

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: P847425

Luminaire Tested: **GLAN-SB3C-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16101 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

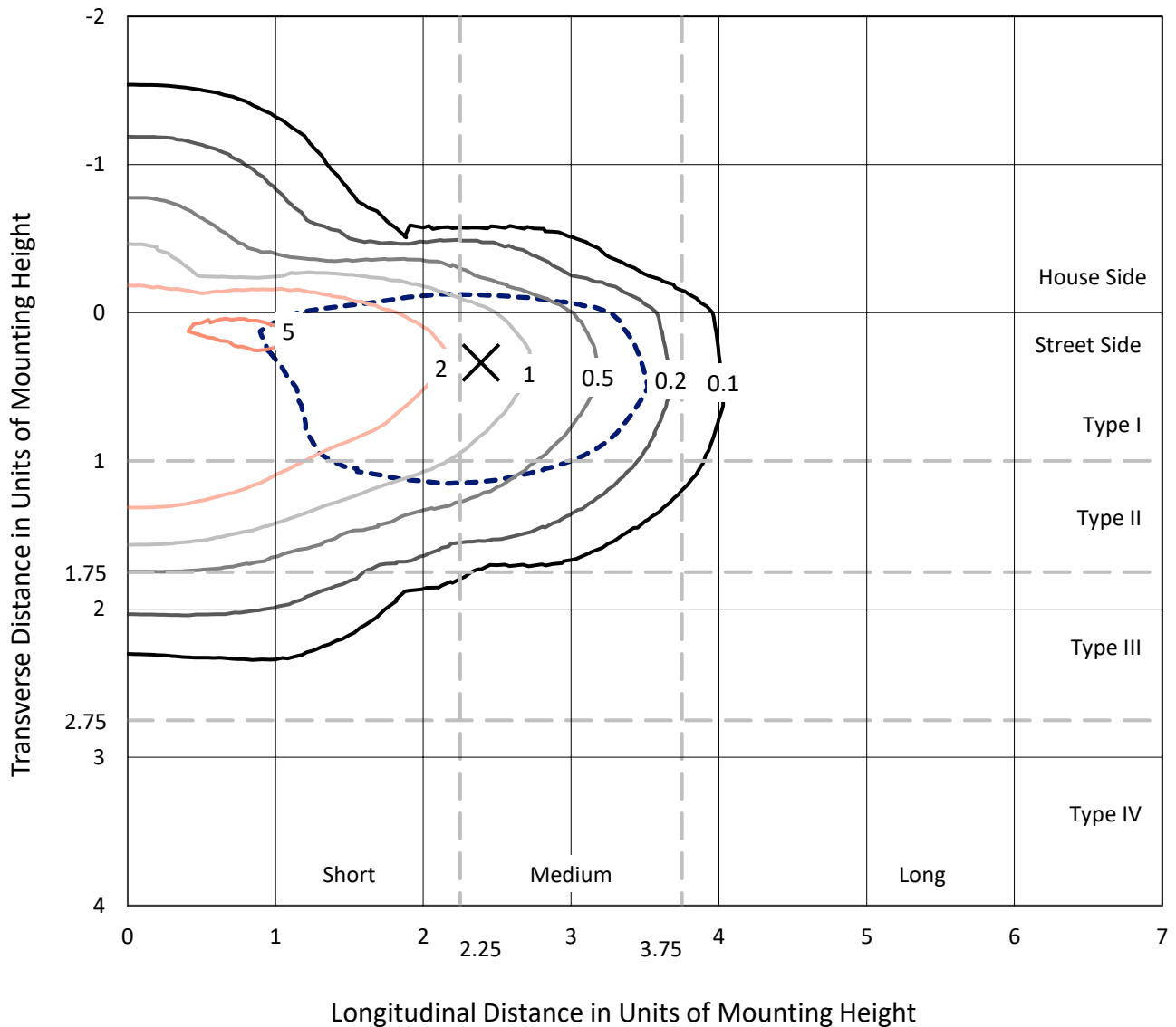
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

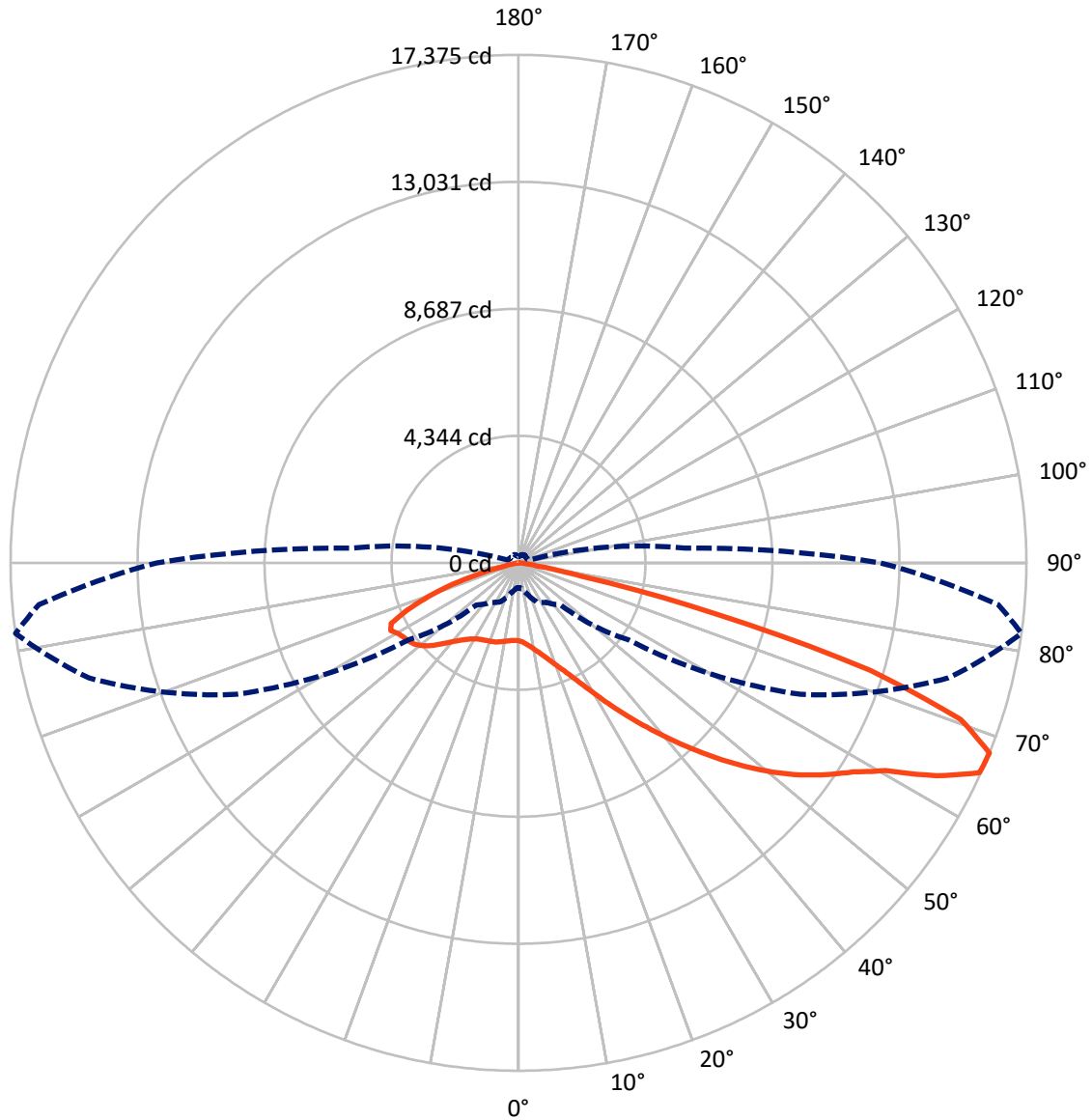
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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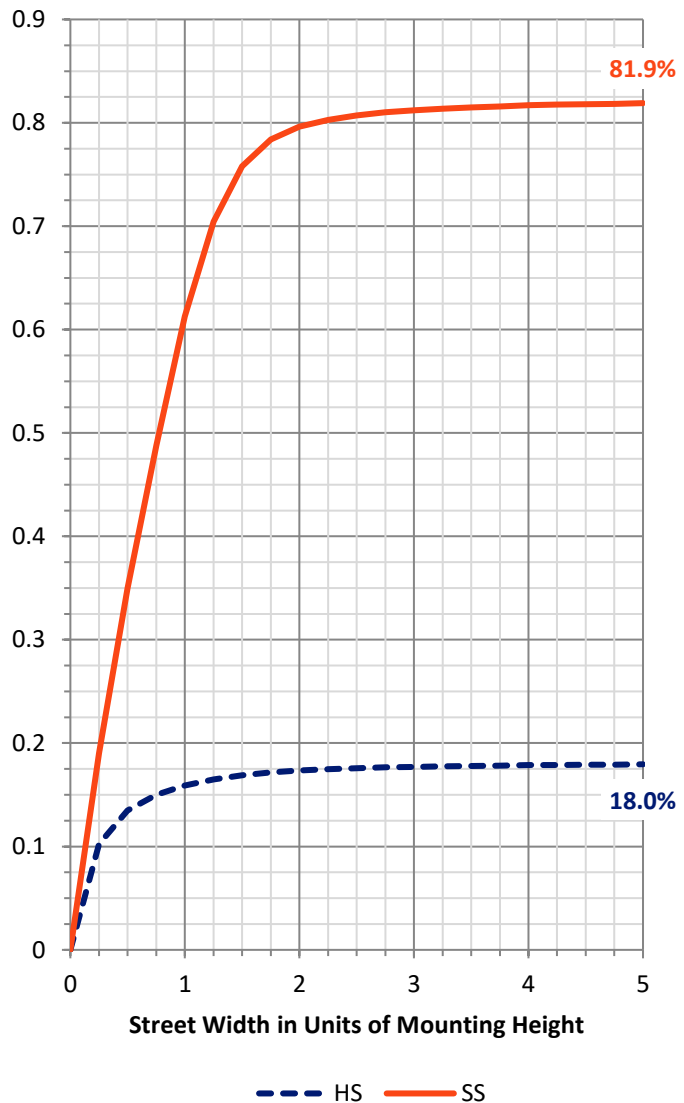
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2916.6	0.0	2916.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13184.4	0.0	13184.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	16101.0	0.0	16101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	1.5
10°-20°	617.5	3.8
20°-30°	989.1	6.1
30°-40°	1749.0	10.9
40°-50°	3064.5	19.0
50°-60°	4087.2	25.4
60°-70°	3805.0	23.6
70°-80°	1460.3	9.1
80°-90°	90.7	0.6
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°	16101.0	100.0
0°-180°	16101.0	100.0

Coefficient of Utilization

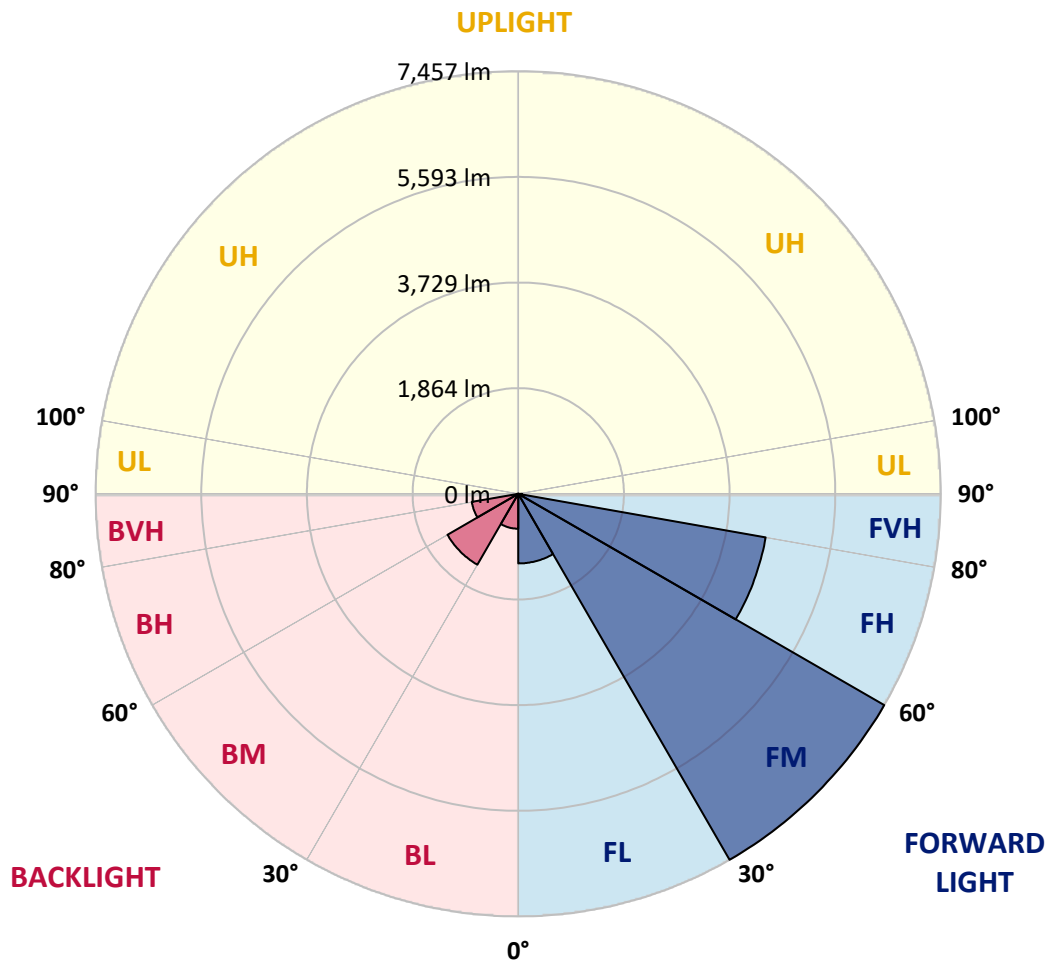


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1228.3	7.6			
FM (30°-60°)	7457.3	46.3			
