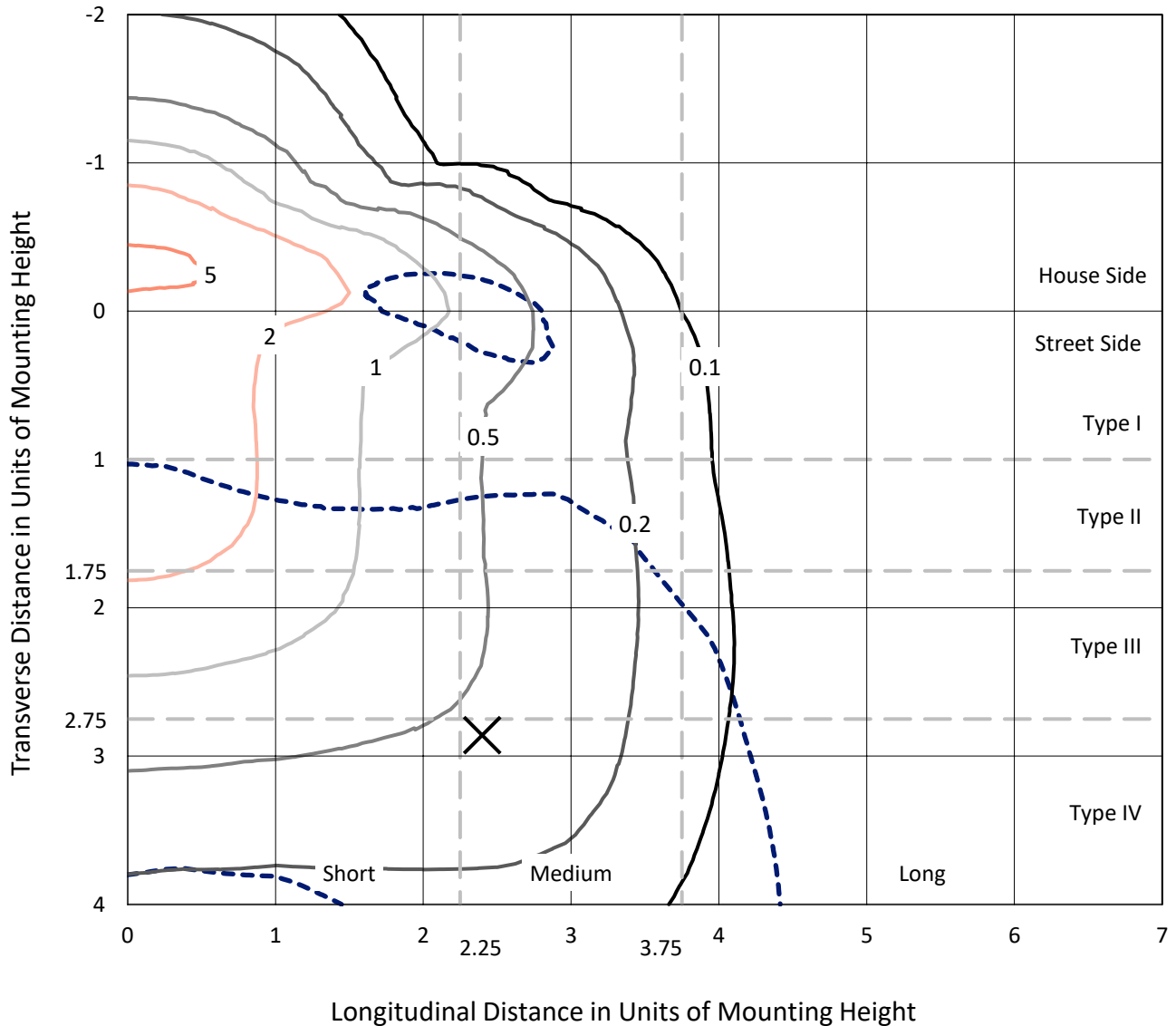
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

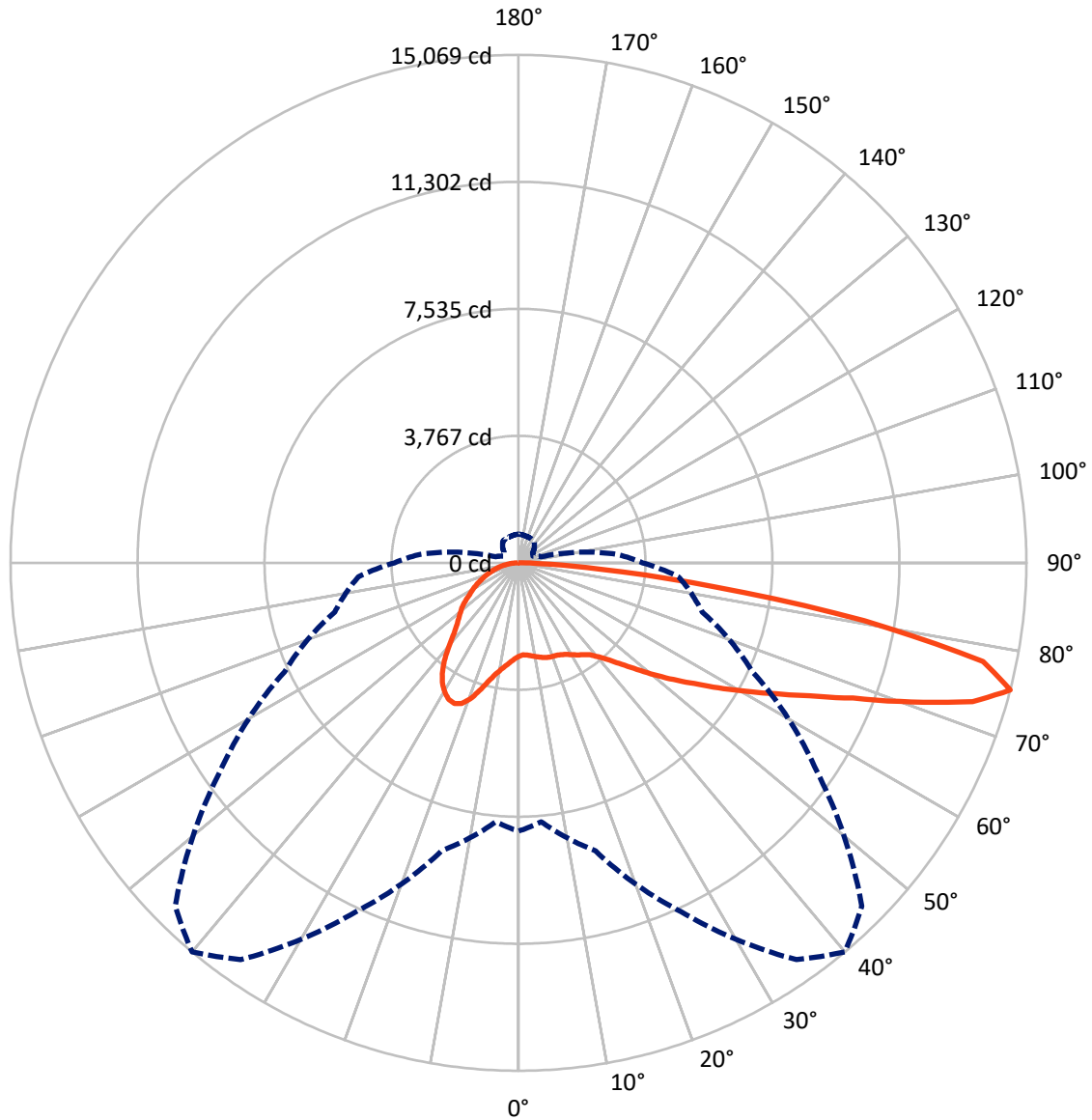
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	7501.4	0.0	7501.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	16709.6	0.0	16709.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	24211.0	0.0	24211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.4	1.1
10°-20°	927.9	3.8
20°-30°	1694.2	7.0
30°-40°	2402.8	9.9
40°-50°	3244.5	13.4
50°-60°	4364.7	18.0
60°-70°	5539.9	22.9
70°-80°	5027.8	20.8
80°-90°	732.9	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°	24211.0	100.0
0°-180°	24211.0	100.0

Coefficient of Utilization

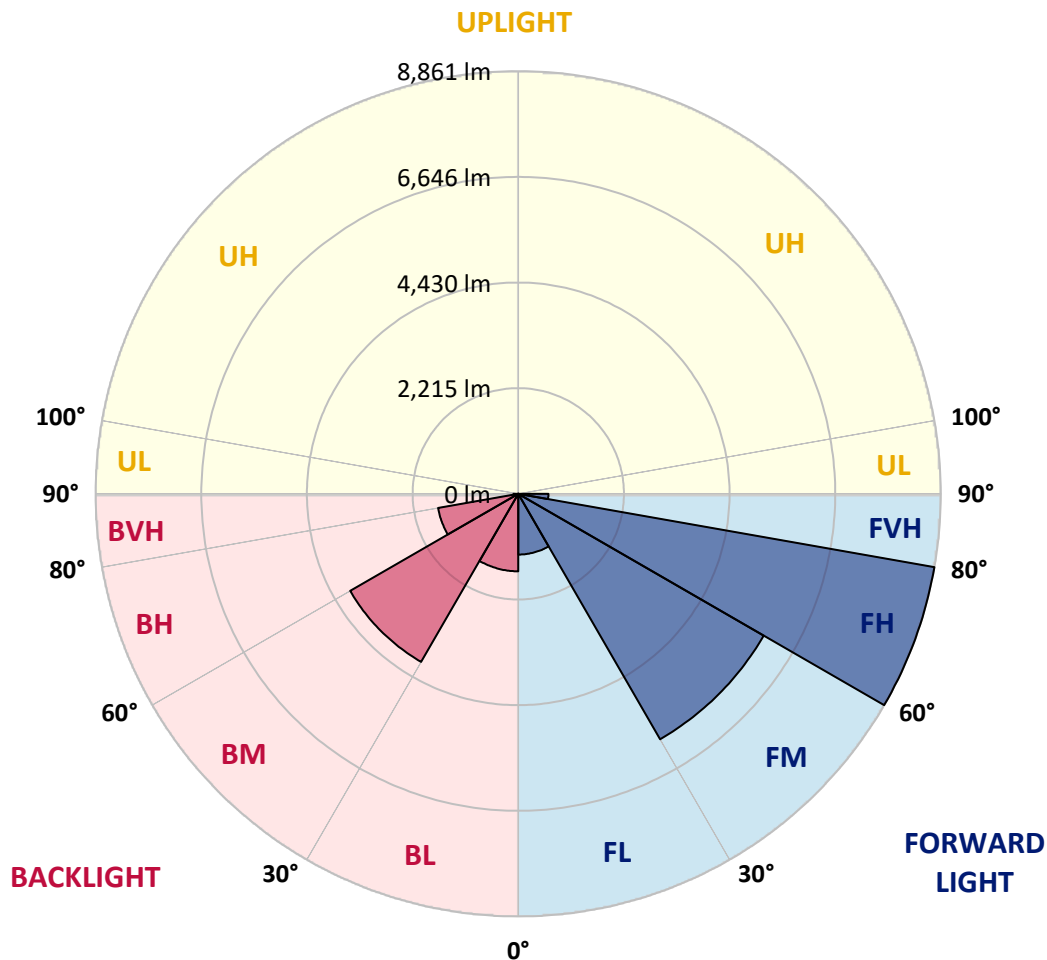


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1273.5	5.3			
FM (30°-60°)	5943.3	24.5			
FH (60°-80°)	8860.9	36.6			G4/12000
FVH (80°-90°)	632.0	2.6			G4/750
BL (0°-30°)	1624.9	6.7	B3/2500		
BM (30°-60°)	4068.8	16.8	B3/5000		
BH (60°-80°)	1706.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	100.9	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6
2.5°	2726.2	2741.6	2737.7	2732.6	2732.6	2733.9	2732.6	2741.6	2750.6	2759.6
5°	2754.4	2769.8	2762.1	2755.7	2750.6	2749.3	2745.4	2744.2	2749.3	2760.9
7.5°	2809.7	2825.1	2813.5	2801.9	2791.7	2786.5	2781.4	2773.7	2769.8	2776.3
10°	2871.3	2886.7	2872.6	2852.0	2835.3	2828.9	2823.8	2816.1	2810.9	2814.8
