

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: P847415

Luminaire Tested: **GLAN-SB3C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847415
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 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: 15850 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

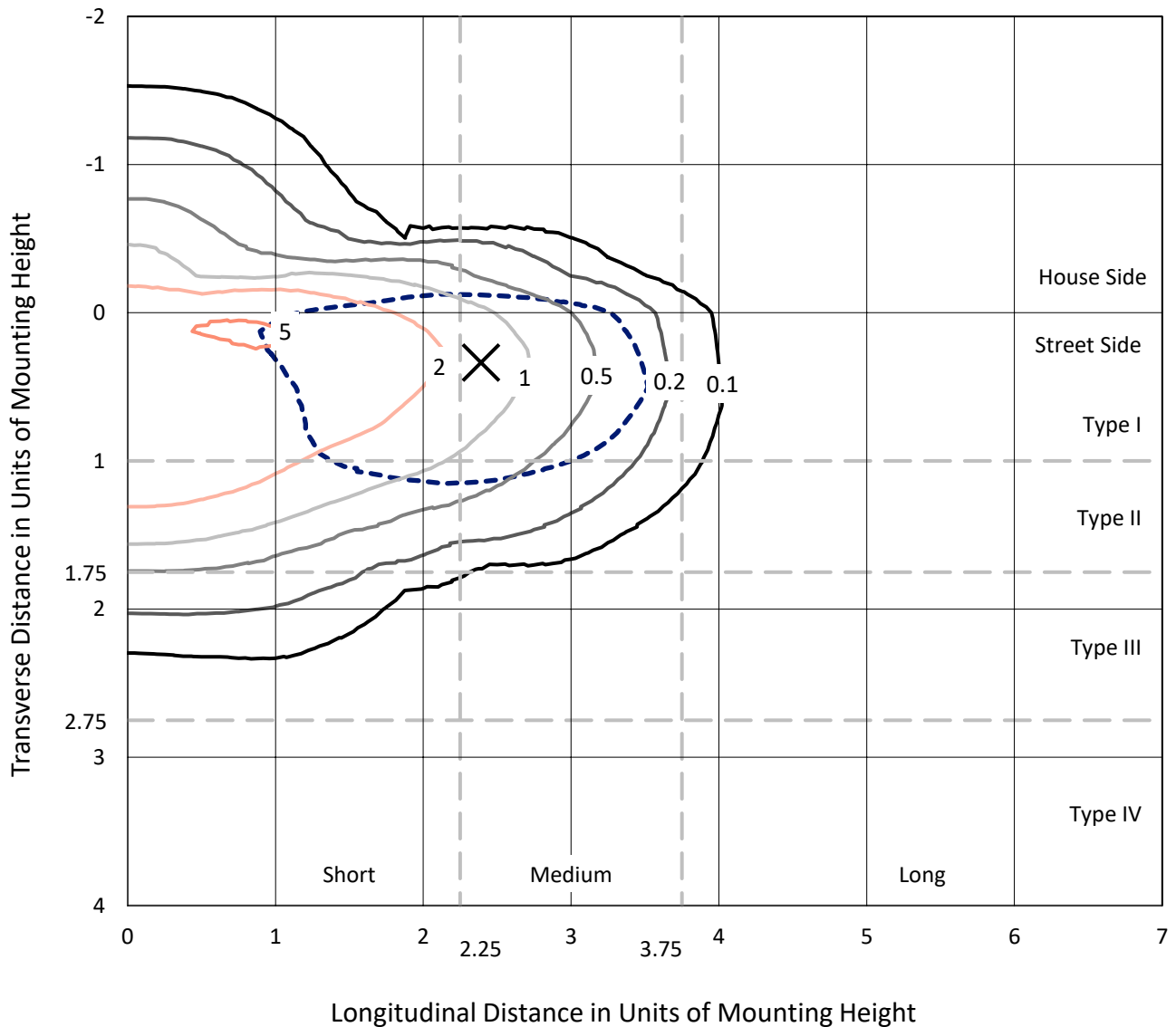
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

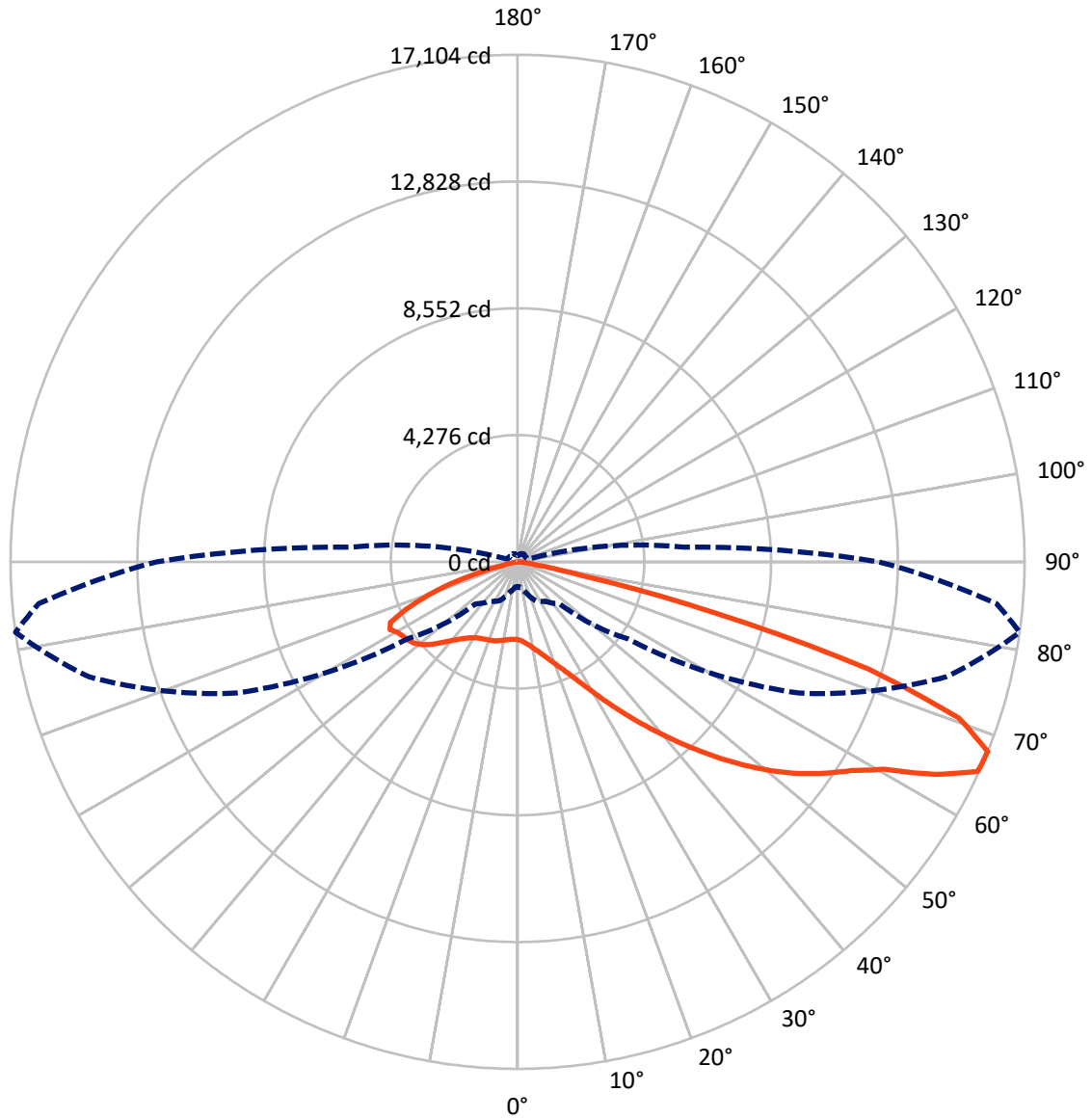
× Max cd
 - - - 1/2 Max cd



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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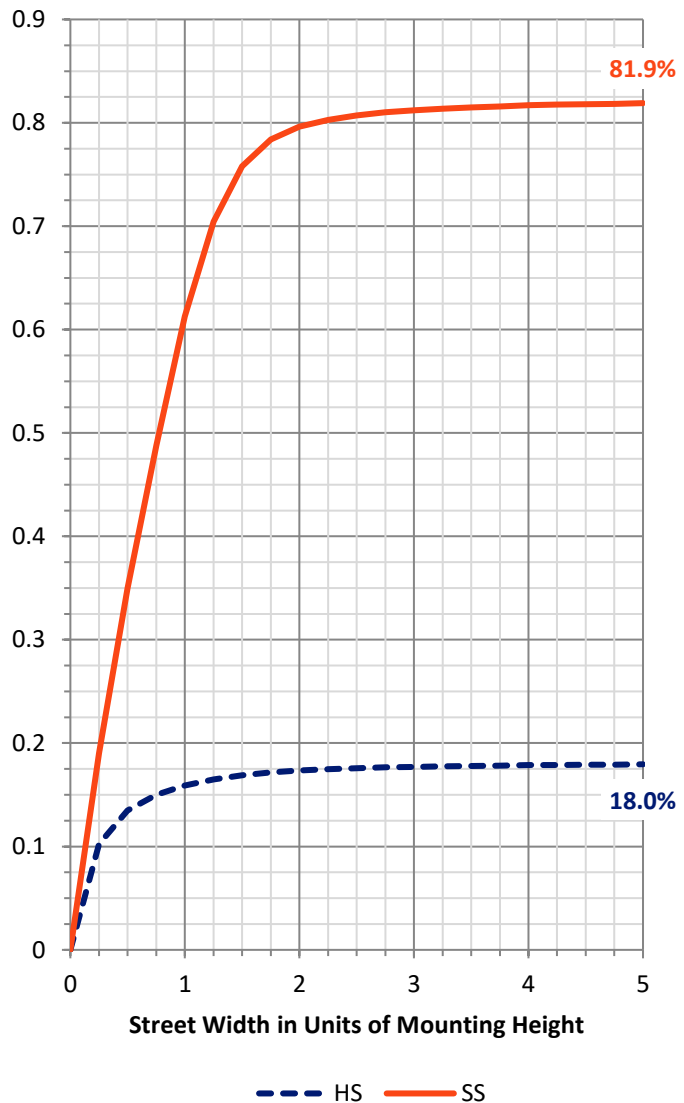
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2871.1	0.0	2871.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	12978.9	0.0	12978.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	15850.0	0.0	15850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	1.5
10°-20°	607.9	3.8
20°-30°	973.7	6.1
30°-40°	1721.8	10.9
40°-50°	3016.7	19.0
50°-60°	4023.5	25.4
60°-70°	3745.6	23.6
70°-80°	1437.6	9.1
80°-90°	89.3	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°	15850.0	100.0
0°-180°	15850.0	100.0

Coefficient of Utilization

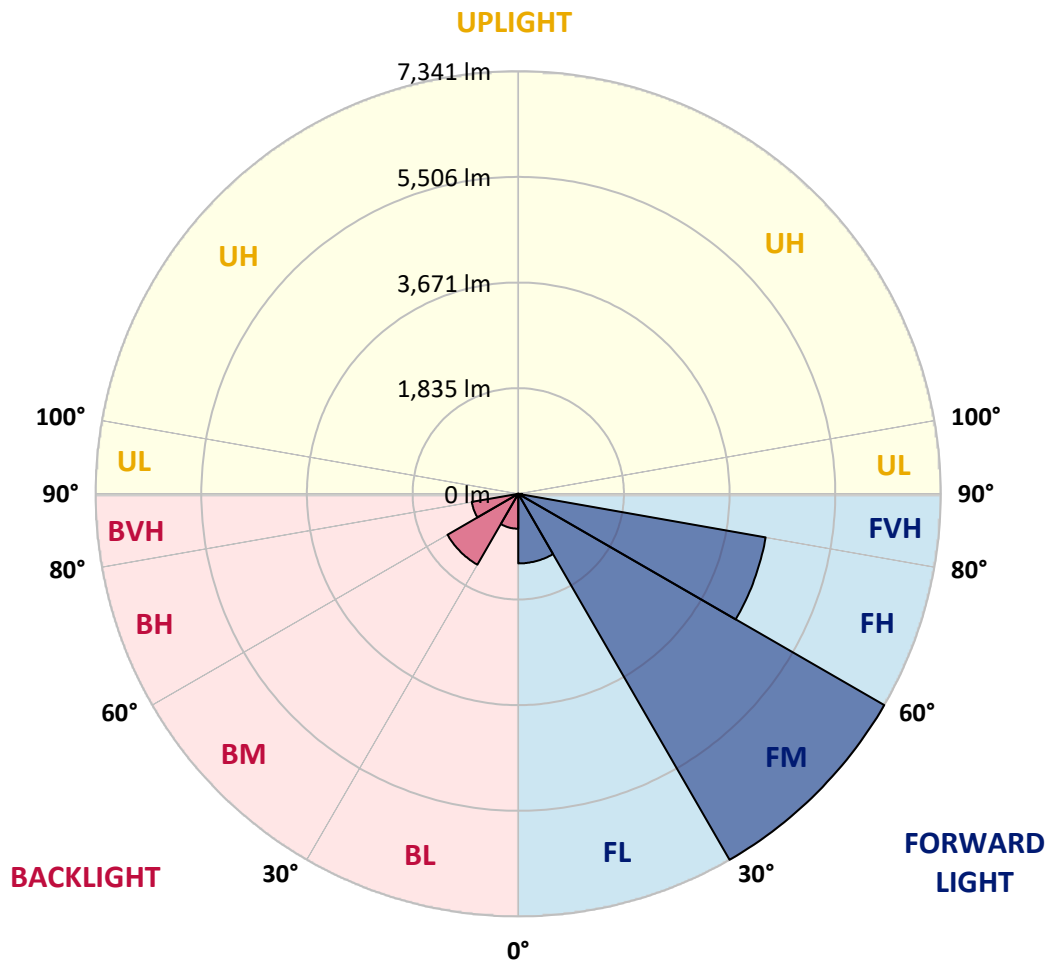


