

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: P852818

Luminaire Tested: **GLAN-SB6C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29525 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

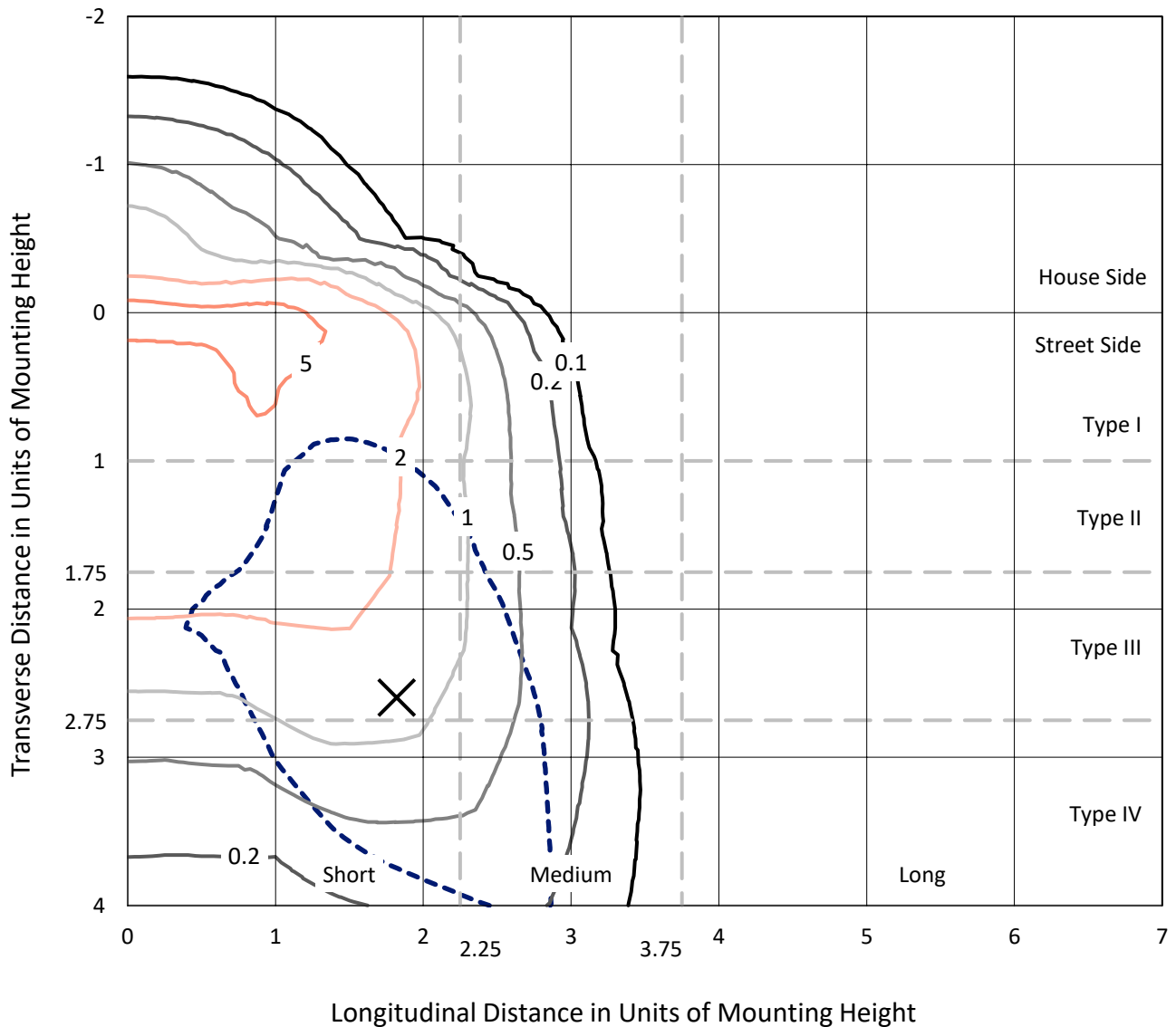
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

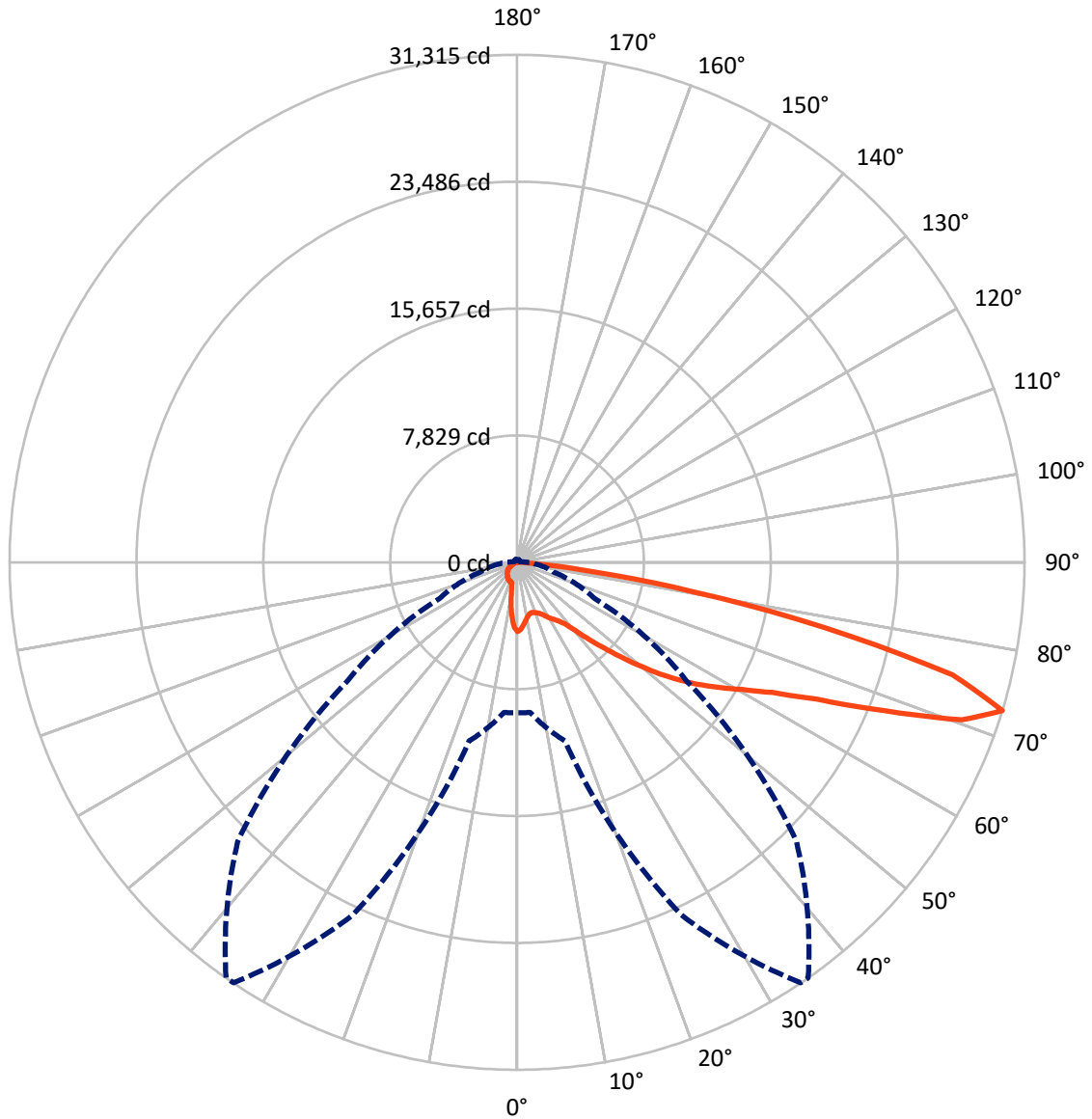
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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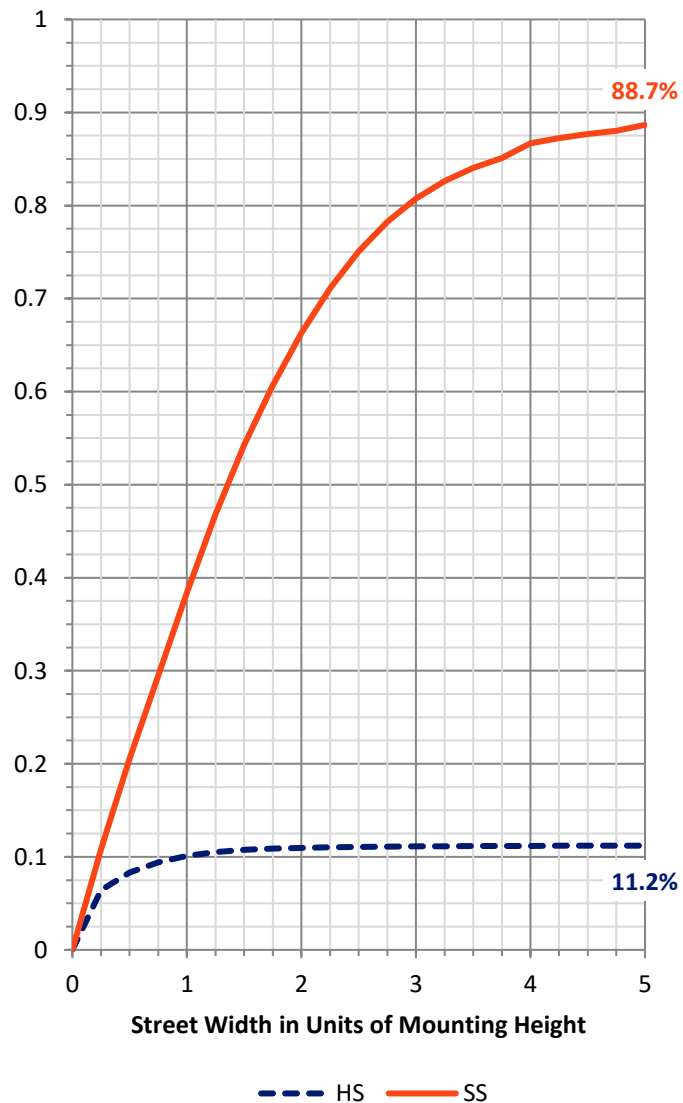
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3322.9	0.0	3322.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	26202.1	0.0	26202.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	29525.0	0.0	29525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.6	1.2
10°-20°	822.6	2.8
20°-30°	1336.3	4.5
30°-40°	2229.6	7.6
40°-50°	4218.5	14.3
50°-60°	6703.1	22.7
60°-70°	8292.2	28.1
70°-80°	5154.5	17.5
80°-90°	416.6	1.4
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°	29525.0	100.0
0°-180°	29525.0	100.0

Coefficient of Utilization

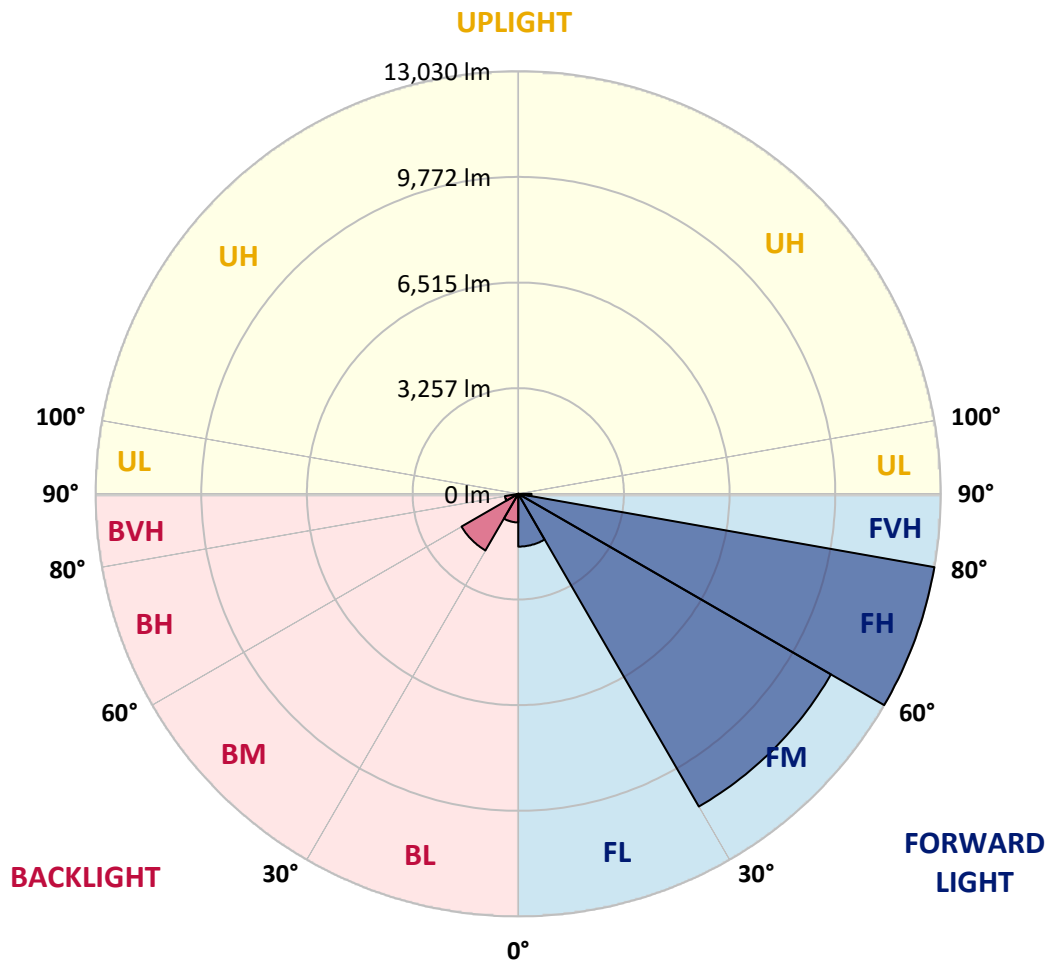


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1627.6	5.5			
FM (30°-60°)	11133.9	37.7			
FH (60°-80°)	13029.7	44.1			G5
