

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: P851438

Luminaire Tested: **GLAN-SB9B-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34626 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

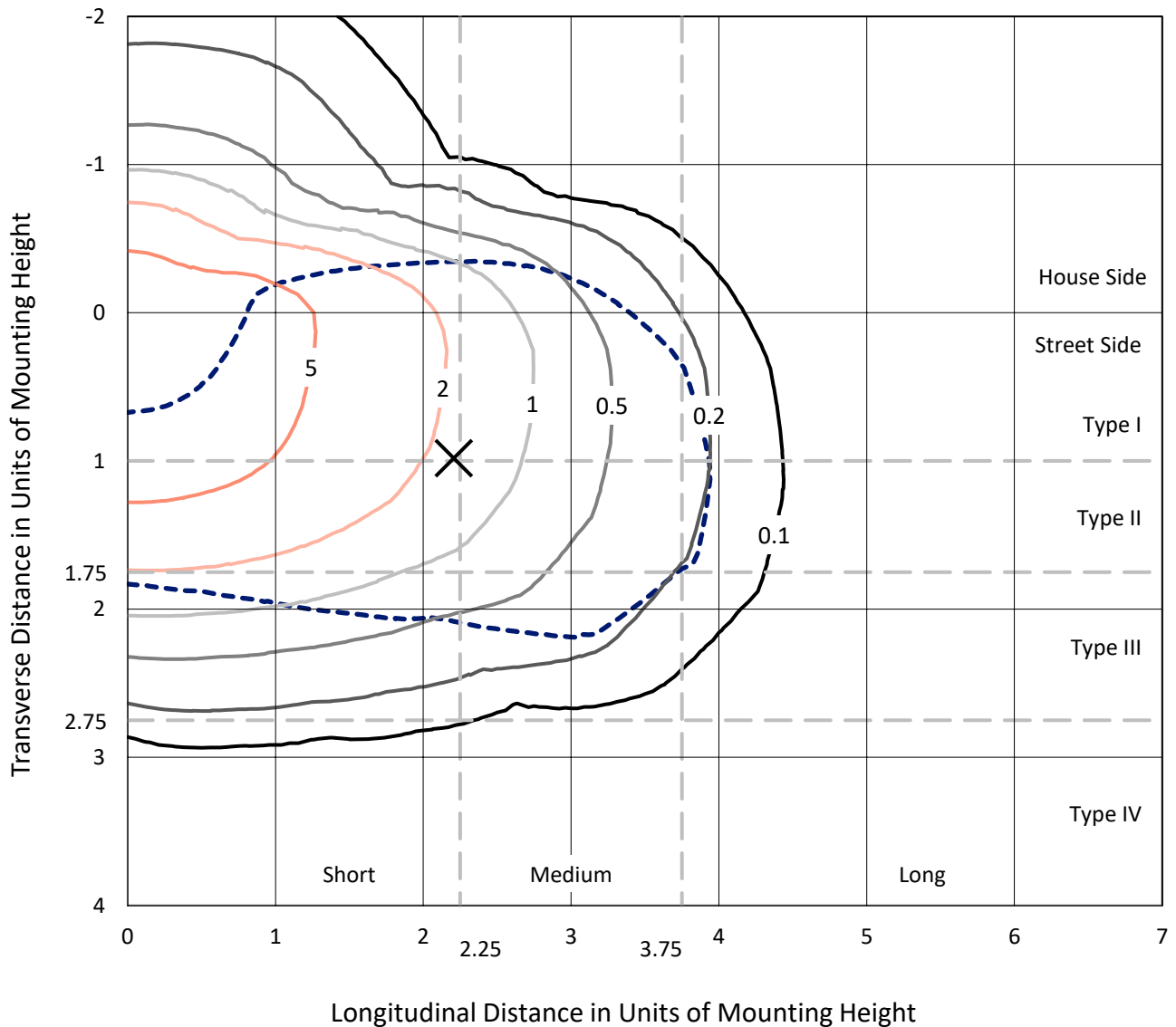
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

