

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: P850216

Luminaire Tested: **GLAN-SB7C-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46931 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

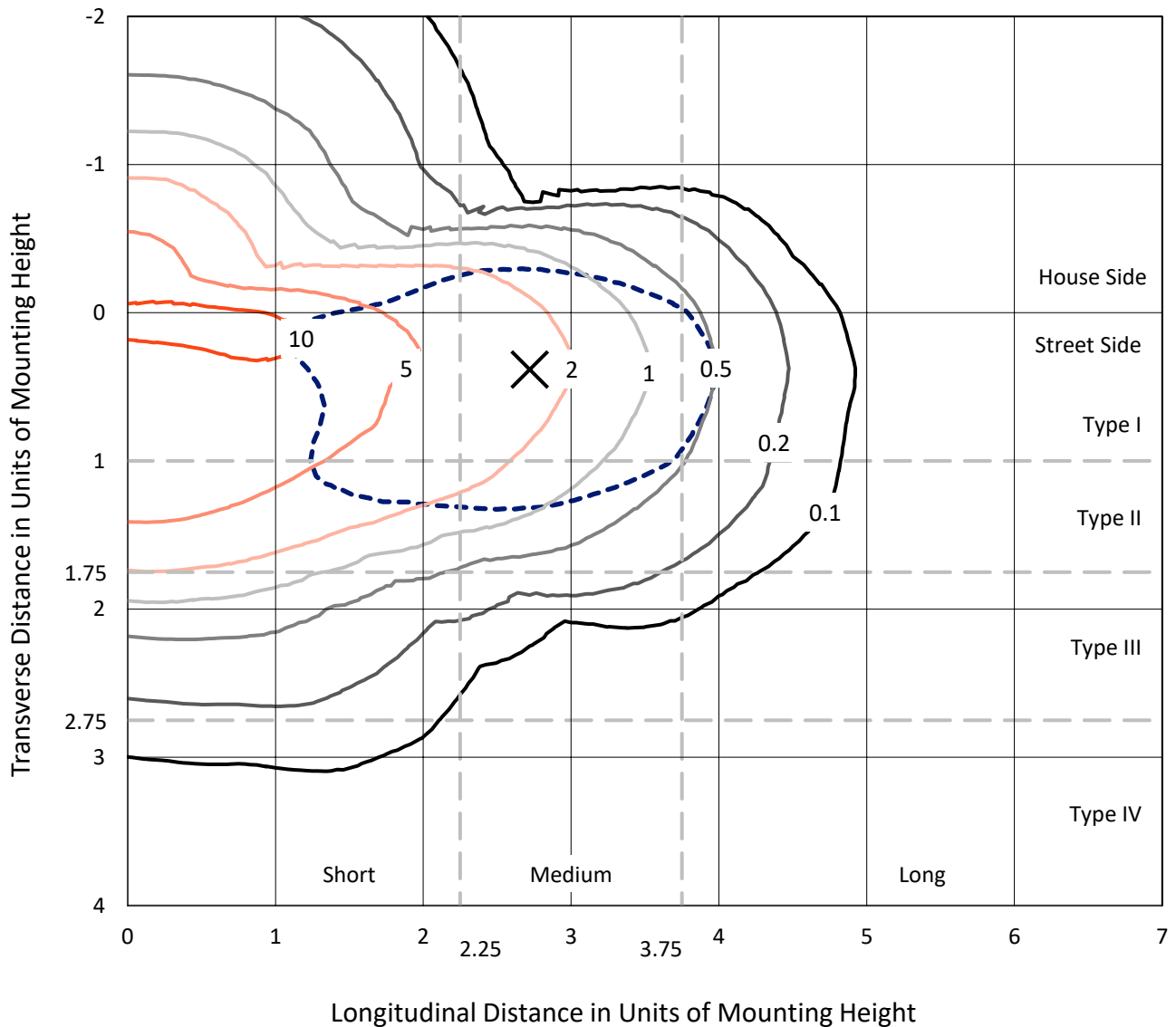
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

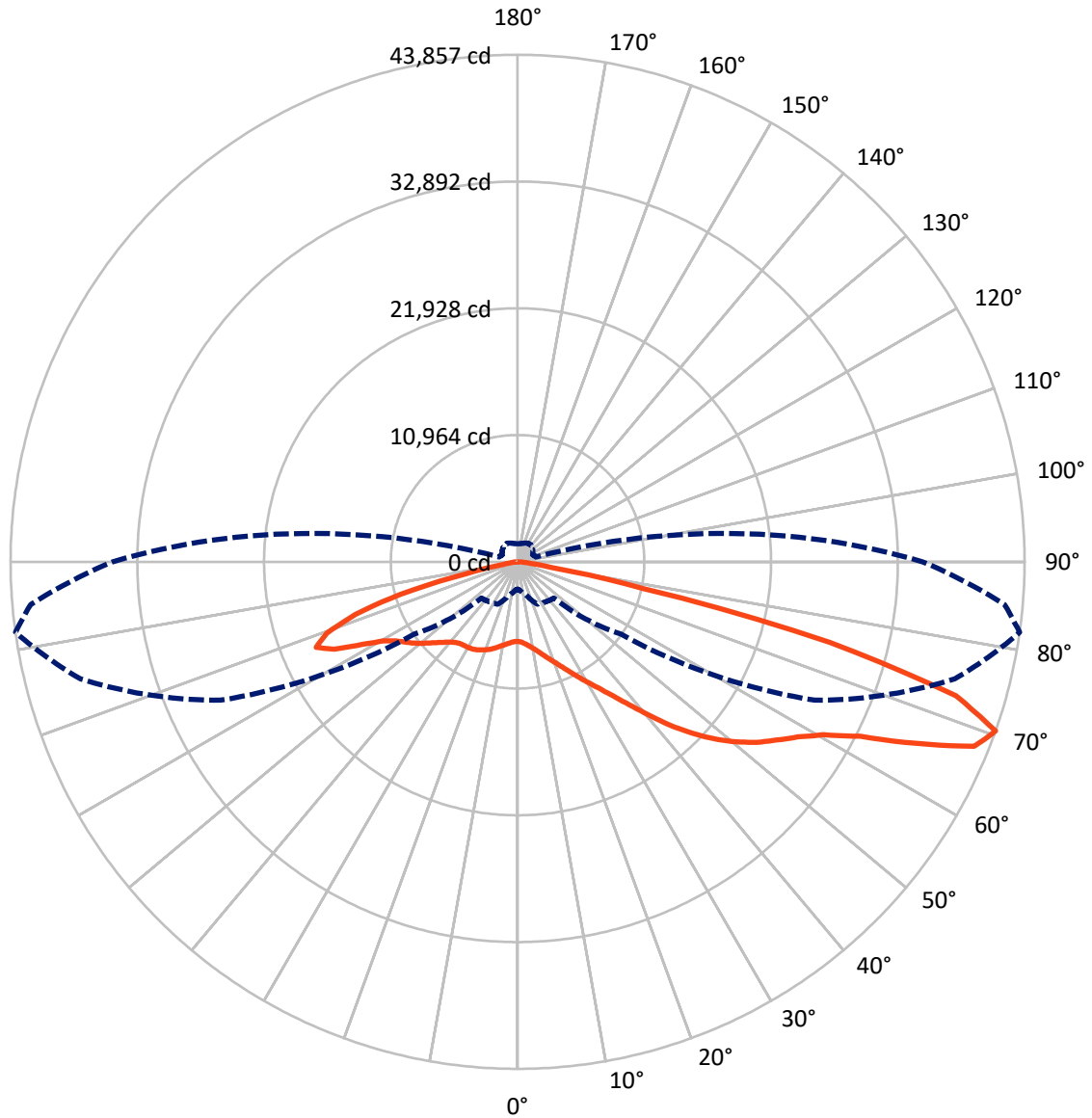
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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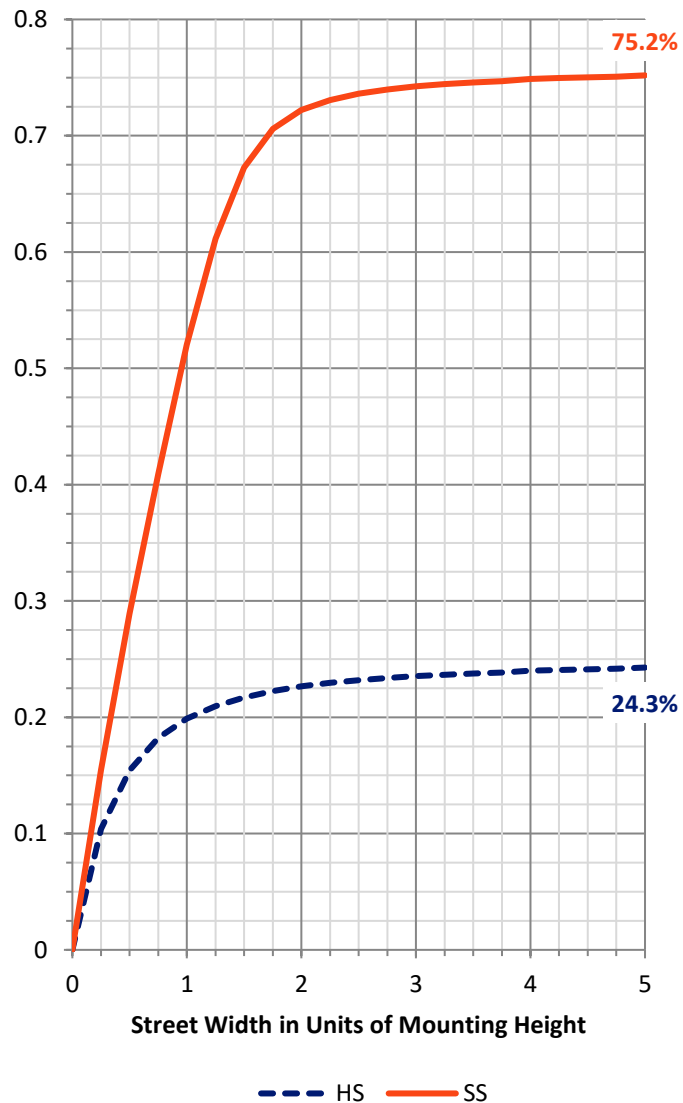
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11569.6	0.0	11569.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	35361.4	0.0	35361.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	46931.0	0.0	46931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.7	1.4
10°-20°	1866.5	4.0
20°-30°	3122.5	6.7
30°-40°	4878.1	10.4
40°-50°	7769.0	16.6
50°-60°	10811.4	23.0
60°-70°	11309.3	24.1
70°-80°	5910.8	12.6
80°-90°	613.8	1.3
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°	46931.0	100.0
0°-180°	46931.0	100.0

Coefficient of Utilization

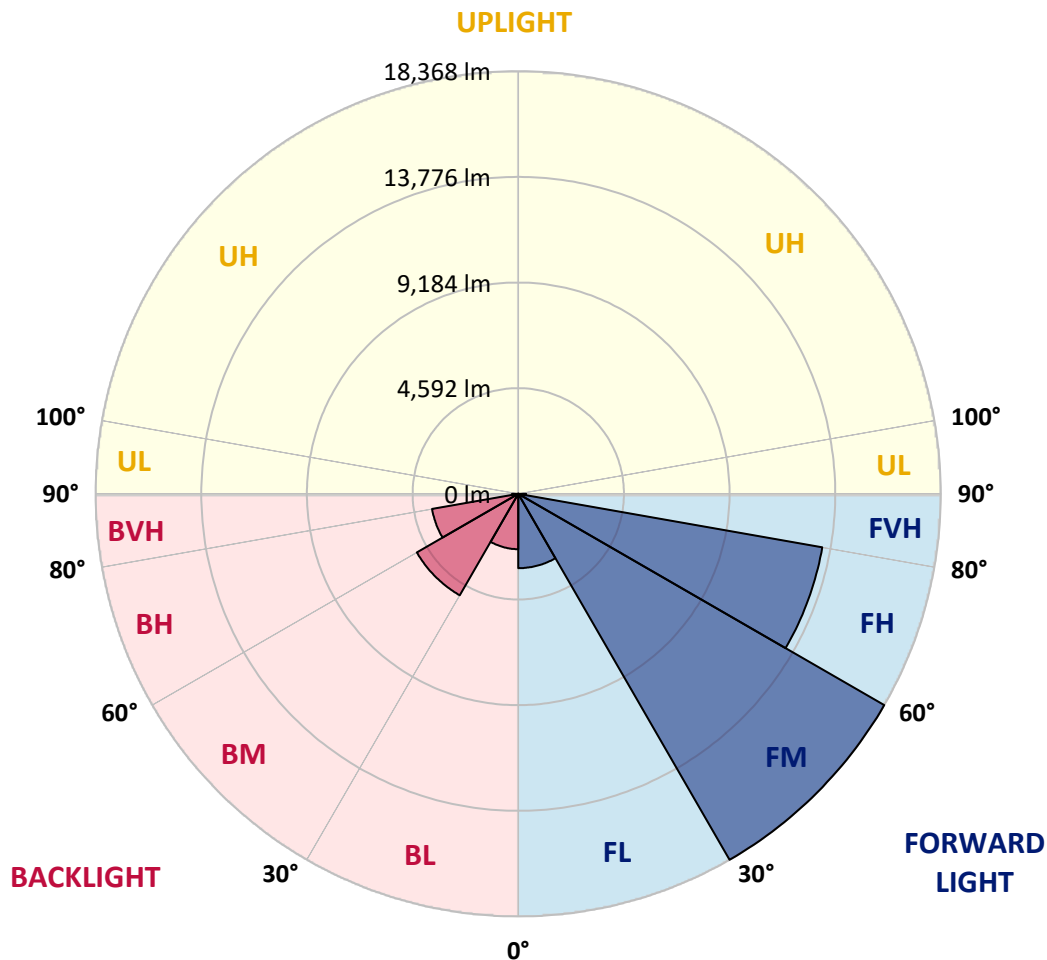


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3231.7	6.9			
FM (30°-60°)	18368.3	39.1			
FH (60°-80°)	13417.7	28.6			G5
FVH (80°-90°)	343.6	0.7			G3/500