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1209.2	7.6			
FM (30°-60°)	7341.1	46.3			
FH (60°-80°)	4363.7	27.5			G2/5000
FVH (80°-90°)	64.9	0.4			G1/100
BL (0°-30°)	606.4	3.8	B2/1000		
BM (30°-60°)	1420.9	9.0	B2/2500		
BH (60°-80°)	819.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	24.4	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°	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8
2.5°	2775.3	2791.3	2782.1	2777.6	2769.6	2758.2	2749.1	2720.5	2690.9	2671.5
5°	2831.2	2847.2	2846.1	2850.6	2856.3	2859.7	2857.5	2825.5	2783.3	2750.2
7.5°	2783.3	2801.5	2816.4	2839.2	2879.1	2921.4	2941.9	2935.1	2891.7	2846.1
10°	2647.5	2666.9	2702.3	2755.9	2840.3	2931.6	3008.1	3043.5	3016.1	2965.9
12.5°	2398.7	2418.1	2487.7	2604.1	2745.6	2904.3	3050.3	3145.0	3151.9	3101.7
15°	2119.1	2138.5	2212.7	2358.8	2574.5	2828.9	3073.1	3252.3	3312.8	3269.4
17.5°	1945.7	1962.8	2018.7	2136.3	2361.1	2678.3	3065.2	3366.4	3504.5	3470.3
20°	1893.2	1908.0	1934.3	2016.4	2203.6	2522.0	3012.7	3473.7	3711.1	3691.7
22.5°	1949.1	1962.8	1970.8	2007.3	2124.8	2419.3	2946.5	3583.2	3950.7	3953.0
25°	2078.1	2091.7	2082.6	2105.4	2156.8	2387.3	2921.4	3712.2	4252.0	4277.1
27.5°	2290.3	2291.4	2269.8	2268.6	2276.6	2435.2	2947.6	3850.3	4632.0	4678.8
