

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: P850075

Luminaire Tested: **GLAN-SB7B-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850075
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-SB7B-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 450mA 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: 19729 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

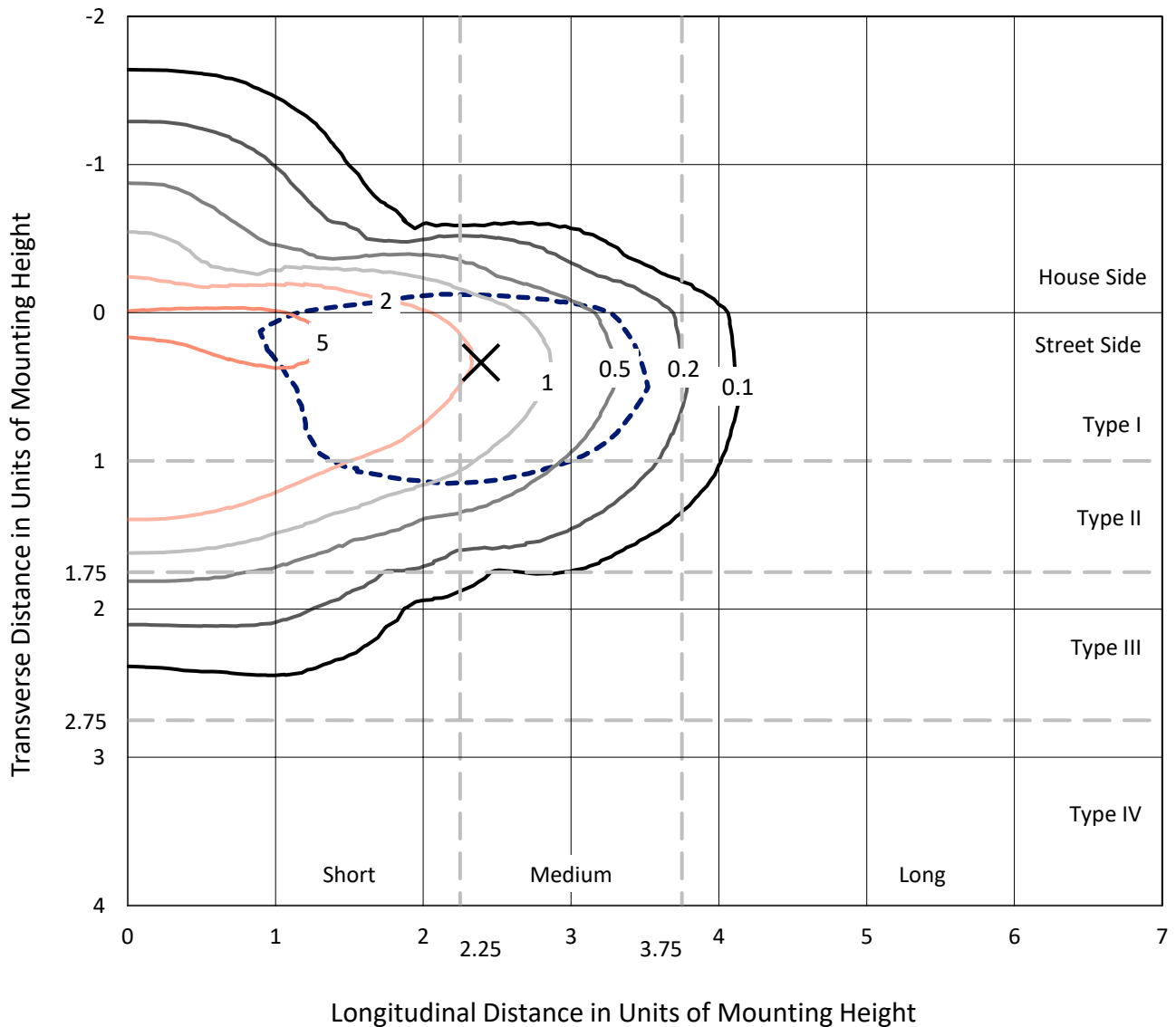
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850075
 CATALOG NUMBER: GLAN-SB7B-930-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

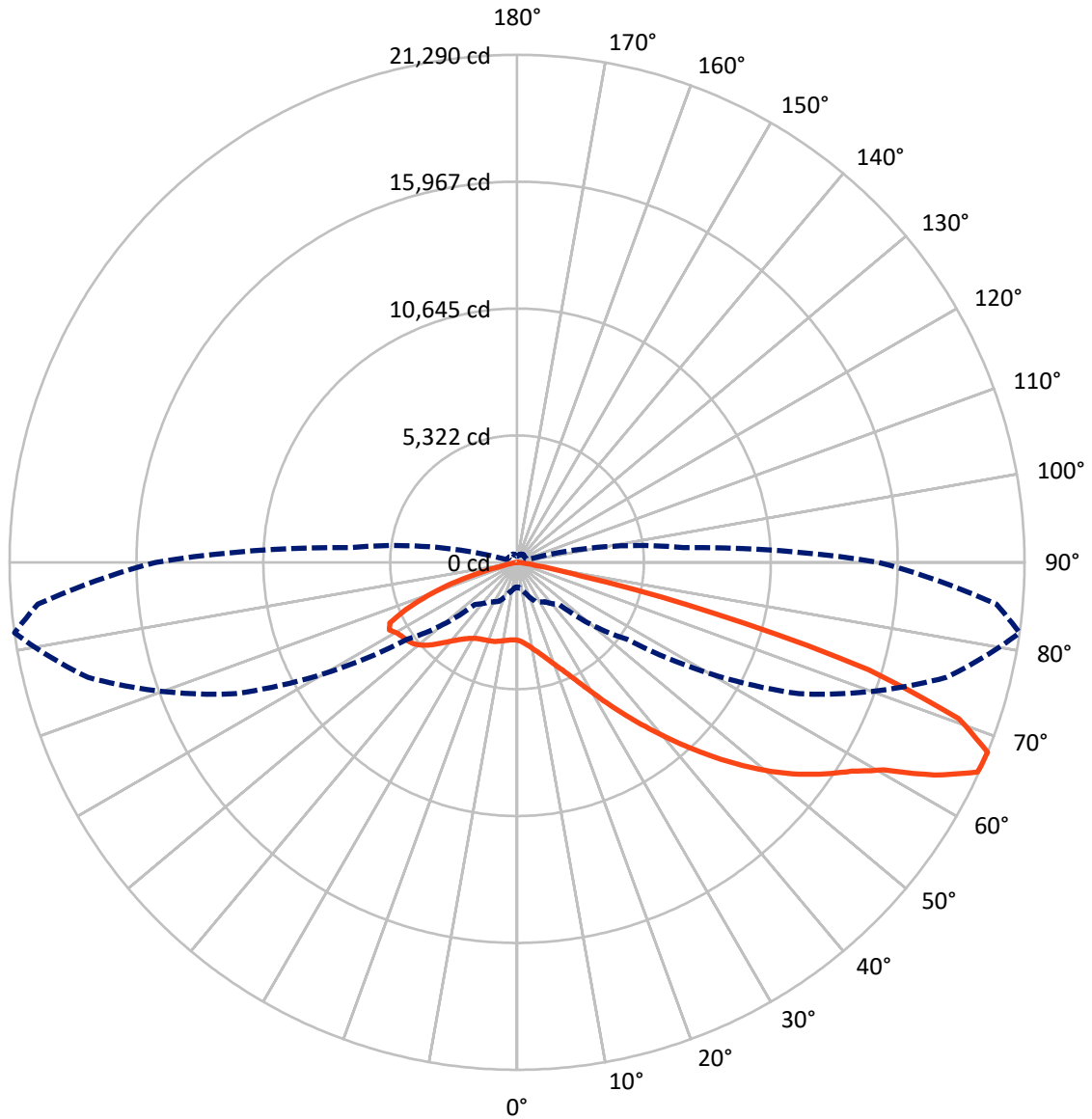
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P850075
CATALOG NUMBER: GLAN-SB7B-930-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	3573.7	0.0	3573.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16155.3	0.0	16155.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	19729.0	0.0	19729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	1.5
10°-20°	756.7	3.8
20°-30°	1212.0	6.1
30°-40°	2143.1	10.9
40°-50°	3755.0	19.0
50°-60°	5008.1	25.4
60°-70°	4662.3	23.6
70°-80°	1789.4	9.1
80°-90°	111.1	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°	19729.0	100.0
0°-180°	19729.0	100.0

Coefficient of Utilization

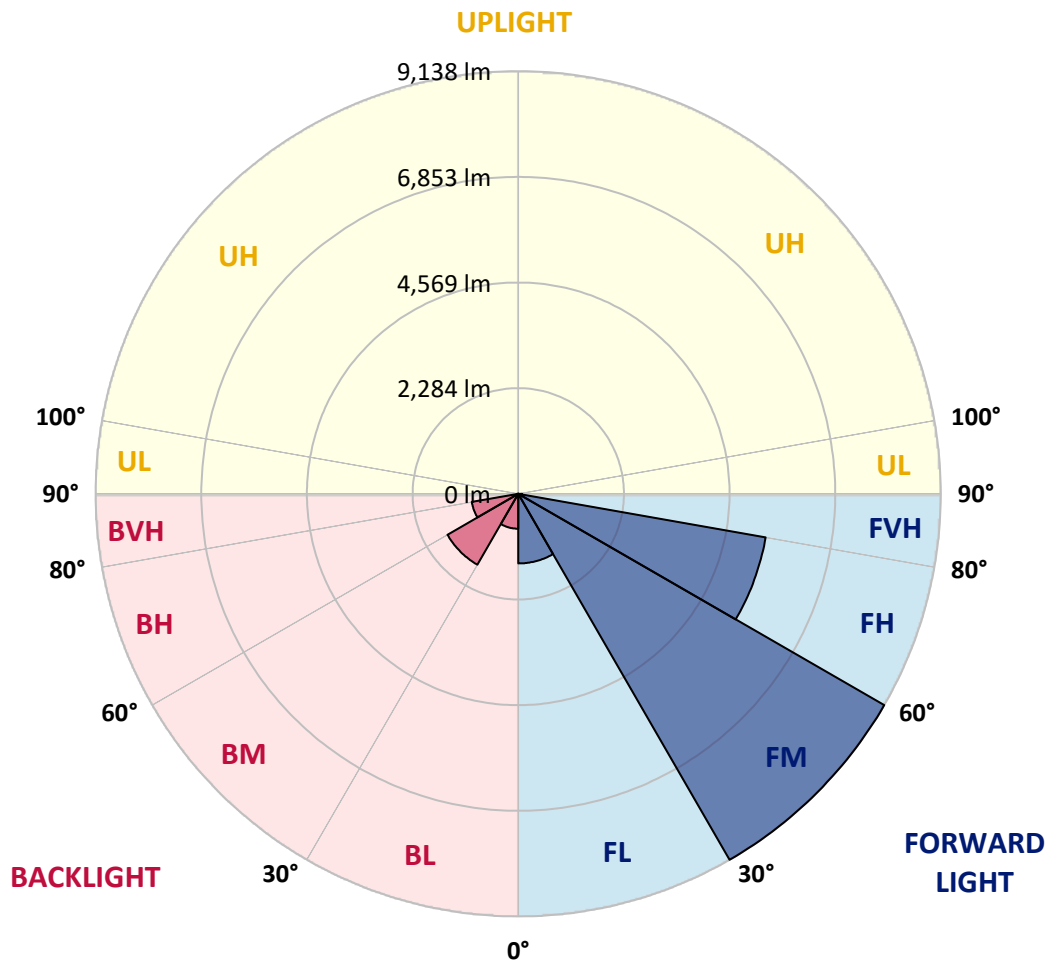


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.1	7.6			
FM (30°-60°)	9137.7	46.3			
FH (60°-80°)	5431.7	27.5			G3/7500
FVH (80°-90°)	80.8	0.4			G1/100
BL (0°-30°)	754.8	3.8	B2/1000		
