

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: P853230

Luminaire Tested: **GLAN-SB9C-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

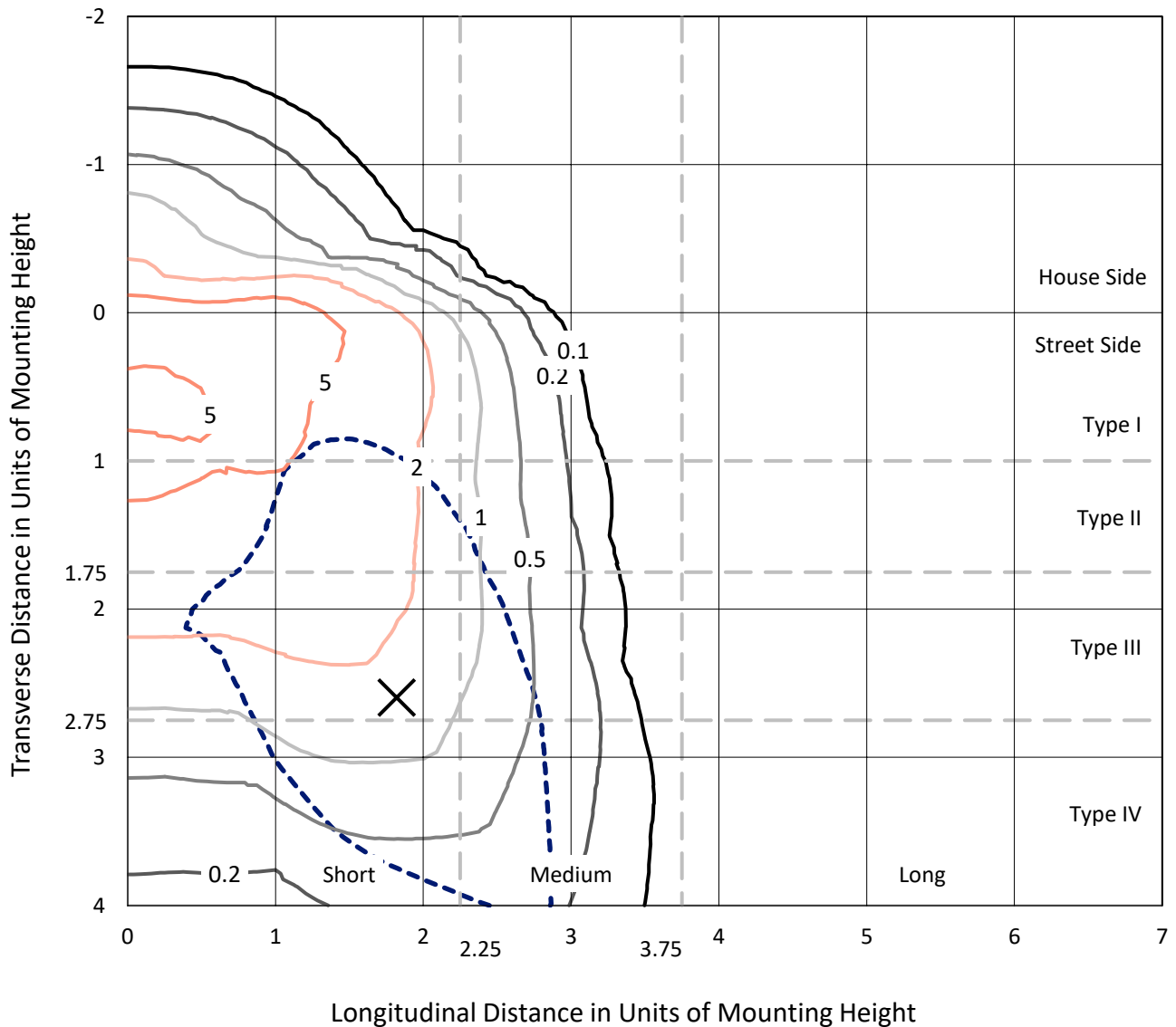
Lumens per Lamp: N/A  
Luminaire Lumens: 34844 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

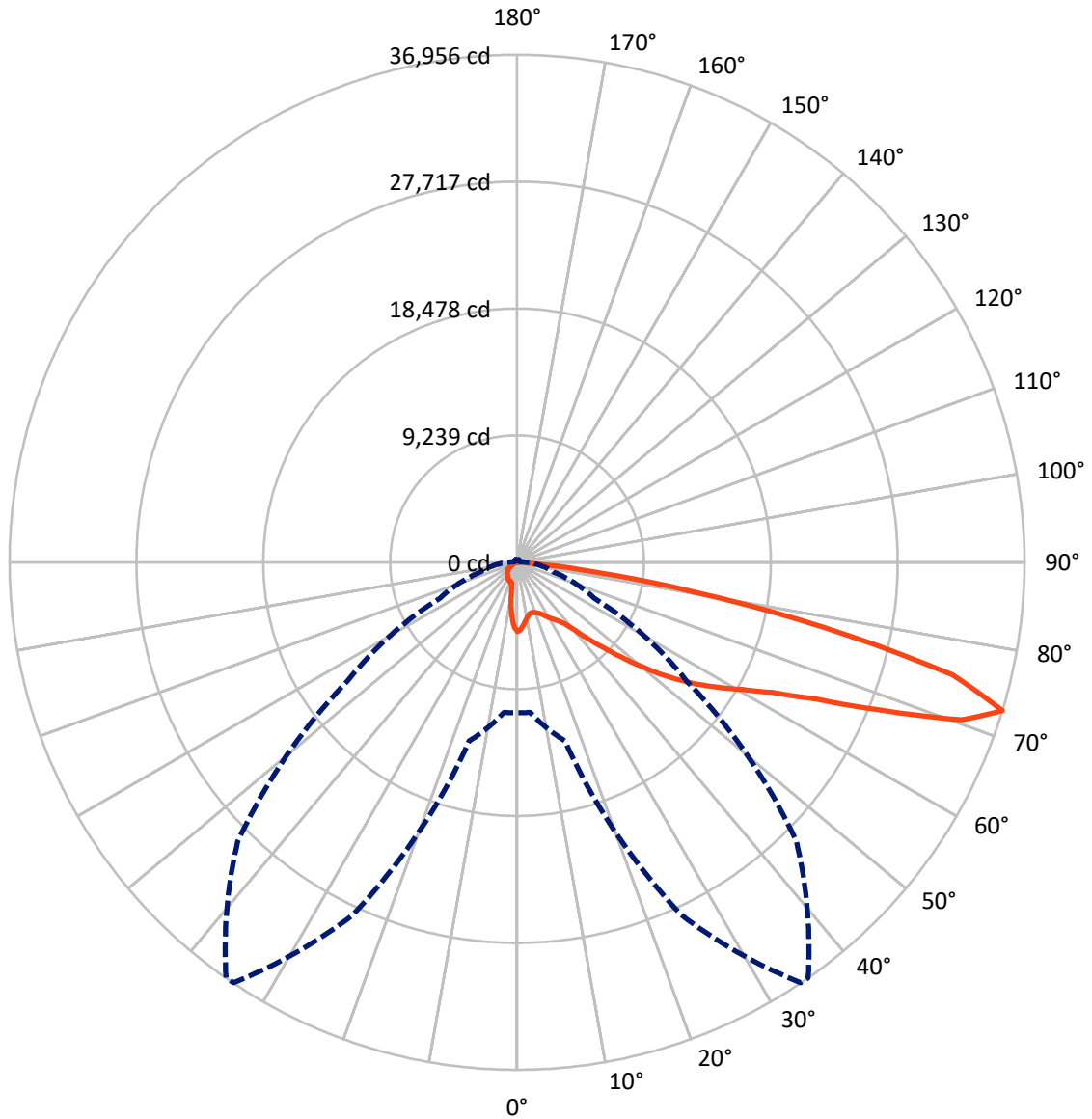
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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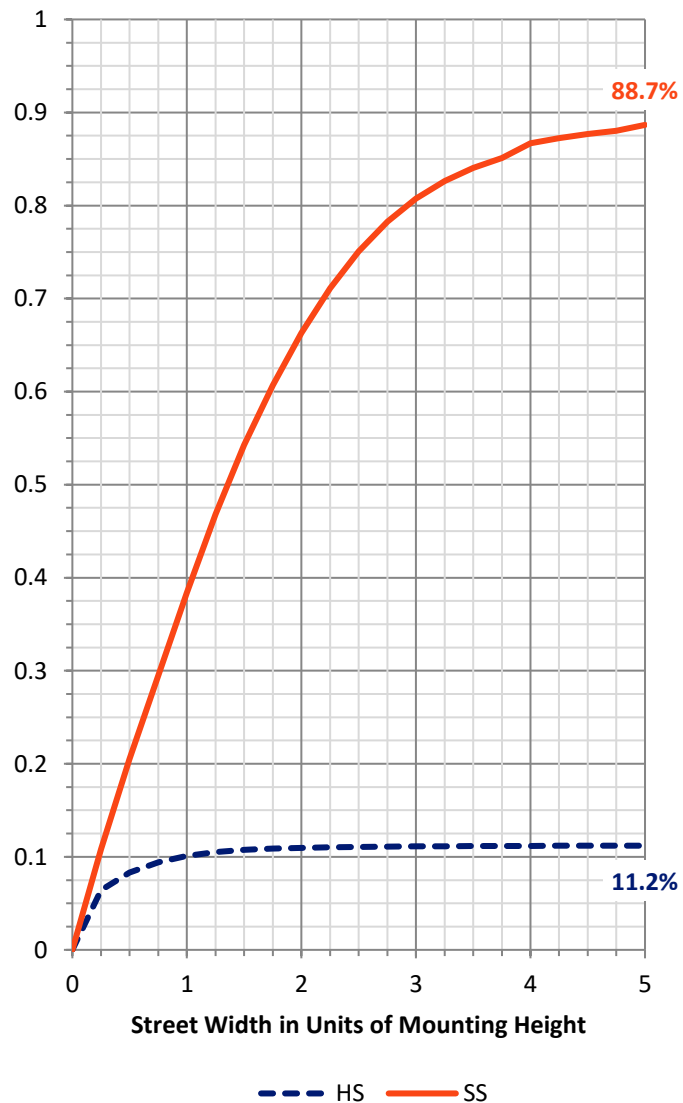
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3921.5	0.0	3921.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	30922.5	0.0	30922.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	34844.0	0.0	34844.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	415.0	1.2
10°-20°	970.8	2.8
20°-30°	1577.0	4.5
30°-40°	2631.3	7.6
40°-50°	4978.4	14.3
50°-60°	7910.7	22.7
60°-70°	9786.1	28.1
70°-80°	6083.1	17.5
80°-90°	491.6	1.4
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°	34844.0	100.0
0°-180°	34844.0	100.0

**Coefficient of Utilization**



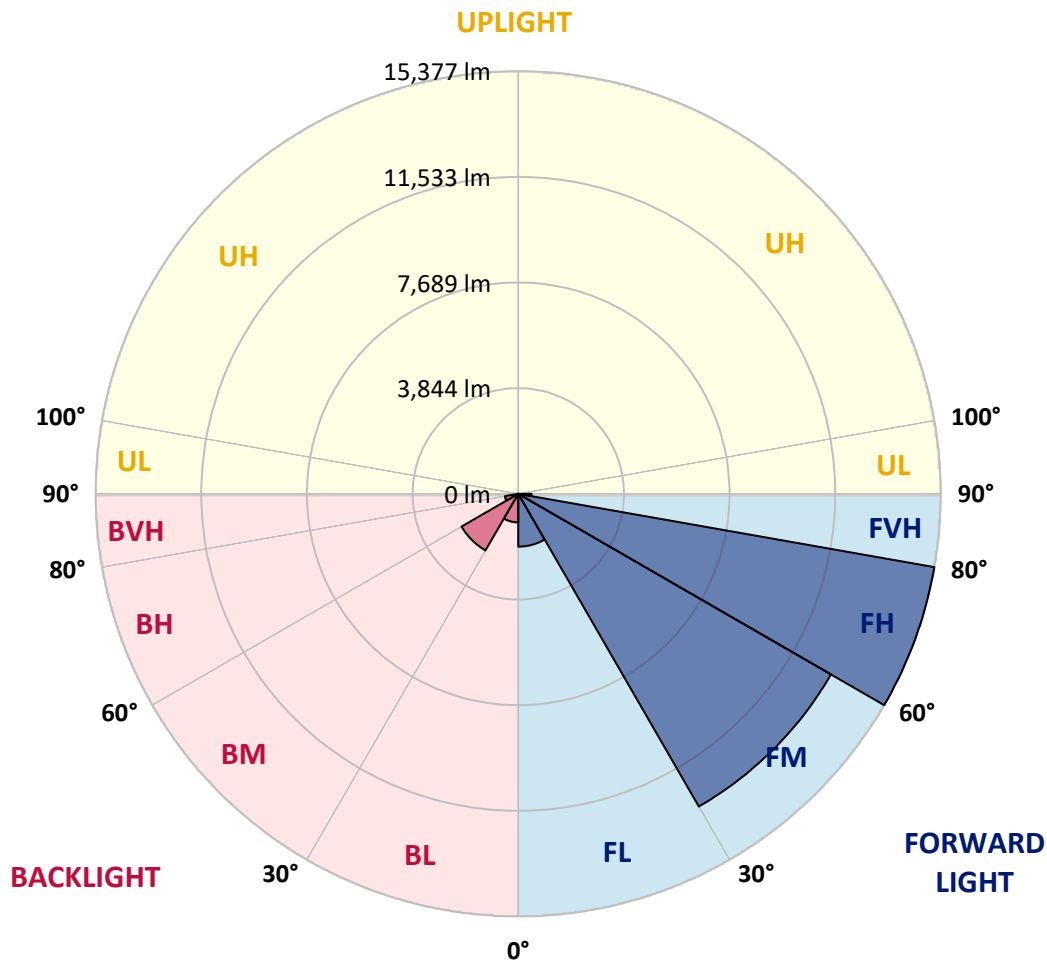
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1920.8	5.5			
FM (30°-60°)	13139.7	37.7			
FH (60°-80°)	15377.1	44.1			G5