FH (60°-80°)	4432.9	27.5			G2/5000
FVH (80°-90°)	65.9	0.4			G1/100
BL (0°-30°)	616.0	3.8	B2/1000		
BM (30°-60°)	1443.4	9.0	B2/2500		
BH (60°-80°)	832.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	24.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2819.3	2835.5	2826.2	2821.6	2813.5	2801.9	2792.6	2763.6	2733.5	2713.8
5°	2876.1	2892.3	2891.1	2895.8	2901.6	2905.0	2902.7	2870.3	2827.4	2793.7
7.5°	2827.4	2845.9	2861.0	2884.2	2924.7	2967.6	2988.5	2981.5	2937.5	2891.1
10°	2689.4	2709.1	2745.1	2799.5	2885.3	2978.1	3055.7	3091.7	3063.8	3012.8
12.5°	2436.7	2456.4	2527.1	2645.4	2789.1	2950.2	3098.6	3194.8	3201.8	3150.8
15°	2152.7	2172.4	2247.7	2396.1	2615.2	2873.7	3121.8	3303.8	3365.2	3321.2
17.5°	1976.5	1993.9	2050.7	2170.1	2398.4	2720.7	3113.7	3419.7	3560.0	3525.2
20°	1923.2	1938.2	1964.9	2048.4	2238.5	2561.9	3060.4	3528.7	3769.8	3750.1
22.5°	1980.0	1993.9	2002.0	2039.1	2158.5	2457.6	2993.1	3640.0	4013.3	4015.6
25°	2111.0	2124.9	2115.6	2138.8	2190.9	2425.1	2967.6	3771.0	4319.3	4344.8
27.5°	2326.6	2327.7	2305.7	2304.6	2312.7	2473.8	2994.3	3911.2	4705.3	4752.8
30°	2759.0	2741.6	2657.0	2565.4	2523.6	2619.9	3068.5	4077.0	5160.9	5245.5
