

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: P850233

Luminaire Tested: **GLAN-SB7C-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850233  
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-SB7C-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 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: 33999 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

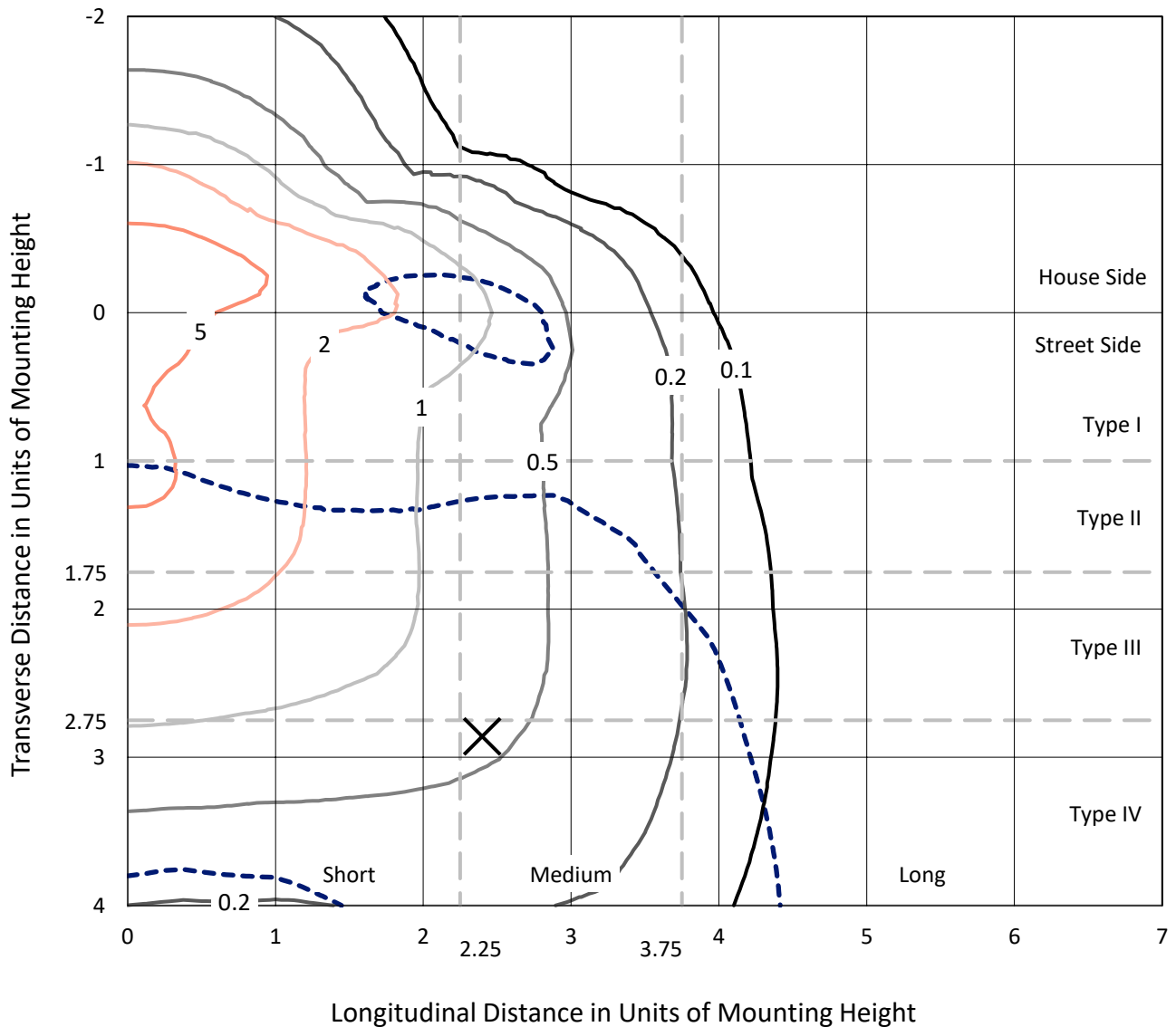
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

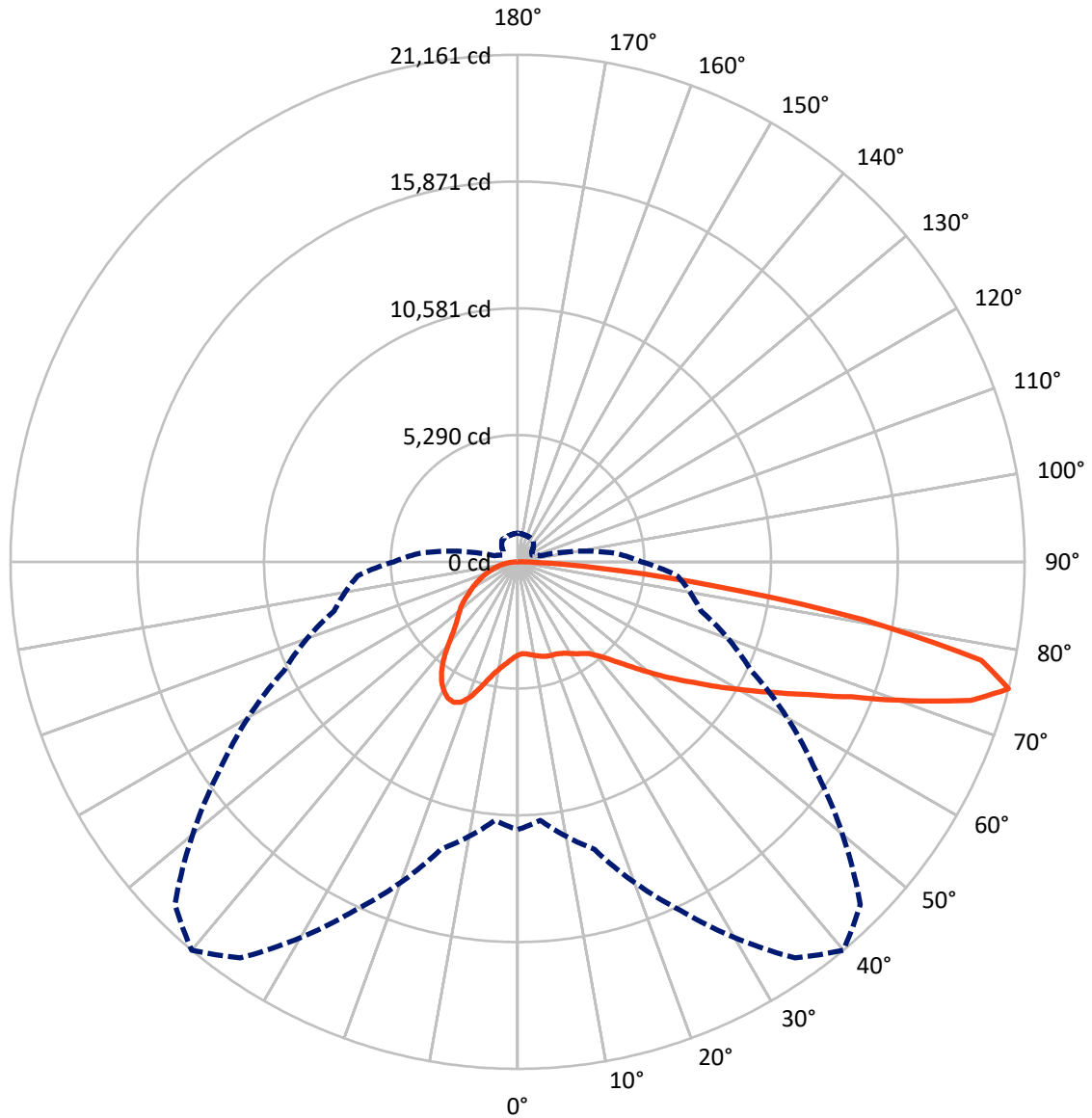
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	10534.0	0.0	10534.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	23465.0	0.0	23465.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	33999.0	0.0	33999.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.1	1.1
10°-20°	1303.0	3.8
20°-30°	2379.1	7.0
30°-40°	3374.2	9.9
40°-50°	4556.2	13.4
50°-60°	6129.3	18.0
60°-70°	7779.5	22.9
70°-80°	7060.4	20.8
80°-90°	1029.2	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°	33999.0	100.0
0°-180°	33999.0	100.0

**Coefficient of Utilization**

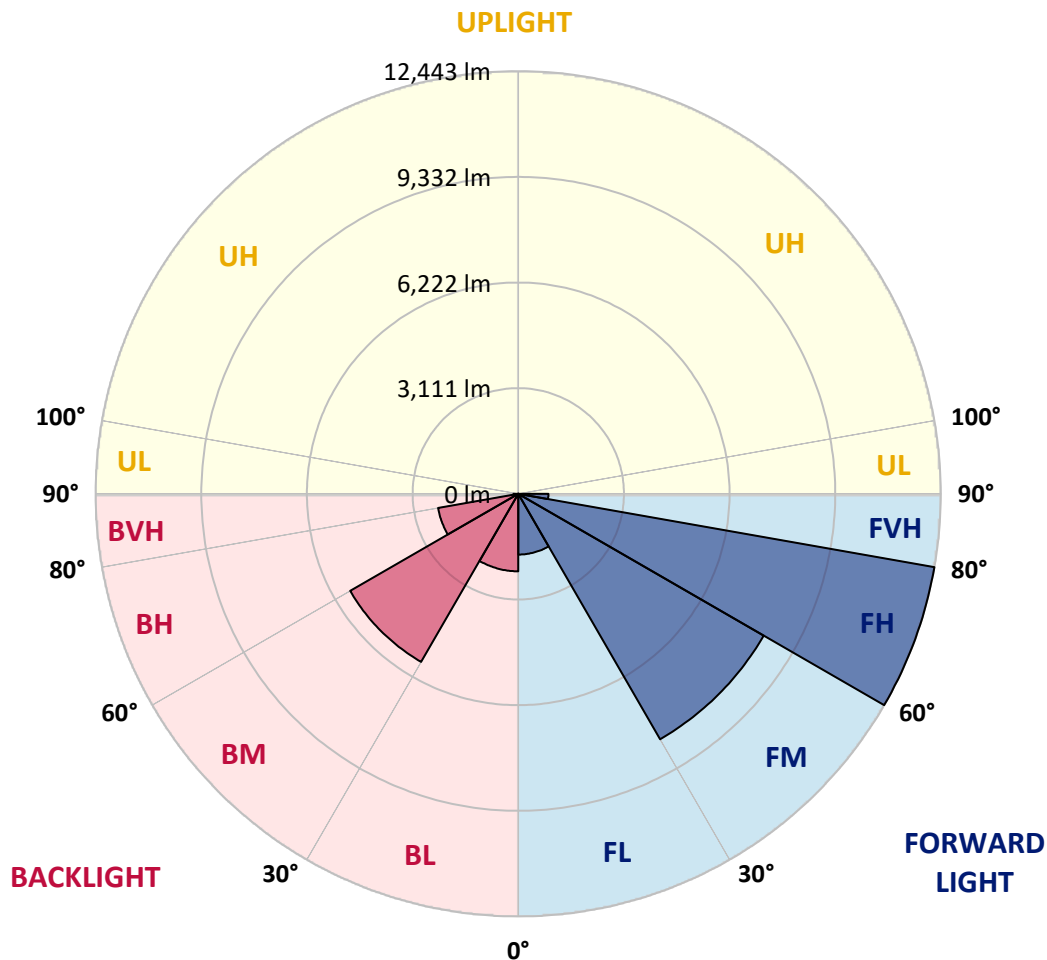


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1788.4	5.3			
FM (30°-60°)	8346.0	24.5			
FH (60°-80°)	12443.1	36.6			G5
FVH (80°-90°)	887.5	2.6			G5
BL (0°-30°)	2281.8	6.7	B3/2500		
BM (30°-60°)	5713.8	16.8	B4/8500		
BH (60°-80°)	2396.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	141.7	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°	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8
