

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: P850737

Luminaire Tested: **GLAN-SB8B-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30663 lumens
Efficiency: N/A
Efficacy: 104.7 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

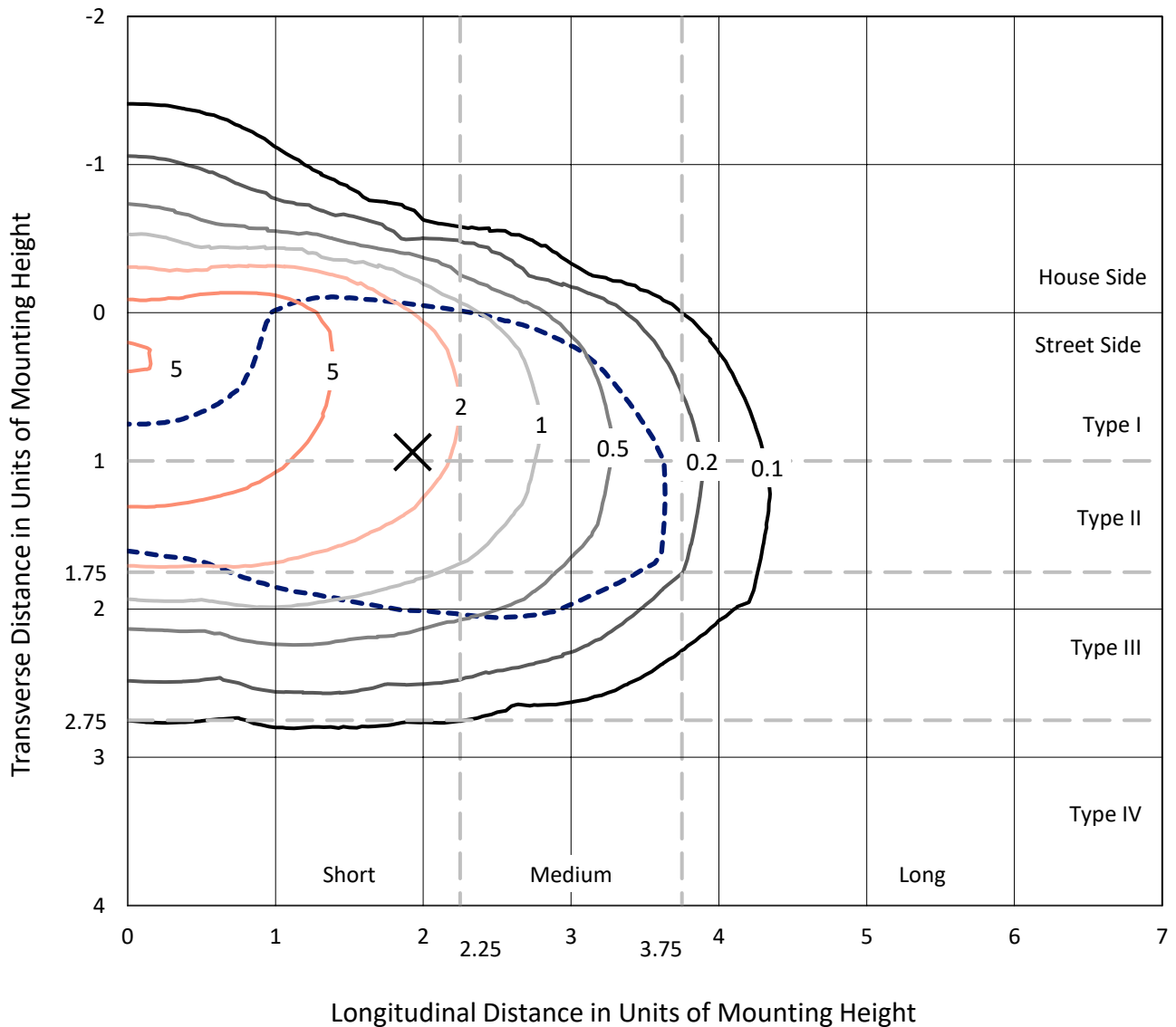
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

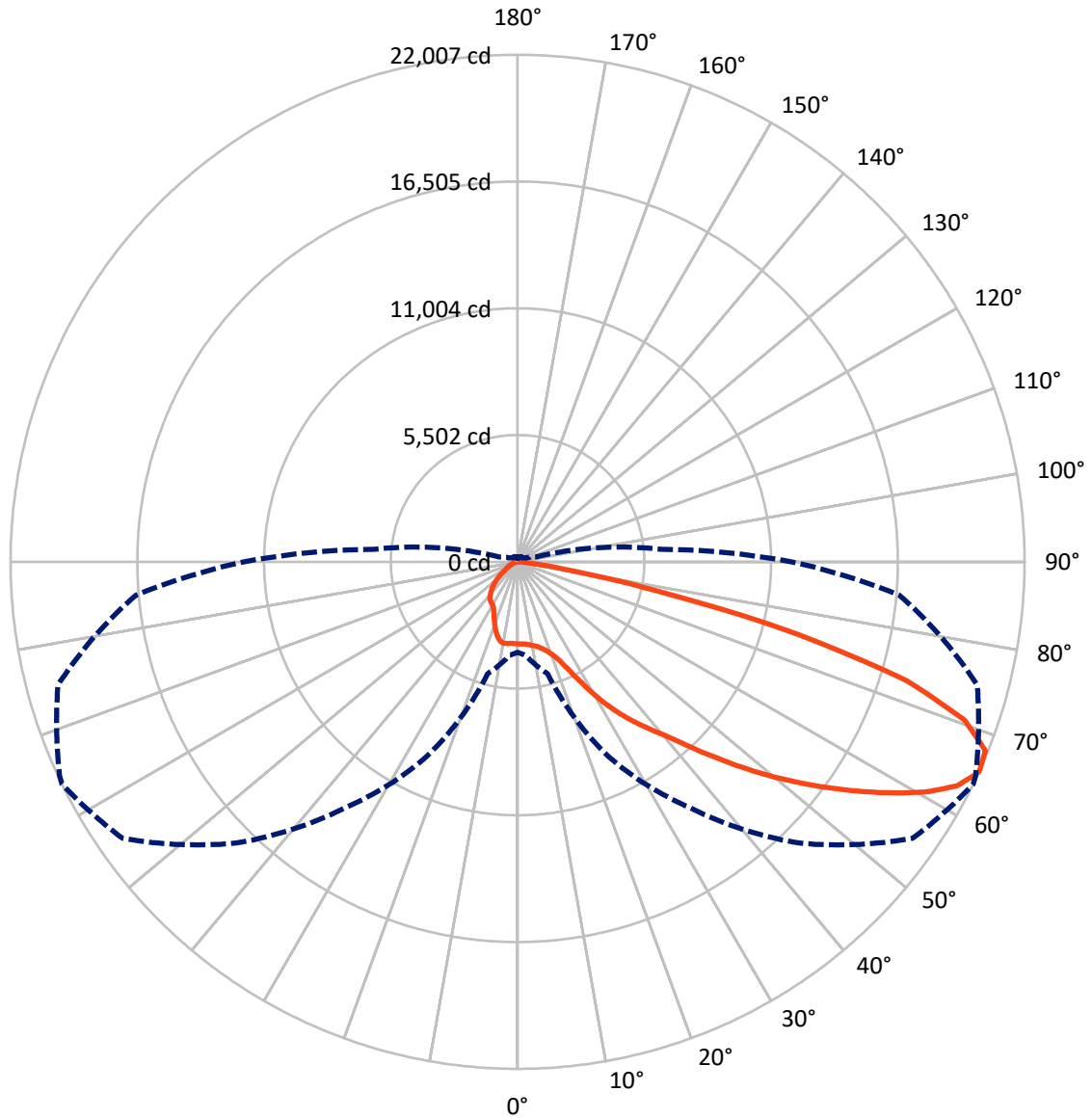
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4100.6	0.0	4100.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26562.4	0.0	26562.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	30663.0	0.0	30663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.0	1.1
10°-20°	892.4	2.9
20°-30°	1691.1	5.5
30°-40°	3422.0	11.2
40°-50°	5829.4	19.0
50°-60°	7927.6	25.9
60°-70°	7444.4	24.3
70°-80°	2982.5	9.7
80°-90°	144.5	0.5
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°	30663.0	100.0
0°-180°	30663.0	100.0

Coefficient of Utilization



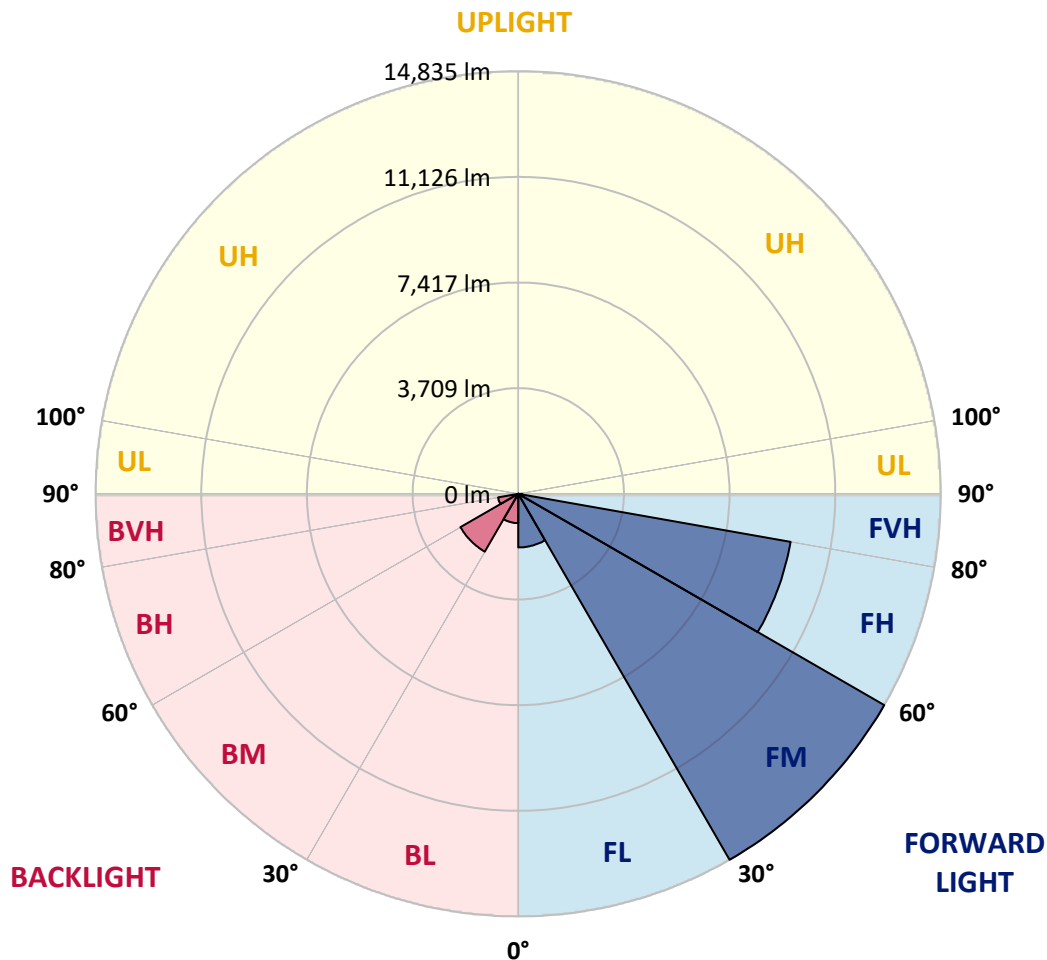
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1883.1	6.1			
FM (30°-60°)	14834.7	48.4			
FH (60°-80°)	9707.2	31.7			G4/12000
FVH (80°-90°)	137.4	0.4			G2/225
BL (0°-30°)	1029.5	3.4	B3/2500		
BM (30°-60°)	2344.3	7.6	B2/2500		
BH (60°-80°)	719.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.1	0.0			G0/10
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°	64°	65°	75°
0°	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4