BM (30°-60°)	1768.6	9.0	B2/2500		
BH (60°-80°)	1020.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.3	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4
2.5°	3454.5	3474.4	3463.0	3457.3	3447.4	3433.2	3421.8	3386.3	3349.4	3325.2
5°	3524.1	3544.0	3542.6	3548.3	3555.4	3559.6	3556.8	3517.0	3464.4	3423.3
7.5°	3464.4	3487.2	3505.6	3534.0	3583.8	3636.3	3661.9	3653.4	3599.4	3542.6
10°	3295.4	3319.6	3363.6	3430.4	3535.5	3649.1	3744.3	3788.3	3754.2	3691.7
12.5°	2985.8	3009.9	3096.6	3241.4	3417.6	3615.0	3796.8	3914.7	3923.2	3860.8
15°	2637.8	2661.9	2754.2	2936.0	3204.5	3521.3	3825.2	4048.2	4123.5	4069.6
17.5°	2421.8	2443.2	2512.8	2659.1	2938.9	3333.8	3815.3	4190.3	4362.2	4319.6
20°	2356.5	2375.0	2407.6	2509.9	2742.9	3139.2	3750.0	4323.8	4619.3	4595.1
22.5°	2426.1	2443.2	2453.1	2498.6	2644.9	3011.3	3667.6	4460.2	4917.6	4920.4
25°	2586.6	2603.7	2592.3	2620.7	2684.6	2971.6	3636.3	4620.7	5292.6	5323.8
27.5°	2850.8	2852.2	2825.3	2823.8	2833.8	3031.2	3669.0	4792.6	5765.6	5823.8
30°	3380.6	3359.3	3255.6	3143.4	3092.3	3210.2	3759.9	4995.7	6323.8	6427.5
32.5°	4197.4	4166.1	3975.8	3707.3	3437.5	3498.5	3923.2	5227.2	6931.7	7119.2
35°	5083.7	5075.2	4876.4	4477.2	4005.6	3909.0	4188.9	5531.2	7595.1	7893.4
37.5°	5907.6	5903.3	5789.7	5319.5	4745.7	4481.5	4615.0	5928.9	8305.3	8737.1
40°	6660.4	6673.2	6559.6	6139.1	5561.0	5215.8	5194.5	6420.4	9095.1	9656.1
42.5°	7311.0	7325.2	7210.1	6899.1	6366.4	6028.3	5906.2	7022.6	9866.4	10643.3
45°	7752.8	7840.8	7823.8	7575.2	7193.1	6842.2	6761.3	7778.3	10745.6	11690.2