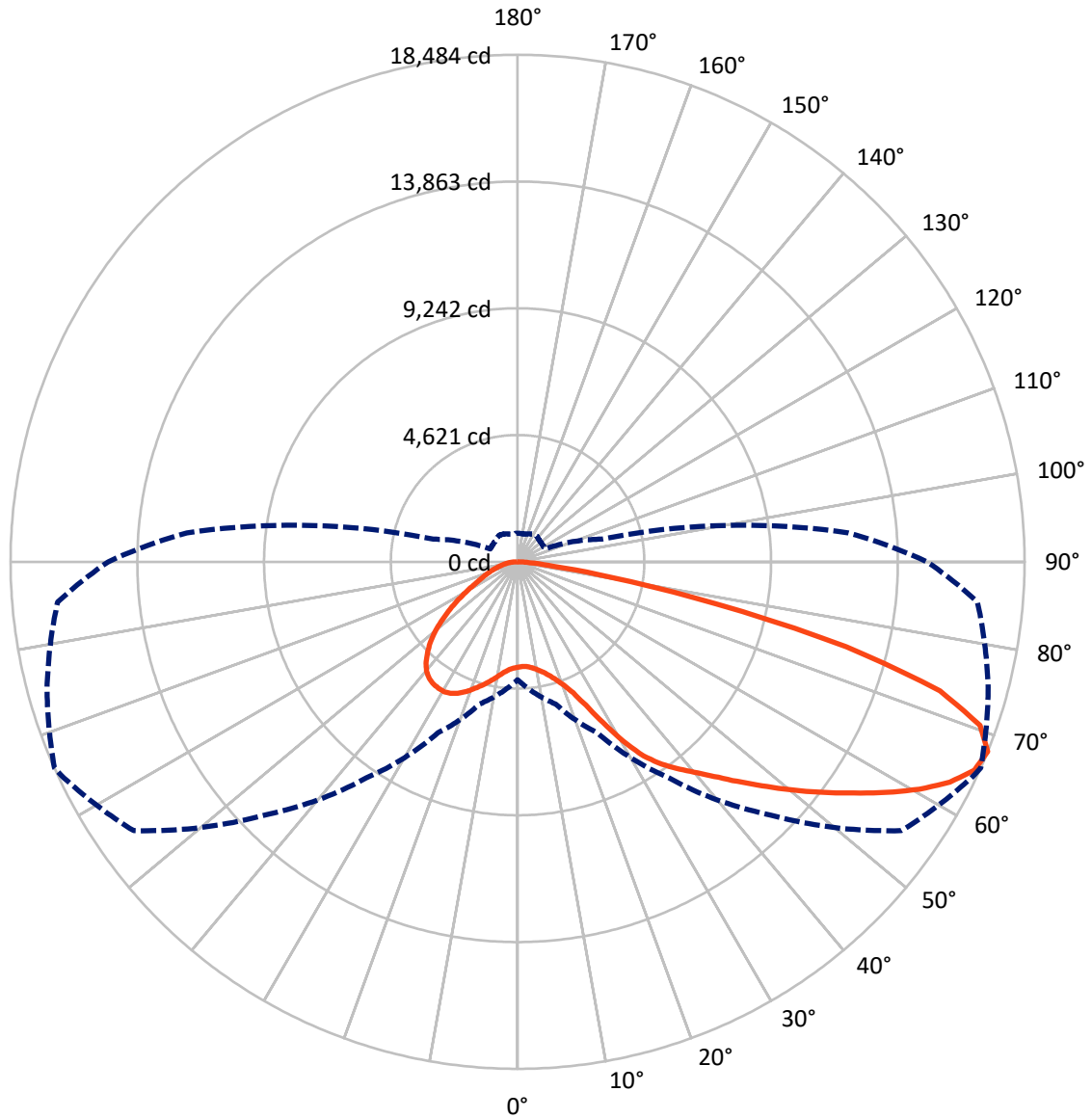
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8609.6	0.0	8609.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	26016.3	0.0	26016.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	34626.0	0.0	34626.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	380.8	1.1
10°-20°	1258.0	3.6
20°-30°	2424.7	7.0
30°-40°	4251.5	12.3
40°-50°	6320.5	18.3
50°-60°	8011.9	23.1
60°-70°	7839.4	22.6
70°-80°	3739.5	10.8
80°-90°	399.6	1.2
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°	34626.0	100.0
0°-180°	34626.0	100.0

