

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: P848688

Luminaire Tested: **GLAN-SB5B-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848688
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-SB5B-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25313 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

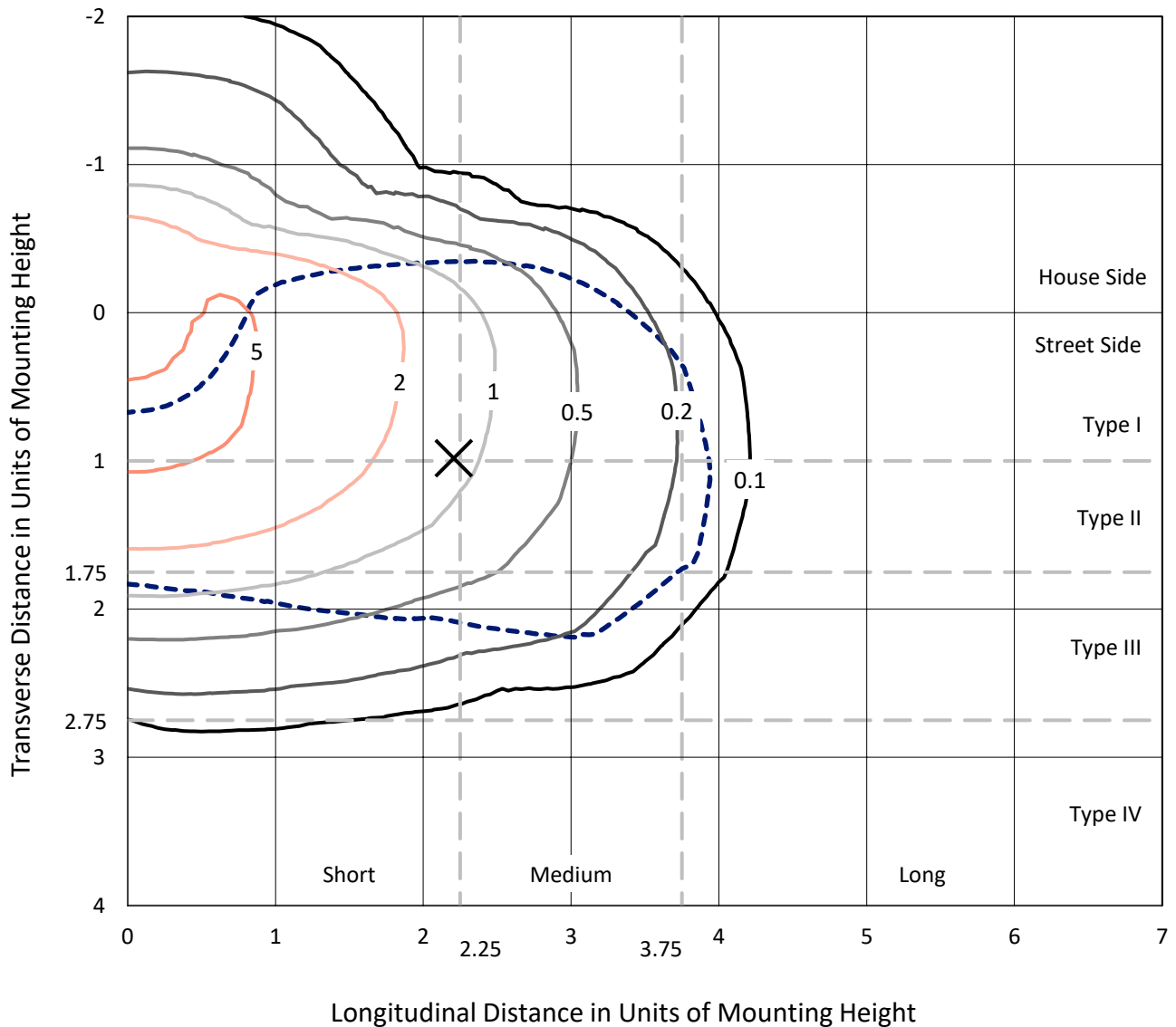
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

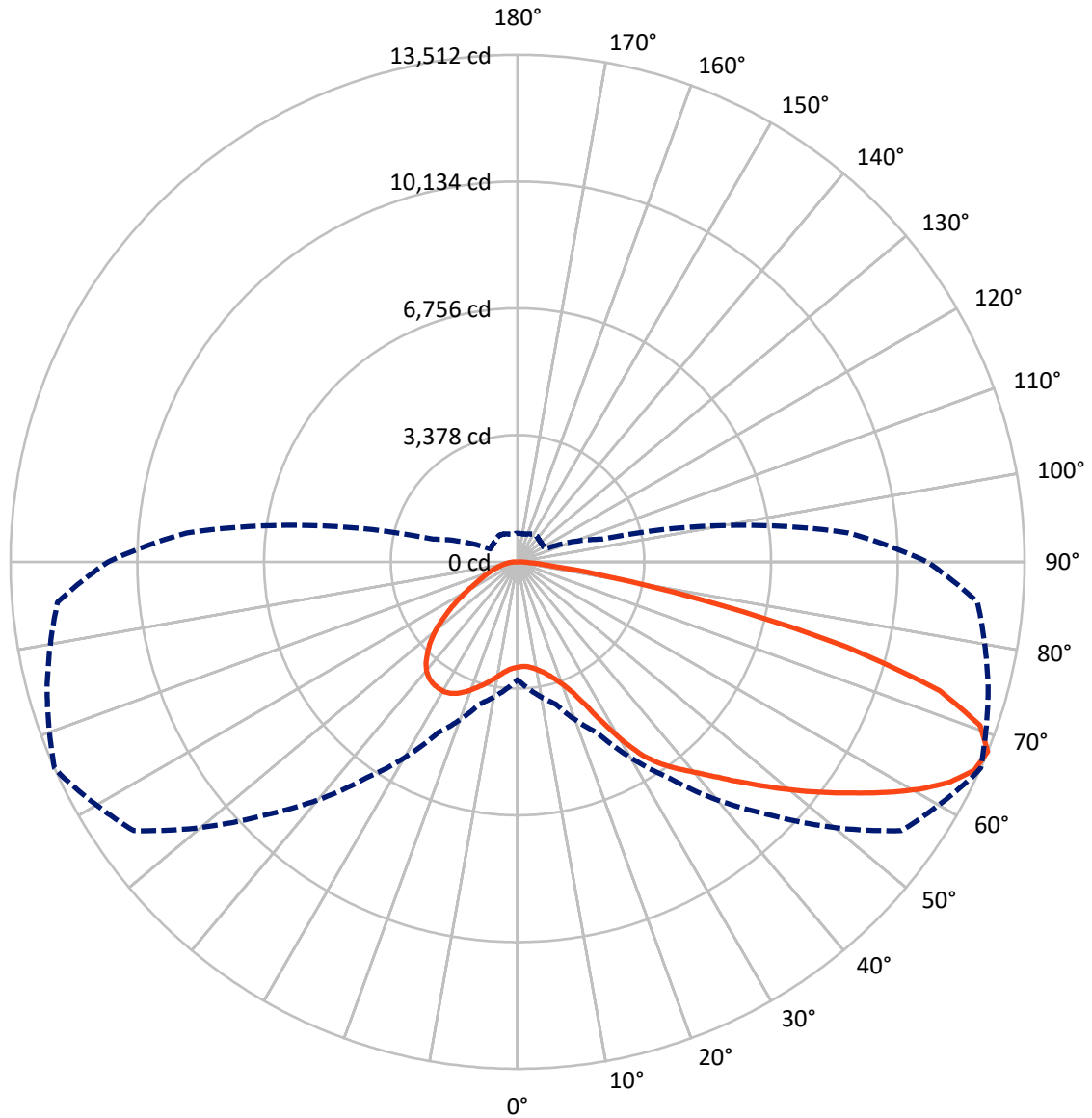
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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
House Side	Lumens	6294.0	0.0	6294.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19019.0	0.0	19019.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	25313.0	0.0	25313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.4	1.1
10°-20°	919.7	3.6
20°-30°	1772.6	7.0
30°-40°	3108.0	12.3
40°-50°	4620.6	18.3
50°-60°	5857.0	23.1
60°-70°	5730.9	22.6
70°-80°	2733.7	10.8
80°-90°	292.2	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°	25313.0	100.0
0°-180°	25313.0	100.0

Coefficient of Utilization



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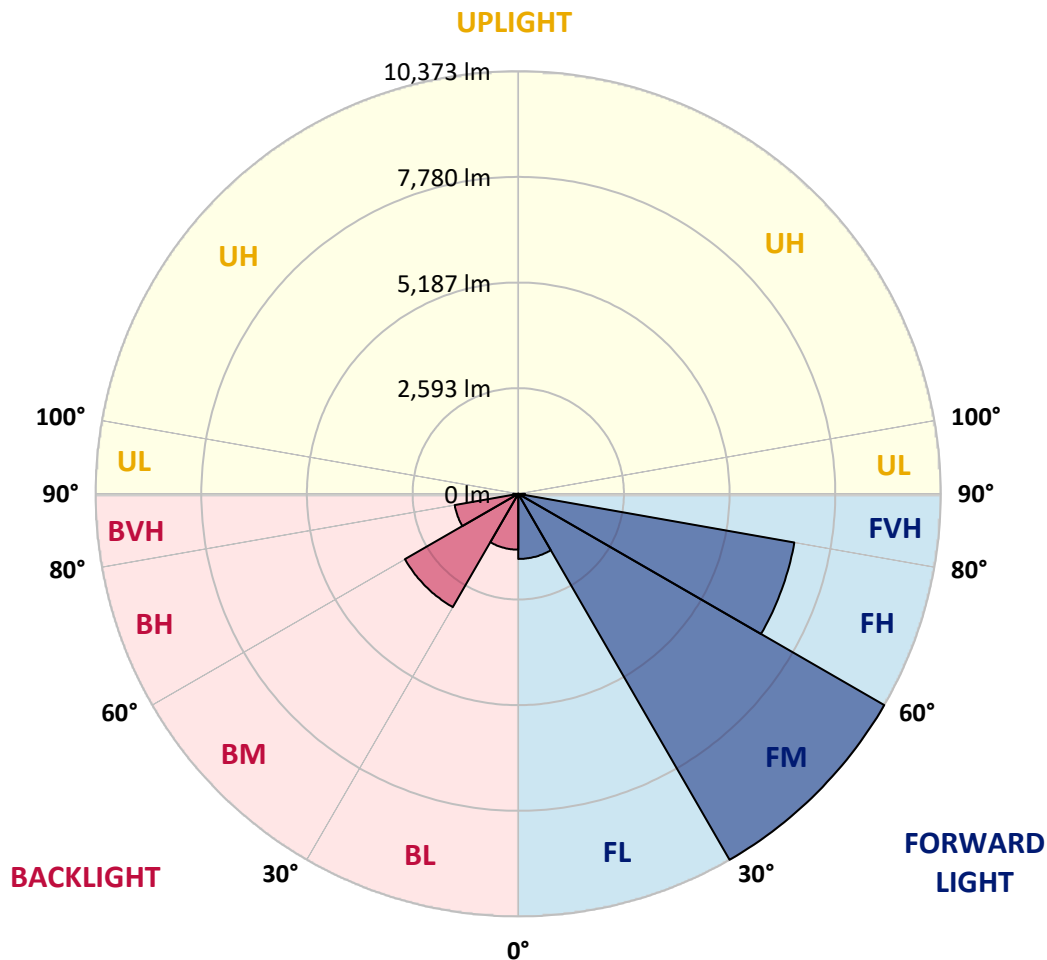
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1599.5	6.3			
FM (30°-60°)	10373.0	41.0			
FH (60°-80°)	6880.8	27.2			G3/7500
FVH (80°-90°)	165.6	0.7			G2/225
BL (0°-30°)	1371.1	5.4	B3/2500		
BM (30°-60°)	3212.5	12.7	B3/5000		
BH (60°-80°)	1583.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	126.5	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5
