

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: P851557

Luminaire Tested: **GLAN-SB9C-830-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851557  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-830-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

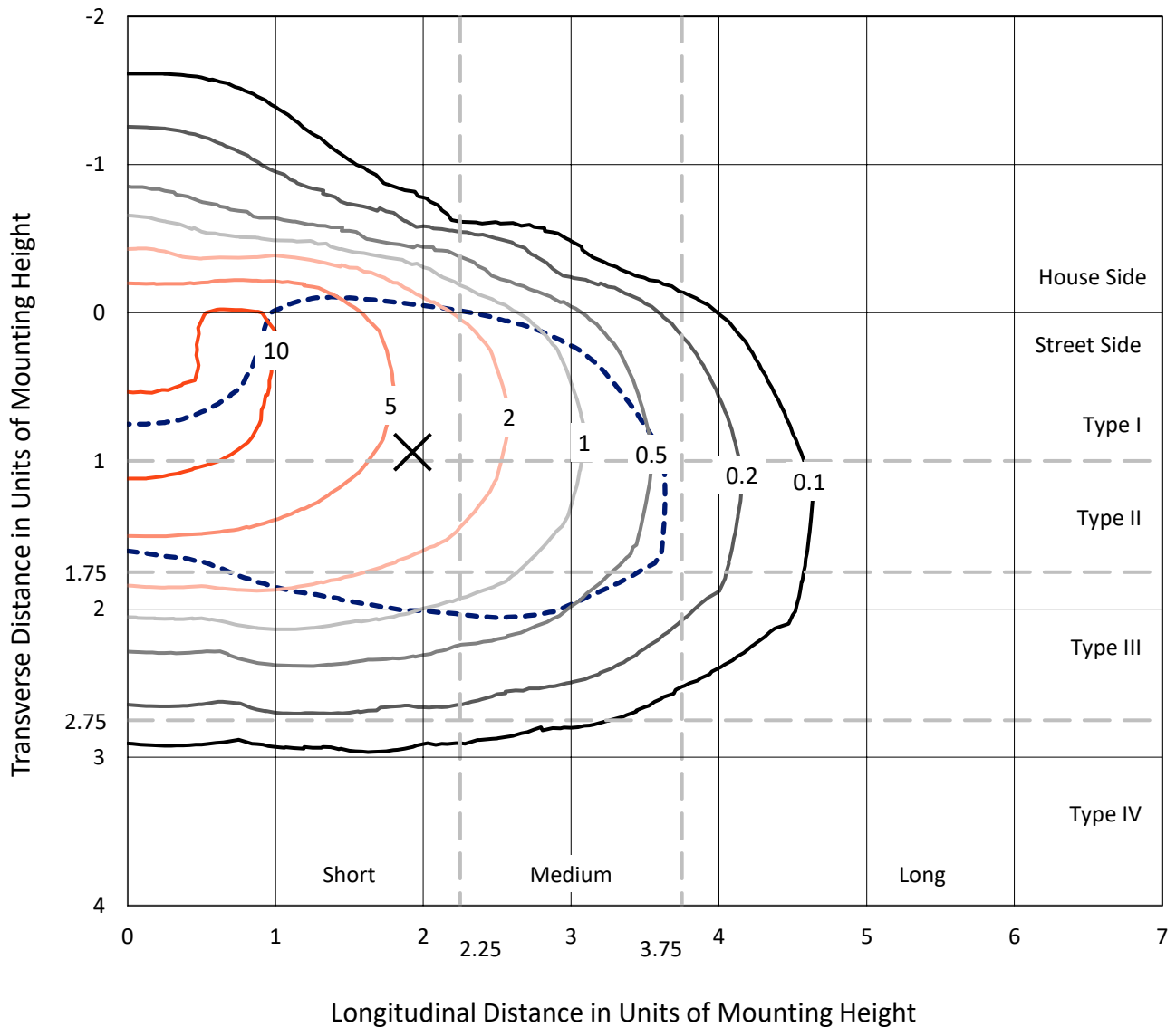
Lumens per Lamp: N/A  
Luminaire Lumens: 45936 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): 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

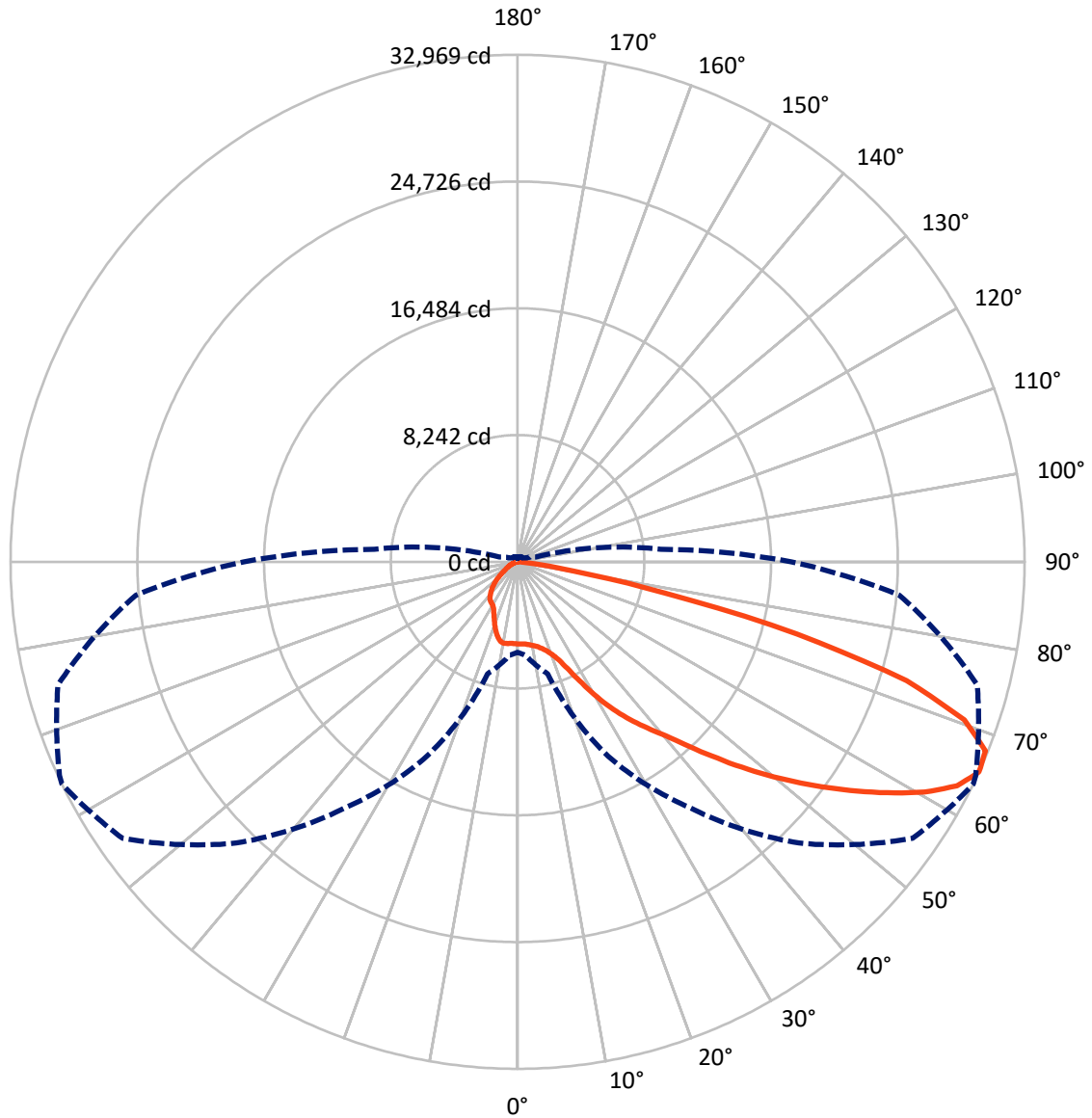
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6143.0	0.0	6143.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	39793.0	0.0	39793.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	45936.0	0.0	45936.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	492.9	1.1
10°-20°	1337.0	2.9
20°-30°	2533.4	5.5
30°-40°	5126.5	11.2
40°-50°	8733.0	19.0
50°-60°	11876.2	25.9
60°-70°	11152.4	24.3
70°-80°	4468.1	9.7
80°-90°	216.5	0.5
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°	45936.0	100.0
0°-180°	45936.0	100.0

**Coefficient of Utilization**



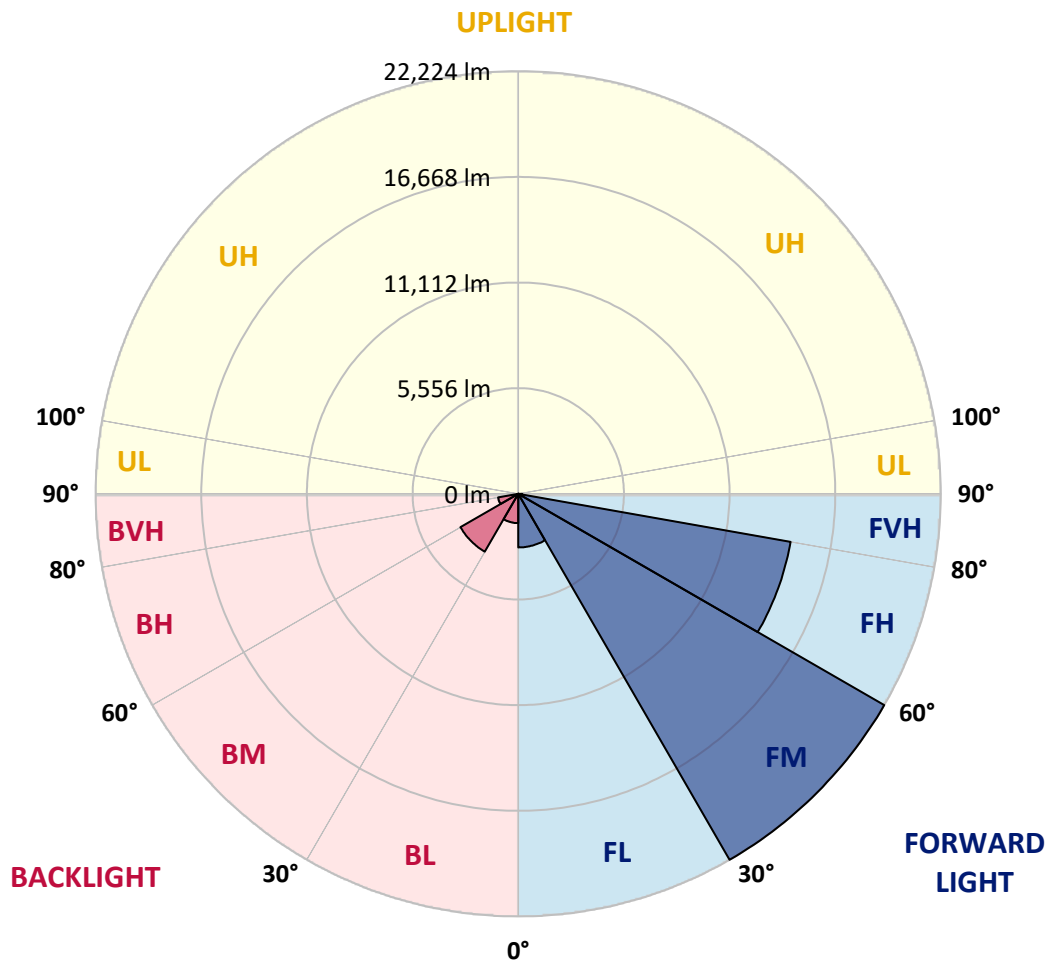
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2821.0	6.1			
FM (30°-60°)	22223.8	48.4			
FH (60°-80°)	14542.3	31.7			G5
FVH (80°-90°)	205.9	0.4			G2/225
BL (0°-30°)	1542.3	3.4	B3/2500		
BM (30°-60°)	3511.9	7.6	B3/5000		
BH (60°-80°)	1078.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.6	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8
