

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: P848435

Luminaire Tested: **GLAN-SB5A-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848435
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-SB5A-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA 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: 15984 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

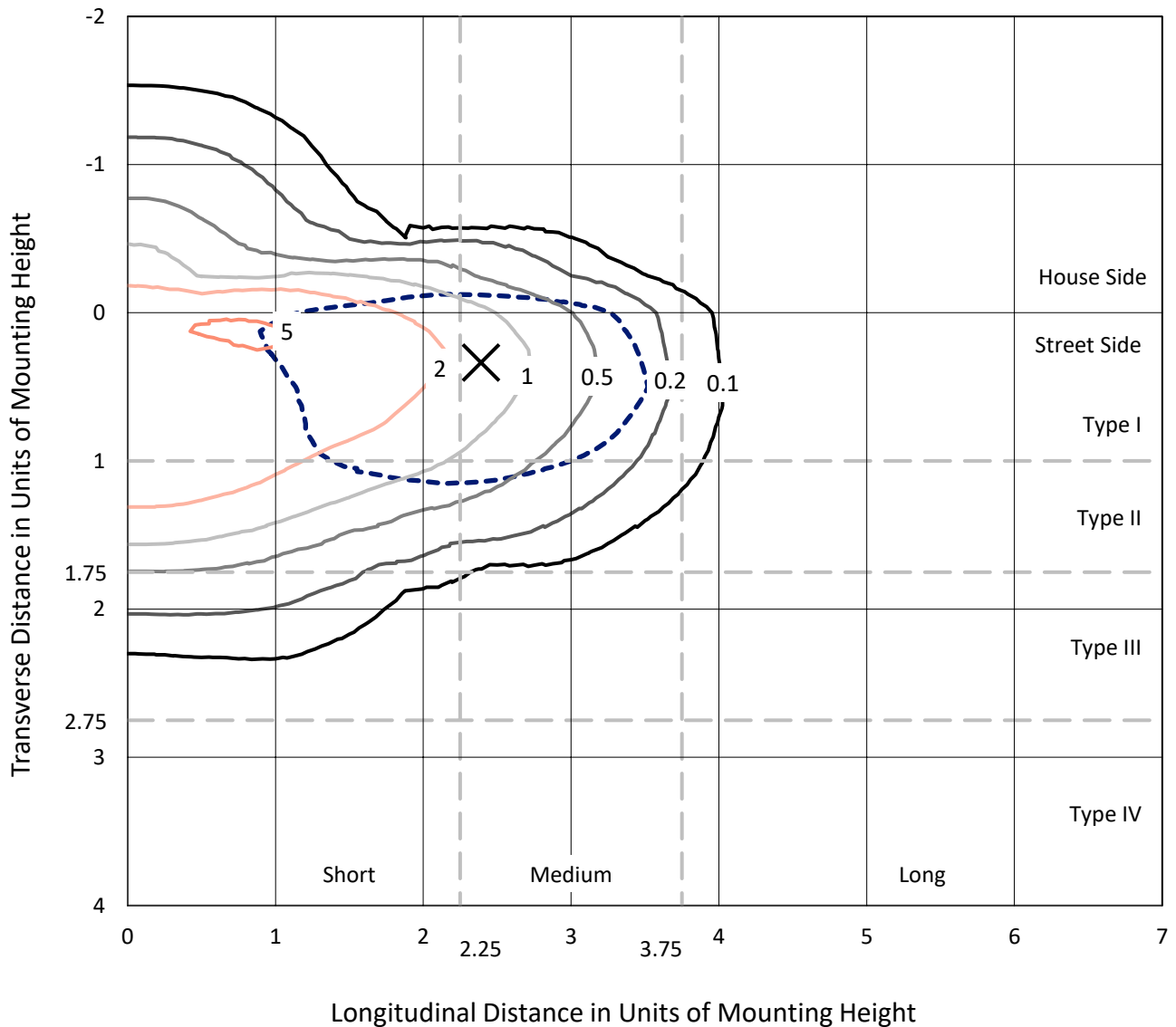
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848435
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Iso-Footcandle Lines of Horizontal Illumination