47.5°	7877.7	7958.7	8086.6	8120.6	7887.7	7542.5	7639.1	8688.8	11634.8	12738.5
50°	7569.5	7644.8	7910.4	8264.1	8426.0	8319.5	8492.8	9664.7	12545.3	13783.9
52.5°	6961.6	7038.3	7373.5	7933.1	8593.6	8928.9	9349.3	10626.3	13427.4	14774.0
55°	6082.3	6163.3	6593.7	7227.2	8274.1	9180.3	10063.8	11586.5	14235.6	15664.6
57.5°	4886.3	4946.0	5393.4	6279.8	7470.1	8930.3	10590.8	12634.8	14997.0	16539.6
60°	3184.6	3237.2	3757.1	4745.7	6137.7	8095.1	10695.9	13803.8	16008.3	17677.3
62.5°	2117.9	2153.4	2461.6	3187.5	4322.4	6491.4	10080.8	14737.0	17491.3	19657.4
65°	1453.1	1488.6	1796.9	2302.5	2792.6	4294.0	8312.4	14613.5	18835.0	21229.9
67.5°	1036.9	1066.7	1328.1	1805.4	2021.3	2494.3	5634.9	13033.9	18641.8	21289.5
70°	742.9	759.9	975.8	1406.2	1606.5	1498.6	3133.5	9968.6	16322.3	19658.9
72.5°	519.9	525.6	677.5	1071.0	1294.0	1093.7	1491.5	6646.2	12345.0	15430.2
75°	352.3	359.4	456.0	785.5	1038.3	835.2	789.8	3563.9	7247.1	8541.1
77.5°	215.9	218.7	294.0	536.9	777.0	636.4	508.5	1509.9	2803.9	2752.8
80°	122.2	122.2	187.5	333.8	529.8	410.5	356.5	642.0	887.8	779.8
82.5°	68.2	69.6	136.4	207.4	350.8	242.9	196.0	296.9	383.5	339.5
85°	28.4	31.2	83.8	98.0	167.6	120.7	79.5	125.0	142.0	126.4
87.5°	2.8	4.3	25.6	18.5	19.9	24.1	11.4	24.1	19.9	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850075
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3268.4	0°	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4	3268.4
