

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: P848825

Luminaire Tested: **GLAN-SB5C-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848825
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-SB5C-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 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: 22026 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

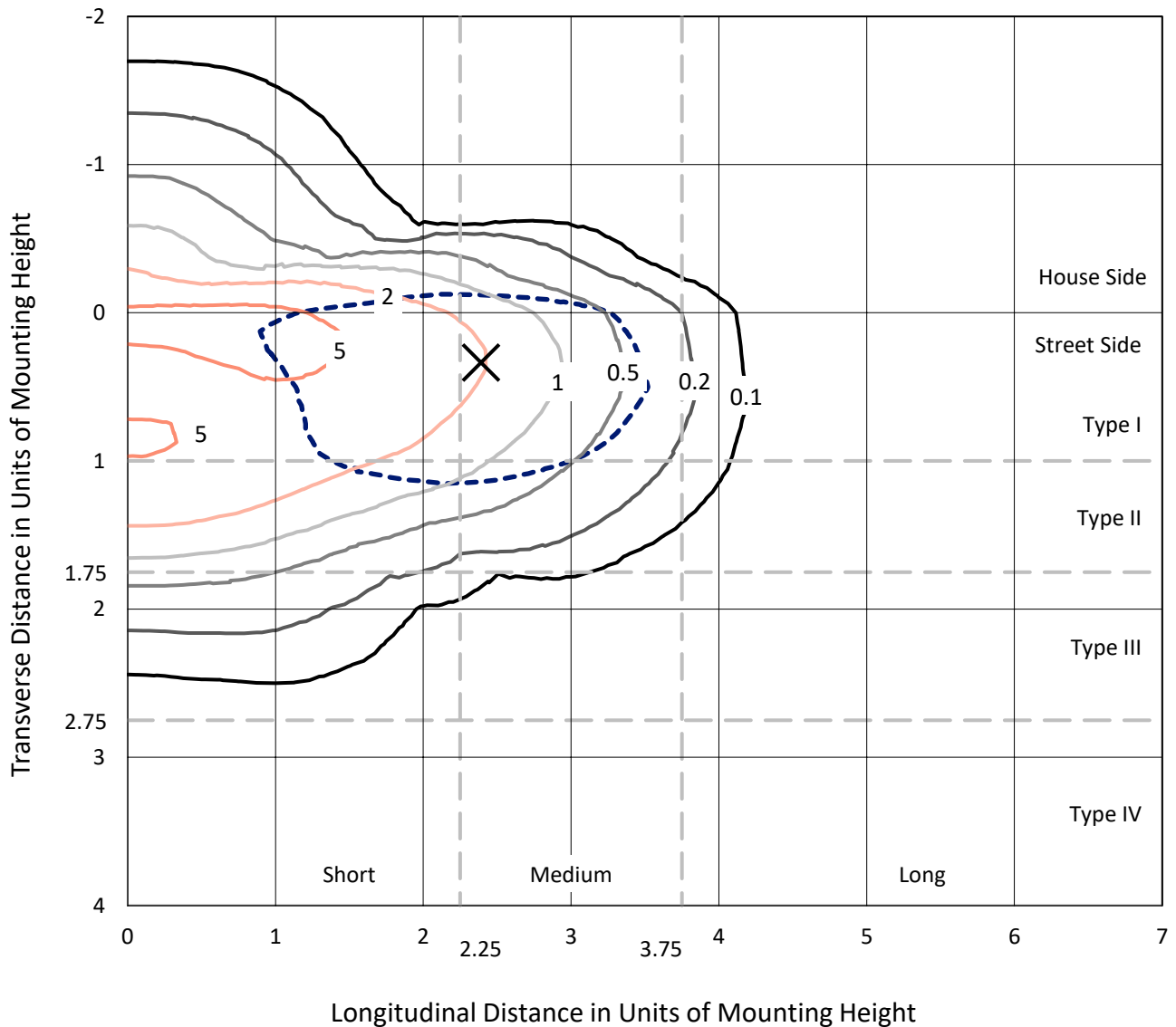
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

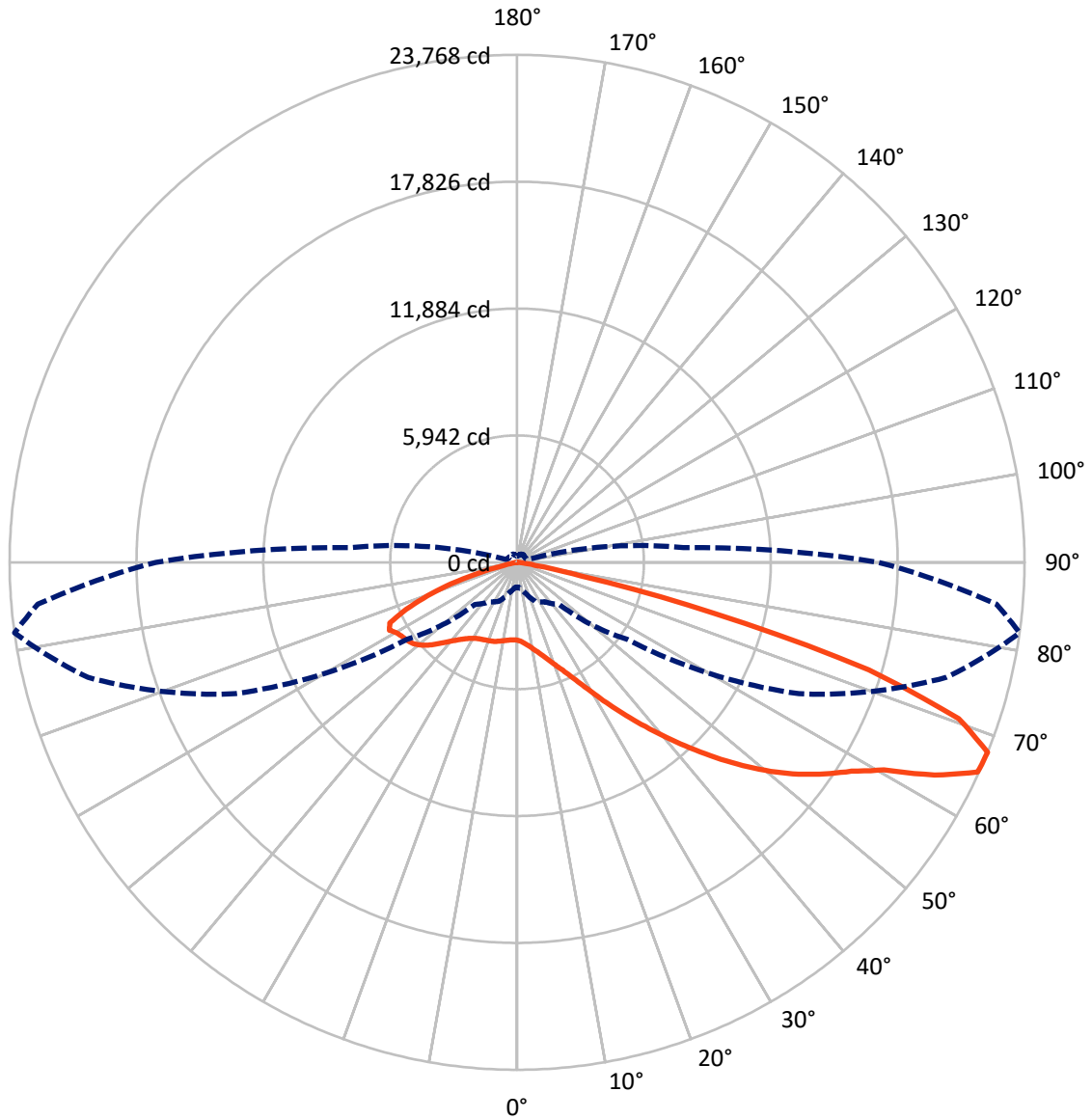
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

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CATALOG NUMBER: GLAN-SB5C-827-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	3989.8	0.0	3989.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	18036.2	0.0	18036.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	22026.0	0.0	22026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.1	1.5
10°-20°	844.8	3.8
20°-30°	1353.1	6.1
30°-40°	2392.7	10.9
40°-50°	4192.2	19.0
50°-60°	5591.2	25.4
60°-70°	5205.1	23.6
70°-80°	1997.7	9.1
80°-90°	124.1	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°	22026.0	100.0
0°-180°	22026.0	100.0

Coefficient of Utilization



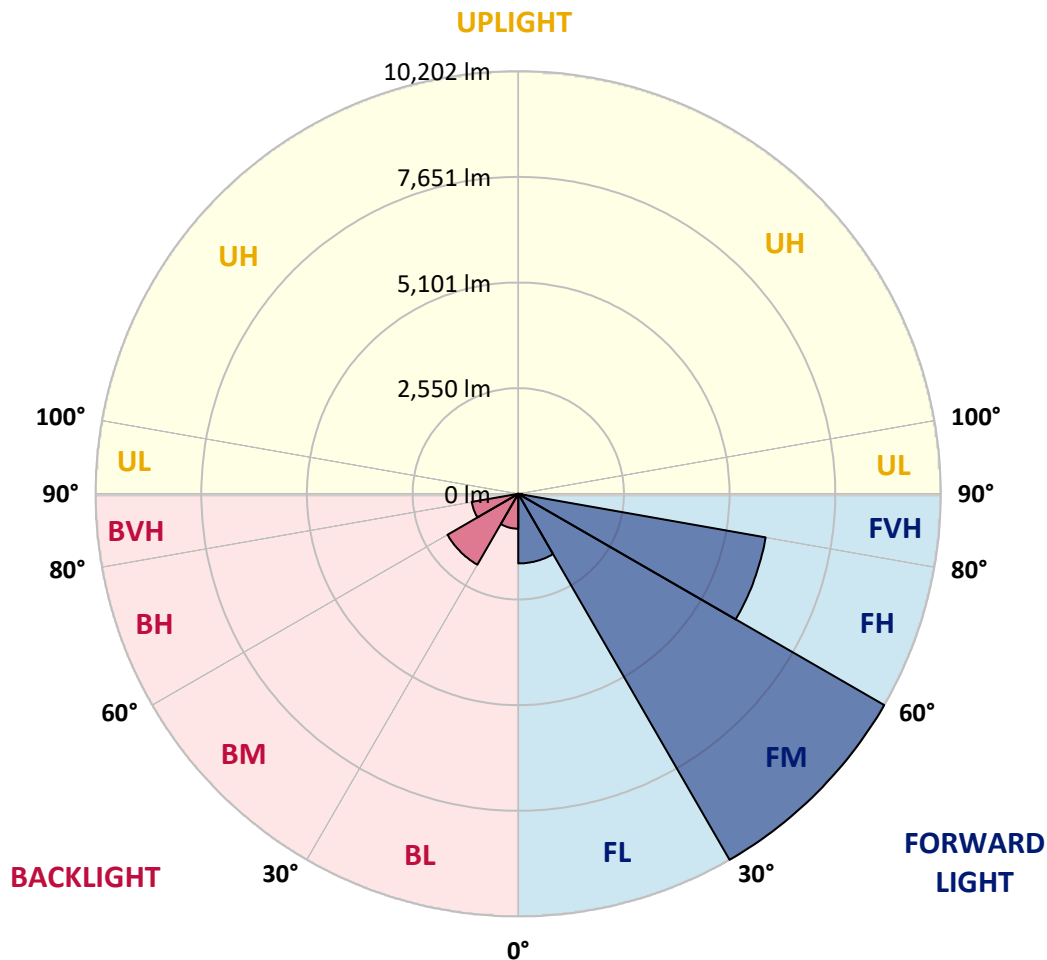
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1680.3	7.6			
FM (30°-60°)	10201.5	46.3			
FH (60°-80°)	6064.1	27.5			G3/7500
FVH (80°-90°)	90.2	0.4			G1/100
BL (0°-30°)	842.6	3.8	B2/1000		
BM (30°-60°)	1974.5	9.0	B2/2500		
