

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: P849443

Luminaire Tested: **GLAN-SB6C-727-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-727-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40035 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

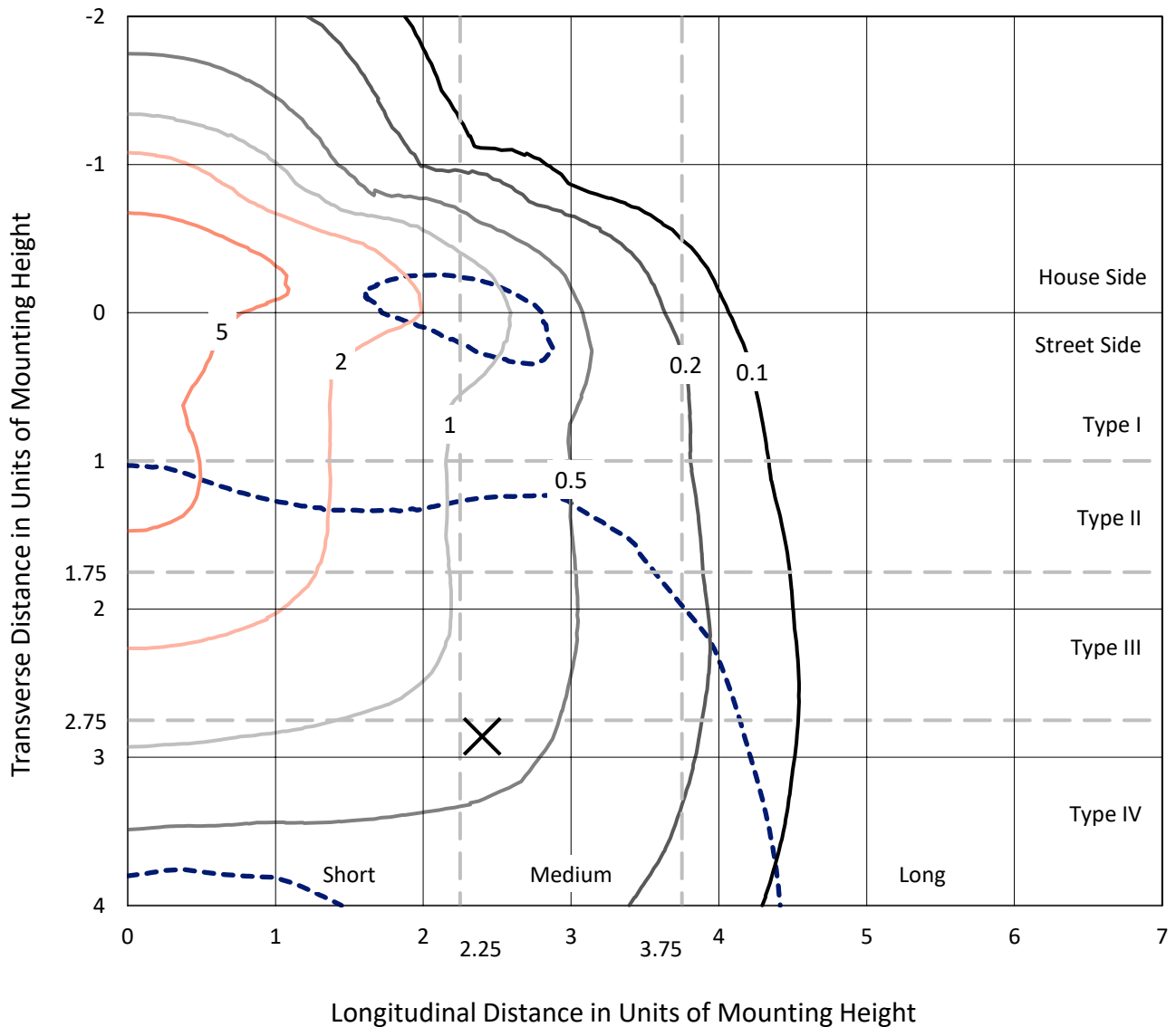
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

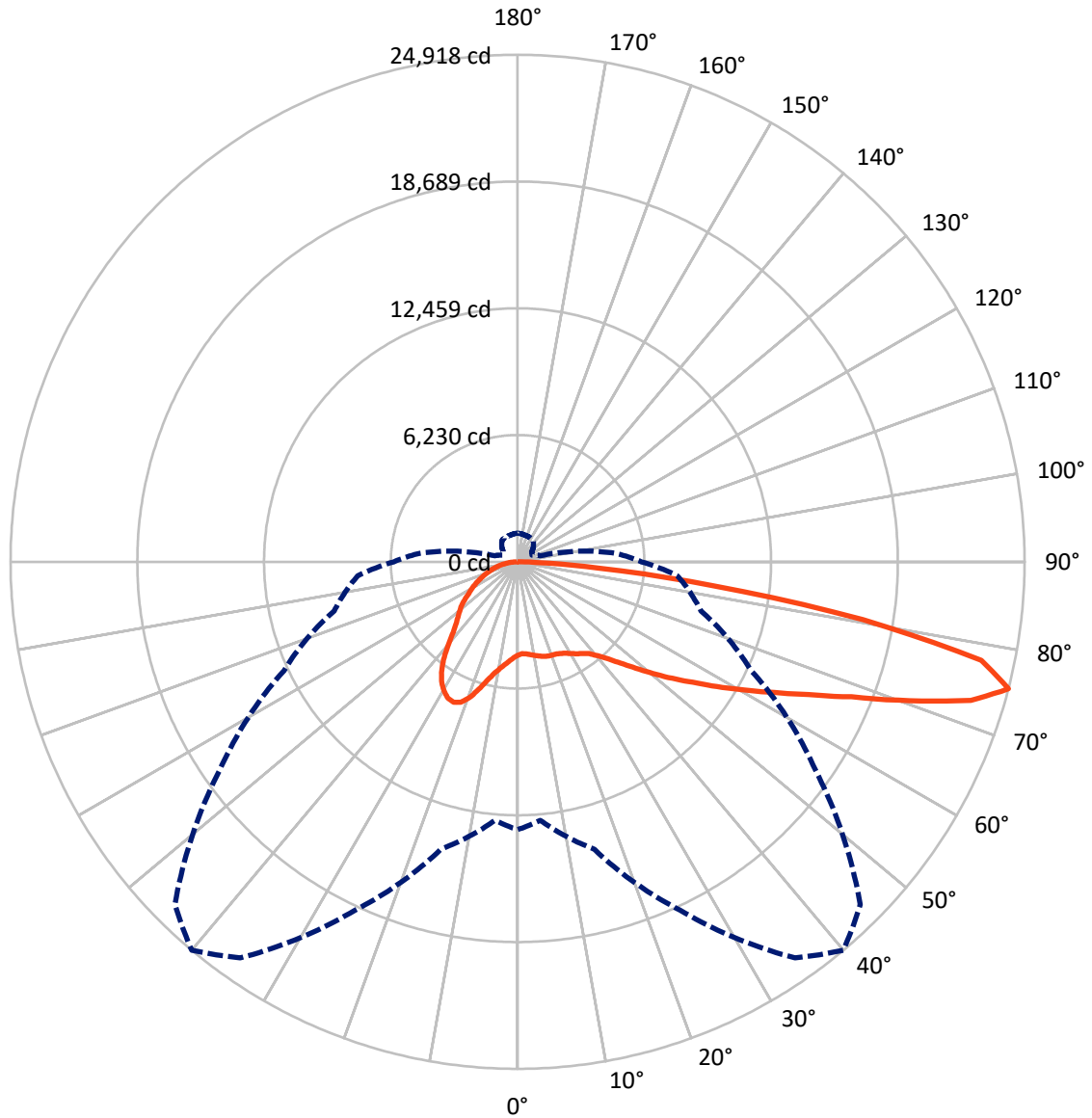
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12404.2	0.0	12404.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	27630.8	0.0	27630.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	40035.0	0.0	40035.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.0	1.1
10°-20°	1534.3	3.8
20°-30°	2801.5	7.0
30°-40°	3973.3	9.9
40°-50°	5365.1	13.4
50°-60°	7217.5	18.0
60°-70°	9160.7	22.9
70°-80°	8313.9	20.8
80°-90°	1211.9	3.0
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°	40035.0	100.0
0°-180°	40035.0	100.0

**Coefficient of Utilization**

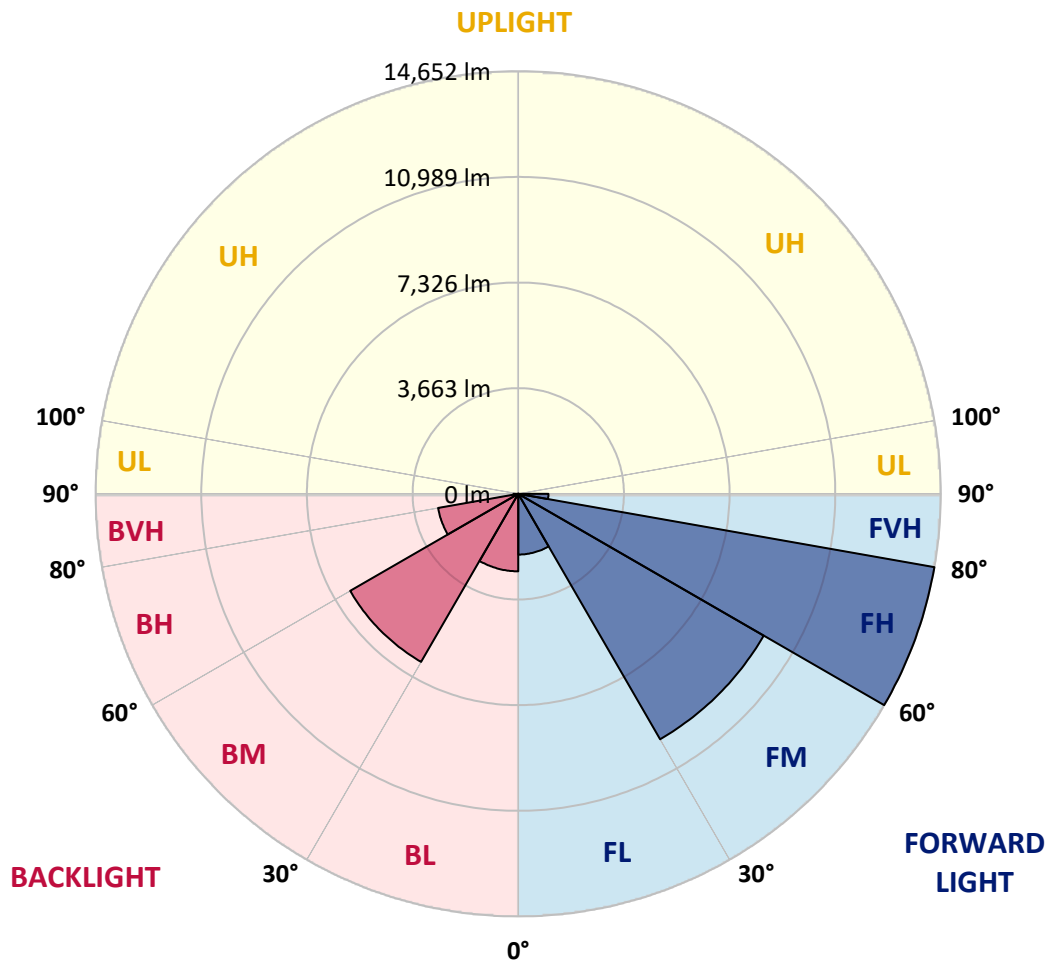


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2105.9	5.3			
FM (30°-60°)	9827.7	24.5			
FH (60°-80°)	14652.2	36.6			G5
FVH (80°-90°)	1045.1	2.6			G5
BL (0°-30°)	2686.9	6.7	B4/5000		
BM (30°-60°)	6728.1	16.8	B4/8500		
BH (60°-80°)	2822.3	7.0	B4/5000		G4/5000
BVH (80°-90°)	166.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1
2.5°	4508.0	4533.5	4527.1	4518.6	4518.6	4520.7	4518.6	4533.5	4548.3	4563.2
5°	4554.7	4580.2	4567.4	4556.8	4548.3	4546.2	4539.8	4537.7	4546.2	4565.3