2.5°	3828.3	3850.0	3844.6	3837.3	3837.3	3839.1	3837.3	3850.0	3862.6	3875.2
5°	3868.0	3889.6	3878.8	3869.8	3862.6	3860.8	3855.4	3853.6	3860.8	3877.0
7.5°	3945.5	3967.2	3950.9	3934.7	3920.3	3913.1	3905.9	3895.0	3889.6	3898.7
10°	4032.1	4053.7	4033.9	4005.0	3981.6	3972.6	3965.4	3954.6	3947.3	3952.7
12.5°	4118.6	4140.3	4113.2	4073.6	4042.9	4037.5	4028.5	4024.9	4023.1	4021.3
15°	4199.8	4217.8	4183.6	4136.7	4104.2	4095.2	4086.2	4091.6	4100.6	4111.4
17.5°	4262.9	4280.9	4230.5	4169.1	4138.5	4134.9	4129.5	4147.5	4172.7	4199.8
20°	4320.6	4338.6	4273.7	4190.8	4154.7	4154.7	4156.5	4194.4	4230.5	4270.1
22.5°	4401.8	4416.2	4336.8	4223.2	4170.9	4174.5	4189.0	4226.8	4271.9	4326.0
25°	4522.6	4533.4	4436.0	4284.5	4225.0	4235.9	4248.5	4266.5	4309.8	4372.9
27.5°	4717.3	4726.3	4598.3	4392.7	4302.6	4320.6	4338.6	4326.0	4345.9	4400.0
30°	4991.4	4996.8	4834.5	4562.3	4434.2	4443.2	4446.8	4394.5	4356.7	4400.0
32.5°	5316.0	5314.2	5121.3	4767.8	4583.9	4574.9	4544.2	4441.4	4353.1	4390.9
35°	5819.1	5799.3	5550.4	5056.3	4753.4	4697.5	4625.4	4493.7	4371.1	4381.9
37.5°	6652.2	6590.9	6246.5	5528.8	5005.9	4863.4	4757.0	4578.5	4410.8	4378.3
40°	7591.7	7514.2	7135.5	6176.2	5384.5	5155.5	4984.2	4699.3	4475.7	4394.5
42.5°	8706.1	8596.1	8188.6	6938.9	5864.2	5532.4	5274.5	4852.6	4571.3	4446.8
45°	10074.8	9928.8	9351.7	7799.1	6468.3	6026.5	5682.1	5085.2	4717.3	4547.8
47.5°	11457.9	11494.0	10673.5	8783.7	7193.2	6636.0	6192.4	5435.0	4930.1	4710.1
50°	12927.6	12952.8	11988.1	9874.7	8015.5	7324.8	6765.8	5826.3	5225.9	4940.9
