

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: P850145

Luminaire Tested: **GLAN-SB7C-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850145
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-SB7C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 38165 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

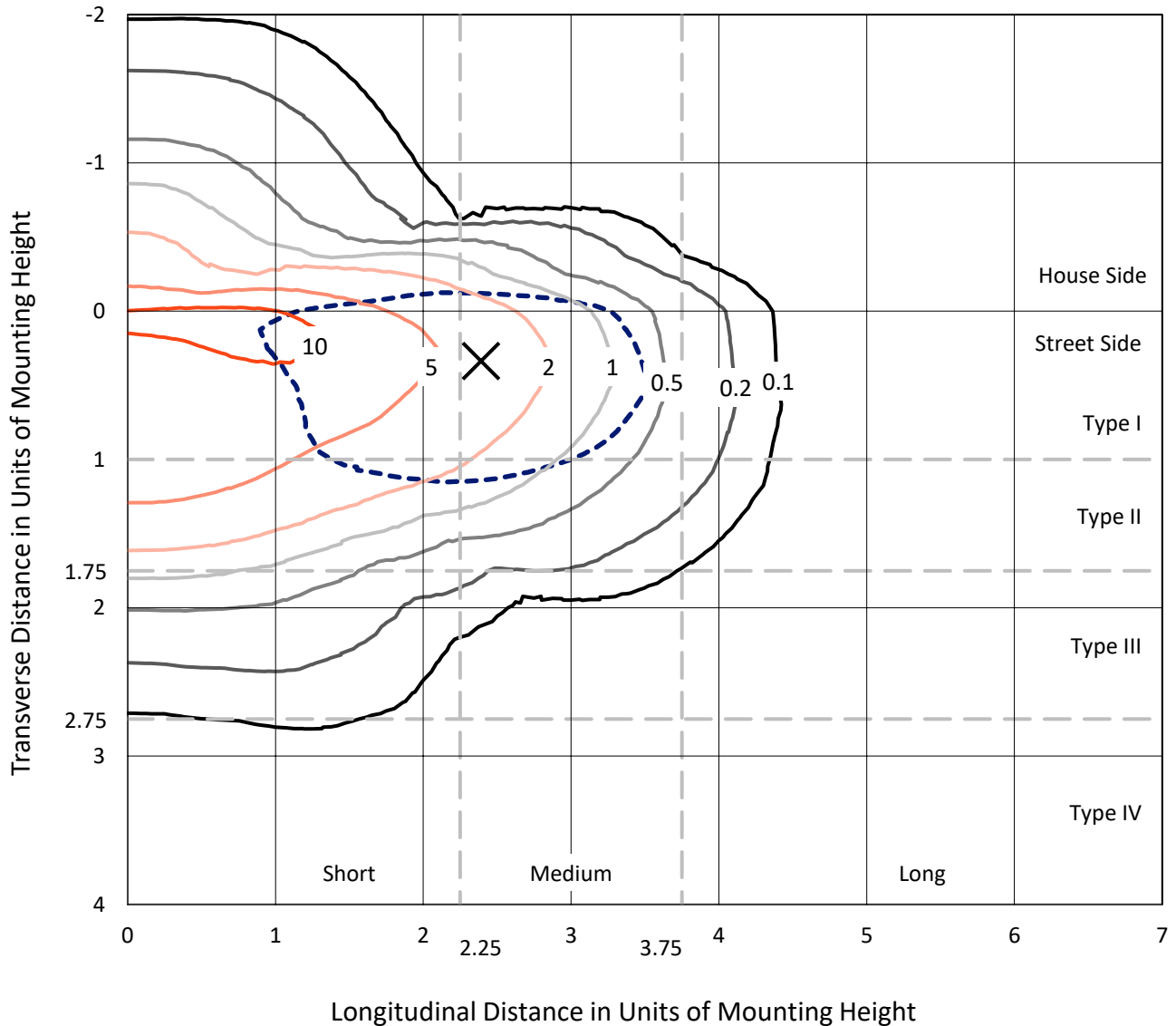
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

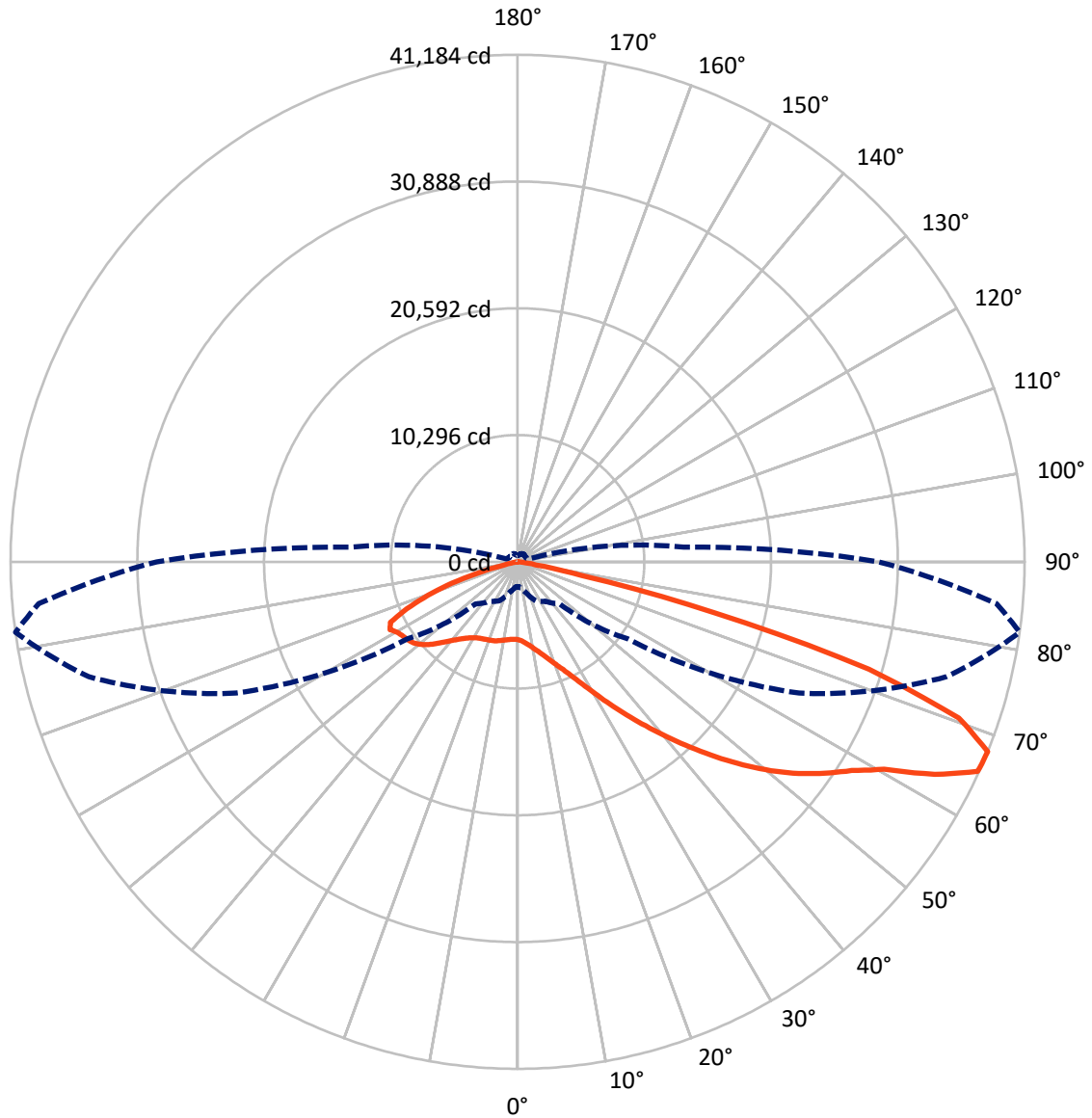
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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	6913.3	0.0	6913.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	31251.7	0.0	31251.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	38165.0	0.0	38165.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.3	1.5
10°-20°	1463.8	3.8
20°-30°	2344.5	6.1
30°-40°	4145.8	10.9
40°-50°	7263.9	19.0
50°-60°	9688.0	25.4
60°-70°	9019.1	23.6
70°-80°	3461.5	9.1
80°-90°	215.0	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°	38165.0	100.0
0°-180°	38165.0	100.0

Coefficient of Utilization

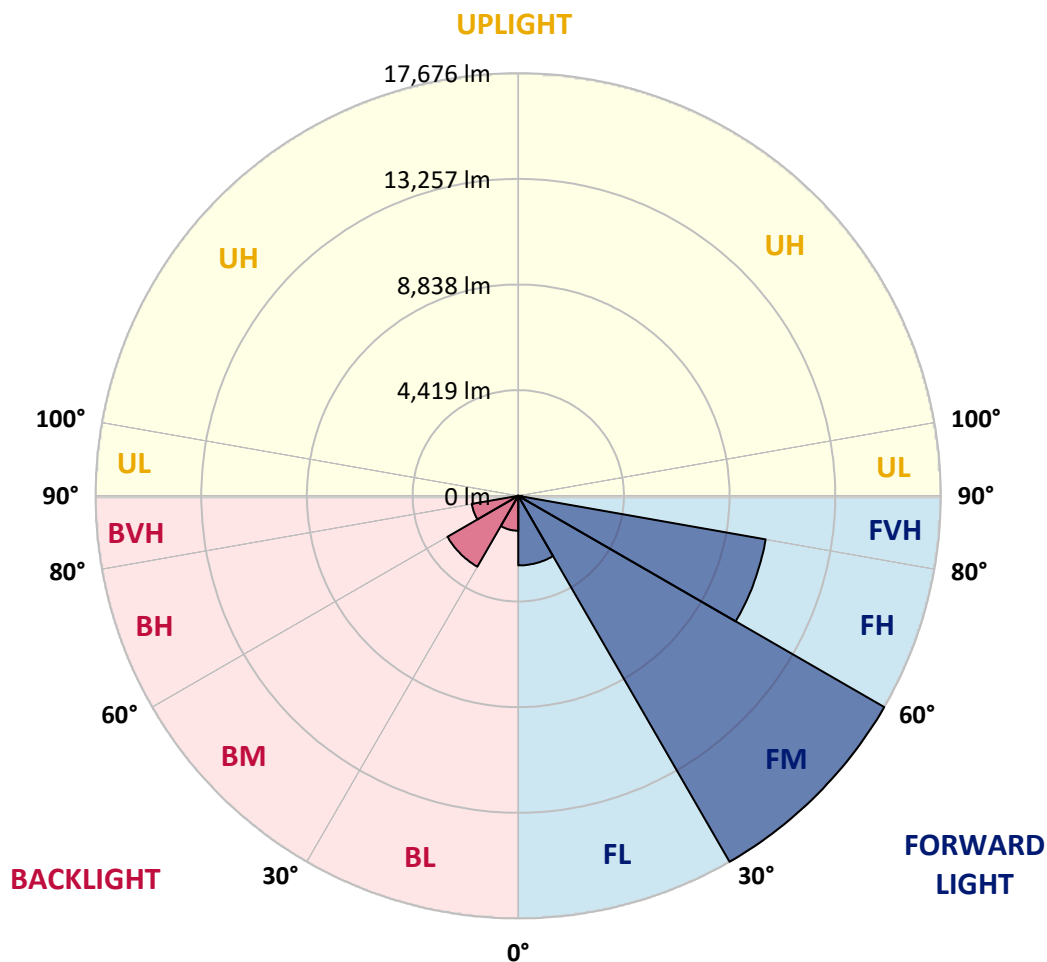


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2911.6	7.6			
FM (30°-60°)	17676.5	46.3			
FH (60°-80°)	10507.4	27.5			G4/12000
FVH (80°-90°)	156.3	0.4			G2/225
BL (0°-30°)	1460.1	3.8	B3/2500		
BM (30°-60°)	3421.3	9.0	B3/5000		
BH (60°-80°)	1973.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	58.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6