7.5°	4646.0	4671.5	4652.4	4633.3	4616.3	4607.8	4599.3	4586.5	4580.2	4590.8
10°	4747.9	4773.4	4750.1	4716.1	4688.5	4677.9	4669.4	4656.6	4648.1	4654.5
12.5°	4849.9	4875.3	4843.5	4796.8	4760.7	4754.3	4743.7	4739.4	4737.3	4735.2
15°	4945.4	4966.6	4926.3	4871.1	4832.9	4822.2	4811.6	4818.0	4828.6	4841.4
17.5°	5019.7	5041.0	4981.5	4909.3	4873.2	4869.0	4862.6	4883.8	4913.6	4945.4
20°	5087.7	5108.9	5032.5	4934.8	4892.3	4892.3	4894.4	4939.0	4981.5	5028.2
22.5°	5183.2	5200.2	5106.8	4973.0	4911.4	4915.7	4932.7	4977.3	5030.3	5094.0
25°	5325.5	5338.2	5223.6	5045.2	4975.1	4987.9	5002.7	5024.0	5074.9	5149.3
27.5°	5554.8	5565.4	5414.7	5172.6	5066.4	5087.7	5108.9	5094.0	5117.4	5181.1
30°	5877.6	5883.9	5692.8	5372.2	5221.4	5232.1	5236.3	5174.7	5130.1	5181.1
32.5°	6259.8	6257.7	6030.5	5614.3	5397.7	5387.1	5351.0	5229.9	5125.9	5170.5
35°	6852.2	6828.9	6535.8	5954.0	5597.3	5531.5	5446.5	5291.5	5147.1	5159.9
37.5°	7833.2	7761.0	7355.5	6510.4	5894.6	5726.8	5601.5	5391.3	5193.8	5155.6
40°	8939.5	8848.2	8402.3	7272.7	6340.5	6070.8	5869.1	5533.6	5270.3	5174.7
42.5°	10251.8	10122.3	9642.4	8170.9	6905.3	6514.6	6211.0	5714.1	5382.8	5236.3
45°	11863.4	11691.5	11012.0	9183.7	7616.6	7096.4	6690.8	5988.0	5554.8	5355.2
47.5°	13492.1	13534.6	12568.4	10343.1	8470.3	7814.1	7291.8	6399.9	5805.4	5546.3
50°	15222.7	15252.4	14116.4	11627.8	9438.5	8625.3	7967.0	6860.7	6153.6	5818.1
52.5°	16573.2	16577.4	15522.1	12971.9	10447.1	9517.1	8695.3	7387.3	6557.1	6179.1