BH (60°-80°)	1138.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	33.9	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°	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0
2.5°	3856.7	3878.9	3866.2	3859.9	3848.8	3832.9	3820.2	3780.6	3739.4	3712.4
5°	3934.4	3956.6	3955.0	3961.4	3969.3	3974.1	3970.9	3926.5	3867.8	3821.8
7.5°	3867.8	3893.2	3913.8	3945.5	4001.0	4059.7	4088.2	4078.7	4018.5	3955.0
10°	3679.1	3706.1	3755.2	3829.7	3947.1	4074.0	4180.2	4229.4	4191.3	4121.5
12.5°	3333.4	3360.3	3457.1	3618.8	3815.5	4035.9	4238.9	4370.5	4380.0	4310.2
15°	2944.9	2971.8	3074.9	3277.9	3577.6	3931.2	4270.6	4519.6	4603.6	4543.4
17.5°	2703.8	2727.6	2805.3	2968.6	3281.1	3721.9	4259.5	4678.2	4870.0	4822.5
20°	2630.9	2651.5	2688.0	2802.1	3062.2	3504.7	4186.6	4827.2	5157.1	5130.1
22.5°	2708.6	2727.6	2738.7	2789.5	2952.8	3361.9	4094.6	4979.5	5490.1	5493.3
25°	2887.8	2906.8	2894.1	2925.8	2997.2	3317.5	4059.7	5158.7	5908.8	5943.6
27.5°	3182.7	3184.3	3154.2	3152.6	3163.7	3384.1	4096.2	5350.5	6436.8	6501.8
30°	3774.2	3750.5	3634.7	3509.4	3452.3	3583.9	4197.7	5577.3	7060.1	7175.8
32.5°	4686.1	4651.2	4438.7	4139.0	3837.7	3905.9	4380.0	5835.8	7738.8	7948.1
35°	5675.6	5666.1	5444.1	4998.5	4472.0	4364.2	4676.6	6175.2	8479.4	8812.4
37.5°	6595.4	6590.7	6463.8	5938.9	5298.2	5003.2	5152.3	6619.2	9272.3	9754.4
40°	7435.9	7450.2	7323.3	6853.9	6208.5	5823.1	5799.3	7167.9	10154.0	10780.4
42.5°	8162.2	8178.1	8049.6	7702.3	7107.6	6730.2	6593.8	7840.3	11015.1	11882.5
