

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: P853264

Luminaire Tested: **GLAN-SB9D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853264  
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-SB9D-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 900mA 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: 47345 lumens  
Efficiency: N/A  
Efficacy: 72.0 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

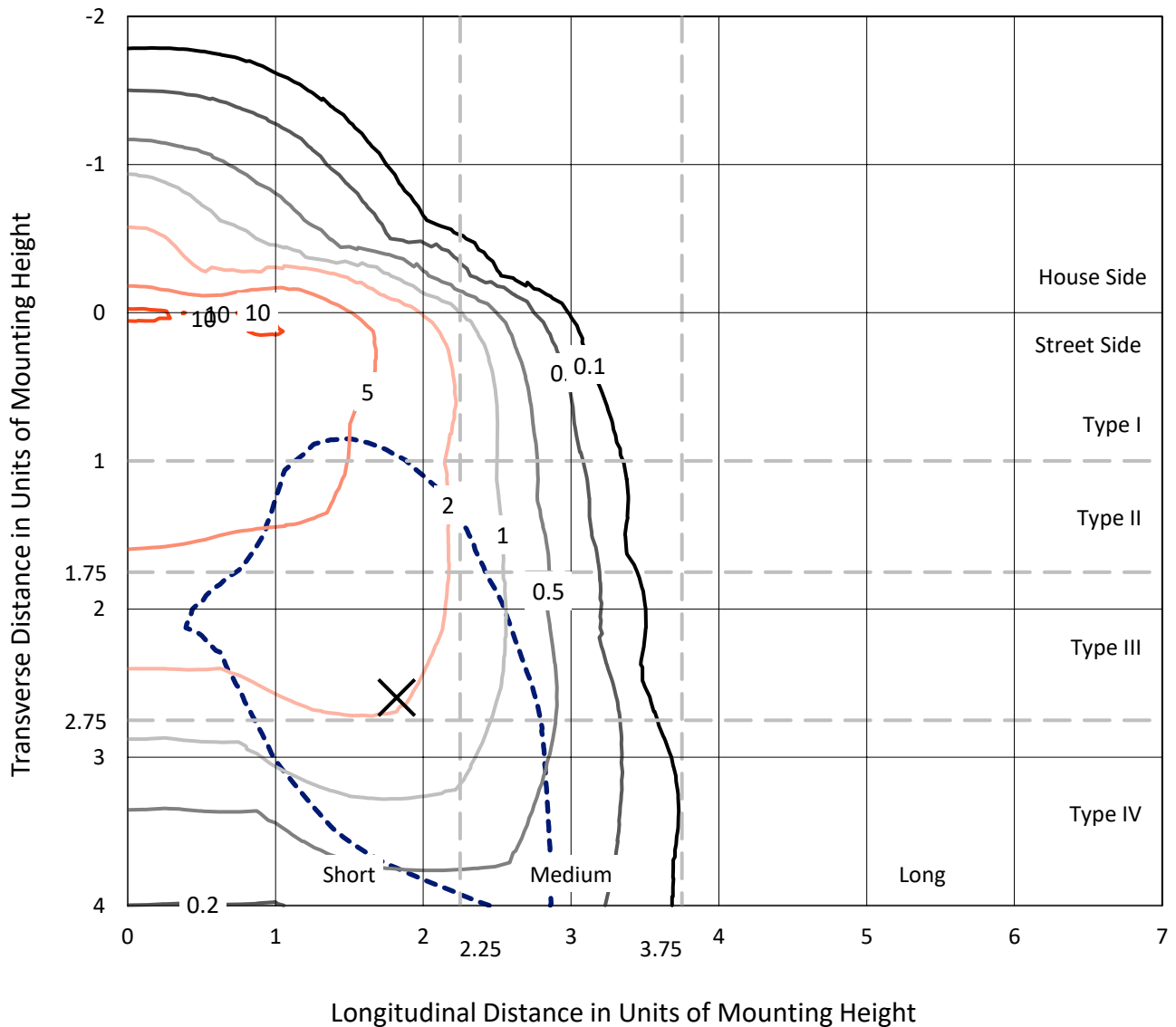
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

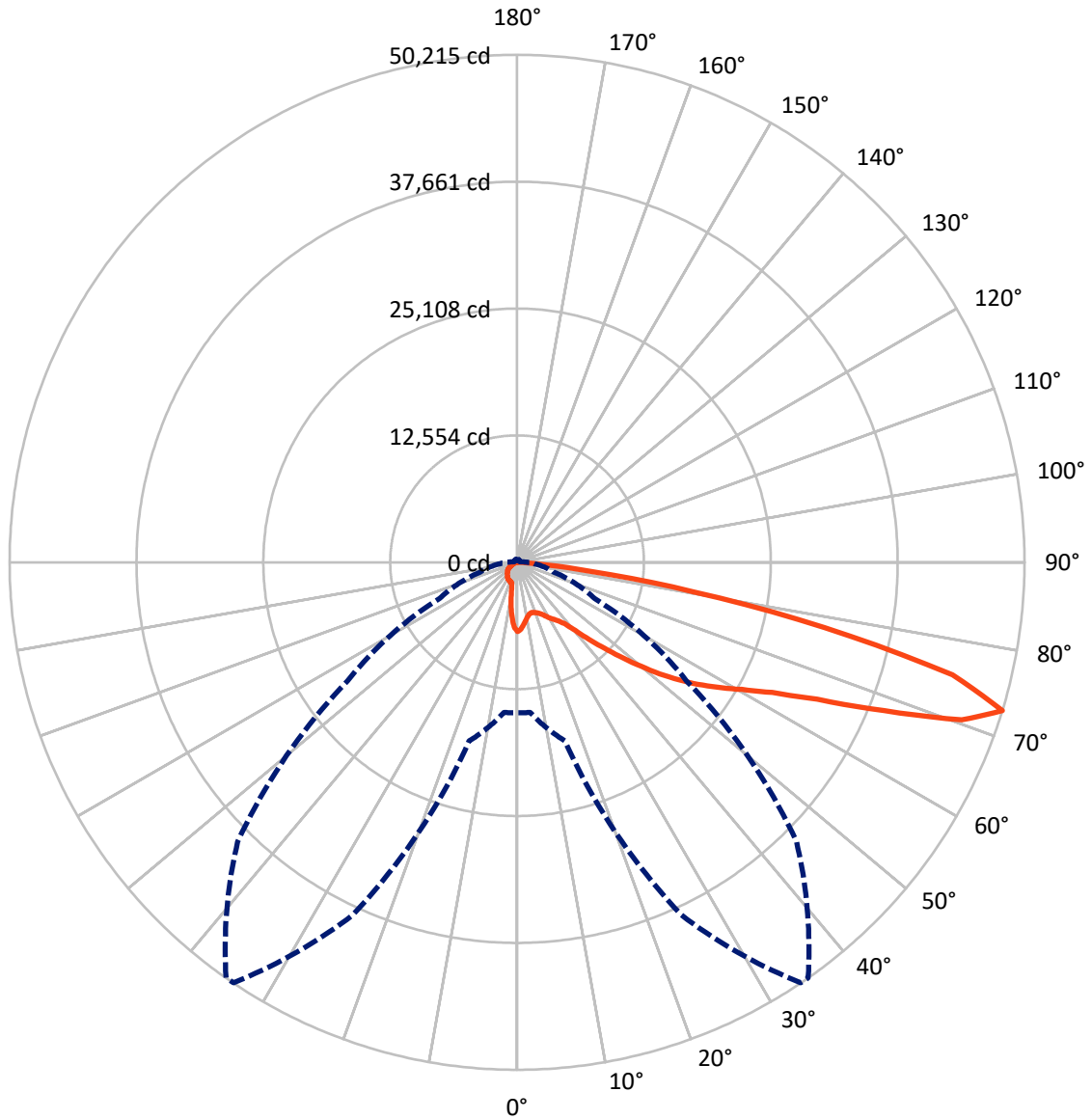
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	5328.5	0.0	5328.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	42016.5	0.0	42016.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	47345.0	0.0	47345.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	563.9	1.2
10°-20°	1319.1	2.8
20°-30°	2142.8	4.5
30°-40°	3575.3	7.6
40°-50°	6764.6	14.3
50°-60°	10748.8	22.7
60°-70°	13297.0	28.1
70°-80°	8265.5	17.5
80°-90°	668.0	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°	47345.0	100.0
0°-180°	47345.0	100.0

**Coefficient of Utilization**



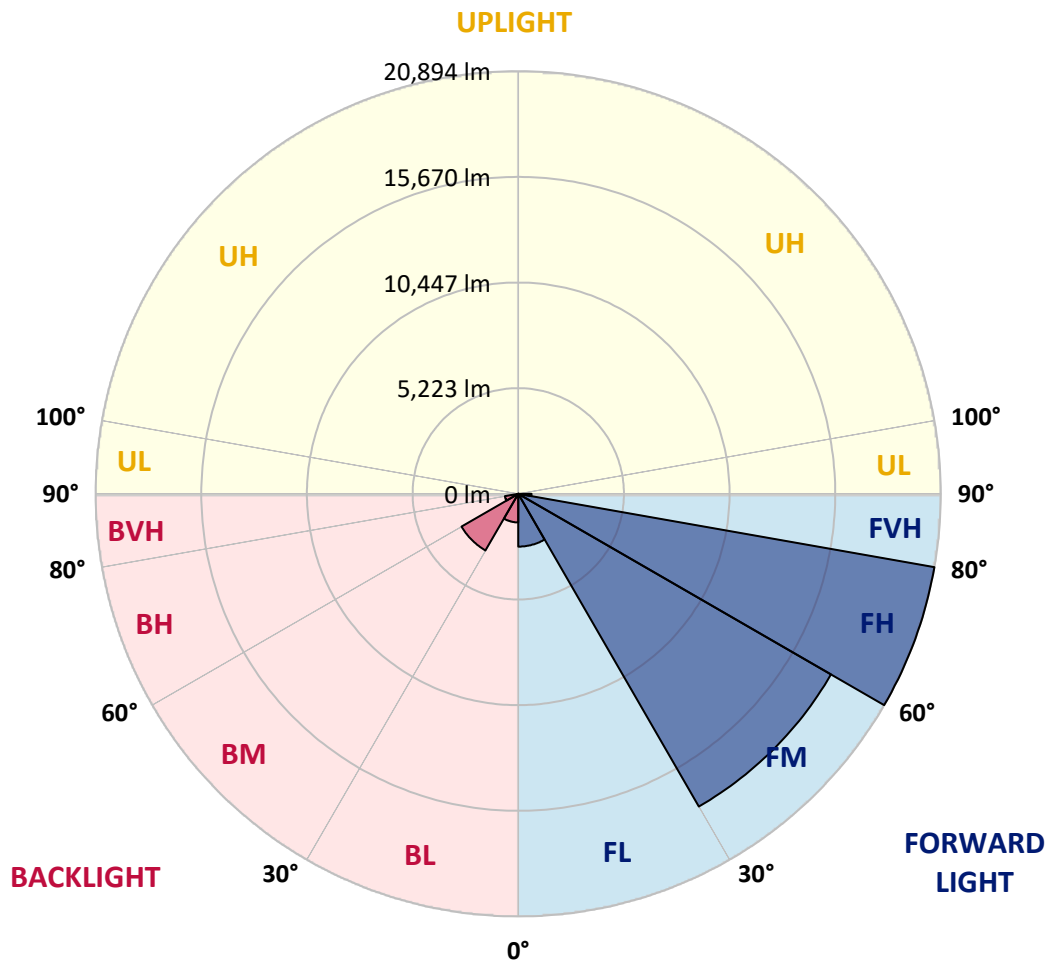
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2609.9	5.5			
FM (30°-60°)	17853.8	37.7			
FH (60°-80°)	20893.9	44.1			G5
FVH (80°-90°)	658.9	1.4			G4/750
BL (0°-30°)	1415.9	3.0	B3/2500		
BM (30°-60°)	3234.9	6.8	B3/5000		
BH (60°-80°)	668.6	1.4	B2/1000		G2/1000