2.5°	6682.6	6721.1	6699.1	6688.1	6668.9	6641.4	6619.4	6550.7	6479.3	6432.6
5°	6817.2	6855.7	6853.0	6864.0	6877.7	6885.9	6880.4	6803.5	6701.8	6622.2
7.5°	6701.8	6745.8	6781.5	6836.5	6932.7	7034.3	7083.8	7067.3	6962.9	6853.0
10°	6374.9	6421.6	6506.8	6635.9	6839.2	7059.1	7243.2	7328.3	7262.4	7141.5
12.5°	5775.8	5822.6	5990.2	6270.4	6611.2	6993.1	7344.8	7572.9	7589.4	7468.5
15°	5102.6	5149.3	5328.0	5679.7	6199.0	6811.8	7399.8	7831.2	7976.8	7872.4
17.5°	4685.0	4726.2	4860.8	5143.8	5685.2	6449.0	7380.5	8106.0	8438.4	8356.0
20°	4558.6	4594.3	4657.5	4855.3	5306.0	6072.6	7254.1	8364.3	8935.8	8889.1
22.5°	4693.2	4726.2	4745.4	4833.4	5116.4	5825.3	7094.8	8628.0	9512.8	9518.3
25°	5003.7	5036.7	5014.7	5069.7	5193.3	5748.4	7034.3	8938.5	10238.2	10298.7
27.5°	5514.8	5517.5	5465.3	5462.6	5481.8	5863.8	7097.5	9271.0	11153.3	11265.9
30°	6539.7	6498.5	6297.9	6080.8	5981.9	6210.0	7273.4	9664.0	12233.1	12433.7
32.5°	8119.7	8059.2	7691.0	7171.7	6649.6	6767.8	7589.4	10111.8	13409.2	13771.9
35°	9834.3	9817.8	9433.1	8661.0	7748.7	7561.9	8103.2	10699.9	14692.4	15269.4
37.5°	11428.0	11419.8	11200.0	10290.4	9180.3	8669.3	8927.5	11469.2	16066.3	16901.6
40°	12884.4	12909.1	12689.3	11875.9	10757.6	10089.9	10048.6	12420.0	17594.1	18679.4
42.5°	14142.8	14170.3	13947.7	13346.0	12315.6	11661.6	11425.3	13585.0	19086.1	20589.1
45°	14997.4	15167.8	15134.8	14653.9	13914.8	13236.1	13079.4	15046.9	20787.0	22614.3
47.5°	15239.2	15395.8	15643.1	15709.1	15258.4	14590.7	14777.6	16808.2	22507.1	24642.1