**Coefficient of Utilization**

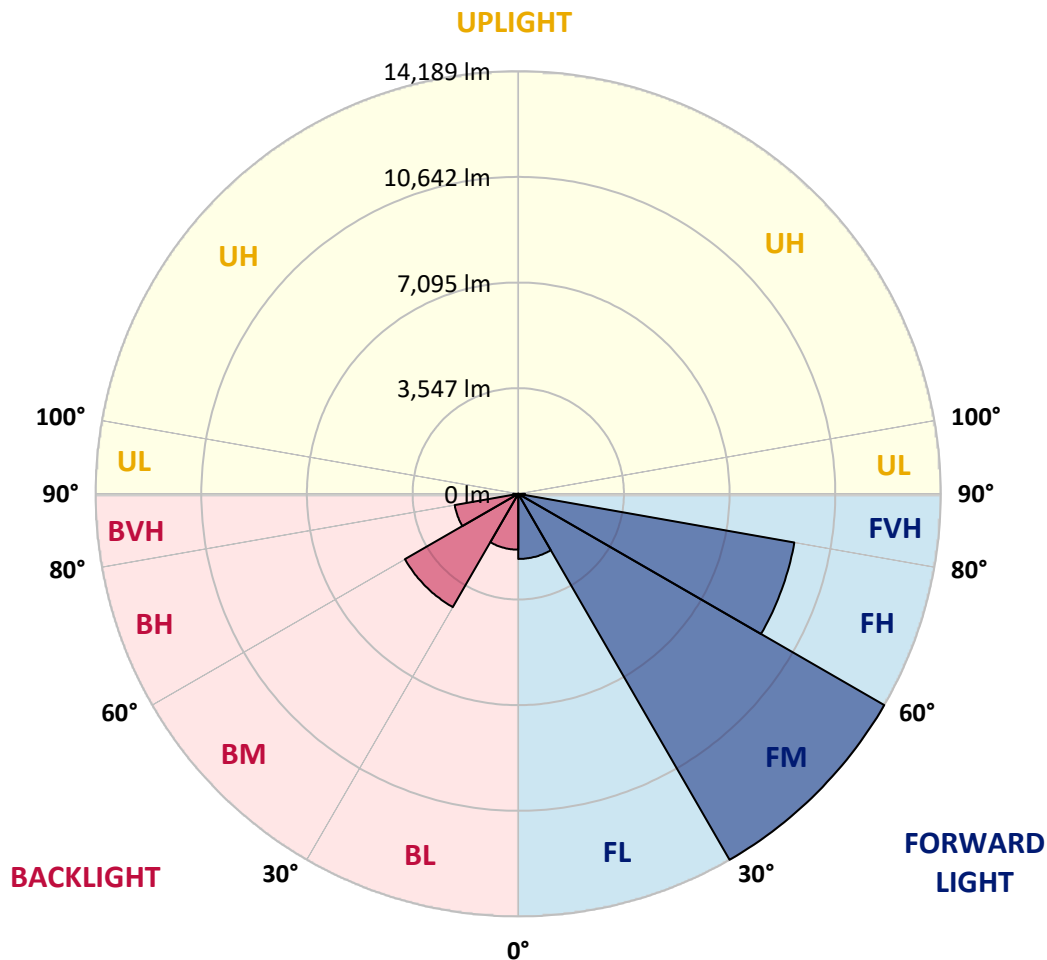


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2188.0	6.3			
FM (30°-60°)	14189.4	41.0			
FH (60°-80°)	9412.3	27.2			G4/12000
FVH (80°-90°)	226.6	0.7			G3/500
BL (0°-30°)	1875.5	5.4	B3/2500		
BM (30°-60°)	4394.5	12.7	B3/5000		
BH (60°-80°)	2166.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	173.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5
2.5°	3800.5	3822.3	3816.8	3807.7	3805.9	3809.6	3815.0	3820.5	3818.6	3827.7
5°	3789.5	3811.4	3809.6	3809.6	3816.8	3831.4	3840.5	3849.6	3840.5	3851.4
7.5°	3796.8	3813.2	3820.5	3827.7	3845.9	3873.2	3895.1	3915.1	3904.2	3916.9
10°	3889.6	3902.3	3909.6	3909.6	3922.3	3953.3	3975.1	4011.5	4002.4	4022.4
12.5°	4058.8	4071.5	4071.5	4064.3	4073.3	4093.4	4100.6	4140.7	4124.3	4157.0
15°	4266.2	4291.7	4271.6	4258.9	4262.6	4282.6	4280.7	4311.7	4295.3	4322.6
17.5°	4495.4	4528.2	4495.4	4493.6	4486.3	4508.2	4510.0	4537.3	4508.2	4528.2
20°	4766.5	4812.0	4784.7	4793.8	4777.4	4786.5	4795.6	4835.6	4790.1	4804.7
22.5°	5148.5	5203.1	5174.0	5208.6	5197.7	5190.4	5188.6	5259.5	5188.6	5194.0
25°	5705.2	5770.7	5719.8	5767.1	5767.1	5790.7	5818.0	5909.0	5790.7	5756.2
27.5°	6527.5	6593.0	6493.0	6522.1	6513.0	6571.2	6542.1	6767.7	6640.3	6583.9
30°	7517.2	7633.7	7444.5	7437.2	7428.1	7520.9	7562.7	7711.9	7582.7	7526.3
32.5°	8587.0	8708.9	8483.3	8417.8	8383.2	8439.6	8405.0	8525.1	8436.0	8348.6
35°	9718.5	9838.6	9623.9	9496.6	9358.3	9240.1	9116.4	9147.3	9063.6	8930.8
37.5°	10788.3	11008.4	10781.0	10644.6	10389.9	10158.8	9813.1	9669.4	9591.2	9469.3
40°	11878.0	12003.5	11830.7	11714.3	11437.8	11075.7	10522.7	10218.8	10113.3	9995.1
42.5°	12680.3	12800.4	12707.6	12627.6	12411.1	11990.8	11275.8	10895.6	10742.8	10610.0
45°	13317.1	13406.2	13348.0	13377.1	13284.3	12876.8	12056.3	11621.5	11463.2	11301.3
47.5°	13573.6	13668.2	13761.0	13933.8	14092.1	13791.9	12895.0	12407.4	12240.1	12074.5
50°	13544.5	13640.9	13910.1	14277.6	14768.8	14668.8	13779.2	13244.3	13089.7	12900.5
52.5°	13311.6	13420.8	13766.4	14377.7	15160.0	15325.5	14679.7	14108.4	13962.9	13737.3
55°	12700.3	12765.8	13284.3	14150.3	15252.8	15784.0	15562.0	15029.0	14883.5	14568.7