45°	8655.4	8753.7	8734.7	8457.2	8030.6	7638.9	7548.5	8683.9	11996.7	13051.3
47.5°	8794.9	8885.3	9028.1	9066.1	8806.0	8420.7	8528.5	9700.4	12989.4	14221.6
50°	8450.8	8534.9	8831.4	9226.3	9407.1	9288.1	9481.6	10789.9	14005.9	15388.8
52.5°	7772.1	7857.7	8232.0	8856.8	9594.2	9968.4	10437.8	11863.5	14990.7	16494.1
55°	6790.5	6880.9	7361.4	8068.6	9237.4	10249.1	11235.5	12935.5	15893.0	17488.4
57.5°	5455.2	5521.8	6021.3	7010.9	8339.8	9970.0	11823.8	14105.8	16743.0	18465.2
60°	3555.4	3614.1	4194.5	5298.2	6852.3	9037.6	11941.2	15411.0	17872.1	19735.5
62.5°	2364.5	2404.1	2748.2	3558.6	4825.6	7247.2	11254.5	16452.8	19527.7	21946.1
65°	1622.3	1661.9	2006.1	2570.6	3117.7	4793.9	9280.2	16314.9	21027.9	23701.6
67.5°	1157.6	1190.9	1482.7	2015.6	2256.6	2784.7	6290.9	14551.4	20812.3	23768.2
70°	829.4	848.4	1089.5	1570.0	1793.6	1673.0	3498.3	11129.3	18222.6	21947.7
72.5°	580.4	586.8	756.4	1195.7	1444.7	1221.1	1665.1	7420.0	13782.3	17226.7
75°	393.3	401.2	509.0	877.0	1159.2	932.5	881.7	3978.8	8090.8	9535.5
77.5°	241.0	244.2	328.3	599.4	867.4	710.4	567.7	1685.7	3130.4	3073.3
80°	136.4	136.4	209.3	372.7	591.5	458.3	398.0	716.8	991.1	870.6
82.5°	76.1	77.7	152.2	231.5	391.7	271.2	218.8	331.4	428.2	379.0
85°	31.7	34.9	93.6	109.4	187.1	134.8	88.8	139.6	158.6	141.1
87.5°	3.2	4.8	28.5	20.6	22.2	27.0	12.7	27.0	22.2	22.2
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°
3649.0	0°	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0	3649.0
3702.9	2.5°	3672.8	3649.0	3588.7	3518.9	3426.9	3382.5	3322.3	3281.1	3246.2	3249.3