2.5°	3554.1	3578.8	3572.6	3566.4	3564.4	3568.5	3570.5	3568.5	3568.5	3568.5
5°	3486.3	3506.8	3506.8	3521.2	3541.8	3566.4	3584.9	3589.0	3593.1	3599.3
7.5°	3356.8	3373.2	3385.5	3432.8	3484.2	3550.0	3605.5	3634.3	3638.4	3661.0
10°	3268.4	3288.9	3309.5	3358.8	3432.8	3531.5	3626.0	3695.9	3706.2	3759.6
12.5°	3264.3	3284.8	3311.5	3365.0	3451.3	3556.1	3671.3	3772.0	3790.5	3868.6
15°	3307.4	3332.1	3356.8	3422.5	3515.0	3642.5	3765.8	3891.2	3909.7	4020.7
17.5°	3395.8	3428.7	3447.2	3513.0	3611.6	3753.5	3915.9	4059.8	4076.2	4205.7
20°	3570.5	3609.6	3615.8	3669.2	3765.8	3917.9	4111.2	4290.0	4310.5	4458.5
22.5°	3932.3	3987.8	3938.5	3965.2	4051.5	4203.7	4413.3	4639.4	4668.2	4836.8
25°	4569.5	4647.7	4520.2	4475.0	4512.0	4670.3	4933.4	5219.1	5252.0	5387.7
27.5°	5821.4	5720.7	5527.4	5338.3	5227.3	5317.8	5613.8	5967.3	6008.5	6140.0
30°	7196.6	7108.2	6847.1	6427.8	6164.7	6150.3	6423.7	6818.3	6865.6	6991.0
32.5°	8573.8	8489.5	8205.9	7689.9	7233.6	7007.5	7196.6	7634.4	7659.1	7739.2
35°	9928.4	9842.1	9558.4	9030.1	8469.0	7955.1	7918.1	8411.4	8419.6	8503.9
37.5°	11291.3	11219.3	10917.2	10399.2	9846.2	9137.0	8793.8	9147.3	9157.6	9239.8
40°	12263.6	12294.4	12086.8	11686.0	11211.1	10436.2	9776.3	9930.5	9868.8	10006.5
42.5°	13098.1	13159.8	12978.9	12777.5	12502.0	11819.6	10993.2	10966.5	10867.8	10941.8
45°	13819.6	13871.0	13708.6	13661.4	13655.2	13176.2	12323.2	12162.8	12025.1	12010.7
47.5°	14084.8	14183.5	14253.4	14411.6	14720.0	14518.5	13698.4	13449.6	13295.5	13182.4