FVH (80°-90°)	410.9	1.4			G3/500
BL (0°-30°)	883.0	3.0	B2/1000		
BM (30°-60°)	2017.3	6.8	B2/2500		
BH (60°-80°)	417.0	1.4	B1/500		G1/500
BVH (80°-90°)	5.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2
2.5°	4088.8	4123.4	4129.9	4140.7	4140.7	4153.7	4175.3	4205.6	4255.4	4281.3
5°	3768.6	3794.6	3827.0	3853.0	3902.7	3909.2	3993.6	4075.8	4190.5	4277.0
7.5°	3446.3	3476.5	3519.8	3582.6	3647.5	3666.9	3794.6	3933.0	4114.7	4277.0
10°	3219.1	3221.3	3260.2	3322.9	3426.8	3450.6	3606.4	3803.2	4030.4	4251.0
12.5°	3091.5	3106.6	3123.9	3171.5	3271.0	3286.2	3452.8	3684.2	3946.0	4235.9
15°	3091.5	3102.3	3113.1	3136.9	3216.9	3229.9	3377.0	3608.5	3902.7	4242.4
17.5°	3123.9	3141.2	3132.6	3160.7	3245.1	3253.7	3383.5	3586.9	3900.6	4283.5
20°	3201.8	3214.8	3197.5	3214.8	3299.2	3316.5	3450.6	3628.0	3937.3	4354.9
22.5°	3325.1	3331.6	3290.5	3303.5	3390.0	3411.6	3567.4	3744.8	4026.0	4469.5
25°	3480.9	3493.9	3431.1	3446.3	3528.5	3554.4	3734.0	3920.0	4166.7	4627.5
27.5°	3660.4	3666.9	3612.8	3610.7	3716.7	3753.5	3935.2	4136.4	4354.9	4826.5
30°	3866.0	3885.4	3833.5	3824.9	3959.0	3989.3	4168.8	4402.5	4631.8	5125.0
32.5°	4028.2	4043.4	4013.1	4034.7	4171.0	4194.8	4452.2	4778.9	5066.6	5549.1