BL (0°-30°)	2406.9	5.1	B3/2500		
BM (30°-60°)	5090.2	10.8	B4/8500		
BH (60°-80°)	3802.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	270.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7
2.5°	7045.0	7084.9	7072.4	7060.0	7060.0	7042.5	7040.1	7015.1	6995.2	6962.9
5°	7134.7	7177.0	7172.0	7182.0	7214.4	7221.8	7229.3	7214.4	7174.5	7134.7
7.5°	7055.0	7102.3	7117.2	7177.0	7276.6	7366.3	7433.5	7460.9	7423.6	7366.3
10°	6786.0	6838.3	6890.6	7032.6	7209.4	7421.1	7600.4	7707.4	7700.0	7645.2
12.5°	6240.7	6295.5	6407.5	6683.9	7007.7	7381.2	7714.9	7939.0	8016.2	7976.4
15°	5804.9	5852.2	5936.9	6220.7	6641.6	7209.4	7757.3	8193.1	8389.8	8367.4
17.5°	5792.4	5812.3	5864.6	5999.1	6322.8	6940.4	7712.4	8442.1	8818.1	8815.6
20°	6011.6	6019.0	6048.9	6076.3	6260.6	6736.2	7597.9	8648.8	9298.7	9298.7
22.5°	6315.4	6310.4	6340.3	6315.4	6405.0	6718.8	7525.7	8830.6	9834.2	9874.0
25°	6771.1	6746.2	6738.7	6681.4	6698.9	6880.7	7605.3	9037.3	10469.2	10551.4
27.5°	7378.7	7338.9	7311.5	7179.5	7134.7	7214.4	7849.4	9286.3	11176.4	11318.4
30°	8170.6	8098.4	8058.6	7829.5	7667.6	7680.1	8218.0	9617.5	11916.0	12145.1
32.5°	9251.4	9139.4	9032.3	8656.2	8359.9	8262.8	8693.6	10075.7	12717.9	13084.0
35°	10461.7	10372.1	10257.5	9677.3	9221.5	8997.4	9336.1	10715.7	13656.8	14237.0