30°	2716.0	2698.8	2615.5	2525.4	2484.3	2579.0	3020.6	4013.5	5080.4	5163.7
32.5°	3372.1	3347.0	3194.1	2978.4	2761.6	2810.7	3151.9	4199.5	5568.9	5719.5
35°	4084.2	4077.4	3917.6	3596.9	3218.1	3140.5	3365.3	4443.7	6101.8	6341.4
37.5°	4746.1	4742.7	4651.4	4273.6	3812.6	3600.4	3707.6	4763.2	6672.4	7019.3
40°	5350.9	5361.2	5269.9	4932.1	4467.6	4190.3	4173.2	5158.0	7306.8	7757.6
42.5°	5873.5	5885.0	5792.5	5542.6	5114.7	4843.1	4744.9	5641.9	7926.5	8550.7
45°	6228.4	6299.2	6285.5	6085.8	5778.8	5497.0	5431.9	6249.0	8632.9	9391.7
47.5°	6328.9	6393.9	6496.6	6524.0	6336.9	6059.6	6137.2	6980.5	9347.2	10233.9
50°	6081.2	6141.7	6355.1	6639.3	6769.4	6683.8	6823.0	7764.5	10078.7	11073.8
52.5°	5592.8	5654.4	5923.8	6373.4	6904.0	7173.3	7511.1	8537.0	10787.4	11869.2
55°	4886.4	4951.5	5297.3	5806.2	6647.3	7375.3	8085.1	9308.4	11436.7	12584.7
57.5°	3925.6	3973.5	4333.0	5045.1	6001.4	7174.5	8508.5	10150.6	12048.4	13287.7
60°	2558.5	2600.7	3018.4	3812.6	4931.0	6503.5	8592.9	11089.8	12860.9	14201.7
62.5°	1701.5	1730.0	1977.6	2560.8	3472.5	5215.1	8098.8	11839.5	14052.2	15792.5
65°	1167.4	1195.9	1443.6	1849.8	2243.5	3449.7	6678.1	11740.3	15131.8	17055.8
67.5°	833.0	857.0	1067.0	1450.4	1623.9	2003.9	4527.0	10471.3	14976.6	17103.7