2.5°	2778.3	2794.2	2790.3	2783.6	2782.3	2784.9	2788.9	2792.9	2791.6	2798.2
5°	2770.3	2786.3	2784.9	2784.9	2790.3	2800.9	2807.5	2814.2	2807.5	2815.5
7.5°	2775.6	2787.6	2792.9	2798.2	2811.5	2831.5	2847.4	2862.1	2854.1	2863.4
10°	2843.5	2852.8	2858.1	2858.1	2867.4	2890.0	2906.0	2932.6	2925.9	2940.5
12.5°	2967.1	2976.5	2976.5	2971.1	2977.8	2992.4	2997.7	3027.0	3015.0	3039.0
15°	3118.8	3137.4	3122.7	3113.4	3116.1	3130.7	3129.4	3152.0	3140.0	3160.0
17.5°	3286.3	3310.3	3286.3	3285.0	3279.7	3295.6	3297.0	3316.9	3295.6	3310.3
20°	3484.5	3517.7	3497.8	3504.4	3492.5	3499.1	3505.8	3535.0	3501.8	3512.4
22.5°	3763.8	3803.7	3782.4	3807.7	3799.7	3794.4	3793.0	3844.9	3793.0	3797.0
25°	4170.8	4218.6	4181.4	4216.0	4216.0	4233.3	4253.2	4319.7	4233.3	4208.0
27.5°	4771.9	4819.8	4746.6	4767.9	4761.3	4803.8	4782.5	4947.5	4854.4	4813.1
30°	5495.4	5580.5	5442.2	5436.9	5430.2	5498.1	5528.6	5637.7	5543.3	5502.0
32.5°	6277.4	6366.5	6201.6	6153.7	6128.5	6169.7	6144.4	6232.2	6167.0	6103.2
35°	7104.6	7192.4	7035.5	6942.4	6841.3	6754.9	6664.4	6687.0	6625.9	6528.8
37.5°	7886.7	8047.6	7881.3	7781.6	7595.4	7426.5	7173.8	7068.7	7011.6	6922.4
40°	8683.3	8775.1	8648.7	8563.6	8361.5	8096.8	7692.5	7470.4	7393.2	7306.8
42.5°	9269.8	9357.6	9289.8	9231.3	9073.0	8765.8	8243.1	7965.1	7853.4	7756.3
45°	9735.3	9800.5	9757.9	9779.2	9711.4	9413.5	8813.6	8495.8	8380.1	8261.7
47.5°	9922.8	9992.0	10059.8	10186.2	10301.9	10082.4	9426.8	9070.3	8948.0	8826.9