37.5°	11627.2	11550.0	11604.8	10822.8	10235.1	9908.9	10177.8	11574.9	14814.7	15671.4
40°	12832.5	12772.7	12780.2	12033.1	11348.3	10982.2	11198.8	12653.2	16142.1	17377.2
42.5°	14142.4	14097.5	13948.1	13285.7	12516.2	12175.0	12374.3	13898.3	17566.5	19319.7
45°	15609.1	15581.7	15442.3	14682.8	13801.2	13417.7	13686.6	15272.9	18998.4	21147.5
47.5°	16876.7	16899.1	16881.7	16241.7	15327.7	14764.9	15086.2	16707.4	20330.7	22865.8
50°	17486.8	17603.9	17775.7	17576.5	17008.7	16435.9	16498.2	18092.0	21600.8	24477.1
52.5°	17168.1	17389.7	17857.9	18176.6	18395.8	18276.2	18109.4	19466.6	22796.1	25931.4
55°	15980.2	16291.5	17068.4	17837.9	18956.1	19825.2	20044.3	20990.7	23961.6	27211.4
57.5°	13816.1	14321.7	15018.9	16575.4	18458.0	20574.8	22300.5	23104.9	25196.8	28578.6
60°	10105.6	10783.0	11649.6	13965.5	16714.8	20173.8	24220.6	26352.2	26952.4	30349.2
62.5°	6467.3	6885.7	7682.5	9864.0	13024.2	18119.4	24808.3	30411.4	29928.3	33252.8
65°	4427.7	4696.7	5426.3	6651.6	8419.7	13487.4	23234.4	33454.6	34654.9	37854.9
67.5°	3217.5	3421.7	4044.2	5117.5	5486.1	7981.4	18029.7	33315.1	39249.5	42596.4
70°	2345.9	2490.3	3013.3	4044.2	4221.0	4440.2	10922.4	28319.6	39149.9	43856.5
72.5°	1738.2	1837.8	2189.0	3137.8	3416.7	2998.3	5406.4	20582.2	33641.3	39667.8