55°	17418.3	17407.7	16507.3	14243.8	11606.5	10453.5	9502.2	7986.1	7049.7	6603.8
57.5°	18031.9	18000.1	17186.8	15337.3	12842.3	11559.8	10415.3	8665.6	7631.5	7109.2
60°	18265.5	18246.4	17647.6	16282.2	14141.9	12782.9	11468.5	9425.8	8291.9	7705.8
62.5°	18354.7	18390.8	18099.9	17197.4	15532.7	14137.6	12625.8	10334.6	9035.1	8381.1
65°	18669.0	18734.8	18675.3	18395.0	17104.0	15723.8	14161.0	11415.4	9846.2	9105.1
67.5°	19291.1	19356.9	19382.4	19828.3	19023.6	17700.7	16076.3	12761.6	10795.4	9856.8
70°	19276.2	19257.1	19707.3	20968.6	21427.3	20437.7	18658.3	14417.9	11927.2	10481.1
72.5°	17545.7	17392.8	18456.6	20955.9	23427.5	23295.8	21811.6	16554.0	12903.9	10557.6
75°	13163.0	12755.3	14634.5	18885.5	23760.9	24918.1	23816.1	17879.0	12672.5	9328.1
77.5°	5629.1	5219.3	7434.0	13980.5	21265.9	23293.7	21977.2	15598.5	10115.9	6168.5
80°	1473.6	1471.5	2246.6	6338.4	14462.5	17201.7	15091.0	10073.4	5779.9	2204.1
82.5°	609.4	594.6	826.0	2465.3	7066.7	9653.0	7877.8	4493.1	2087.3	596.7
85°	227.2	225.1	401.3	851.5	2492.9	3981.4	2881.5	1148.8	520.2	290.9
87.5°	63.7	61.6	87.1	295.2	607.3	921.6	492.6	189.0	146.5	114.7
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°
4578.1	0°	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1	4578.1
4586.5	2.5°	4592.9	4603.5	4622.6	4637.5	4656.6	4677.9	4707.6	4726.7	4745.8	4758.5
4597.2	5°	4612.0	4635.4	4684.2	4733.1	4790.4	4843.5	4905.1	4949.7	4985.7	4996.4
4635.4	7.5°	4654.5	4692.7	4775.5	4858.3	4949.7	5036.7	5125.9	5202.3	5263.9	5287.3