50°	9901.6	9972.0	10168.9	10437.5	10796.6	10723.5	10073.1	9682.1	9569.1	9430.7
52.5°	9731.3	9811.1	10063.8	10510.7	11082.6	11203.6	10731.4	10313.8	10207.4	10042.5
55°	9284.5	9332.3	9711.4	10344.4	11150.4	11538.7	11376.5	10986.8	10880.4	10650.3
57.5°	8455.9	8525.0	9077.0	9896.2	10980.2	11766.2	11943.0	11694.3	11591.9	11260.8
60°	7374.6	7485.0	8116.7	9143.5	10546.6	11764.8	12457.7	12389.9	12304.8	11861.9
62.5°	6151.1	6278.7	6886.5	8079.5	9788.5	11431.0	12779.6	12972.4	12928.5	12416.5
65°	4724.0	4811.8	5416.9	6703.0	8608.8	10714.2	12816.8	13370.1	13378.1	12838.1
67.5°	3145.4	3398.0	3923.4	5029.9	7028.8	9542.5	12489.7	13435.3	13512.4	12983.1
70°	1534.8	1867.3	2382.0	3269.0	5029.9	7745.7	11634.5	12900.6	13072.2	12560.1
72.5°	637.1	744.8	1025.4	1613.2	2887.3	5226.7	9916.2	11451.0	11768.8	11129.1
75°	429.6	465.5	586.5	827.2	1315.3	2577.5	7151.2	8538.3	9050.4	8405.3
77.5°	331.2	353.8	426.9	578.5	782.0	974.9	3827.6	5145.6	5410.3	5008.6
80°	260.7	278.0	319.2	421.6	554.6	521.3	1304.7	2331.4	2484.4	2084.0
82.5°	226.1	232.7	228.8	285.9	368.4	304.6	428.2	860.5	949.6	688.9
85°	163.6	182.2	190.2	176.9	195.5	154.3	175.6	304.6	335.1	299.2
87.5°	66.5	98.4	121.0	114.4	71.8	43.9	54.5	89.1	102.4	111.7
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°
2807.5	0°	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5	2807.5
2808.9	2.5°	2810.2	2819.5	2826.2	2834.1	2839.5	2847.4	2863.4	2872.7	2874.0	2880.7
2830.2	5°	2835.5	2848.8	2863.4	2884.7	2908.6	2928.6	2959.2	2980.4	2988.4	2995.1