50°	14185.5	14290.4	14528.8	14989.3	15719.0	15805.3	15067.4	14787.8	14598.7	14393.1
52.5°	14049.9	14236.9	14557.6	15332.5	16391.2	16837.2	16380.9	16136.3	15920.4	15585.4
55°	13250.2	13437.3	14093.0	15328.4	16726.2	17560.8	17622.5	17513.5	17271.0	16742.7
57.5°	11564.7	11842.2	12880.2	14806.3	16720.1	18183.6	18839.4	18917.5	18646.1	17889.7
60°	9229.5	9605.7	10871.9	13649.0	16204.1	18520.7	19906.2	20296.8	20009.0	19020.2
62.5°	6440.1	6875.9	8074.3	11836.0	15024.2	18278.2	20685.3	21406.8	21188.9	20031.6
65°	3928.2	4068.0	5034.1	9313.8	13018.0	17262.7	20925.8	22007.0	21935.1	20650.3
67.5°	2616.7	2733.9	3011.4	6386.7	10105.2	15233.9	20350.2	21902.2	21922.7	20549.6
70°	1576.6	1677.4	1858.2	3714.4	6549.1	12058.0	18568.0	20566.0	20685.3	19203.2
72.5°	649.6	717.4	881.8	1683.5	3391.7	7652.9	14785.8	17657.4	17934.9	16146.6
75°	367.9	402.9	518.0	844.8	1471.8	3566.4	8956.1	12534.9	12944.0	11128.9
77.5°	244.6	261.1	335.1	546.8	828.4	1216.9	3827.5	6530.6	7311.7	6078.3
80°	164.4	178.8	230.2	365.9	538.6	522.1	1219.0	2419.4	2976.5	2088.5
82.5°	111.0	113.1	164.4	240.5	341.2	252.8	359.7	752.3	945.6	604.3
85°	63.7	61.7	121.3	139.8	152.1	104.8	108.9	226.1	296.0	254.9
87.5°	8.2	12.3	47.3	37.0	20.6	22.6	22.6	39.1	57.6	61.7
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°
3566.4	0°	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4
3570.5	2.5°	3570.5	3568.5	3562.3	3556.1	3541.8	3533.5	3537.6	3533.5	3531.5	3533.5