12.5°	2932.9	2948.3	2929.1	2900.8	2879.0	2875.1	2868.7	2866.2	2864.9	2863.6
15°	2990.7	3003.6	2979.2	2945.8	2922.7	2916.2	2909.8	2913.7	2920.1	2927.8
17.5°	3035.7	3048.5	3012.5	2968.9	2947.1	2944.5	2940.6	2953.5	2971.5	2990.7
20°	3076.7	3089.6	3043.4	2984.3	2958.6	2958.6	2959.9	2986.9	3012.5	3040.8
22.5°	3134.5	3144.8	3088.3	3007.4	2970.2	2972.7	2983.0	3010.0	3042.1	3080.6
25°	3220.6	3228.3	3158.9	3051.1	3008.7	3016.4	3025.4	3038.2	3069.0	3114.0
27.5°	3359.3	3365.7	3274.5	3128.1	3063.9	3076.7	3089.6	3080.6	3094.7	3133.2
30°	3554.4	3558.3	3442.7	3248.8	3157.6	3164.1	3166.6	3129.4	3102.4	3133.2
32.5°	3785.6	3784.3	3646.9	3395.2	3264.2	3257.8	3236.0	3162.8	3099.9	3126.8
35°	4143.9	4129.7	3952.5	3600.7	3384.9	3345.1	3293.8	3200.0	3112.7	3120.4
37.5°	4737.1	4693.5	4448.2	3937.1	3564.7	3463.3	3387.5	3260.4	3141.0	3117.8
40°	5406.1	5350.9	5081.3	4398.1	3834.4	3671.3	3549.3	3346.4	3187.2	3129.4
42.5°	6199.7	6121.4	5831.2	4941.3	4176.0	3939.7	3756.0	3455.6	3255.2	3166.6
45°	7174.4	7070.4	6659.4	5553.8	4606.1	4291.5	4046.3	3621.2	3359.3	3238.5
47.5°	8159.3	8185.0	7600.7	6254.9	5122.3	4725.6	4409.7	3870.3	3510.8	3354.1
50°	9205.8	9223.8	8536.8	7031.8	5707.9	5216.1	4818.0	4149.0	3721.4	3518.5
52.5°	10022.5	10025.1	9386.9	7844.7	6317.9	5755.4	5258.5	4467.4	3965.4	3736.8
55°	10533.6	10527.2	9982.7	8613.9	7019.0	6321.7	5746.4	4829.6	4263.3	3993.6
57.5°	10904.7	10885.5	10393.7	9275.2	7766.4	6990.7	6298.6	5240.5	4615.1	4299.2