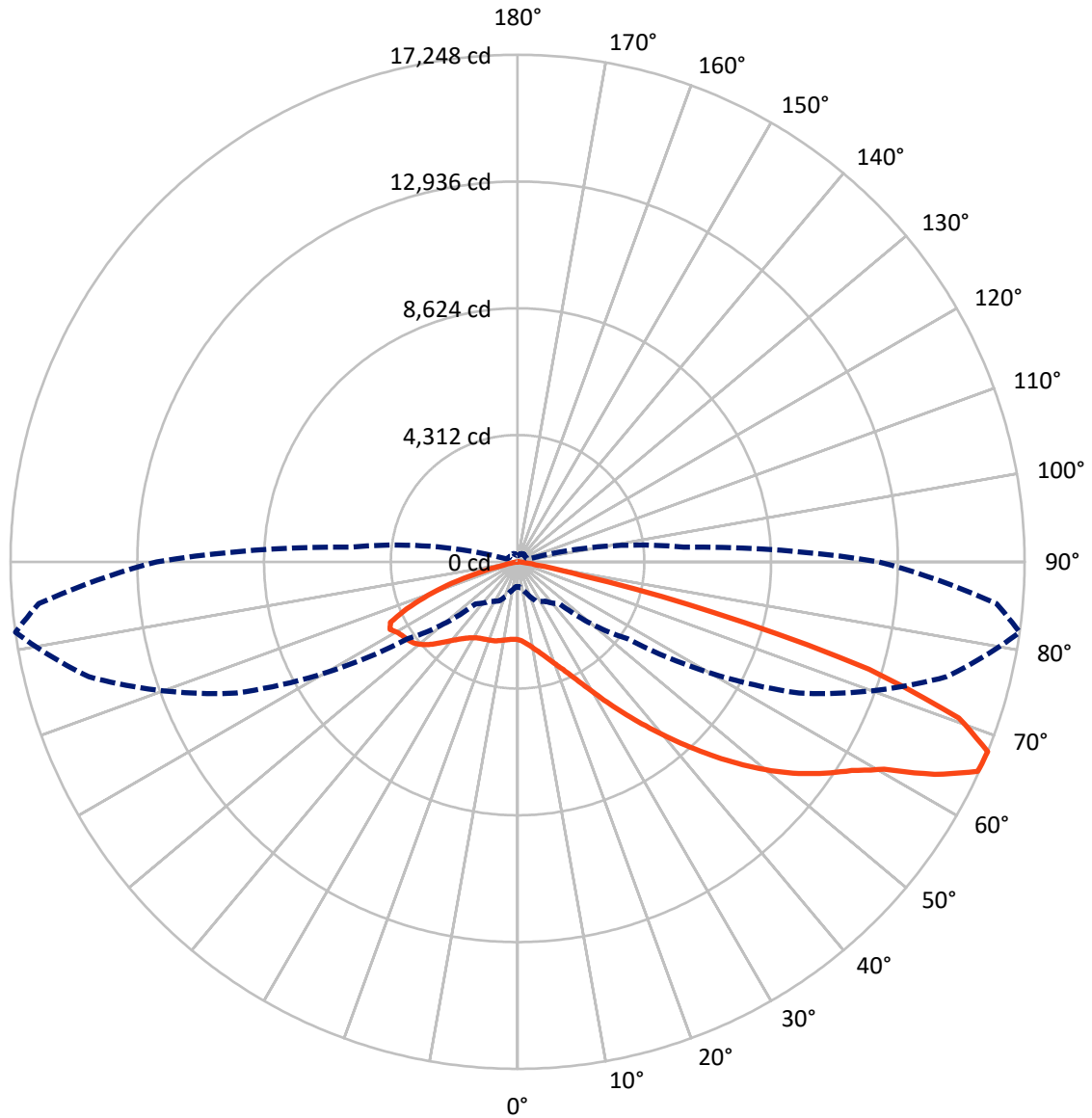
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P848435
CATALOG NUMBER: GLAN-SB5A-730-U-T2-HSS