3597.3	5°	3597.3	3591.1	3574.6	3554.1	3525.3	3490.4	3467.8	3434.9	3404.0	3385.5
3669.2	7.5°	3669.2	3663.0	3640.4	3582.9	3490.4	3344.4	3210.8	3093.6	3005.3	2953.9
3784.3	10°	3784.3	3774.0	3739.1	3611.6	3369.1	3050.5	2785.3	2565.4	2421.5	2353.6
3920.0	12.5°	3920.0	3907.7	3846.0	3584.9	3138.9	2641.4	2275.5	2030.9	1897.3	1837.7
4076.2	15°	4080.3	4063.9	3942.6	3457.5	2803.8	2189.2	1854.1	1671.2	1584.8	1531.4
4275.6	17.5°	4279.7	4250.9	4014.5	3266.3	2440.0	1843.9	1595.1	1457.4	1381.3	1330.0
4536.7	20°	4538.7	4491.4	4072.1	3038.1	2104.9	1626.0	1420.4	1305.3	1247.7	1202.5
4906.7	22.5°	4900.5	4832.7	4142.0	2791.5	1868.5	1475.9	1290.9	1206.6	1159.3	1108.0
5422.6	25°	5348.6	5268.4	4228.3	2563.3	1706.1	1346.4	1196.3	1126.5	1071.0	1011.3
6098.9	27.5°	5975.6	5831.7	4331.1	2376.2	1566.3	1235.4	1110.0	1031.9	968.2	918.8
6865.6	30°	6674.5	6438.1	4421.5	2263.2	1438.9	1132.6	997.0	918.8	859.2	824.3
7554.2	32.5°	7336.4	7015.7	4481.2	2213.9	1323.8	1015.5	873.6	789.3	744.1	733.8
8228.5	35°	7961.2	7537.8	4475.0	2166.6	1221.0	898.3	752.3	666.0	631.1	637.2
8954.1	37.5°	8680.7	8094.9	4431.8	2092.6	1136.7	791.4	647.5	571.5	540.6	542.7
9835.9	40°	9517.3	8738.3	4405.1	1952.8	1044.2	692.7	561.2	499.5	476.9	468.7
10765.1	42.5°	10409.4	9361.1	4409.2	1794.5	929.1	604.3	501.6	450.2	429.6	423.4
11799.0	45°	11305.7	9955.2	4415.4	1630.1	807.8	536.5	458.4	415.2	402.9	394.7
12847.4	47.5°	12148.5	10460.8	4300.3	1453.3	688.6	485.1	423.4	394.7	384.4	374.1