FVH (80°-90°)	484.9	1.4			G3/500
BL (0°-30°)	1042.0	3.0	B3/2500		
BM (30°-60°)	2380.7	6.8	B2/2500		
BH (60°-80°)	492.1	1.4	B1/500		G1/500
BVH (80°-90°)	6.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1
2.5°	4825.4	4866.2	4873.9	4886.7	4886.7	4902.0	4927.5	4963.3	5022.0	5052.6
5°	4447.5	4478.2	4516.5	4547.1	4605.8	4613.5	4713.1	4810.1	4945.4	5047.5
7.5°	4067.1	4102.9	4153.9	4228.0	4304.6	4327.5	4478.2	4641.6	4856.0	5047.5
10°	3799.0	3801.6	3847.5	3921.6	4044.1	4072.2	4256.0	4488.4	4756.5	5016.9
12.5°	3648.4	3666.3	3686.7	3742.9	3860.3	3878.2	4074.8	4348.0	4656.9	4999.0
15°	3648.4	3661.2	3673.9	3702.0	3796.5	3811.8	3985.4	4258.6	4605.8	5006.7
17.5°	3686.7	3707.1	3696.9	3730.1	3829.7	3839.9	3993.1	4233.1	4603.3	5055.2
20°	3778.6	3793.9	3773.5	3793.9	3893.5	3913.9	4072.2	4281.6	4646.7	5139.4
22.5°	3924.1	3931.8	3883.3	3898.6	4000.7	4026.3	4210.1	4419.4	4751.3	5274.7
25°	4108.0	4123.3	4049.2	4067.1	4164.1	4194.8	4406.7	4626.2	4917.3	5461.1
27.5°	4319.9	4327.5	4263.7	4261.2	4386.3	4429.7	4644.1	4881.6	5139.4	5696.0
30°	4562.4	4585.4	4524.1	4513.9	4672.2	4707.9	4919.9	5195.6	5466.2	6048.3
32.5°	4753.9	4771.8	4736.0	4761.6	4922.4	4950.5	5254.3	5639.8	5979.4	6548.7