60°	11046.0	11034.4	10672.3	9846.6	8552.2	7730.4	6935.5	5700.2	5014.5	4660.1
62.5°	11099.9	11121.8	10945.8	10400.1	9393.3	8549.7	7635.4	6249.8	5463.9	5068.4
65°	11290.0	11329.8	11293.8	11124.3	10343.6	9508.9	8563.8	6903.4	5954.5	5506.3
67.5°	11666.2	11706.0	11721.4	11991.1	11504.4	10704.4	9722.1	7717.6	6528.5	5960.9
70°	11657.2	11645.7	11917.9	12680.7	12958.0	12359.6	11283.6	8719.2	7212.9	6338.4
72.5°	10610.7	10518.2	11161.6	12673.0	14167.7	14088.1	13190.5	10011.0	7803.6	6384.6
75°	7960.3	7713.7	8850.1	11421.0	14369.3	15069.1	14402.7	10812.3	7663.6	5641.1
77.5°	3404.2	3156.4	4495.7	8454.6	12860.4	14086.8	13290.6	9433.1	6117.5	3730.4
80°	891.2	889.9	1358.6	3833.1	8746.1	10402.6	9126.2	6091.9	3495.4	1332.9
82.5°	368.5	359.6	499.5	1490.9	4273.5	5837.6	4764.1	2717.2	1262.3	360.8
85°	137.4	136.1	242.7	514.9	1507.6	2407.7	1742.5	694.7	314.6	175.9
87.5°	38.5	37.2	52.6	178.5	367.3	557.3	297.9	114.3	88.6	69.3
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°
2768.6	0°	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6	2768.6
2773.7	2.5°	2777.5	2784.0	2795.5	2804.5	2816.1	2828.9	2846.9	2858.4	2870.0	2877.7
2780.1	5°	2789.1	2803.2	2832.8	2862.3	2897.0	2929.1	2966.3	2993.3	3015.1	3021.5
2803.2	7.5°	2814.8	2837.9	2888.0	2938.1	2993.3	3045.9	3099.9	3146.1	3183.3	3197.5
2844.3	10°	2859.7	2890.6	2961.2	3031.8	3105.0	3185.9	3255.2	3322.0	3374.7	3396.5
