

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: P850058

Luminaire Tested: **GLAN-SB7B-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850058
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-SB7B-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34409 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

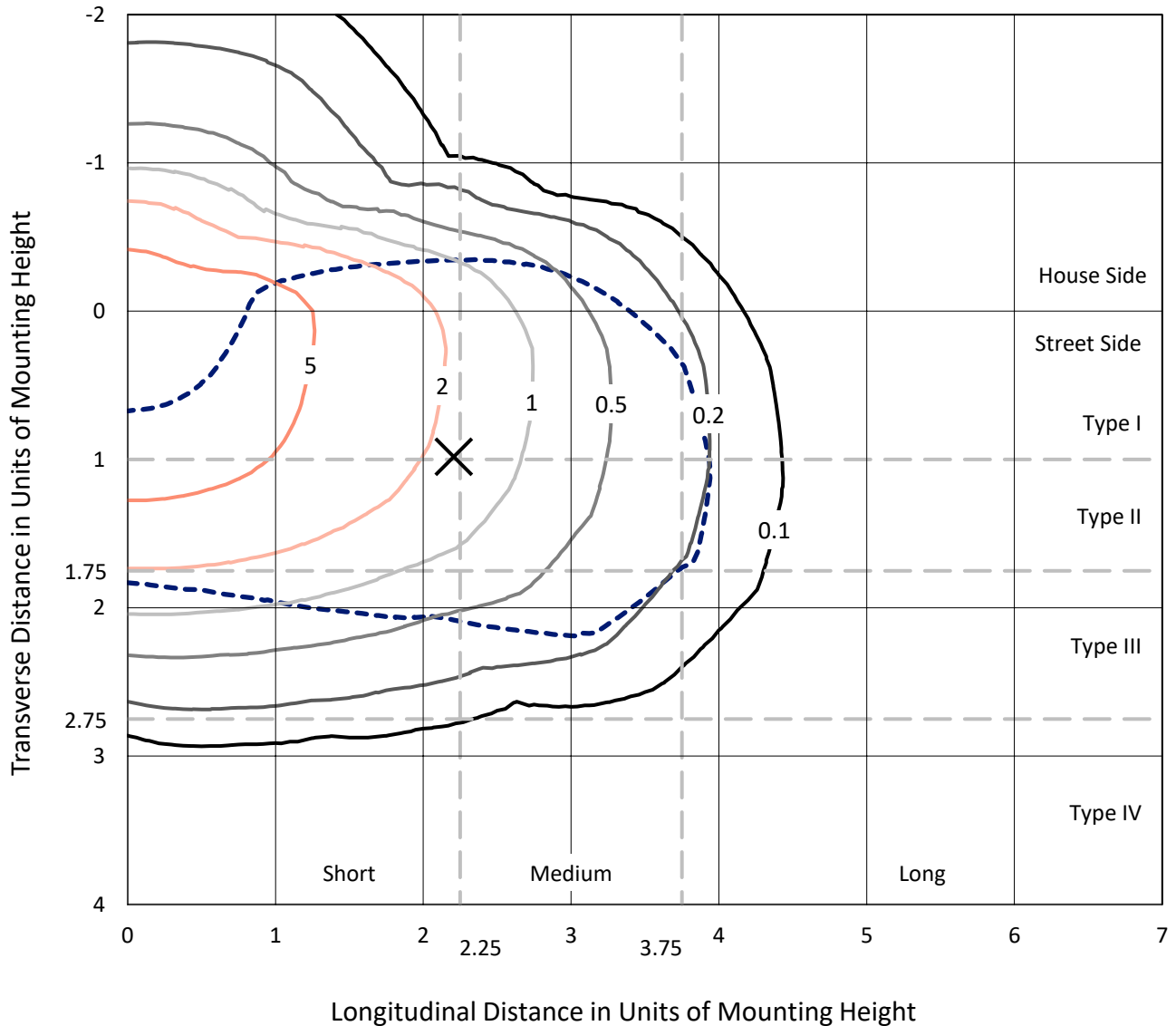
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

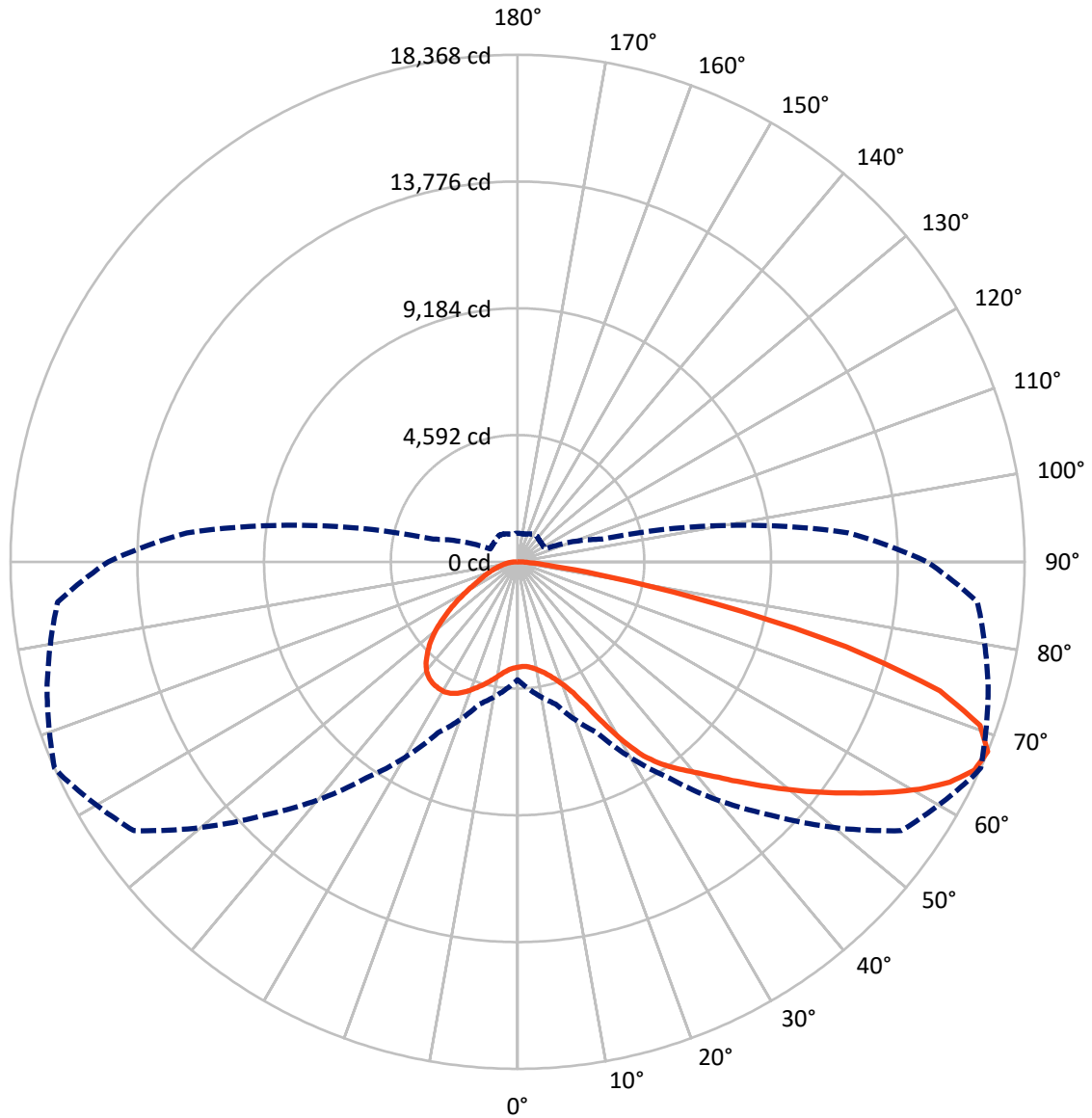
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	8555.7	0.0	8555.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	25853.3	0.0	25853.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	34409.0	0.0	34409.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.4	1.1
10°-20°	1250.1	3.6
20°-30°	2409.5	7.0
30°-40°	4224.8	12.3
40°-50°	6280.9	18.3
50°-60°	7961.7	23.1
60°-70°	7790.3	22.6
70°-80°	3716.1	10.8
80°-90°	397.1	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°	34409.0	100.0
0°-180°	34409.0	100.0

Coefficient of Utilization



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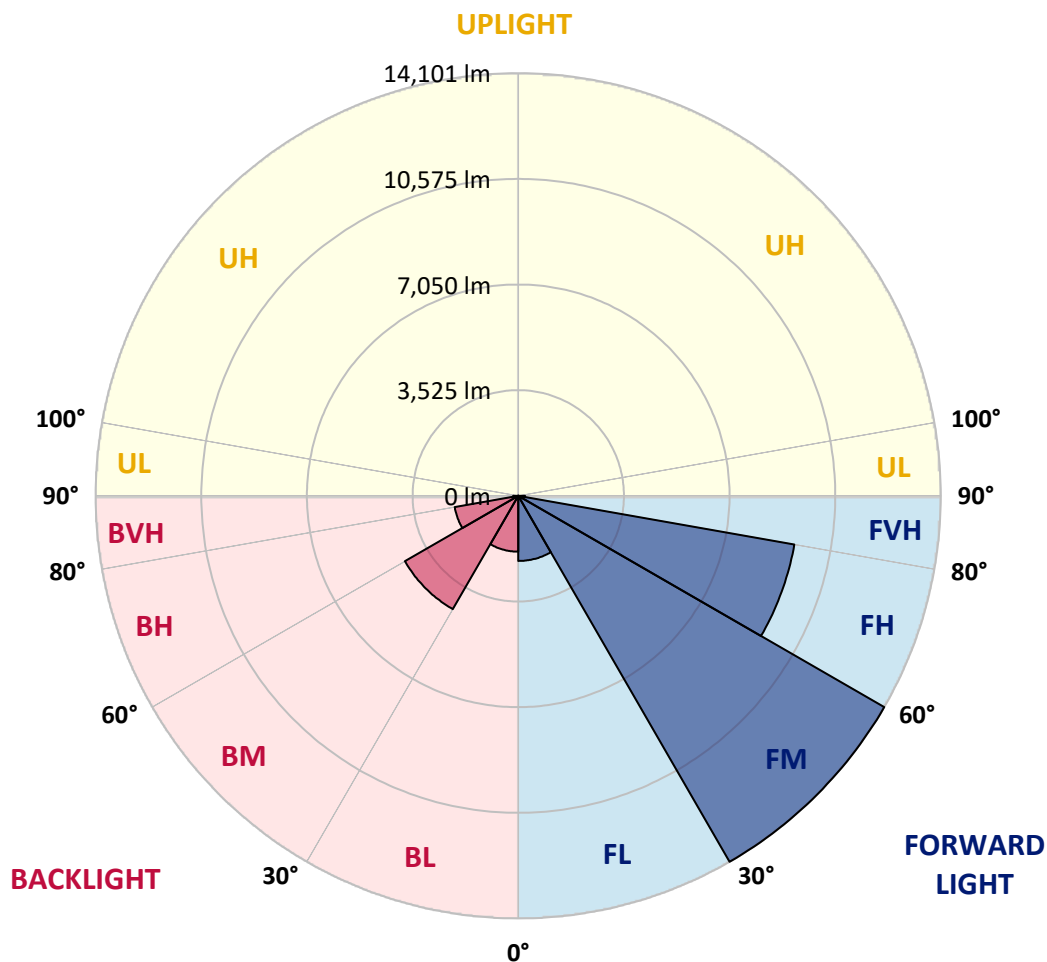
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2174.3	6.3			
FM (30°-60°)	14100.5	41.0			
FH (60°-80°)	9353.3	27.2			G4/12000
FVH (80°-90°)	225.2	0.7			G3/500
BL (0°-30°)	1863.7	5.4	B3/2500		
BM (30°-60°)	4366.9	12.7	B3/5000		
BH (60°-80°)	2153.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	172.0	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°	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4