52.5°	14074.5	14078.1	13181.8	11016.1	8872.0	8082.2	7384.4	6273.5	5568.5	5247.5
55°	14792.2	14783.1	14018.6	12096.3	9856.6	8877.5	8069.6	6782.1	5986.8	5608.1
57.5°	15313.3	15286.2	14595.6	13025.0	10906.1	9817.0	8845.0	7359.1	6480.9	6037.3
60°	15511.7	15495.4	14986.9	13827.4	12009.7	10855.6	9739.4	8004.7	7041.7	6544.0
62.5°	15587.4	15618.0	15371.0	14604.6	13190.9	12006.1	10722.2	8776.5	7672.9	7117.5
65°	15854.3	15910.2	15859.7	15621.7	14525.3	13353.1	12025.9	9694.3	8361.7	7732.4
67.5°	16382.6	16438.5	16460.2	16838.9	16155.4	15032.0	13652.5	10837.6	9167.8	8370.7
70°	16370.0	16353.8	16736.1	17807.2	18196.7	17356.4	15845.3	12244.1	10128.9	8900.9
72.5°	14900.3	14770.5	15673.9	17796.4	19895.4	19783.6	18523.1	14058.2	10958.4	8965.8
75°	11178.4	10832.2	12428.1	16038.2	20178.5	21161.3	20225.4	15183.5	10761.9	7921.7
77.5°	4780.4	4432.4	6313.2	11872.7	18059.7	19781.8	18663.8	13246.8	8590.7	5238.5
80°	1251.5	1249.7	1907.9	5382.7	12282.0	14608.2	12815.8	8554.7	4908.5	1871.8
82.5°	517.5	504.9	701.5	2093.6	6001.3	8197.6	6690.1	3815.7	1772.6	506.7
85°	192.9	191.1	340.8	723.1	2117.0	3381.1	2447.0	975.6	441.8	247.0
87.5°	54.1	52.3	73.9	250.7	515.7	782.6	418.4	160.5	124.4	97.4
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°
3887.8	0°	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8	3887.8
3895.0	2.5°	3900.5	3909.5	3925.7	3938.3	3954.6	3972.6	3997.8	4014.1	4030.3	4041.1
3904.1	5°	3916.7	3936.5	3978.0	4019.5	4068.2	4113.2	4165.5	4203.4	4234.1	4243.1