50°	14642.9	14788.6	15302.4	15986.6	16299.8	16093.8	16429.0	18695.9	24268.4	26664.5
52.5°	13466.9	13615.3	14263.7	15346.4	16624.1	17272.6	18085.9	20556.2	25974.8	28579.7
55°	11766.0	11922.6	12755.2	13980.7	16005.8	17758.9	19468.0	22413.7	27538.3	30302.6
57.5°	9452.4	9567.8	10433.3	12147.9	14450.6	17275.3	20487.5	24441.5	29011.1	31995.2
60°	6160.5	6262.2	7267.9	9180.3	11873.2	15659.6	20690.8	26703.0	30967.5	34196.2
62.5°	4096.9	4165.6	4761.9	6166.0	8361.5	12557.4	19501.0	28508.2	33836.2	38026.6
65°	2811.0	2879.7	3475.9	4454.2	5402.1	8306.5	16080.0	28269.2	36435.6	41068.4
67.5°	2005.9	2063.6	2569.2	3492.4	3910.1	4825.1	10900.5	25213.7	36061.9	41183.8
70°	1437.1	1470.1	1887.7	2720.3	3107.7	2898.9	6061.6	19283.9	31574.8	38029.3
72.5°	1005.7	1016.7	1310.7	2071.8	2503.2	2115.8	2885.2	12856.9	23881.0	29849.2
75°	681.5	695.2	882.0	1519.5	2008.6	1615.7	1527.8	6894.2	14019.2	16522.4
77.5°	417.7	423.2	568.8	1038.7	1503.0	1231.0	983.7	2920.9	5424.1	5325.2
80°	236.3	236.3	362.7	645.7	1024.9	794.1	689.7	1242.0	1717.4	1508.5
82.5°	131.9	134.6	263.8	401.2	678.7	469.9	379.2	574.3	741.9	656.7
85°	55.0	60.5	162.1	189.6	324.2	233.6	153.9	241.8	274.8	244.6
87.5°	5.5	8.2	49.5	35.7	38.5	46.7	22.0	46.7	38.5	38.5
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°
6322.6	0°	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6	6322.6
6416.1	2.5°	6363.9	6322.6	6218.2	6097.3	5938.0	5861.0	5756.6	5685.2	5624.7	5630.2
6575.4	5°	6487.5	6383.1	6149.5	5858.3	5495.6	5237.3	4962.5	4772.9	4619.0	4586.1