2.5°	3776.6	3798.3	3792.9	3783.9	3782.1	3785.7	3791.1	3796.5	3794.7	3803.8
5°	3765.8	3787.5	3785.7	3785.7	3792.9	3807.4	3816.4	3825.5	3816.4	3827.3
7.5°	3773.0	3789.3	3796.5	3803.8	3821.8	3849.0	3870.6	3890.5	3879.7	3892.3
10°	3865.2	3877.9	3885.1	3885.1	3897.8	3928.5	3950.2	3986.4	3977.3	3997.2
12.5°	4033.4	4046.0	4046.0	4038.8	4047.8	4067.7	4074.9	4114.7	4098.4	4131.0
15°	4239.5	4264.8	4244.9	4232.2	4235.8	4255.7	4253.9	4284.7	4268.4	4295.5
17.5°	4467.2	4499.8	4467.2	4465.4	4458.2	4479.9	4481.7	4508.8	4479.9	4499.8
20°	4736.6	4781.8	4754.7	4763.7	4747.5	4756.5	4765.5	4805.3	4760.1	4774.6
22.5°	5116.3	5170.5	5141.6	5175.9	5165.1	5157.9	5156.0	5226.6	5156.0	5161.5
25°	5669.5	5734.6	5683.9	5730.9	5730.9	5754.4	5781.6	5872.0	5754.4	5720.1
27.5°	6486.6	6551.7	6452.3	6481.2	6472.2	6530.0	6501.1	6725.3	6598.7	6542.7
30°	7470.1	7585.8	7397.8	7390.6	7381.5	7473.7	7515.3	7663.6	7535.2	7479.2
32.5°	8533.1	8654.3	8430.1	8365.0	8330.7	8386.7	8352.4	8471.7	8383.1	8296.3
35°	9657.6	9777.0	9563.6	9437.1	9299.7	9182.2	9059.2	9090.0	9006.8	8874.8
37.5°	10720.7	10939.4	10713.4	10577.8	10324.7	10095.1	9751.6	9608.8	9531.1	9410.0
40°	11803.6	11928.3	11756.6	11640.9	11366.1	11006.3	10456.7	10154.8	10049.9	9932.4
42.5°	12600.9	12720.2	12628.0	12548.4	12333.3	11915.7	11205.2	10827.3	10675.5	10543.5
45°	13233.6	13322.2	13264.3	13293.3	13201.1	12796.1	11980.8	11548.7	11391.4	11230.5
47.5°	13488.5	13582.5	13674.7	13846.5	14003.8	13705.5	12814.2	12329.7	12163.3	11998.8