3936.5	7.5°	3952.7	3985.2	4055.5	4125.9	4203.4	4277.3	4353.1	4418.0	4470.3	4490.1
3994.2	10°	4015.9	4059.1	4158.3	4257.5	4360.3	4473.9	4571.3	4665.0	4739.0	4769.6
4062.7	12.5°	4095.2	4149.3	4279.1	4416.2	4558.6	4715.5	4841.8	4957.2	5049.1	5090.6
4158.3	15°	4198.0	4268.3	4434.2	4618.2	4827.3	5045.5	5206.0	5334.0	5436.8	5487.3
4257.5	17.5°	4309.8	4403.6	4612.7	4890.4	5189.8	5476.5	5664.0	5757.8	5864.2	5912.9
4349.5	20°	4418.0	4533.4	4832.7	5236.7	5635.2	5939.9	6091.4	6116.7	6123.9	6129.3
4436.0	22.5°	4529.8	4684.9	5108.6	5673.1	6100.4	6311.4	6333.1	6224.9	6073.4	6003.1
4520.8	25°	4652.4	4858.0	5469.3	6154.5	6500.8	6526.0	6360.1	6096.8	5810.1	5678.5
4589.3	27.5°	4771.4	5058.1	5902.1	6614.4	6789.3	6567.5	6210.4	5837.2	5490.9	5352.1
4638.0	30°	4890.4	5287.2	6379.9	7016.5	6920.9	6464.7	5974.2	5557.7	5209.6	5063.6
4681.3	32.5°	5011.3	5554.0	6929.9	7306.8	6897.5	6246.5	5680.3	5243.9	4937.3	4784.1
4719.1	35°	5148.3	5882.2	7451.1	7465.5	6740.6	5925.5	5292.6	4868.8	4601.9	4479.3
4764.2	37.5°	5326.8	6298.8	7910.9	7505.2	6466.5	5454.9	4811.1	4425.2	4205.2	4149.3
4830.9	40°	5548.6	6800.1	8262.5	7442.1	6060.8	4883.2	4284.5	3976.2	3851.8	3864.4
4921.1	42.5°	5837.2	7360.9	8509.6	7279.8	5496.3	4293.6	3822.9	3685.9	3745.4	3795.9
5056.3	45°	6212.2	7943.4	8662.9	7003.9	4858.0	3794.1	3550.6	3583.1	3628.2	3633.6
5274.5	47.5°	6691.9	8533.0	8763.8	6587.3	4207.0	3442.4	3377.5	3384.7	3375.7	3337.8
5600.9	50°	7290.6	9106.5	8854.0	6035.5	3653.4	3222.4	3135.9	3110.6	2986.2	2863.6