75°	1257.6	1332.3	1591.3	2400.6	2734.3	2283.6	2697.0	12028.1	23466.0	27903.7
77.5°	961.3	1018.5	1187.9	1758.1	2189.0	1713.3	1673.5	5533.4	11126.6	11181.4
80°	772.0	809.3	901.5	1237.7	1678.5	1282.5	1090.7	2233.8	3516.3	2975.9
82.5°	567.8	630.0	762.0	869.1	1200.3	884.1	664.9	1128.1	1337.3	1150.5
85°	323.7	366.1	460.7	622.6	767.0	540.4	381.0	500.5	622.6	510.5
87.5°	114.6	149.4	161.9	244.0	333.7	224.1	146.9	144.4	204.2	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°
6880.7	0°	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7	6880.7
6955.4	2.5°	6930.5	6918.0	6868.2	6801.0	6731.3	6664.0	6641.6	6594.3	6561.9	6544.5
7117.2	5°	7069.9	7030.1	6913.0	6763.6	6606.7	6437.4	6317.9	6208.3	6128.6	6053.9
7338.9	7.5°	7269.2	7199.4	6997.7	6736.2	6457.3	6175.9	5966.7	5807.4	5700.3	5630.5
7597.9	10°	7500.8	7393.7	7084.9	6693.9	6263.1	5859.7	5613.1	5476.1	5408.9	5371.6
7894.2	12.5°	7767.2	7615.3	7174.5	6596.8	5966.7	5506.0	5336.7	5296.8	5299.3	5301.8
8267.8	15°	8095.9	7884.3	7246.7	6385.1	5580.7	5234.6	5204.7	5269.5	5336.7	5369.1
8691.1	17.5°	8467.0	8168.2	7259.2	6036.5	5202.2	5060.3	5154.9	5294.4	5396.5	5441.3
9164.3	20°	8865.4	8457.0	7169.5	5543.4	4890.9	4918.3	5087.7	5267.0	5379.0	5436.3
9704.7	22.5°	9321.2	8765.8	6955.4	5025.4	4636.9	4763.9	4963.1	5137.5	5254.5	5311.8