2.5°	5324.4	5361.3	5352.1	5342.8	5339.8	5345.9	5349.0	5345.9	5345.9	5345.9
5°	5222.7	5253.5	5253.5	5275.1	5305.9	5342.8	5370.5	5376.7	5382.9	5392.1
7.5°	5028.7	5053.4	5071.8	5142.7	5219.7	5318.2	5401.3	5444.5	5450.6	5484.5
10°	4896.3	4927.1	4957.9	5031.8	5142.7	5290.5	5432.1	5536.8	5552.2	5632.3
12.5°	4890.2	4921.0	4961.0	5041.0	5170.4	5327.4	5499.9	5650.8	5678.5	5795.5
15°	4954.8	4991.8	5028.7	5127.3	5265.8	5456.8	5641.5	5829.4	5857.1	6023.4
17.5°	5087.2	5136.5	5164.2	5262.8	5410.6	5623.1	5866.3	6081.9	6106.5	6300.5
20°	5349.0	5407.5	5416.7	5496.8	5641.5	5869.4	6158.9	6426.8	6457.6	6679.3
22.5°	5891.0	5974.1	5900.2	5940.2	6069.6	6297.5	6611.6	6950.3	6993.4	7245.9
25°	6845.6	6962.6	6771.7	6703.9	6759.4	6996.5	7390.7	7818.7	7868.0	8071.2
27.5°	8721.0	8570.1	8280.6	7997.3	7831.0	7966.5	8410.0	8939.6	9001.2	9198.3
30°	10781.1	10648.7	10257.6	9629.4	9235.2	9213.7	9623.3	10214.5	10285.3	10473.2
32.5°	12844.4	12718.1	12293.1	11520.2	10836.6	10497.8	10781.1	11437.1	11474.0	11594.1
35°	14873.7	14744.4	14319.4	13528.0	12687.3	11917.4	11862.0	12601.1	12613.4	12739.7
37.5°	16915.4	16807.6	16354.9	15578.9	14750.5	13688.1	13173.9	13703.5	13718.9	13842.1
40°	18372.0	18418.1	18107.1	17506.6	16795.3	15634.3	14645.8	14876.8	14784.4	14990.7
42.5°	19622.2	19714.6	19443.6	19141.8	18729.2	17706.8	16468.9	16428.8	16281.0	16391.9
45°	20703.1	20780.1	20536.8	20466.0	20456.7	19739.2	18461.3	18221.1	18014.7	17993.2
47.5°	21100.3	21248.2	21352.9	21590.0	22051.9	21750.1	20521.4	20148.8	19917.8	19748.5