Luminous Intensity Polar Plot



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

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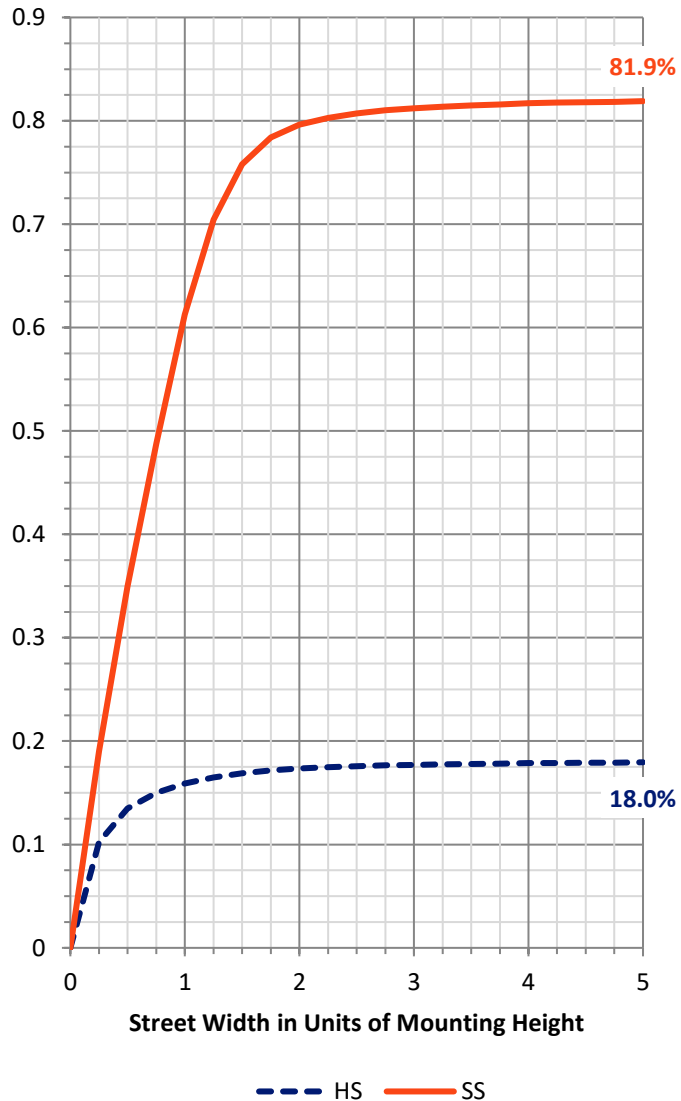
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2895.4	0.0	2895.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13088.6	0.0	13088.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	15984.0	0.0	15984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.9	1.5
10°-20°	613.1	3.8
20°-30°	981.9	6.1
30°-40°	1736.3	10.9
40°-50°	3042.2	19.0
50°-60°	4057.5	25.4
60°-70°	3777.3	23.6
70°-80°	1449.7	9.1
80°-90°	90.1	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°	15984.0	100.0
0°-180°	15984.0	100.0