50°	13459.6	13555.4	13823.0	14188.2	14676.3	14576.9	13692.8	13161.3	13007.6	12819.6
52.5°	13228.2	13336.7	13680.1	14287.6	15065.0	15229.5	14587.7	14020.0	13875.4	13651.2
55°	12620.7	12685.8	13201.1	14061.6	15157.2	15685.1	15464.5	14934.8	14790.2	14477.4
57.5°	11494.4	11588.4	12338.7	13452.4	14925.8	15994.2	16234.7	15896.6	15757.4	15307.2
60°	10024.6	10174.7	11033.4	12429.1	14336.4	15992.4	16934.3	16842.1	16726.4	16124.4
62.5°	8361.4	8535.0	9361.1	10982.8	13305.9	15538.6	17371.8	17634.0	17574.3	16878.3
65°	6421.6	6540.9	7363.5	9111.7	11702.3	14564.2	17422.4	18174.5	18185.4	17451.4
67.5°	4275.6	4619.1	5333.2	6837.4	9554.6	12971.5	16977.7	18263.1	18368.0	17648.4
70°	2086.3	2538.2	3237.9	4443.7	6837.4	10529.0	15815.2	17536.3	17769.6	17073.5
72.5°	866.0	1012.4	1393.9	2192.9	3924.9	7104.9	13479.5	15565.8	15997.8	15128.3
75°	583.9	632.8	797.3	1124.5	1788.0	3503.7	9720.9	11606.5	12302.6	11425.7
77.5°	450.2	480.9	580.3	786.4	1063.0	1325.2	5203.0	6994.6	7354.4	6808.4
80°	354.3	377.8	433.9	573.1	753.9	708.7	1773.5	3169.2	3377.1	2832.9
82.5°	307.3	316.4	311.0	388.7	500.8	414.0	582.1	1169.7	1290.8	936.5
85°	222.4	247.7	258.5	240.4	265.8	209.7	238.6	414.0	455.6	406.8
87.5°	90.4	133.8	164.5	155.5	97.6	59.7	74.1	121.1	139.2	151.9
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°
3816.4	0°	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4	3816.4
3818.2	2.5°	3820.0	3832.7	3841.7	3852.6	3859.8	3870.6	3892.3	3905.0	3906.8	3915.8
3847.1	5°	3854.4	3872.5	3892.3	3921.3	3953.8	3980.9	4022.5	4051.4	4062.3	4071.3