50°	21251.2	21408.3	21765.5	22455.3	23548.5	23677.8	22572.3	22153.5	21870.2	21562.3
52.5°	21048.0	21328.2	21808.6	22969.6	24555.5	25223.7	24540.1	24173.6	23850.3	23348.3
55°	19850.1	20130.3	21112.7	22963.4	25057.4	26307.7	26400.1	26236.9	25873.5	25082.1
57.5°	17324.9	17740.7	19295.8	22181.2	25048.2	27240.8	28223.1	28340.1	27933.6	26800.4
60°	13826.7	14390.2	16287.2	20447.5	24275.3	27745.8	29821.3	30406.4	29975.3	28494.1
62.5°	9647.9	10300.7	12096.1	17731.4	22507.6	27382.4	30988.4	32069.3	31742.9	30009.2
65°	5884.8	6094.2	7541.6	13953.0	19502.1	25861.2	31348.7	32968.5	32860.7	30936.1
67.5°	3920.1	4095.7	4511.4	9567.8	15138.5	22821.8	30486.5	32811.5	32842.3	30785.2
70°	2361.9	2512.8	2783.8	5564.6	9811.1	18064.0	27816.6	30809.8	30988.4	28768.2
72.5°	973.1	1074.7	1321.1	2522.1	5081.1	11464.8	22150.4	26452.4	26868.1	24189.0
75°	551.2	603.6	776.0	1265.7	2204.9	5342.8	13417.1	18778.4	19391.3	16672.1
77.5°	366.5	391.1	501.9	819.1	1241.0	1823.0	5733.9	9783.4	10953.6	9105.9
80°	246.4	267.9	344.9	548.1	806.8	782.2	1826.1	3624.5	4459.0	3128.7
82.5°	166.3	169.4	246.4	360.3	511.2	378.8	538.9	1127.1	1416.5	905.4
85°	95.5	92.4	181.7	209.4	227.9	157.1	163.2	338.7	443.4	381.9
87.5°	12.3	18.5	70.8	55.4	30.8	33.9	33.9	58.5	86.2	92.4
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°
5342.8	0°	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8	5342.8
5349.0	2.5°	5349.0	5345.9	5336.7	5327.4	5305.9	5293.6	5299.7	5293.6	5290.5	5293.6