2893.1	12.5°	2916.2	2954.8	3047.2	3144.8	3246.3	3358.0	3447.9	3530.0	3595.5	3625.1
2961.2	15°	2989.4	3039.5	3157.6	3288.6	3437.6	3593.0	3707.3	3798.4	3871.6	3907.6
3031.8	17.5°	3069.0	3135.8	3284.8	3482.5	3695.7	3899.9	4033.4	4100.2	4176.0	4210.6
3097.3	20°	3146.1	3228.3	3441.4	3729.1	4012.9	4229.9	4337.8	4355.7	4360.9	4364.7
3158.9	22.5°	3225.7	3336.1	3637.9	4039.8	4344.2	4494.4	4509.8	4432.8	4324.9	4274.8
3219.3	25°	3313.0	3459.4	3894.7	4382.7	4629.2	4647.2	4529.1	4341.6	4137.4	4043.7
3268.1	27.5°	3397.8	3602.0	4202.9	4710.1	4834.7	4676.8	4422.5	4156.7	3910.1	3811.3
3302.8	30°	3482.5	3765.0	4543.2	4996.5	4928.4	4603.6	4254.3	3957.7	3709.8	3605.8
3333.6	32.5°	3568.6	3955.1	4934.9	5203.2	4911.8	4448.2	4045.0	3734.2	3515.9	3406.8
3360.5	35°	3666.2	4188.8	5306.0	5316.3	4800.0	4219.6	3768.9	3467.1	3277.1	3189.8
3392.6	37.5°	3793.3	4485.4	5633.4	5344.5	4604.8	3884.5	3426.0	3151.2	2994.6	2954.8
3440.2	40°	3951.2	4842.4	5883.8	5299.6	4315.9	3477.4	3051.1	2831.5	2742.9	2751.9
3504.4	42.5°	4156.7	5241.8	6059.8	5184.0	3914.0	3057.5	2722.3	2624.7	2667.1	2703.1
3600.7	45°	4423.8	5656.5	6168.9	4987.5	3459.4	2701.8	2528.4	2551.5	2583.6	2587.5
3756.0	47.5°	4765.4	6076.5	6240.8	4690.9	2995.8	2451.4	2405.2	2410.3	2403.9	2376.9
3988.5	50°	5191.7	6484.8	6305.0	4297.9	2601.6	2294.7	2233.1	2215.1	2126.5	2039.2
4297.9	52.5°	5677.1	6859.8	6332.0	3810.0	2294.7	2163.7	2063.6	1950.6	1784.9	1758.0