Coefficient of Utilization

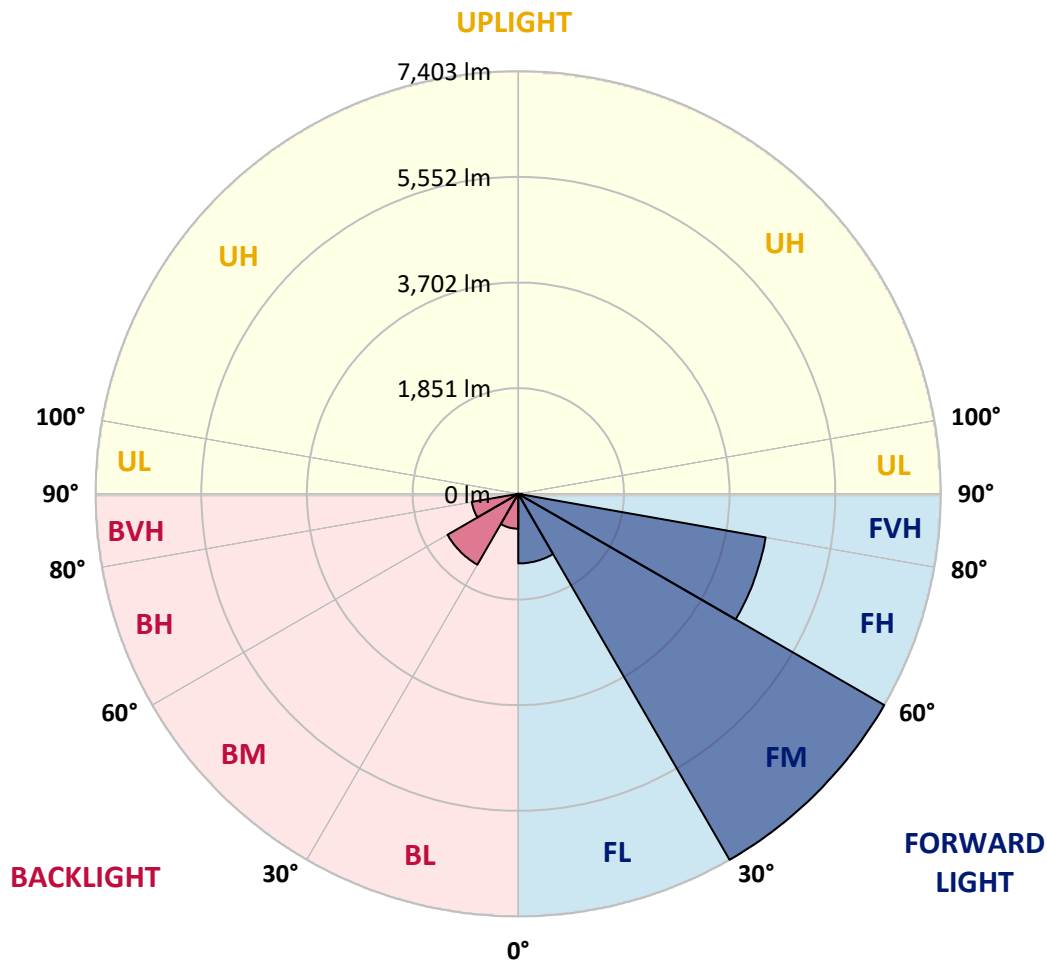


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.4	7.6			
FM (30°-60°)	7403.1	46.3			
FH (60°-80°)	4400.6	27.5			G2/5000
FVH (80°-90°)	65.5	0.4			G1/100
BL (0°-30°)	611.5	3.8	B2/1000		
BM (30°-60°)	1432.9	9.0	B2/2500		
BH (60°-80°)	826.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	24.6	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°	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0
2.5°	2798.8	2814.9	2805.7	2801.1	2793.0	2781.5	2772.3	2743.5	2713.6	2694.0
5°	2855.2	2871.3	2870.1	2874.7	2880.5	2883.9	2881.6	2849.4	2806.8	2773.4
7.5°	2806.8	2825.2	2840.2	2863.2	2903.5	2946.1	2966.8	2959.9	2916.1	2870.1
10°	2669.9	2689.4	2725.1	2779.2	2864.4	2956.4	3033.5	3069.2	3041.6	2990.9
12.5°	2419.0	2438.6	2508.8	2626.1	2768.8	2928.8	3076.1	3171.6	3178.5	3127.9
15°	2137.0	2156.6	2231.4	2378.7	2596.2	2852.9	3099.1	3279.8	3340.8	3297.1
17.5°	1962.1	1979.4	2035.8	2154.3	2381.0	2700.9	3091.1	3394.9	3534.1	3499.6
20°	1909.2	1924.2	1950.6	2033.5	2222.2	2543.3	3038.1	3503.1	3742.4	3722.9
22.5°	1965.6	1979.4	1987.4	2024.3	2142.8	2439.7	2971.4	3613.5	3984.1	3986.4
25°	2095.6	2109.4	2100.2	2123.2	2175.0	2407.5	2946.1	3743.6	4287.9	4313.2
27.5°	2309.7	2310.8	2289.0	2287.8	2295.9	2455.8	2972.5	3882.8	4671.1	4718.3
30°	2738.9	2721.7	2637.7	2546.7	2505.3	2600.8	3046.2	4047.4	5123.4	5207.4
32.5°	3400.6	3375.3	3221.1	3003.6	2785.0	2834.4	3178.5	4235.0	5615.9	5767.8
35°	4118.7	4111.8	3950.7	3627.3	3245.3	3167.0	3393.7	4481.2	6153.4	6395.0
37.5°	4786.2	4782.8	4690.7	4309.8	3844.8	3630.8	3739.0	4803.5	6728.8	7078.6
40°	5396.1	5406.5	5314.4	4973.8	4505.4	4225.8	4208.5	5201.6	7368.6	7823.2
42.5°	5923.2	5934.7	5841.5	5589.5	5157.9	4884.0	4785.1	5689.6	7993.5	8623.0
45°	6281.1	6352.5	6338.6	6137.3	5827.7	5543.4	5477.8	6301.8	8705.9	9471.1
47.5°	6382.4	6448.0	6551.5	6579.2	6390.4	6110.8	6189.0	7039.5	9426.3	10320.4
50°	6132.7	6193.6	6408.8	6695.4	6826.6	6740.3	6880.7	7830.1	10163.9	11167.4
52.5°	5640.1	5702.3	5973.8	6427.3	6962.4	7234.0	7574.6	8609.2	10878.6	11969.5