6795.3	7.5°	6657.9	6493.0	6083.6	5558.8	4946.0	4481.6	4066.7	3800.2	3610.6	3550.1
7061.8	10°	6877.7	6638.6	5998.4	5182.3	4300.3	3709.5	3264.4	3055.5	2926.4	2882.4
7375.0	12.5°	7133.2	6806.3	5885.8	4723.4	3635.3	3066.5	2783.5	2679.1	2637.9	2624.1
7759.7	15°	7454.7	7015.1	5715.4	4179.4	3072.0	2673.6	2552.7	2539.0	2544.4	2539.0
8221.4	17.5°	7836.7	7243.2	5437.9	3618.8	2692.8	2473.0	2429.0	2440.0	2453.8	2451.0
8738.0	20°	8254.3	7468.5	5083.4	3121.5	2434.5	2330.1	2305.4	2316.4	2327.4	2321.9
9334.2	22.5°	8729.7	7710.3	4690.5	2734.0	2261.4	2198.2	2170.7	2173.5	2173.5	2162.5
10089.9	25°	9298.5	7976.8	4278.3	2459.3	2129.5	2080.1	2047.1	2036.1	2019.6	1986.6
11007.6	27.5°	9977.2	8259.8	3882.6	2266.9	2025.1	1978.4	1939.9	1912.5	1871.2	1816.3
12109.5	30°	10741.1	8603.3	3547.4	2146.0	1942.7	1896.0	1852.0	1810.8	1750.3	1681.6
13376.2	32.5°	11639.6	8971.5	3302.8	2066.3	1868.5	1819.0	1766.8	1717.4	1651.4	1582.7
14799.6	35°	12711.2	9416.7	3160.0	2011.4	1810.8	1744.8	1687.1	1632.2	1582.7	1522.3
16346.6	37.5°	13873.6	9889.3	3116.0	1983.9	1772.3	1670.7	1604.7	1566.2	1560.7	1525.0
18020.0	40°	15145.8	10449.8	3149.0	1967.4	1731.1	1599.2	1527.8	1519.5	1533.3	1470.1
19808.8	42.5°	16492.2	11114.8	3203.9	1948.2	1673.4	1527.8	1459.1	1459.1	1448.1	1360.2
21699.2	45°	17948.5	11881.4	3258.9	1901.5	1604.7	1456.3	1404.1	1384.9	1338.2	1253.0
23600.7	47.5°	19415.8	12661.8	3300.1	1816.3	1522.3	1395.9	1349.2	1305.2	1236.5	1159.6
25466.5	50°	20809.0	13362.5	3256.1	1689.9	1428.8	1338.2	1288.7	1228.3	1154.1	1101.9