3794.9	5°	3744.1	3683.9	3549.1	3381.0	3171.6	3022.6	2864.0	2754.6	2665.8	2646.7
3921.7	7.5°	3842.4	3747.3	3511.0	3208.1	2854.5	2586.5	2347.0	2193.2	2083.8	2048.9
4075.5	10°	3969.3	3831.3	3461.8	2990.8	2481.8	2140.9	1883.9	1763.4	1688.9	1663.5
4256.3	12.5°	4116.8	3928.1	3396.8	2726.0	2098.0	1769.8	1606.4	1546.2	1522.4	1514.5
4478.3	15°	4302.3	4048.6	3298.5	2412.0	1772.9	1543.0	1473.2	1465.3	1468.5	1465.3
4744.8	17.5°	4522.7	4180.2	3138.3	2088.5	1554.1	1427.2	1401.9	1408.2	1416.1	1414.5
5042.9	20°	4763.8	4310.2	2933.8	1801.5	1405.0	1344.8	1330.5	1336.8	1343.2	1340.0
5387.0	22.5°	5038.1	4449.8	2707.0	1577.9	1305.1	1268.7	1252.8	1254.4	1254.4	1248.0
5823.1	25°	5366.4	4603.6	2469.1	1419.3	1229.0	1200.5	1181.4	1175.1	1165.6	1146.5
6352.8	27.5°	5758.1	4767.0	2240.8	1308.3	1168.7	1141.8	1119.6	1103.7	1079.9	1048.2
6988.7	30°	6199.0	4965.2	2047.3	1238.5	1121.2	1094.2	1068.8	1045.1	1010.2	970.5
7719.8	32.5°	6717.5	5177.7	1906.2	1192.5	1078.4	1049.8	1019.7	991.1	953.1	913.4
8541.2	35°	7336.0	5434.6	1823.7	1160.8	1045.1	1007.0	973.7	942.0	913.4	878.5
9434.0	37.5°	8006.8	5707.4	1798.3	1145.0	1022.9	964.2	926.1	903.9	900.7	880.1
10399.8	40°	8741.0	6030.9	1817.3	1135.4	999.1	922.9	881.7	877.0	884.9	848.4
11432.1	42.5°	9518.1	6414.6	1849.1	1124.3	965.8	881.7	842.1	842.1	835.7	785.0
12523.2	45°	10358.6	6857.1	1880.8	1097.4	926.1	840.5	810.4	799.3	772.3	723.1
13620.6	47.5°	11205.4	7307.4	1904.6	1048.2	878.5	805.6	778.6	753.3	713.6	669.2
