

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: P852474

Luminaire Tested: **GLAN-SB4A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852474  
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-SB4A-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA 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: 11270 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

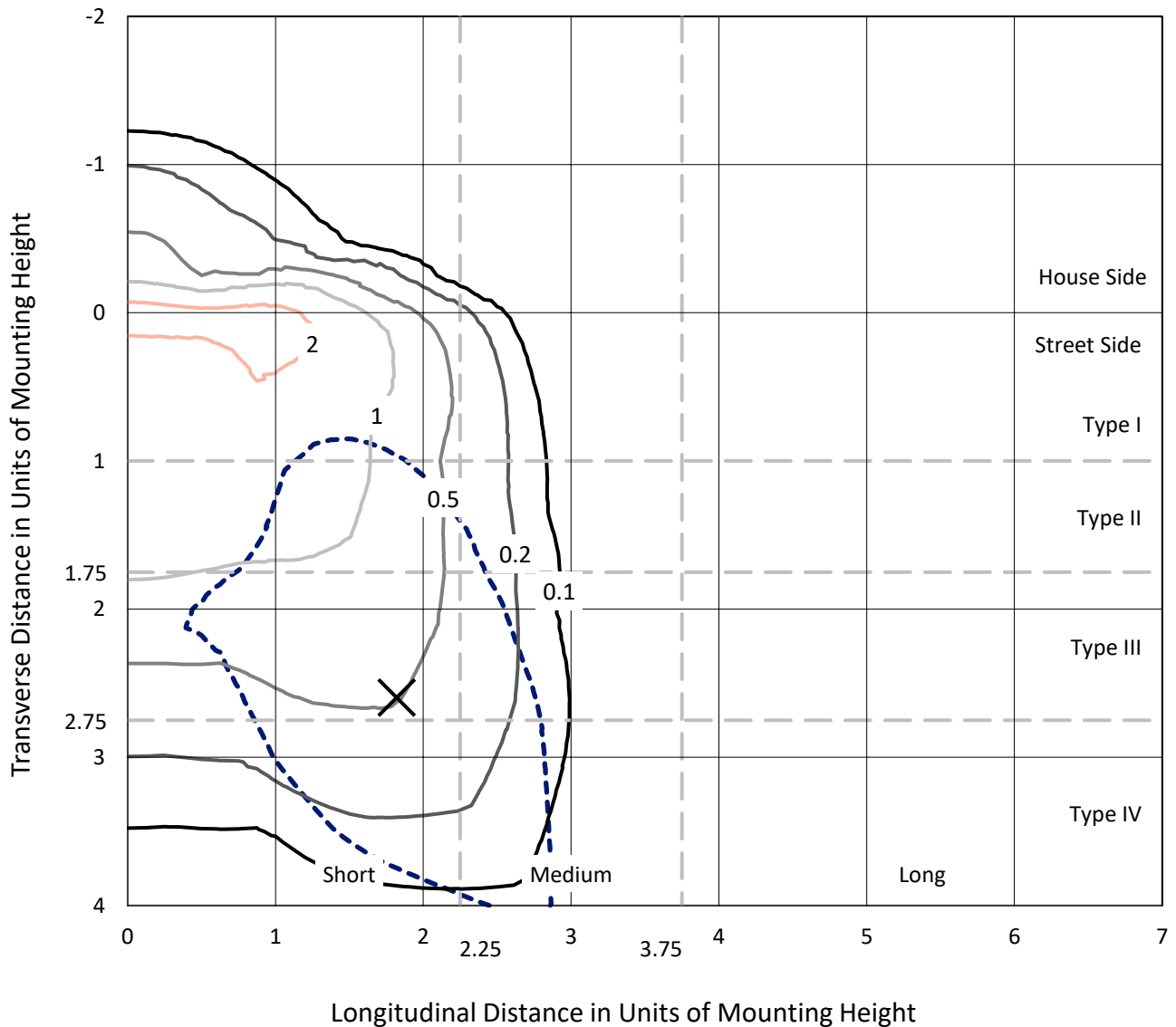
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