4687.0	55°	6216.4	7206.5	6262.6	3210.3	2036.6	1995.5	1844.0	1707.9	1689.9	1666.8
5199.4	57.5°	6861.0	7580.2	6121.4	2541.3	1772.1	1799.1	1651.4	1666.8	1634.7	1598.7
5858.1	60°	7566.0	7966.7	5873.6	1931.3	1498.6	1553.8	1601.3	1600.0	1591.0	1561.5
6552.9	62.5°	8200.4	8220.9	5385.6	1479.3	1258.4	1363.7	1493.4	1492.1	1484.4	1467.7
7278.4	65°	8577.9	8182.4	4571.5	1164.7	1060.7	1207.1	1347.0	1357.3	1358.6	1357.3
7824.1	67.5°	8511.1	7731.7	3454.3	927.1	897.6	1047.8	1201.9	1216.1	1226.3	1228.9
7893.5	70°	7756.1	6741.6	2252.3	739.7	752.5	907.9	1064.5	1078.7	1087.6	1097.9
6849.5	72.5°	6045.6	4956.7	1289.3	598.4	625.4	787.2	928.4	945.1	950.2	969.5
4766.6	75°	3684.1	2914.9	696.0	471.3	513.6	672.9	793.6	812.8	821.8	845.0
2340.9	77.5°	1751.5	1262.3	396.8	367.3	413.5	549.6	670.3	692.1	667.7	680.6
645.9	80°	592.0	468.7	250.4	279.9	315.9	428.9	536.8	558.6	507.2	504.7
214.4	82.5°	206.7	190.0	159.2	186.2	204.2	306.9	405.8	434.0	377.5	376.2
96.3	85°	80.9	77.0	88.6	101.4	122.0	188.8	267.1	281.2	232.4	187.5
28.3	87.5°	16.7	18.0	21.8	23.1	37.2	65.5	96.3	118.1	93.7	79.6
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>
2768.6
2872.6
3024.1
3198.7
3397.8
3625.1
3905.0
4209.3
4375.0
4289.0
4057.8
3822.8
3617.4
3420.9
3209.0
2983.0
2782.7
2736.5
2613.2
2397.4
2050.7
1766.9
1670.6
1592.3
1551.2
1461.3
1357.3
1231.5
1103.1
977.2
847.5
670.3
499.5
358.3
184.9
73.2
0.0

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