10339.7	25°	9841.6	9112.0	6619.2	4589.6	4417.8	4589.6	4788.8	4933.3	5027.9	5080.2
11049.4	27.5°	10419.4	9473.1	6170.9	4243.5	4226.0	4410.3	4574.7	4686.7	4736.5	4776.4
11804.0	30°	10999.6	9801.8	5628.1	3982.0	4059.2	4233.5	4350.5	4400.3	4415.3	4422.8
12645.7	32.5°	11627.2	10085.7	5057.8	3765.3	3899.8	4061.7	4131.4	4153.8	4084.1	4036.8
13666.7	35°	12386.7	10389.5	4500.0	3593.5	3742.9	3882.4	3904.8	3884.9	3802.7	3705.6
14946.7	37.5°	13325.5	10768.0	4054.2	3471.5	3596.0	3688.1	3660.7	3655.7	3663.2	3548.7
16485.7	40°	14476.1	11261.1	3728.0	3376.8	3476.4	3496.4	3419.2	3461.5	3498.9	3324.5
18174.1	42.5°	15753.6	11856.3	3521.3	3312.1	3376.8	3329.5	3210.0	3257.3	3252.3	3023.2
19870.0	45°	17056.0	12503.7	3449.1	3264.8	3284.7	3190.1	3058.1	3070.5	2965.9	2759.2
21496.2	47.5°	18350.9	13198.5	3493.9	3224.9	3170.1	3063.1	2961.0	2906.2	2751.8	2597.4
23055.1	50°	19621.0	13928.2	3658.2	3145.2	3013.3	2951.0	2876.3	2779.2	2614.8	2482.8
24529.4	52.5°	20798.9	14662.8	3842.5	3013.3	2816.5	2853.9	2806.6	2694.5	2532.6	2398.1
25923.9	55°	21914.6	15397.5	3914.7	2831.5	2632.2	2769.2	2741.8	2535.1	2340.9	2231.3
27383.2	57.5°	23129.8	16281.5	3835.0	2599.9	2482.8	2672.1	2567.5	2338.4	2226.3	2144.1
29283.3	60°	24813.3	17668.6	3663.2	2313.5	2340.9	2527.6	2348.3	2253.7	2131.7	2039.5