35°	4261.9	4270.5	4201.3	4240.2	4396.0	4456.6	4839.5	5306.8	5614.0	6081.3
37.5°	5107.7	5107.7	4813.5	4621.0	4770.2	4824.3	5369.5	5970.9	6288.9	6795.2
40°	6278.1	6258.7	5828.1	5434.4	5414.9	5520.9	6124.5	6808.2	7160.8	7651.9
42.5°	7526.4	7496.1	6909.8	6520.4	6455.5	6492.3	6996.4	7840.1	8199.2	8696.8
45°	8634.0	8625.4	8088.9	7565.3	7448.5	7565.3	8084.5	9047.2	9304.7	9828.2
47.5°	9562.1	9562.1	9170.6	8828.7	8768.2	8837.4	9557.8	10386.4	10362.6	11033.2
50°	10630.8	10622.2	10250.1	10103.0	10165.7	10263.1	11253.9	11796.9	11457.3	12216.6
52.5°	11379.4	11431.3	11303.7	11279.9	11600.0	11768.8	12975.9	13177.1	12437.3	13339.4
55°	11972.1	12032.7	12179.8	12346.4	12963.0	13183.6	14643.9	14486.0	13257.2	14312.9
57.5°	12811.5	12725.0	12952.1	13281.0	14278.3	14544.4	16260.0	15721.3	13917.0	15102.5
60°	13830.5	13843.5	13882.4	14297.8	15591.5	15933.3	17852.2	16889.5	14341.0	15587.1
62.5°	15055.0	15074.4	15154.5	15792.7	17354.6	17677.0	19548.3	17845.7	14535.7	15450.8
65°	14970.6	15052.8	15946.3	18129.1	20035.0	20353.1	21527.8	18516.4	14241.5	14204.7
67.5°	13637.9	13772.1	15267.0	20919.9	24076.2	24431.0	23920.5	18648.3	12971.6	11046.2
70°	11889.9	11937.5	13735.3	23429.4	28755.6	29114.7	26062.2	17196.7	9843.4	6161.3