57.5°	11566.9	11661.5	12416.5	13537.2	15019.9	16095.1	16337.1	15996.8	15856.8	15403.8
60°	10087.9	10238.9	11103.0	12507.5	14426.8	16093.3	17041.1	16948.3	16831.9	16226.1
62.5°	8414.1	8588.8	9420.2	11052.1	13389.8	15636.6	17481.4	17745.2	17685.1	16984.7
65°	6462.1	6582.1	7409.9	9169.1	11776.1	14656.0	17532.3	18289.1	18300.0	17561.4
67.5°	4302.6	4648.2	5366.8	6880.5	9614.8	13053.3	17084.8	18378.3	18483.8	17759.7
70°	2099.4	2554.3	3258.3	4471.8	6880.5	10595.4	15915.0	17646.9	17881.6	17181.2
72.5°	871.4	1018.8	1402.7	2206.8	3949.6	7149.7	13564.5	15663.9	16098.7	15223.7
75°	587.6	636.7	802.3	1131.6	1799.3	3525.7	9782.2	11679.7	12380.1	11497.8
77.5°	453.0	483.9	584.0	791.4	1069.7	1333.5	5235.9	7038.8	7400.8	6851.4
80°	356.6	380.2	436.6	576.7	758.6	713.2	1784.7	3189.2	3398.4	2850.8
82.5°	309.3	318.4	312.9	391.1	503.9	416.6	585.8	1177.1	1299.0	942.4
85°	223.8	249.2	260.2	242.0	267.4	211.0	240.1	416.6	458.5	409.3
87.5°	91.0	134.6	165.6	156.5	98.2	60.0	74.6	121.9	140.1	152.8
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°
3840.5	0°	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5	3840.5
3842.3	2.5°	3844.1	3856.9	3866.0	3876.9	3884.1	3895.1	3916.9	3929.6	3931.4	3940.5
3871.4	5°	3878.7	3896.9	3916.9	3946.0	3978.7	4006.0	4047.9	4077.0	4087.9	4097.0
3942.4	7.5°	3953.3	3978.7	4015.1	4066.1	4113.4	4149.8	4200.7	4235.3	4269.8	4282.6
4055.2	10°	4064.3	4100.6	4153.4	4222.5	4273.5	4320.8	4373.5	4402.6	4437.2	4451.8
4189.8	12.5°	4202.5	4240.7	4309.9	4406.3	4453.6	4486.3	4504.5	4497.2	4504.5	4517.2
4351.7	15°	4360.8	4402.6	4480.9	4584.6	4617.3	4588.2	4548.2	4511.8	4506.3	4510.0
4548.2	17.5°	4548.2	4579.1	4670.1	4757.4	4733.7	4613.7	4526.3	4468.1	4439.0	4429.9
4799.2	20°	4810.2	4810.2	4884.7	4939.3	4781.0	4577.3	4440.8	4346.2	4286.2	4260.7
5141.3	22.5°	5128.5	5099.4	5146.7	5108.5	4771.9	4475.4	4286.2	4122.5	4031.5	3995.1
5619.7	25°	5532.4	5497.8	5485.1	5248.6	4706.5	4313.5	4006.0	3807.7	3727.7	3707.7
6309.2	27.5°	6141.9	6054.5	5889.0	5325.0	4586.4	4058.8	3678.6	3494.8	3449.3	3451.2
7195.2	30°	6953.3	6778.6	6372.9	5337.7	4389.9	3698.6	3343.8	3212.8	3191.0	3200.1
7939.3	32.5°	7704.6	7539.1	6867.7	5279.5	4087.9	3345.6	3043.6	2956.3	2923.6	2934.5