70°	596.8	610.5	784.0	1129.7	1290.7	1203.9	2517.4	8008.7	13113.1	15793.7
72.5°	417.7	422.2	544.3	860.4	1039.6	878.7	1198.2	5339.5	9917.8	12396.4
75°	283.0	288.7	366.3	631.1	834.2	671.0	634.5	2863.2	5822.2	6861.8
77.5°	173.5	175.7	236.2	431.4	624.2	511.2	408.5	1213.1	2252.6	2211.6
80°	98.1	98.1	150.6	268.2	425.7	329.8	286.4	515.8	713.2	626.5
82.5°	54.8	55.9	109.6	166.6	281.9	195.1	157.5	238.5	308.1	272.7
85°	22.8	25.1	67.3	78.7	134.7	97.0	63.9	100.4	114.1	101.6
87.5°	2.3	3.4	20.5	14.8	16.0	19.4	9.1	19.4	16.0	16.0
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°
2625.8	0°	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8	2625.8
2664.6	2.5°	2642.9	2625.8	2582.4	2532.2	2466.0	2434.1	2390.7	2361.1	2336.0	2338.2
2730.8	5°	2694.3	2650.9	2553.9	2433.0	2282.3	2175.1	2060.9	1982.2	1918.3	1904.6
2822.1	7.5°	2765.0	2696.6	2526.5	2308.6	2054.1	1861.2	1688.9	1578.2	1499.5	1474.4
2932.8	10°	2856.3	2757.0	2491.2	2152.2	1785.9	1540.6	1355.7	1269.0	1215.3	1197.1
3062.9	12.5°	2962.5	2826.7	2444.4	1961.7	1509.8	1273.5	1156.0	1112.6	1095.5	1089.8
3222.6	15°	3096.0	2913.4	2373.6	1735.7	1275.8	1110.3	1060.1	1054.4	1056.7	1054.4
3414.4	17.5°	3254.6	3008.1	2258.4	1502.9	1118.3	1027.0	1008.8	1013.3	1019.1	1017.9