35°	5029.6	5039.9	4958.2	5004.1	5187.9	5259.4	5711.3	6262.8	6625.3	7176.8
37.5°	6027.9	6027.9	5680.7	5453.5	5629.6	5693.4	6336.8	7046.6	7421.9	8019.3
40°	7409.1	7386.2	6878.1	6413.4	6390.4	6515.6	7227.9	8034.7	8450.8	9030.4
42.5°	8882.3	8846.5	8154.7	7695.1	7618.5	7661.9	8256.8	9252.5	9676.3	10263.5
45°	10189.5	10179.3	9546.1	8928.2	8790.4	8928.2	9541.0	10677.1	10981.0	11598.8
47.5°	11284.8	11284.8	10822.7	10419.3	10347.8	10429.5	11279.7	12257.5	12229.4	13020.9
50°	12546.0	12535.8	12096.7	11923.1	11997.1	12112.0	13281.3	13922.1	13521.3	14417.4
52.5°	13429.4	13490.7	13340.0	13311.9	13689.8	13889.0	15313.6	15551.0	14677.9	15742.5
55°	14128.9	14200.4	14374.0	14570.6	15298.3	15558.7	17282.0	17095.7	15645.5	16891.4
57.5°	15119.6	15017.4	15285.5	15673.6	16850.6	17164.6	19189.2	18553.5	16424.2	17823.3
60°	16322.1	16337.4	16383.3	16873.5	18400.3	18803.7	21068.3	19932.2	16924.6	18395.2
62.5°	17767.1	17790.1	17884.6	18637.7	20481.1	20861.5	23070.0	21060.7	17154.4	18234.4
65°	17667.6	17764.6	18819.0	21395.1	23644.4	24019.7	25406.1	21852.1	16807.2	16763.8
67.5°	16094.8	16253.1	18017.3	24688.6	28413.6	28832.3	28229.8	22007.9	15308.5	13036.2
70°	14031.9	14088.1	16209.7	27650.2	33936.0	34359.8	30757.4	20294.7	11616.7	7271.3