3316.7	2.5°	3289.7	3268.4	3214.5	3152.0	3069.6	3029.8	2975.8	2938.9	2907.6	2910.5
3399.1	5°	3353.7	3299.7	3178.9	3028.4	2840.9	2707.4	2565.3	2467.3	2387.8	2370.7
3512.7	7.5°	3441.7	3356.5	3144.8	2873.5	2556.8	2316.7	2102.2	1964.5	1866.5	1835.2
3650.5	10°	3555.4	3431.8	3100.8	2678.9	2223.0	1917.6	1687.5	1579.5	1512.8	1490.0
3812.5	12.5°	3687.5	3518.4	3042.6	2441.7	1879.2	1585.2	1438.9	1384.9	1363.6	1356.5
4011.3	15°	3853.6	3626.4	2954.5	2160.5	1588.0	1382.1	1319.6	1312.5	1315.3	1312.5
4250.0	17.5°	4051.1	3744.3	2811.0	1870.7	1392.0	1278.4	1255.7	1261.3	1268.5	1267.0
4517.0	20°	4267.0	3860.8	2627.8	1613.6	1258.5	1204.5	1191.7	1197.4	1203.1	1200.3
4825.2	22.5°	4512.7	3985.7	2424.7	1413.3	1169.0	1136.4	1122.1	1123.6	1123.6	1117.9
5215.8	25°	4806.8	4123.5	2211.6	1271.3	1100.8	1075.3	1058.2	1052.5	1044.0	1027.0
5690.3	27.5°	5157.6	4269.8	2007.1	1171.9	1046.9	1022.7	1002.8	988.6	967.3	938.9
6259.9	30°	5552.5	4447.4	1833.8	1109.4	1004.2	980.1	957.4	936.1	904.8	869.3
6914.7	32.5°	6017.0	4637.7	1707.4	1068.2	965.9	940.3	913.3	887.8	853.7	818.2
7650.5	35°	6570.9	4867.8	1633.5	1039.8	936.1	902.0	872.1	843.7	818.2	786.9
8450.2	37.5°	7171.8	5112.2	1610.8	1025.6	916.2	863.6	829.5	809.6	806.8	788.3
9315.2	40°	7829.5	5401.9	1627.8	1017.0	894.9	826.7	789.8	785.5	792.6	759.9
10239.9	42.5°	8525.5	5745.7	1656.2	1007.1	865.0	789.8	754.3	754.3	748.6	703.1
11217.2	45°	9278.3	6142.0	1684.6	982.9	829.5	752.8	725.8	715.9	691.8	647.7
12200.1	47.5°	10036.8	6545.4	1705.9	938.9	786.9	721.6	697.4	674.7	639.2	599.4