5389.0	5°	5389.0	5379.8	5355.2	5324.4	5281.2	5228.9	5195.0	5145.7	5099.6	5071.8
5496.8	7.5°	5496.8	5487.6	5453.7	5367.5	5228.9	5010.3	4810.1	4634.6	4502.1	4425.2
5669.3	10°	5669.3	5653.9	5601.5	5410.6	5047.2	4569.9	4172.6	3843.1	3627.6	3526.0
5872.5	12.5°	5872.5	5854.0	5761.6	5370.5	4702.3	3957.1	3408.9	3042.5	2842.3	2753.0
6106.5	15°	6112.7	6088.1	5906.4	5179.6	4200.4	3279.6	2777.7	2503.6	2374.3	2294.2
6405.2	17.5°	6411.4	6368.3	6014.2	4893.2	3655.3	2762.3	2389.6	2183.3	2069.4	1992.4
6796.3	20°	6799.4	6728.6	6100.4	4551.4	3153.3	2435.8	2127.9	1955.4	1869.2	1801.5
7350.6	22.5°	7341.4	7239.8	6205.1	4181.9	2799.2	2211.0	1933.9	1807.6	1736.8	1659.8
8123.6	25°	8012.7	7892.6	6334.4	3840.1	2555.9	2017.0	1792.2	1687.5	1604.4	1515.1
9136.7	27.5°	8951.9	8736.4	6488.4	3559.8	2346.5	1850.7	1662.9	1545.9	1450.4	1376.5
10285.3	30°	9999.0	9644.8	6623.9	3390.5	2155.6	1696.8	1493.5	1376.5	1287.2	1234.9
11317.0	32.5°	10990.5	10510.1	6713.2	3316.6	1983.2	1521.2	1308.8	1182.5	1114.8	1099.4
12327.0	35°	11926.7	11292.3	6703.9	3245.7	1829.2	1345.7	1127.1	997.7	945.4	954.6
13414.1	37.5°	13004.5	12126.8	6639.3	3134.9	1702.9	1185.6	970.0	856.1	809.9	813.0
14735.1	40°	14257.8	13090.7	6599.2	2925.5	1564.4	1037.8	840.7	748.3	714.4	702.1
16127.0	42.5°	15594.3	14023.8	6605.4	2688.4	1391.9	905.4	751.4	674.4	643.6	634.4
17676.0	45°	16936.9	14913.7	6614.6	2442.0	1210.2	803.7	686.7	622.0	603.6	591.3
19246.5	47.5°	18199.5	15671.3	6442.2	2177.2	1031.6	726.7	634.4	591.3	575.9	560.5