27233.3	52.5°	22053.7	13969.7	3069.3	1541.5	1329.9	1277.7	1233.8	1170.6	1110.1	1055.1
28827.0	55°	23136.3	14461.6	2739.5	1401.4	1242.0	1225.5	1181.5	1101.9	1019.4	972.7
30407.0	57.5°	24175.0	14835.3	2327.4	1286.0	1162.3	1167.8	1101.9	1030.4	953.5	904.0
32536.5	60°	25557.1	15335.4	1909.7	1178.8	1077.1	1093.6	1022.2	970.0	873.8	810.6
36188.3	62.5°	27766.3	16113.0	1516.8	1046.9	978.2	983.7	953.5	890.3	774.9	700.7
38894.9	65°	29519.4	15827.2	1195.3	904.0	865.6	873.8	873.8	805.1	681.5	596.3
39040.5	67.5°	29321.6	13552.1	953.5	763.9	758.4	763.9	783.1	725.4	604.5	535.8
36067.4	70°	27010.7	10779.6	763.9	634.7	659.5	645.7	700.7	662.2	544.1	475.4
27961.4	72.5°	22040.0	7765.2	582.5	524.8	505.6	527.6	632.0	596.3	453.4	376.4
14810.6	75°	12878.9	4143.7	434.1	414.9	365.5	439.6	560.5	508.3	346.2	277.5
4539.3	77.5°	4193.1	1445.3	318.7	305.0	272.0	354.5	478.1	428.7	283.0	219.8
1329.9	80°	1123.8	436.9	217.1	200.6	175.9	263.8	379.2	340.7	203.3	142.9
571.5	82.5°	450.6	184.1	126.4	112.7	96.2	181.4	299.5	274.8	151.1	90.7
178.6	85°	145.6	60.5	46.7	35.7	44.0	112.7	178.6	186.8	107.2	46.7
27.5	87.5°	19.2	8.2	8.2	11.0	8.2	19.2	55.0	52.2	30.2	5.5
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°
6322.6
5575.3
4511.9
3489.7
2849.5
2615.9
2536.2
2445.5
2319.1
2157.0
1981.2
1810.8
1676.1
1585.5
1516.8
1522.3
1472.8
1360.2
1250.2
1156.8
1093.6
1049.7
967.2
898.5
802.4
695.2
588.0
524.8
467.1
368.2
269.3
211.6
140.1
90.7
35.7
0.0
0.0

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