72.5°	10958.0	10970.7	13460.0	28337.0	36933.4	36956.4	28773.6	15065.9	6247.5	2793.1
75°	7827.9	7751.3	9015.1	22980.6	32493.5	32753.9	21571.3	7067.0	2387.2	1320.0
77.5°	4197.3	4281.6	5101.1	13628.5	22447.0	22891.2	11769.9	2037.4	1215.3	898.7
80°	1297.0	1368.5	2091.0	6239.8	12714.5	12982.6	4363.3	906.4	847.6	640.8
82.5°	408.5	423.8	975.3	2622.1	5277.3	5399.8	1263.8	513.2	579.6	423.8
85°	117.4	120.0	434.0	977.8	1304.6	1330.2	354.9	199.1	331.9	263.0
87.5°	12.8	40.8	163.4	163.4	114.9	112.3	38.3	43.4	94.5	33.2
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°
5050.1	0°	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1	5050.1
5073.0	2.5°	5060.3	5062.8	5029.6	4973.5	4912.2	4861.1	4797.3	4746.2	4710.5	4700.3
5119.0	5°	5096.0	5078.1	4983.7	4812.6	4608.4	4432.2	4235.6	4079.9	3977.8	3934.4
5167.5	7.5°	5149.6	5098.6	4891.8	4554.8	4164.1	3816.9	3464.6	3191.4	3017.8	2931.0
5213.5	10°	5195.6	5093.5	4738.6	4182.0	3584.6	3058.6	2583.8	2254.4	2070.6	1983.8
5267.1	12.5°	5239.0	5090.9	4539.4	3740.3	2931.0	2287.6	1845.9	1682.5	1631.4	1613.6
5353.9	15°	5320.7	5098.6	4289.2	3234.8	2279.9	1728.5	1567.6	1565.1	1575.3	1570.2
5486.6	17.5°	5433.0	5106.2	4005.8	2698.6	1759.1	1524.2	1516.6	1539.5	1554.8	1547.2