6035.5	52.5°	7972.2	9633.0	8891.9	5350.3	3222.4	3038.5	2897.8	2739.2	2506.5	2468.7
6581.9	55°	8729.6	10119.9	8794.5	4508.2	2860.0	2802.3	2589.5	2398.3	2373.1	2340.6
7301.4	57.5°	9634.8	10644.7	8596.1	3568.7	2488.5	2526.4	2319.0	2340.6	2295.6	2245.1
8226.5	60°	10624.8	11187.4	8248.1	2712.1	2104.4	2181.9	2248.7	2246.9	2234.2	2192.8
9202.0	62.5°	11515.6	11544.5	7562.9	2077.4	1767.2	1915.1	2097.2	2095.4	2084.6	2061.1
10220.9	65°	12045.8	11490.4	6419.6	1635.6	1489.5	1695.1	1891.6	1906.0	1907.9	1906.0
10987.3	67.5°	11952.0	10857.4	4850.8	1302.0	1260.5	1471.5	1687.9	1707.7	1722.1	1725.7
11084.6	70°	10891.7	9467.1	3162.9	1038.7	1056.7	1274.9	1494.9	1514.7	1527.4	1541.8
9618.6	72.5°	8489.8	6960.6	1810.5	840.3	878.2	1105.4	1303.8	1327.2	1334.4	1361.5
6693.7	75°	5173.6	4093.4	977.4	661.8	721.3	944.9	1114.4	1141.5	1154.1	1186.5
3287.3	77.5°	2459.6	1772.6	557.2	515.7	580.7	771.8	941.3	972.0	937.7	955.7
907.0	80°	831.3	658.2	351.6	393.1	443.6	602.3	753.8	784.4	712.3	708.7
301.1	82.5°	290.3	266.9	223.6	261.5	286.7	431.0	569.8	609.5	530.2	528.4
135.2	85°	113.6	108.2	124.4	142.5	171.3	265.1	375.1	394.9	326.4	263.3
39.7	87.5°	23.4	25.2	30.7	32.5	52.3	92.0	135.2	165.9	131.6	111.8
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°
3887.8
4033.9
4246.7
4491.9
4771.4
5090.6
5483.7
5911.1
6143.7
6022.9
5698.3
5368.3
5079.8
4803.9
4506.3
4189.0
3907.7
3842.7
3669.6
3366.7
2879.8
2481.3
2346.0
2236.0
2178.3
2052.1
1906.0
1729.3
1549.0
1372.3
1190.2
941.3
701.5
503.1
259.7
102.8
0.0

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