BVH (80°-90°)	9.1	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°	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9
2.5°	6556.6	6612.1	6622.5	6639.9	6639.9	6660.7	6695.4	6743.9	6823.7	6865.3
5°	6043.2	6084.8	6136.8	6178.5	6258.3	6268.7	6404.0	6535.8	6719.6	6858.4
7.5°	5526.3	5574.8	5644.2	5744.8	5848.9	5880.1	6084.8	6306.8	6598.2	6858.4
10°	5162.0	5165.5	5227.9	5328.5	5495.1	5533.2	5783.0	6098.7	6462.9	6816.8
12.5°	4957.3	4981.6	5009.4	5085.7	5245.3	5269.6	5536.7	5907.9	6327.6	6792.5
15°	4957.3	4974.7	4992.0	5030.2	5158.6	5179.4	5415.3	5786.5	6258.3	6802.9
17.5°	5009.4	5037.1	5023.3	5068.4	5203.6	5217.5	5425.7	5751.8	6254.8	6868.8
20°	5134.3	5155.1	5127.3	5155.1	5290.4	5318.1	5533.2	5817.7	6313.8	6983.3
22.5°	5332.0	5342.4	5276.5	5297.3	5436.1	5470.8	5720.5	6005.0	6456.0	7167.2
25°	5581.8	5602.6	5502.0	5526.3	5658.1	5699.7	5987.7	6286.0	6681.5	7420.4
27.5°	5869.7	5880.1	5793.4	5789.9	5959.9	6018.9	6310.3	6632.9	6983.3	7739.6
30°	6199.3	6230.5	6147.2	6133.4	6348.5	6397.0	6685.0	7059.6	7427.3	8218.3
32.5°	6459.5	6483.7	6435.2	6469.9	6688.4	6726.6	7139.4	7663.2	8124.6	8898.2
35°	6834.1	6848.0	6737.0	6799.4	7049.2	7146.3	7760.4	8509.7	9002.3	9751.6
37.5°	8190.5	8190.5	7718.7	7410.0	7649.4	7736.1	8610.3	9574.7	10084.7	10896.4
40°	10067.3	10036.1	9345.8	8714.4	8683.2	8853.1	9821.0	10917.3	11482.7	12270.2
42.5°	12069.0	12020.4	11080.3	10455.9	10351.8	10410.8	11219.1	12572.0	13147.9	13945.8
45°	13845.2	13831.3	12971.0	12131.4	11944.1	12131.4	12964.0	14507.8	14920.6	15760.1
47.5°	15333.4	15333.4	14705.5	14157.4	14060.3	14171.3	15326.5	16655.1	16617.0	17692.4