2882.0	7.5°	2890.0	2908.6	2935.2	2972.5	3007.0	3033.6	3070.9	3096.1	3121.4	3130.7
2964.5	10°	2971.1	2997.7	3036.3	3086.8	3124.1	3158.7	3197.2	3218.5	3243.8	3254.4
3062.9	12.5°	3072.2	3100.1	3150.7	3221.2	3255.7	3279.7	3293.0	3287.7	3293.0	3302.3
3181.3	15°	3187.9	3218.5	3275.7	3351.5	3375.4	3354.2	3324.9	3298.3	3294.3	3297.0
3324.9	17.5°	3324.9	3347.5	3414.0	3477.8	3460.6	3372.8	3308.9	3266.4	3245.1	3238.5
3508.4	20°	3516.4	3516.4	3570.9	3610.8	3495.1	3346.2	3246.4	3177.3	3133.4	3114.8
3758.5	22.5°	3749.2	3727.9	3762.5	3734.5	3488.5	3271.7	3133.4	3013.7	2947.2	2920.6
4108.2	25°	4044.4	4019.1	4009.8	3836.9	3440.6	3153.3	2928.6	2783.6	2725.1	2710.5
4612.3	27.5°	4489.9	4426.1	4305.1	3892.8	3352.8	2967.1	2689.2	2554.9	2521.6	2522.9
5260.0	30°	5083.1	4955.4	4658.9	3902.1	3209.2	2703.8	2444.5	2348.7	2332.8	2339.4
5803.9	32.5°	5632.4	5511.4	5020.6	3859.5	2988.4	2445.8	2225.0	2161.2	2137.2	2145.2
6218.9	35°	6063.3	6030.0	5355.8	3799.7	2717.1	2203.7	2028.2	1973.7	1927.1	1916.5
6609.9	37.5°	6470.3	6457.0	5607.1	3715.9	2448.5	2032.2	1869.9	1798.1	1730.3	1693.0
7042.1	40°	6917.1	6903.8	5772.0	3586.9	2210.4	1883.2	1727.6	1633.2	1549.4	1481.6
7531.6	42.5°	7419.8	7341.4	5850.5	3402.0	2008.2	1756.9	1611.9	1484.2	1373.8	1311.3
8084.8	45°	7969.1	7792.2	5849.2	3166.6	1838.0	1641.2	1488.2	1307.4	1204.9	1146.4
8652.7	47.5°	8551.6	8223.1	5777.3	2906.0	1673.1	1513.5	1296.7	1158.4	1090.6	1054.7
9269.8	50°	9152.8	8626.1	5655.0	2606.7	1504.2	1368.5	1177.0	1082.6	1030.7	997.5