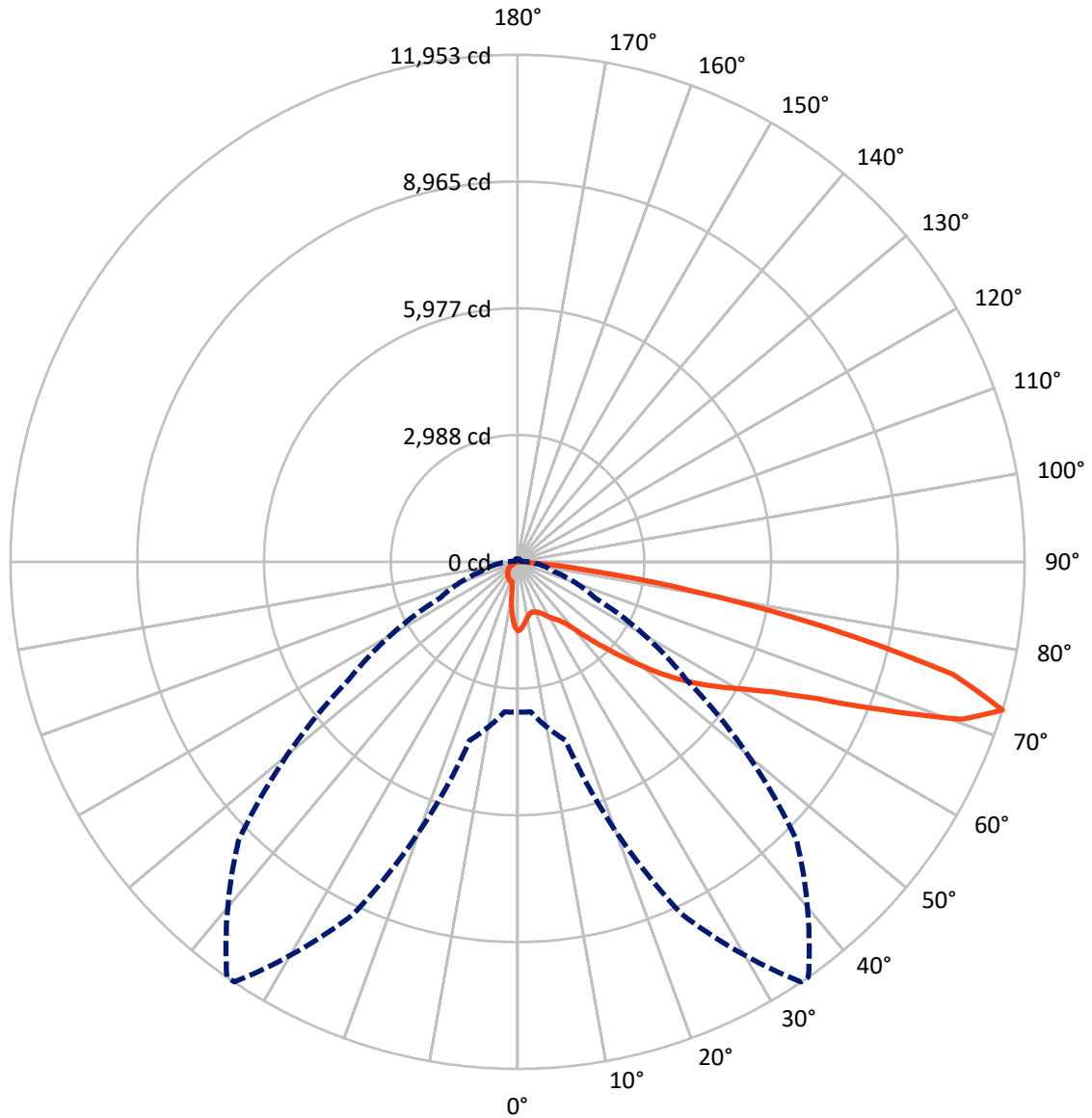
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	1268.4	0.0	1268.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	10001.6	0.0	10001.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	11270.0	0.0	11270.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.2	1.2
10°-20°	314.0	2.8
20°-30°	510.1	4.5
30°-40°	851.1	7.6
40°-50°	1610.2	14.3
50°-60°	2558.6	22.7
60°-70°	3165.2	28.1
70°-80°	1967.5	17.5
80°-90°	159.0	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°	11270.0	100.0
0°-180°	11270.0	100.0