50°	17047.2	17033.3	16436.6	16200.7	16301.3	16457.4	18046.3	18917.0	18372.3	19590.0
52.5°	18247.5	18330.7	18126.0	18087.9	18601.3	18871.9	20807.7	21130.3	19943.9	21390.5
55°	19198.0	19295.1	19531.0	19798.1	20786.8	21140.7	23482.3	23229.1	21258.6	22951.6
57.5°	20544.0	20405.2	20769.5	21296.8	22896.1	23322.8	26073.7	25209.9	22316.7	24217.8
60°	22178.0	22198.8	22261.2	22927.3	25001.8	25549.9	28627.0	27083.3	22996.7	24994.9
62.5°	24141.5	24172.7	24301.0	25324.4	27829.1	28346.0	31346.8	28616.6	23308.9	24776.3
65°	24006.2	24138.0	25570.7	29071.0	32127.3	32637.3	34521.0	29692.0	22837.1	22778.1
67.5°	21869.2	22084.3	24481.4	33546.2	38607.6	39176.5	38357.8	29903.6	20800.7	17713.2
70°	19066.2	19142.5	22025.3	37570.3	46111.3	46687.1	41792.2	27575.9	15784.4	9880.0
72.5°	14889.4	14906.7	18289.1	38503.5	50184.0	50215.2	39096.7	20471.2	8488.9	3795.2
75°	10636.3	10532.2	12249.4	31225.4	44151.2	44505.1	29310.4	9602.5	3243.6	1793.5
77.5°	5703.2	5817.7	6931.3	18518.1	30500.3	31103.9	15992.5	2768.3	1651.3	1221.1
80°	1762.3	1859.4	2841.2	8478.5	17276.1	17640.4	5928.7	1231.5	1151.7	870.7
82.5°	555.1	575.9	1325.2	3562.8	7170.6	7337.1	1717.2	697.3	787.5	575.9
85°	159.6	163.0	589.7	1328.7	1772.7	1807.4	482.2	270.6	451.0	357.3
87.5°	17.3	55.5	222.0	222.0	156.1	152.6	52.0	59.0	128.4	45.1
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°
6861.9	0°	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9	6861.9
6893.1	2.5°	6875.8	6879.2	6834.1	6757.8	6674.5	6605.2	6518.4	6449.1	6400.5	6386.6