32.5°	3425.5	3400.0	3244.7	3025.6	2805.3	2855.2	3201.8	4266.0	5657.0	5810.1
35°	4148.9	4141.9	3979.6	3653.9	3269.0	3190.2	3418.6	4514.0	6198.4	6441.8
37.5°	4821.2	4817.8	4725.0	4341.3	3873.0	3657.4	3766.3	4838.6	6778.0	7130.4
40°	5435.6	5446.1	5353.3	5010.2	4538.4	4256.7	4239.3	5239.7	7422.6	7880.5
42.5°	5966.6	5978.2	5884.3	5630.4	5195.7	4919.8	4820.1	5731.2	8052.0	8686.1
45°	6327.1	6399.0	6385.0	6182.2	5870.3	5584.0	5517.9	6347.9	8769.6	9540.5
47.5°	6429.1	6495.2	6599.5	6627.3	6437.2	6155.5	6234.3	7091.0	9495.3	10396.0
50°	6177.5	6239.0	6455.8	6744.4	6876.6	6789.6	6931.0	7887.4	10238.3	11249.2
52.5°	5681.4	5744.0	6017.6	6474.3	7013.3	7286.9	7630.1	8672.2	10958.2	12057.2
55°	4963.8	5029.9	5381.2	5898.2	6752.5	7492.1	8213.2	9455.8	11617.8	12784.0
57.5°	3987.8	4036.4	4401.6	5125.0	6096.4	7288.1	8643.2	10311.4	12239.2	13498.1
60°	2599.0	2641.9	3066.2	3873.0	5009.0	6606.5	8729.0	11265.4	13064.5	14426.6
62.5°	1728.4	1757.4	2008.9	2601.3	3527.5	5297.7	8227.1	12027.0	14274.8	16042.6
65°	1185.9	1214.9	1466.4	1879.1	2279.0	3504.4	6783.8	11926.2	15371.4	17325.9
67.5°	846.2	870.6	1083.9	1473.4	1649.6	2035.6	4598.7	10637.1	15213.7	17374.6
70°	606.3	620.2	796.4	1147.6	1311.1	1223.0	2557.3	8135.5	13320.7	16043.8