13899.8	50°	12933.7	10797.9	4022.8	1247.7	594.1	444.0	396.7	376.2	365.9	355.6
14853.6	52.5°	13544.2	10851.4	3564.4	1036.0	528.3	413.2	380.3	361.8	349.4	339.2
15624.4	55°	13815.5	10516.3	2912.8	838.7	476.9	386.4	363.8	345.3	330.9	320.7
16230.8	57.5°	13745.6	9811.3	2271.4	674.2	427.6	359.7	343.3	330.9	314.5	298.1
16722.1	60°	13402.4	8867.8	1712.3	561.2	382.3	330.9	320.7	310.4	287.8	263.1
16911.2	62.5°	12808.3	7681.7	1221.0	464.6	333.0	298.1	293.9	285.7	252.8	207.6
16631.7	65°	11899.7	6240.7	822.2	386.4	285.7	261.1	263.1	248.7	205.6	154.2
15608.0	67.5°	10571.8	4563.4	526.2	316.6	238.4	217.9	219.9	211.7	174.7	131.6
13667.5	70°	8880.1	3021.7	343.3	240.5	191.2	168.6	180.9	182.9	148.0	106.9
10489.6	72.5°	6510.0	1784.2	240.5	178.8	139.8	117.2	148.0	152.1	119.2	80.2
6310.6	75°	3710.3	846.9	180.9	129.5	86.3	82.2	115.1	115.1	82.2	53.4
2731.9	77.5°	1558.1	353.6	127.4	84.3	49.3	47.3	78.1	71.9	41.1	24.7
666.0	80°	450.2	158.3	67.8	41.1	20.6	18.5	30.8	22.6	10.3	4.1
252.8	82.5°	176.8	69.9	26.7	16.4	8.2	8.2	4.1	0.0	0.0	0.0
143.9	85°	104.8	28.8	12.3	6.2	2.1	0.0	0.0	0.0	0.0	0.0
30.8	87.5°	26.7	6.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3566.4
3541.8
3389.6
2955.9
2347.5
1831.5
1533.5
1325.8
1194.3
1099.7
1005.2
908.6
818.1
740.0
637.2
550.9
466.6
421.4
394.7
374.1
355.6
337.1
318.6
296.0
259.0
203.5
150.1
125.4
102.8
76.1
49.3
24.7
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