3917.7	7.5°	3928.5	3953.8	3990.0	4040.6	4087.6	4123.8	4174.4	4208.7	4243.1	4255.7
4029.7	10°	4038.8	4074.9	4127.4	4196.1	4246.7	4293.7	4346.1	4375.0	4409.4	4423.9
4163.5	12.5°	4176.2	4214.1	4282.8	4378.7	4425.7	4458.2	4476.3	4469.1	4476.3	4488.9
4324.4	15°	4333.5	4375.0	4452.8	4555.8	4588.4	4559.4	4519.7	4483.5	4478.1	4481.7
4519.7	17.5°	4519.7	4550.4	4640.8	4727.6	4704.1	4584.8	4498.0	4440.1	4411.2	4402.2
4769.2	20°	4780.0	4780.0	4854.1	4908.4	4751.1	4548.6	4413.0	4319.0	4259.3	4234.0
5109.0	22.5°	5096.4	5067.5	5114.5	5076.5	4742.0	4447.4	4259.3	4096.6	4006.2	3970.1
5584.5	25°	5497.7	5463.4	5450.7	5215.7	4677.0	4286.5	3980.9	3783.9	3704.3	3684.4
6269.7	27.5°	6103.4	6016.6	5852.1	5291.6	4557.6	4033.4	3655.5	3472.9	3427.7	3429.5
7150.1	30°	6909.7	6736.1	6333.0	5304.3	4362.4	3675.4	3322.9	3192.7	3171.0	3180.0
7889.5	32.5°	7656.3	7491.8	6824.7	5246.4	4062.3	3324.7	3024.6	2937.8	2905.2	2916.1
8453.6	35°	8242.1	8196.9	7280.3	5165.1	3693.5	2995.6	2757.0	2682.9	2619.6	2605.1
8985.1	37.5°	8795.3	8777.2	7622.0	5051.2	3328.3	2762.4	2541.9	2444.2	2352.0	2301.4
9572.7	40°	9402.7	9384.7	7846.2	4875.8	3004.7	2559.9	2348.4	2220.1	2106.2	2014.0
10238.0	42.5°	10086.1	9979.4	7952.8	4624.5	2729.9	2388.2	2191.1	2017.6	1867.5	1782.6
10990.0	45°	10832.8	10592.3	7951.0	4304.5	2498.5	2230.9	2023.0	1777.1	1637.9	1558.4
11762.0	47.5°	11624.6	11178.1	7853.4	3950.2	2274.3	2057.4	1762.7	1574.7	1482.5	1433.6
12600.9	50°	12441.8	11725.8	7687.1	3543.4	2044.7	1860.3	1600.0	1471.6	1401.1	1355.9