72.5°	424.3	428.9	553.0	874.1	1056.1	892.6	1217.2	5424.0	10074.9	12592.7
75°	287.5	293.3	372.1	641.1	847.4	681.6	644.5	2908.5	5914.4	6970.5
77.5°	176.2	178.5	240.0	438.2	634.1	519.3	415.0	1232.3	2288.3	2246.6
80°	99.7	99.7	153.0	272.4	432.4	335.0	291.0	524.0	724.5	636.4
82.5°	55.6	56.8	111.3	169.2	286.3	198.2	160.0	242.3	313.0	277.1
85°	23.2	25.5	68.4	80.0	136.8	98.5	64.9	102.0	115.9	103.2
87.5°	2.3	3.5	20.9	15.1	16.2	19.7	9.3	19.7	16.2	16.2
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°
2667.4	0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2706.8	2.5°	2684.8	2667.4	2623.3	2572.3	2505.1	2472.6	2428.6	2398.4	2372.9	2375.3
2774.0	5°	2736.9	2692.9	2594.4	2471.5	2318.5	2209.5	2093.6	2013.6	1948.7	1934.8
2866.8	7.5°	2808.8	2739.3	2566.5	2345.1	2086.6	1890.7	1715.7	1603.2	1523.2	1497.7
2979.2	10°	2901.6	2800.7	2530.6	2186.3	1814.2	1565.0	1377.2	1289.1	1234.6	1216.0
3111.4	12.5°	3009.4	2871.4	2483.1	1992.7	1533.7	1293.7	1174.3	1130.3	1112.9	1107.1
3273.7	15°	3145.0	2959.5	2411.2	1763.2	1296.0	1127.9	1076.9	1071.1	1073.4	1071.1
3468.4	17.5°	3306.1	3055.7	2294.1	1526.7	1136.0	1043.3	1024.8	1029.4	1035.2	1034.0