3628.9	20°	3428.0	3101.7	2111.1	1296.4	1011.1	967.7	957.4	962.0	966.6	964.3
3876.5	22.5°	3625.5	3202.1	1948.0	1135.5	939.2	912.9	901.5	902.7	902.7	898.1
4190.3	25°	3861.7	3312.8	1776.8	1021.3	884.4	863.9	850.2	845.6	838.8	825.1
4571.5	27.5°	4143.6	3430.3	1612.5	941.5	841.0	821.6	805.7	794.2	777.1	754.3
5029.1	30°	4460.8	3573.0	1473.2	891.2	806.8	787.4	769.1	752.0	726.9	698.4
5555.2	32.5°	4834.0	3725.9	1371.7	858.2	776.0	755.4	733.8	713.2	685.8	657.3
6146.3	35°	5279.0	3910.8	1312.3	835.3	752.0	724.6	700.7	677.8	657.3	632.2
6788.8	37.5°	5761.7	4107.0	1294.1	823.9	736.0	693.8	666.4	650.5	648.2	633.3
7483.7	40°	6290.1	4339.8	1307.8	817.1	718.9	664.2	634.5	631.1	636.8	610.5
8226.6	42.5°	6849.2	4616.0	1330.6	809.1	695.0	634.5	606.0	606.0	601.4	564.9
9011.7	45°	7454.1	4934.4	1353.4	789.7	666.4	604.8	583.1	575.1	555.7	520.4
9801.4	47.5°	8063.4	5258.5	1370.5	754.3	632.2	579.7	560.3	542.1	513.5	481.6
10576.3	50°	8642.0	5549.5	1352.3	701.8	593.4	555.7	535.2	510.1	479.3	457.6
11310.0	52.5°	9158.9	5801.7	1274.7	640.2	552.3	530.6	512.4	486.1	461.0	438.2
11971.9	55°	9608.6	6005.9	1137.7	582.0	515.8	509.0	490.7	457.6	423.4	404.0
12628.1	57.5°	10039.9	6161.1	966.6	534.1	482.7	485.0	457.6	427.9	396.0	375.4