8506.9	35°	8294.1	8248.6	7326.2	5197.7	3716.8	3014.5	2774.4	2699.8	2636.1	2621.6
9041.8	37.5°	8850.8	8832.6	7670.0	5083.0	3349.3	2779.8	2557.9	2459.7	2366.9	2315.9
9633.0	40°	9462.0	9443.8	7895.6	4906.6	3023.6	2576.1	2363.2	2234.1	2119.5	2026.7
10302.5	42.5°	10149.7	10042.4	8003.0	4653.7	2747.1	2403.3	2205.0	2030.3	1879.3	1793.8
11059.3	45°	10901.1	10659.1	8001.2	4331.7	2514.2	2245.0	2035.8	1788.3	1648.3	1568.2
11836.2	47.5°	11697.9	11248.6	7902.9	3975.1	2288.6	2070.3	1773.8	1584.6	1491.8	1442.7
12680.3	50°	12520.2	11799.8	7735.5	3565.8	2057.6	1872.0	1610.1	1480.9	1409.9	1364.5
13517.2	52.5°	13293.4	12300.1	7533.6	3101.9	1822.9	1679.2	1537.3	1437.2	1362.6	1311.7
14328.6	55°	14012.0	12731.3	7248.0	2627.0	1631.9	1550.0	1502.7	1419.0	1333.5	1273.5
15152.7	57.5°	14650.6	13011.4	6755.0	2181.3	1495.4	1460.9	1466.3	1388.1	1289.9	1238.9
15964.1	60°	15181.8	13217.0	6025.4	1768.3	1384.5	1373.5	1409.9	1329.9	1215.3	1157.1
16650.0	62.5°	15500.2	13213.4	5130.3	1448.1	1289.9	1293.5	1335.3	1257.1	1140.7	1086.1
17008.4	65°	15472.9	12889.5	4147.9	1238.9	1198.9	1202.5	1257.1	1177.1	1078.8	1046.1
16828.3	67.5°	14925.3	12100.0	3181.9	1102.5	1098.8	1115.2	1178.9	1122.5	1040.6	1037.0
15754.9	70°	13442.6	10460.8	2292.3	993.3	995.1	1018.8	1102.5	1087.9	1020.6	1027.9
13246.1	72.5°	10779.2	7975.7	1539.1	878.7	880.5	918.7	1029.7	1060.6	1000.6	1097.0
9398.4	75°	7178.8	4973.9	989.7	756.8	758.6	807.8	966.0	1007.9	946.0	1093.4
4890.2	77.5°	3449.3	2235.9	716.8	636.7	636.7	682.2	835.0	902.4	805.9	849.6
1571.9	80°	1191.6	840.5	564.0	513.0	502.1	533.0	704.1	782.3	695.0	640.4
513.0	82.5°	469.4	436.6	453.0	398.4	362.0	382.0	547.6	645.8	511.2	462.1
289.3	85°	269.3	283.8	320.2	263.8	209.2	234.7	402.1	463.9	385.7	340.2
94.6	87.5°	72.8	100.1	147.4	136.4	94.6	100.1	191.0	256.5	222.0	171.0
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



<u>180°</u>
3840.5
3938.7
4095.2
4284.4
4459.0
4520.9
4522.7
4442.7
4255.3
3989.7
3711.3
3456.6
3231.0
2949.0
2632.5
2317.8
2035.8
1799.3
1564.6
1431.8
1348.1
1289.9
1249.8
1206.2
1131.6
1069.7
1044.3
1042.4
1026.1
1111.6
1102.5
778.6
600.4
460.3
347.5
176.5
0.0

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