32132.2	62.5°	27609.8	20256.0	3386.8	2029.6	2174.0	2313.5	2243.8	2149.1	2024.6	1935.0
37003.2	65°	31743.7	23852.0	2866.3	1808.0	1987.3	2104.3	2131.7	2037.1	1907.6	1812.9
41271.6	67.5°	35230.1	26108.2	2169.0	1623.7	1795.5	1935.0	2012.2	1920.0	1783.0	1690.9
42270.2	70°	35038.4	24469.6	1656.0	1441.9	1626.2	1768.1	1867.7	1795.5	1648.6	1561.4
38395.3	72.5°	31121.2	20470.2	1339.8	1257.6	1454.3	1593.8	1713.3	1658.5	1509.1	1424.4
28127.8	75°	22863.4	14530.8	1070.8	1070.8	1240.2	1412.0	1544.0	1509.1	1372.1	1312.4
11809.0	77.5°	9637.4	6096.2	839.2	889.0	1031.0	1212.8	1377.1	1389.6	1270.0	1344.8
3122.8	80°	2562.5	1680.9	640.0	699.8	809.3	1001.1	1197.8	1192.8	1063.4	993.6
1160.5	82.5°	976.2	662.4	455.7	493.1	585.2	767.0	948.8	978.7	849.2	734.6
455.7	85°	376.0	283.9	281.4	296.3	341.2	508.0	717.2	742.1	640.0	542.9
127.0	87.5°	97.1	84.7	104.6	99.6	156.9	271.4	410.9	425.8	391.0	226.6
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>
6880.7
6564.4
6083.8
5645.5
5381.5
5306.8
5366.6
5451.2
5451.2
5326.7
5095.1
4791.3
4440.2
4051.7
3710.5
3556.1
3329.5
3020.7
2766.7
2597.4
2472.9
2400.6
2221.3
2136.7
2034.6
1935.0
1817.9
1693.4
1568.9
1424.4
1295.0
1220.2
923.9
734.6
560.3
323.7
0.0

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