4703.3	10°	4728.8	4779.8	4896.6	5013.4	5134.4	5268.2	5382.8	5493.2	5580.3	5616.4
4784.0	12.5°	4822.2	4885.9	5038.8	5200.2	5368.0	5552.7	5701.3	5837.2	5945.5	5994.4
4896.6	15°	4943.3	5026.1	5221.4	5438.0	5684.3	5941.3	6130.3	6281.0	6402.1	6461.5
5013.4	17.5°	5074.9	5185.3	5431.7	5758.7	6111.2	6448.8	6669.6	6780.0	6905.3	6962.6
5121.6	20°	5202.3	5338.2	5690.7	6166.4	6635.6	6994.5	7172.9	7202.6	7211.1	7217.4
5223.6	22.5°	5334.0	5516.6	6015.6	6680.2	7183.5	7431.9	7457.4	7330.0	7151.6	7068.8
5323.4	25°	5478.4	5720.4	6440.3	7247.2	7654.9	7684.6	7489.2	7179.2	6841.6	6686.6
5404.1	27.5°	5618.5	5956.1	6949.9	7788.6	7994.6	7733.4	7313.0	6873.5	6465.8	6302.3
5461.4	30°	5758.7	6225.8	7512.6	8262.2	8149.6	7612.4	7034.8	6544.3	6134.5	5962.5
5512.4	32.5°	5900.9	6540.1	8160.2	8604.0	8122.0	7355.5	6688.7	6174.9	5813.9	5633.4
5556.9	35°	6062.3	6926.5	8773.9	8790.9	7937.3	6977.5	6232.2	5733.2	5418.9	5274.5
5610.0	37.5°	6272.5	7417.0	9315.4	8837.6	7614.5	6423.3	5665.2	5210.8	4951.8	4885.9
5688.6	40°	6533.7	8007.4	9729.4	8763.3	7136.8	5750.2	5045.2	4682.1	4535.6	4550.5
5794.8	42.5°	6873.5	8667.7	10020.3	8572.2	6472.1	5055.8	4501.6	4340.2	4410.3	4469.8
5954.0	45°	7315.1	9353.6	10200.8	8247.3	5720.4	4467.6	4181.0	4219.2	4272.3	4278.7
6211.0	47.5°	7879.9	10047.9	10319.7	7756.8	4953.9	4053.6	3977.1	3985.6	3975.0	3930.4
6595.3	50°	8584.9	10723.2	10425.9	7107.0	4302.0	3794.5	3692.6	3662.9	3516.4	3372.0
7107.0	52.5°	9387.6	11343.2	10470.5	6300.1	3794.5	3577.9	3412.3	3225.4	2951.5	2906.9