3686.4	20°	3482.3	3150.8	2144.6	1316.9	1027.1	983.0	972.6	977.2	981.9	979.6
3937.9	22.5°	3682.9	3252.8	1978.8	1153.4	954.0	927.4	915.8	917.0	917.0	912.3
4256.7	25°	3922.8	3365.2	1804.9	1037.5	898.4	877.5	863.6	859.0	852.0	838.1
4643.9	27.5°	4209.2	3484.6	1638.0	956.4	854.4	834.6	818.4	806.8	789.4	766.3
5108.7	30°	4531.4	3629.6	1496.6	905.4	819.6	799.9	781.3	763.9	738.4	709.4
5643.1	32.5°	4910.5	3784.9	1393.4	871.7	788.3	767.4	745.4	724.5	696.7	667.7
6243.6	35°	5362.6	3972.7	1333.1	848.6	763.9	736.1	711.8	688.6	667.7	642.2
6896.3	37.5°	5853.0	4172.1	1314.6	837.0	747.7	704.8	677.0	660.8	658.4	643.4
7602.2	40°	6389.7	4408.6	1328.5	830.0	730.3	674.7	644.5	641.1	646.9	620.2
8356.9	42.5°	6957.7	4689.1	1351.7	821.9	706.0	644.5	615.6	615.6	610.9	573.8
9154.4	45°	7572.1	5012.5	1374.8	802.2	677.0	614.4	592.4	584.3	564.5	528.6
9956.6	47.5°	8191.1	5341.7	1392.2	766.3	642.2	588.9	569.2	550.6	521.7	489.2
10743.8	50°	8778.9	5637.3	1373.7	712.9	602.8	564.5	543.7	518.2	486.9	464.9
11489.1	52.5°	9304.0	5893.5	1294.9	650.3	561.1	539.0	520.5	493.8	468.3	445.1
12161.5	55°	9760.7	6101.0	1155.8	591.2	524.0	517.0	498.5	464.9	430.1	410.4
12828.1	57.5°	10198.9	6258.7	981.9	542.5	490.4	492.7	464.9	434.7	402.3	381.4