6955.5	5°	6924.3	6900.0	6771.7	6539.3	6261.7	6022.4	5755.2	5543.6	5404.9	5345.9
7021.5	7.5°	6997.2	6927.8	6646.8	6188.9	5658.1	5186.3	4707.6	4336.4	4100.5	3982.5
7083.9	10°	7059.6	6920.9	6438.6	5682.4	4870.6	4156.0	3510.7	3063.2	2813.4	2695.5
7156.8	12.5°	7118.6	6917.4	6168.1	5082.2	3982.5	3108.3	2508.2	2286.1	2216.8	2192.5
7274.7	15°	7229.6	6927.8	5828.1	4395.3	3097.9	2348.6	2130.0	2126.6	2140.4	2133.5
7455.1	17.5°	7382.2	6938.2	5443.0	3666.8	2390.2	2071.1	2060.6	2091.9	2112.7	2102.3
7680.6	20°	7580.0	6979.8	5033.7	2945.3	2053.7	2001.7	2026.0	2053.7	2071.1	2053.7
7982.4	22.5°	7857.5	7052.7	4586.1	2365.9	1946.2	1960.0	1980.9	2012.1	2029.4	2005.1
8367.5	25°	8197.5	7167.2	4145.6	2057.2	1894.1	1911.5	1942.7	1977.4	1998.2	1973.9
8853.1	27.5°	8638.1	7351.0	3739.7	1987.8	1842.1	1852.5	1897.6	1949.6	1977.4	1946.2
9543.5	30°	9276.4	7652.8	3389.3	2019.0	1810.9	1786.6	1849.0	1921.9	1953.1	1925.3
10483.6	32.5°	10122.8	8079.5	3174.2	2067.6	1797.0	1710.3	1769.2	1862.9	1914.9	1897.6
11711.7	35°	11232.9	8728.3	3091.0	2123.1	1786.6	1630.5	1672.1	1772.7	1862.9	1880.3
13258.9	37.5°	12579.0	9630.2	3115.3	2147.4	1755.4	1564.6	1585.4	1672.1	1790.1	1845.6
15000.4	40°	14108.8	10681.4	3254.0	2123.1	1720.7	1509.1	1512.5	1578.4	1682.5	1765.8
16873.7	42.5°	15687.3	11909.4	3510.7	2032.9	1689.5	1460.5	1450.1	1495.2	1564.6	1623.5
18743.5	45°	17189.4	13172.2	3764.0	1908.0	1651.3	1411.9	1387.6	1405.0	1418.9	1443.1
20564.8	47.5°	18500.7	14060.3	3691.1	1793.5	1599.3	1356.4	1314.8	1307.9	1266.2	1262.8