7750.4	55°	10279.4	11916.5	10355.8	5308.5	3367.7	3299.8	3049.2	2824.1	2794.4	2756.2
8597.7	57.5°	11345.3	12534.4	10122.3	4202.2	2930.3	2974.9	2730.7	2756.2	2703.1	2643.6
9687.0	60°	12511.1	13173.6	9712.4	3193.6	2478.0	2569.3	2647.9	2645.8	2630.9	2582.1
10835.7	62.5°	13560.0	13594.0	8905.5	2446.2	2080.9	2255.1	2469.5	2467.4	2454.7	2427.0
12035.4	65°	14184.3	13530.3	7559.3	1925.9	1753.9	1996.0	2227.4	2244.4	2246.6	2244.4
12937.9	67.5°	14073.9	12785.0	5712.0	1533.1	1484.3	1732.7	1987.5	2010.9	2027.8	2032.1
13052.6	70°	12825.4	11147.9	3724.4	1223.1	1244.3	1501.2	1760.3	1783.7	1798.5	1815.5
11326.2	72.5°	9997.0	8196.3	2131.9	989.5	1034.1	1301.6	1535.2	1562.8	1571.3	1603.2
7882.1	75°	6092.0	4820.1	1150.9	779.3	849.4	1112.7	1312.3	1344.1	1359.0	1397.2
3871.0	77.5°	2896.3	2087.3	656.1	607.3	683.7	908.8	1108.4	1144.5	1104.2	1125.4
1068.1	80°	978.9	775.0	414.1	462.9	522.4	709.2	887.6	923.7	838.7	834.5
354.6	82.5°	341.9	314.3	263.3	307.9	337.6	507.5	671.0	717.7	624.3	622.2
159.3	85°	133.8	127.4	146.5	167.7	201.7	312.1	441.7	465.0	384.3	310.0
46.7	87.5°	27.6	29.7	36.1	38.2	61.6	108.3	159.3	195.4	155.0	131.7
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°
4578.1
4750.1
5000.6
5289.4
5618.5
5994.4
6457.3
6960.5
7234.4
7092.2
6710.0
6321.4
5981.6
5656.7
5306.4
4932.7
4601.4
4525.0
4321.1
3964.4
3391.1
2921.8
2762.5
2633.0
2565.1
2416.4
2244.4
2036.3
1824.0
1615.9
1401.4
1108.4
826.0
592.4
305.8
121.0
0.0

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