13432.5	52.5°	13210.1	12223.0	7486.4	3082.4	1811.5	1668.7	1527.6	1428.2	1354.1	1303.5
14238.8	55°	13924.2	12651.5	7202.6	2610.6	1621.7	1540.3	1493.3	1410.1	1325.2	1265.5
15057.7	57.5°	14558.8	12929.9	6712.6	2167.6	1486.1	1451.7	1457.1	1379.4	1281.8	1231.2
15864.1	60°	15086.7	13134.2	5987.7	1757.2	1375.8	1364.9	1401.1	1321.6	1207.7	1149.8
16545.6	62.5°	15403.0	13130.6	5098.2	1439.1	1281.8	1285.4	1327.0	1249.2	1133.5	1079.3
16901.8	65°	15375.9	12808.8	4121.9	1231.2	1191.4	1195.0	1249.2	1169.7	1072.1	1039.5
16722.8	67.5°	14831.8	12024.1	3162.0	1095.6	1092.0	1108.2	1171.5	1115.5	1034.1	1030.5
15656.2	70°	13358.3	10395.3	2277.9	987.1	988.9	1012.4	1095.6	1081.1	1014.2	1021.4
13163.1	72.5°	10711.6	7925.7	1529.5	873.2	875.0	913.0	1023.3	1054.0	994.3	1090.1
9339.5	75°	7133.9	4942.7	983.5	752.1	753.9	802.7	960.0	1001.6	940.1	1086.5
4859.6	77.5°	3427.7	2221.9	712.3	632.8	632.8	678.0	829.8	896.7	800.9	844.3
1562.0	80°	1184.2	835.2	560.4	509.8	499.0	529.7	699.6	777.4	690.6	636.4
509.8	82.5°	466.4	433.9	450.2	395.9	359.8	379.7	544.2	641.8	508.0	459.2
287.5	85°	267.6	282.0	318.2	262.1	207.9	233.2	399.5	461.0	383.3	338.1
94.0	87.5°	72.3	99.4	146.4	135.6	94.0	99.4	189.8	254.9	220.6	169.9
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>
3816.4
3914.0
4069.5
4257.5
4431.1
4492.6
4494.4
4414.8
4228.6
3964.7
3688.1
3435.0
3210.8
2930.6
2616.0
2303.2
2023.0
1788.0
1554.8
1422.8
1339.6
1281.8
1242.0
1198.6
1124.5
1063.0
1037.7
1035.9
1019.6
1104.6
1095.6
773.8
596.6
457.4
345.3
175.4
0.0

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