9881.6	52.5°	9718.0	8991.9	5507.4	2267.6	1332.6	1227.6	1123.8	1050.7	996.1	958.9
10474.8	55°	10243.4	9307.1	5298.6	1920.5	1193.0	1133.1	1098.5	1037.4	974.9	931.0
11077.2	57.5°	10710.2	9511.9	4938.1	1594.6	1093.2	1068.0	1071.9	1014.8	942.9	905.7
11670.4	60°	11098.5	9662.2	4404.8	1292.7	1012.1	1004.1	1030.7	972.2	888.4	845.9
12171.8	62.5°	11331.3	9659.5	3750.5	1058.6	942.9	945.6	976.2	919.0	833.9	794.0
12433.8	65°	11311.3	9422.8	3032.3	905.7	876.4	879.1	919.0	860.5	788.7	764.7
12302.1	67.5°	10911.0	8845.6	2326.1	806.0	803.3	815.3	861.8	820.6	760.7	758.1
11517.5	70°	9827.1	7647.3	1675.7	726.2	727.5	744.8	806.0	795.3	746.1	751.4
9683.4	72.5°	7880.0	5830.5	1125.1	642.4	643.7	671.6	752.8	775.4	731.5	802.0
6870.6	75°	5248.0	3636.1	723.5	553.3	554.6	590.5	706.2	736.8	691.6	799.3
3574.9	77.5°	2521.6	1634.5	524.0	465.5	465.5	498.7	610.5	659.7	589.2	621.1
1149.1	80°	871.1	614.4	412.3	375.0	367.1	389.7	514.7	571.9	508.0	468.1
375.0	82.5°	343.1	319.2	331.2	291.3	264.7	279.3	400.3	472.1	373.7	337.8
211.5	85°	196.8	207.5	234.1	192.8	152.9	171.6	293.9	339.1	282.0	248.7
69.2	87.5°	53.2	73.1	107.7	99.7	69.2	73.1	139.6	187.5	162.3	125.0
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°
2807.5
2879.4
2993.7
3132.1
3259.7
3305.0
3306.3
3247.8
3110.8
2916.6
2713.1
2526.9
2362.0
2155.9
1924.5
1694.4
1488.2
1315.3
1143.8
1046.7
985.5
942.9
913.7
881.8
827.2
782.0
763.4
762.1
750.1
812.6
806.0
569.2
438.9
336.5
254.0
129.0
0.0

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