14697.3	50°	12009.4	7711.8	1879.2	975.3	824.6	772.3	743.7	708.9	666.0	635.9
15717.0	52.5°	12727.8	8062.3	1771.4	889.6	767.5	737.4	712.0	675.6	640.7	609.0
16636.8	55°	13352.6	8346.2	1581.1	808.8	716.8	707.3	681.9	635.9	588.3	561.4
17548.6	57.5°	13952.0	8561.8	1343.2	742.2	670.8	674.0	635.9	594.7	550.3	521.7
18777.6	60°	14749.7	8850.4	1102.1	680.3	621.6	631.2	589.9	559.8	504.3	467.8
20885.2	62.5°	16024.7	9299.2	875.4	604.2	564.6	567.7	550.3	513.8	447.2	404.4
22447.2	65°	17036.4	9134.3	689.8	521.7	499.5	504.3	504.3	464.6	393.3	344.1
22531.3	67.5°	16922.2	7821.2	550.3	440.9	437.7	440.9	452.0	418.7	348.9	309.2
20815.4	70°	15588.6	6221.2	440.9	366.3	380.6	372.7	404.4	382.2	314.0	274.3
16137.3	72.5°	12719.8	4481.5	336.2	302.9	291.8	304.5	364.7	344.1	261.7	217.3
8547.5	75°	7432.7	2391.4	250.6	239.5	210.9	253.7	323.5	293.4	199.8	160.2
2619.8	77.5°	2420.0	834.1	184.0	176.0	157.0	204.6	275.9	247.4	163.3	126.9
767.5	80°	648.6	252.1	125.3	115.8	101.5	152.2	218.8	196.6	117.4	82.5
329.8	82.5°	260.1	106.2	72.9	65.0	55.5	104.7	172.9	158.6	87.2	52.3
103.1	85°	84.0	34.9	27.0	20.6	25.4	65.0	103.1	107.8	61.8	27.0
15.9	87.5°	11.1	4.8	4.8	6.3	4.8	11.1	31.7	30.1	17.4	3.2
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°
3649.0
3217.6
2603.9
2014.0
1644.5
1509.7
1463.7
1411.4
1338.4
1244.9
1143.4
1045.1
967.3
915.0
875.4
878.5
850.0
785.0
721.5
667.6
631.2
605.8
558.2
518.6
463.1
401.2
339.4
302.9
269.6
212.5
155.4
122.1
80.9
52.3
20.6
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