13164.6	50°	10757.0	6907.6	1683.2	873.6	738.6	691.8	666.2	634.9	596.6	569.6
14078.0	52.5°	11400.4	7221.5	1586.6	796.9	687.5	660.5	637.8	605.1	573.9	545.4
14901.8	55°	11960.1	7475.8	1416.2	724.4	642.0	633.5	610.8	569.6	527.0	502.8
15718.6	57.5°	12497.0	7668.9	1203.1	664.8	600.8	603.7	569.6	532.7	492.9	467.3
16819.4	60°	13211.5	7927.5	987.2	609.4	556.8	565.3	528.4	501.4	451.7	419.0
18707.2	62.5°	14353.5	8329.4	784.1	541.2	505.7	508.5	492.9	460.2	400.6	362.2
20106.3	65°	15259.8	8181.7	617.9	467.3	447.4	451.7	451.7	416.2	352.3	308.2
20181.6	67.5°	15157.5	7005.6	492.9	394.9	392.0	394.9	404.8	375.0	312.5	277.0
18644.7	70°	13962.9	5572.4	394.9	328.1	340.9	333.8	362.2	342.3	281.2	245.7
14454.4	72.5°	11393.3	4014.2	301.1	271.3	261.4	272.7	326.7	308.2	234.4	194.6
7656.2	75°	6657.6	2142.0	224.4	214.5	188.9	227.3	289.8	262.8	179.0	143.5
2346.6	77.5°	2167.6	747.2	164.8	157.7	140.6	183.2	247.2	221.6	146.3	113.6
687.5	80°	581.0	225.8	112.2	103.7	90.9	136.4	196.0	176.1	105.1	73.9
295.5	82.5°	233.0	95.2	65.3	58.2	49.7	93.7	154.8	142.0	78.1	46.9
92.3	85°	75.3	31.2	24.1	18.5	22.7	58.2	92.3	96.6	55.4	24.1
14.2	87.5°	9.9	4.3	4.3	5.7	4.3	9.9	28.4	27.0	15.6	2.8
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°
3268.4
2882.1
2332.4
1804.0
1473.0
1352.3
1311.1
1264.2
1198.8
1115.0
1024.1
936.1
866.5
819.6
784.1
786.9
761.4
703.1
646.3
598.0
565.3
542.6
500.0
464.5
414.8
359.4
304.0
271.3
241.5
190.3
139.2
109.4
72.4
46.9
18.5
0.0
0.0

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