55°	4927.8	4993.4	5342.0	5855.3	6703.5	7437.7	8153.5	9387.1	11533.4	12691.1
57.5°	3958.8	4007.1	4369.6	5087.7	6052.1	7235.1	8580.4	10236.4	12150.2	13400.0
60°	2580.1	2622.7	3043.9	3844.8	4972.6	6558.5	8665.6	11183.5	12969.6	14321.8
62.5°	1715.9	1744.6	1994.3	2582.4	3501.9	5259.2	8167.3	11939.6	14171.0	15926.0
65°	1177.3	1206.0	1455.8	1865.5	2262.5	3478.9	6734.5	11839.5	15259.7	17200.0
67.5°	840.1	864.3	1076.0	1462.7	1637.6	2020.8	4565.3	10559.8	15103.2	17248.3
70°	601.9	615.7	790.6	1139.3	1301.6	1214.1	2538.7	8076.4	13223.9	15927.2
72.5°	421.2	425.8	548.9	867.7	1048.4	886.1	1208.3	5384.6	10001.7	12501.2
75°	285.4	291.2	369.4	636.4	841.2	676.7	639.8	2887.4	5871.4	6919.8
77.5°	174.9	177.2	238.2	435.0	629.5	515.6	412.0	1223.3	2271.7	2230.3
80°	99.0	99.0	151.9	270.4	429.3	332.6	288.9	520.2	719.3	631.8
82.5°	55.2	56.4	110.5	168.0	284.2	196.8	158.8	240.5	310.7	275.0
85°	23.0	25.3	67.9	79.4	135.8	97.8	64.4	101.3	115.1	102.4
87.5°	2.3	3.5	20.7	15.0	16.1	19.6	9.2	19.6	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848435
 CATALOG NUMBER: GLAN-SB5A-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2648.0	0°	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0	2648.0
2687.1	2.5°	2665.3	2648.0	2604.3	2553.6	2486.9	2454.7	2410.9	2381.0	2355.7	2358.0
2753.9	5°	2717.1	2673.3	2575.5	2453.5	2301.6	2193.4	2078.4	1999.0	1934.5	1920.7
2845.9	7.5°	2788.4	2719.4	2547.9	2328.1	2071.5	1877.0	1703.2	1591.6	1512.2	1486.8
2957.6	10°	2880.5	2780.4	2512.2	2170.4	1801.0	1553.6	1367.2	1279.7	1225.6	1207.2
3088.8	12.5°	2987.5	2850.5	2465.0	1978.2	1522.5	1284.3	1165.8	1122.0	1104.8	1099.0
3249.9	15°	3122.1	2938.0	2393.7	1750.4	1286.6	1119.7	1069.1	1063.3	1065.6	1063.3
3443.2	17.5°	3282.1	3033.5	2277.4	1515.6	1127.8	1035.7	1017.3	1021.9	1027.7	1026.5
3659.6	20°	3457.0	3127.9	2129.0	1307.3	1019.6	975.9	965.5	970.1	974.7	972.4
3909.3	22.5°	3656.1	3229.2	1964.4	1145.1	947.1	920.6	909.1	910.3	910.3	905.7
4225.8	25°	3894.3	3340.8	1791.8	1030.0	891.9	871.2	857.4	852.7	845.8	832.0
4610.1	27.5°	4178.6	3459.3	1626.1	949.4	848.1	828.6	812.5	801.0	783.7	760.7