13512.5	60°	10613.9	6368.8	793.1	489.6	447.3	454.2	424.5	402.8	362.9	336.6
15029.1	62.5°	11531.4	6691.8	629.9	434.8	406.3	408.5	396.0	369.7	321.8	291.0
16153.1	65°	12259.5	6573.1	496.4	375.4	359.5	362.9	362.9	334.4	283.0	247.6
16213.6	67.5°	12177.3	5628.2	396.0	317.2	315.0	317.2	325.2	301.3	251.1	222.5
14978.9	70°	11217.6	4476.8	317.2	263.6	273.9	268.2	291.0	275.0	225.9	197.4
11612.4	72.5°	9153.2	3224.9	241.9	218.0	210.0	219.1	262.5	247.6	188.3	156.3
6150.9	75°	5348.6	1720.9	180.3	172.3	151.8	182.6	232.8	211.1	143.8	115.3
1885.2	77.5°	1741.4	600.3	132.4	126.7	113.0	147.2	198.6	178.0	117.5	91.3
552.3	80°	466.7	181.4	90.2	83.3	73.0	109.6	157.5	141.5	84.4	59.3
237.4	82.5°	187.2	76.5	52.5	46.8	39.9	75.3	124.4	114.1	62.8	37.7
74.2	85°	60.5	25.1	19.4	14.8	18.3	46.8	74.2	77.6	44.5	19.4
11.4	87.5°	8.0	3.4	3.4	4.6	3.4	8.0	22.8	21.7	12.6	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

<u>180°</u>
2625.8
2315.4
1873.8
1449.3
1183.4
1086.4
1053.3
1015.6
963.1
895.8
822.8
752.0
696.1
658.4
629.9
632.2
611.7
564.9
519.2
480.4
454.2
435.9
401.7
373.2
333.2
288.7
244.2
218.0
194.0
152.9
111.8
87.9
58.2
37.7
14.8
0.0
0.0

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