72.5°	9285.2	9296.0	11405.3	24011.3	31295.4	31314.9	24381.3	12766.1	5293.8	2366.7
75°	6632.9	6568.0	7638.9	19472.6	27533.3	27754.0	18278.4	5988.2	2022.8	1118.5
77.5°	3556.6	3628.0	4322.4	11548.1	19020.4	19396.9	9973.2	1726.4	1029.8	761.5
80°	1099.0	1159.6	1771.8	5287.3	10773.6	11000.8	3697.2	768.0	718.2	543.0
82.5°	346.1	359.1	826.4	2221.8	4471.7	4575.5	1070.9	434.8	491.1	359.1
85°	99.5	101.7	367.8	828.6	1105.5	1127.1	300.7	168.7	281.2	222.8
87.5°	10.8	34.6	138.5	138.5	97.4	95.2	32.5	36.8	80.0	28.1
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°
4279.2	0°	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2	4279.2
4298.6	2.5°	4287.8	4290.0	4261.9	4214.3	4162.3	4119.1	4065.0	4021.7	3991.4	3982.8
4337.6	5°	4318.1	4303.0	4222.9	4078.0	3904.9	3755.6	3589.0	3457.1	3370.5	3333.8
4378.7	7.5°	4363.5	4320.3	4145.0	3859.5	3528.5	3234.3	2935.7	2704.2	2557.1	2483.6
4417.6	10°	4402.5	4315.9	4015.2	3543.6	3037.4	2591.7	2189.3	1910.3	1754.5	1680.9
4463.0	12.5°	4439.3	4313.8	3846.5	3169.3	2483.6	1938.4	1564.1	1425.7	1382.4	1367.3
4536.6	15°	4508.5	4320.3	3634.5	2741.0	1931.9	1464.6	1328.3	1326.2	1334.8	1330.5
4649.1	17.5°	4603.7	4326.8	3394.3	2286.7	1490.6	1291.5	1285.0	1304.5	1317.5	1311.0