5652.6	20°	5578.6	5136.9	3704.6	2167.6	1511.4	1473.1	1491.0	1511.4	1524.2	1511.4
5874.7	22.5°	5782.8	5190.5	3375.2	1741.2	1432.3	1442.5	1457.8	1480.8	1493.6	1475.7
6158.1	25°	6033.0	5274.7	3051.0	1514.0	1394.0	1406.8	1429.7	1455.3	1470.6	1452.7
6515.6	27.5°	6357.3	5410.1	2752.3	1462.9	1355.7	1363.4	1396.6	1434.9	1455.3	1432.3
7023.6	30°	6827.0	5632.2	2494.4	1485.9	1332.7	1314.9	1360.8	1414.4	1437.4	1417.0
7715.5	32.5°	7450.0	5946.2	2336.1	1521.7	1322.5	1258.7	1302.1	1371.0	1409.3	1396.6
8619.3	35°	8267.0	6423.6	2274.8	1562.5	1314.9	1200.0	1230.6	1304.6	1371.0	1383.8
9758.0	37.5°	9257.6	7087.5	2292.7	1580.4	1291.9	1151.5	1166.8	1230.6	1317.4	1358.3
11039.7	40°	10383.5	7861.0	2394.8	1562.5	1266.3	1110.6	1113.2	1161.7	1238.3	1299.5
12418.4	42.5°	11545.2	8764.8	2583.8	1496.1	1243.4	1074.9	1067.2	1100.4	1151.5	1194.9
13794.5	45°	12650.7	9694.2	2770.1	1404.2	1215.3	1039.1	1021.2	1034.0	1044.2	1062.1
15134.9	47.5°	13615.8	10347.8	2716.5	1320.0	1177.0	998.3	967.6	962.5	931.9	929.3
16332.3	50°	14282.1	10490.8	2412.7	1235.7	1120.8	952.3	903.8	873.2	819.6	794.0
17228.4	52.5°	14494.0	9926.5	1971.0	1151.5	1028.9	891.0	822.1	773.6	707.2	684.2
17744.2	55°	14213.2	8821.0	1575.3	1049.3	901.3	809.3	732.7	668.9	615.3	587.2