5071.6	30°	4498.5	3603.2	1485.7	898.8	813.6	794.1	775.6	758.4	733.1	704.3
5602.1	32.5°	4874.8	3757.4	1383.3	865.4	782.5	761.8	740.0	719.3	691.6	662.9
6198.2	35°	5323.6	3943.8	1323.4	842.4	758.4	730.8	706.6	683.6	662.9	637.5
6846.2	37.5°	5810.4	4141.8	1305.0	830.9	742.3	699.7	672.1	656.0	653.7	638.7
7547.0	40°	6343.3	4376.5	1318.8	824.0	725.0	669.8	639.8	636.4	642.2	615.7
8296.2	42.5°	6907.1	4655.0	1341.8	815.9	700.8	639.8	611.1	611.1	606.5	569.6
9087.9	45°	7517.1	4976.1	1364.9	796.4	672.1	609.9	588.1	580.0	560.4	524.8
9884.3	47.5°	8131.6	5302.9	1382.1	760.7	637.5	584.6	565.0	546.6	517.9	485.6
10665.7	50°	8715.1	5596.4	1363.7	707.7	598.4	560.4	539.7	514.4	483.3	461.5
11405.7	52.5°	9236.4	5850.7	1285.5	645.6	557.0	535.1	516.7	490.2	464.9	441.9
12073.1	55°	9689.8	6056.7	1147.4	586.9	520.2	513.3	494.8	461.5	426.9	407.4
12734.8	57.5°	10124.8	6213.2	974.7	538.6	486.8	489.1	461.5	431.6	399.3	378.6
13626.7	60°	10703.7	6422.7	799.8	493.7	451.1	458.0	428.1	406.2	366.0	339.5
15156.1	62.5°	11628.9	6748.3	635.2	438.5	409.7	412.0	399.3	372.9	324.5	293.5
16289.7	65°	12363.1	6628.7	500.6	378.6	362.5	366.0	366.0	337.2	285.4	249.7
16350.7	67.5°	12280.3	5675.8	399.3	319.9	317.6	319.9	328.0	303.8	253.2	224.4
15105.5	70°	11312.4	4514.6	319.9	265.8	276.2	270.4	293.5	277.3	227.9	199.1
11710.6	72.5°	9230.6	3252.2	244.0	219.8	211.7	221.0	264.7	249.7	189.9	157.7
6202.9	75°	5393.8	1735.4	181.8	173.8	153.1	184.1	234.8	212.9	145.0	116.2
1901.1	77.5°	1756.1	605.3	133.5	127.7	113.9	148.5	200.2	179.5	118.5	92.1
557.0	80°	470.7	183.0	90.9	84.0	73.7	110.5	158.8	142.7	85.2	59.8
239.4	82.5°	188.7	77.1	52.9	47.2	40.3	76.0	125.4	115.1	63.3	38.0
74.8	85°	61.0	25.3	19.6	15.0	18.4	47.2	74.8	78.3	44.9	19.6
11.5	87.5°	8.1	3.5	3.5	4.6	3.5	8.1	23.0	21.9	12.7	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°
2648.0
2335.0
1889.6
1461.5
1193.4
1095.6
1062.2
1024.2
971.3
903.4
829.7
758.4
702.0
664.0
635.2
637.5
616.8
569.6
523.6
484.5
458.0
439.6
405.1
376.3
336.0
291.2
246.3
219.8
195.6
154.2
112.8
88.6
58.7
38.0
15.0
0.0
0.0

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