4789.7	20°	4727.0	4352.7	3139.1	1836.7	1280.7	1248.3	1263.4	1280.7	1291.5	1280.7
4977.9	22.5°	4900.1	4398.1	2860.0	1475.4	1213.7	1222.3	1235.3	1254.8	1265.6	1250.4
5218.1	25°	5112.1	4469.5	2585.2	1282.9	1181.2	1192.0	1211.5	1233.1	1246.1	1231.0
5520.9	27.5°	5386.8	4584.2	2332.1	1239.6	1148.8	1155.2	1183.4	1215.8	1233.1	1213.7
5951.5	30°	5784.9	4772.4	2113.6	1259.1	1129.3	1114.1	1153.1	1198.5	1218.0	1200.7
6537.7	32.5°	6312.7	5038.5	1979.5	1289.4	1120.6	1066.5	1103.3	1161.7	1194.2	1183.4
7303.6	35°	7005.0	5443.1	1927.6	1324.0	1114.1	1016.8	1042.7	1105.5	1161.7	1172.6
8268.4	37.5°	7844.4	6005.5	1942.7	1339.1	1094.7	975.7	988.7	1042.7	1116.3	1150.9
9354.4	40°	8798.5	6661.0	2029.2	1324.0	1073.0	941.1	943.2	984.3	1049.2	1101.2
10522.7	42.5°	9782.8	7426.9	2189.3	1267.7	1053.6	910.8	904.3	932.4	975.7	1012.5
11688.7	45°	10719.5	8214.3	2347.3	1189.9	1029.8	880.5	865.4	876.2	884.8	900.0
12824.5	47.5°	11537.3	8768.2	2301.8	1118.5	997.3	845.9	819.9	815.6	789.6	787.5
13839.1	50°	12101.9	8889.3	2044.4	1047.1	949.7	806.9	765.8	739.9	694.4	672.8
14598.5	52.5°	12281.5	8411.2	1670.1	975.7	871.8	755.0	696.6	655.5	599.3	579.8
15035.5	55°	12043.5	7474.5	1334.8	889.1	763.7	685.8	620.9	566.8	521.4	497.6