22191.8	50°	19406.1	14254.5	3278.3	1679.0	1522.9	1294.0	1228.1	1186.4	1113.6	1078.9
23409.5	52.5°	19694.1	13487.9	2678.1	1564.6	1398.0	1210.7	1117.0	1051.1	960.9	929.7
24110.2	55°	19312.5	11985.7	2140.4	1425.8	1224.6	1099.7	995.6	908.9	836.1	797.9
24186.6	57.5°	18379.3	10074.3	1692.9	1262.8	1040.7	974.8	870.7	784.0	721.6	683.4
23340.1	60°	16832.1	7999.7	1339.1	1068.5	888.1	839.5	732.0	676.5	621.0	575.9
21154.6	62.5°	14483.5	5710.1	1051.1	846.5	742.4	686.9	624.4	582.8	516.9	454.5
17224.1	65°	11302.3	3493.4	811.8	621.0	596.7	568.9	530.8	492.6	412.8	350.4
11236.4	67.5°	7129.0	1654.8	579.3	468.3	471.8	457.9	440.6	409.4	350.4	294.9
5033.7	70°	3139.5	801.4	381.6	357.3	350.4	350.4	364.3	353.8	298.3	246.3
1748.4	72.5°	1068.5	430.2	284.5	270.6	253.2	249.8	305.3	294.9	239.4	190.8
870.7	75°	558.5	287.9	208.1	194.3	152.6	183.9	242.8	229.0	170.0	124.9
575.9	77.5°	364.3	204.7	142.2	124.9	86.7	121.4	180.4	159.6	100.6	62.4
378.1	80°	229.0	135.3	83.3	59.0	41.6	65.9	97.1	69.4	38.2	13.9
222.0	82.5°	121.4	69.4	31.2	20.8	17.3	20.8	24.3	17.3	6.9	0.0
114.5	85°	48.6	24.3	10.4	6.9	3.5	0.0	6.9	3.5	0.0	0.0
20.8	87.5°	17.3	3.5	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



180°
6861.9
6410.9
5366.7
3999.9
2699.0
2185.5
2130.0
2098.8
2050.2
2001.7
1970.4
1946.2
1921.9
1897.6
1880.3
1859.4
1793.5
1647.8
1457.0
1259.3
1082.4
926.2
797.9
676.5
565.5
444.0
340.0
287.9
235.9
180.4
114.5
55.5
10.4
0.0
0.0
0.0
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