13726.5	60°	10782.0	6469.7	805.7	497.3	454.4	461.4	431.2	409.2	368.6	342.0
15267.1	62.5°	11714.0	6797.7	639.9	441.7	412.7	415.0	402.3	375.6	326.9	295.6
16408.9	65°	12453.6	6677.2	504.3	381.4	365.2	368.6	368.6	339.7	287.5	251.6
16470.4	67.5°	12370.2	5717.3	402.3	322.3	319.9	322.3	330.4	306.0	255.0	226.1
15216.1	70°	11395.2	4547.7	322.3	267.8	278.2	272.4	295.6	279.4	229.5	200.5
11796.3	72.5°	9298.2	3276.0	245.8	221.4	213.3	222.6	266.6	251.6	191.3	158.8
6248.3	75°	5433.3	1748.1	183.2	175.0	154.2	185.5	236.5	214.5	146.1	117.1
1915.0	77.5°	1769.0	609.8	134.5	128.7	114.8	149.5	201.7	180.8	119.4	92.7
561.1	80°	474.1	184.3	91.6	84.6	74.2	111.3	160.0	143.7	85.8	60.3
241.1	82.5°	190.1	77.7	53.3	47.5	40.6	76.5	126.4	115.9	63.8	38.3
75.4	85°	61.4	25.5	19.7	15.1	18.5	47.5	75.4	78.8	45.2	19.7
11.6	87.5°	8.1	3.5	3.5	4.6	3.5	8.1	23.2	22.0	12.8	2.3
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°
2667.4
2352.1
1903.5
1472.2
1202.1
1103.6
1070.0
1031.7
978.4
910.0
835.8
763.9
707.1
668.9
639.9
642.2
621.3
573.8
527.5
488.0
461.4
442.8
408.0
379.1
338.5
293.3
248.1
221.4
197.1
155.3
113.6
89.3
59.1
38.3
15.1
0.0
0.0

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