15083.1	57.5°	11461.6	6282.5	1055.7	787.5	649.0	607.9	543.0	488.9	450.0	426.2
14555.2	60°	10496.7	4988.8	835.1	666.3	553.8	523.5	456.5	421.9	387.2	359.1
13192.3	62.5°	9032.1	3560.9	655.5	527.9	463.0	428.3	389.4	363.4	322.3	283.4
10741.2	65°	7048.3	2178.5	506.2	387.2	372.1	354.8	331.0	307.2	257.4	218.5
7007.2	67.5°	4445.7	1031.9	361.3	292.1	294.2	285.6	274.7	255.3	218.5	183.9
3139.1	70°	1957.9	499.7	238.0	222.8	218.5	218.5	227.2	220.7	186.1	153.6
1090.3	72.5°	666.3	268.3	177.4	168.7	157.9	155.8	190.4	183.9	149.3	119.0
543.0	75°	348.3	179.6	129.8	121.1	95.2	114.7	151.4	142.8	106.0	77.9
359.1	77.5°	227.2	127.6	88.7	77.9	54.1	75.7	112.5	99.5	62.7	38.9
235.8	80°	142.8	84.4	51.9	36.8	26.0	41.1	60.6	43.3	23.8	8.7
138.5	82.5°	75.7	43.3	19.5	13.0	10.8	13.0	15.1	10.8	4.3	0.0
71.4	85°	30.3	15.1	6.5	4.3	2.2	0.0	4.3	2.2	0.0	0.0
13.0	87.5°	10.8	2.2	0.0	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°
4279.2
3997.9
3346.7
2494.4
1683.1
1362.9
1328.3
1308.8
1278.6
1248.3
1228.8
1213.7
1198.5
1183.4
1172.6
1159.6
1118.5
1027.6
908.6
785.3
675.0
577.6
497.6
421.9
352.6
276.9
212.0
179.6
147.1
112.5
71.4
34.6
6.5
0.0
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0.0

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