20823.2	50°	19375.9	16176.3	6026.5	1869.2	890.0	665.2	594.3	563.5	548.1	532.7
22252.1	52.5°	20290.5	16256.4	5339.8	1552.0	791.4	619.0	569.7	542.0	523.5	508.1
23406.8	55°	20696.9	15754.4	4363.6	1256.4	714.4	578.9	545.1	517.3	495.8	480.4
24315.3	57.5°	20592.2	14698.2	3402.8	1010.1	640.5	538.9	514.3	495.8	471.2	446.5
25051.3	60°	20078.0	13284.7	2565.2	840.7	572.8	495.8	480.4	465.0	431.1	394.2
25334.6	62.5°	19188.0	11507.9	1829.2	696.0	498.9	446.5	440.4	428.0	378.8	311.0
24915.8	65°	17826.9	9349.2	1231.8	578.9	428.0	391.1	394.2	372.6	307.9	231.0
23382.2	67.5°	15837.6	6836.4	788.3	474.2	357.2	326.4	329.5	317.2	261.8	197.1
20475.2	70°	13303.2	4526.8	514.3	360.3	286.4	252.5	271.0	274.1	221.7	160.1
15714.4	72.5°	9752.6	2673.0	360.3	267.9	209.4	175.5	221.7	227.9	178.6	120.1
9453.9	75°	5558.4	1268.7	271.0	194.0	129.3	123.2	172.4	172.4	123.2	80.1
4092.6	77.5°	2334.2	529.7	190.9	126.3	73.9	70.8	117.0	107.8	61.6	37.0
997.7	80°	674.4	237.1	101.6	61.6	30.8	27.7	46.2	33.9	15.4	6.2
378.8	82.5°	264.8	104.7	40.0	24.6	12.3	12.3	6.2	0.0	0.0	0.0
215.6	85°	157.1	43.1	18.5	9.2	3.1	0.0	0.0	0.0	0.0	0.0
46.2	87.5°	40.0	9.2	6.2	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>
5342.8
5305.9
5078.0
4428.2
3516.7
2743.8
2297.3
1986.2
1789.2
1647.5
1505.8
1361.1
1225.6
1108.6
954.6
825.3
699.0
631.3
591.3
560.5
532.7
505.0
477.3
443.4
388.0
304.9
224.8
187.8
154.0
113.9
73.9
37.0
6.2
0.0
0.0
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