17800.3	57.5°	13526.4	7414.2	1245.9	929.3	765.9	717.4	640.8	577.0	531.0	503.0
17177.4	60°	12387.7	5887.5	985.5	786.4	653.6	617.9	538.7	497.9	457.0	423.8
15568.9	62.5°	10659.3	4202.4	773.6	623.0	546.4	505.5	459.6	428.9	380.4	334.5
12676.2	65°	8318.1	2571.0	597.4	457.0	439.1	418.7	390.6	362.5	303.8	257.9
8269.5	67.5°	5246.7	1217.8	426.4	344.7	347.2	337.0	324.2	301.3	257.9	217.0
3704.6	70°	2310.6	589.8	280.8	263.0	257.9	257.9	268.1	260.4	219.6	181.3
1286.8	72.5°	786.4	316.6	209.4	199.1	186.4	183.8	224.7	217.0	176.2	140.4
640.8	75°	411.1	211.9	153.2	143.0	112.3	135.3	178.7	168.5	125.1	91.9
423.8	77.5°	268.1	150.6	104.7	91.9	63.8	89.4	132.8	117.4	74.0	46.0
278.3	80°	168.5	99.6	61.3	43.4	30.6	48.5	71.5	51.1	28.1	10.2
163.4	82.5°	89.4	51.1	23.0	15.3	12.8	15.3	17.9	12.8	5.1	0.0
84.3	85°	35.7	17.9	7.7	5.1	2.6	0.0	5.1	2.6	0.0	0.0
15.3	87.5°	12.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
5050.1
4718.2
3949.7
2943.7
1986.3
1608.5
1567.6
1544.6
1508.9
1473.1
1450.2
1432.3
1414.4
1396.6
1383.8
1368.5
1320.0
1212.7
1072.3
926.8
796.6
681.7
587.2
497.9
416.2
326.8
250.2
211.9
173.6
132.8
84.3
40.8
7.7
0.0
0.0
0.0
0.0

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