**Coefficient of Utilization**

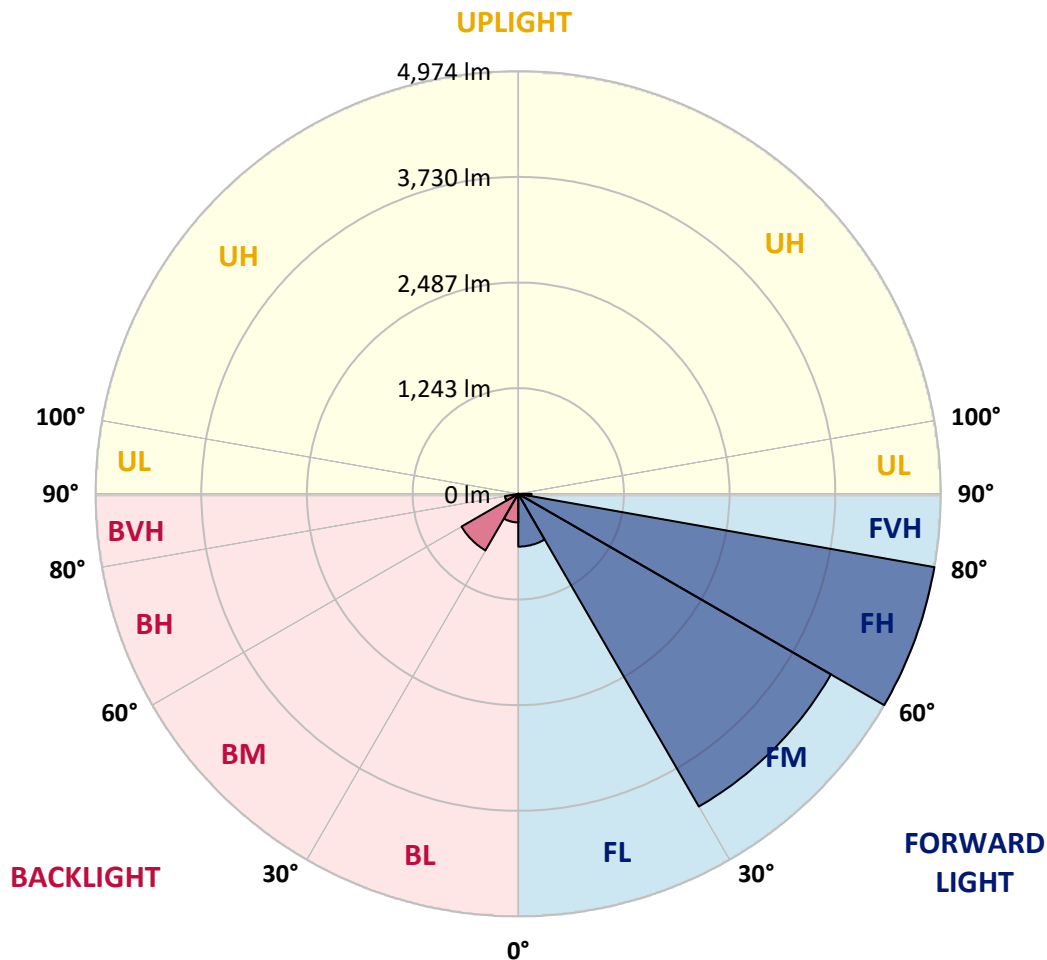


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	621.3	5.5			
FM	(30°-60°)	4249.9	37.7			
FH	(60°-80°)	4973.6	44.1			G2/5000
FVH	(80°-90°)	156.9	1.4			G2/225
BL	(0°-30°)	337.0	3.0	B1/500		
BM	(30°-60°)	770.0	6.8	B1/1000		
BH	(60°-80°)	159.2	1.4	B1/500		G1/500
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4
2.5°	1560.7	1573.9	1576.4	1580.6	1580.6	1585.5	1593.8	1605.3	1624.3	1634.2
5°	1438.5	1448.4	1460.8	1470.7	1489.7	1492.2	1524.4	1555.8	1599.5	1632.6
7.5°	1315.5	1327.0	1343.6	1367.5	1392.3	1399.7	1448.4	1501.3	1570.6	1632.6
10°	1228.8	1229.6	1244.5	1268.4	1308.0	1317.1	1376.6	1451.7	1538.4	1622.7
12.5°	1180.0	1185.8	1192.4	1210.6	1248.6	1254.4	1318.0	1406.3	1506.2	1616.9
15°	1180.0	1184.2	1188.3	1197.4	1227.9	1232.9	1289.0	1377.4	1489.7	1619.4
17.5°	1192.4	1199.0	1195.7	1206.5	1238.7	1242.0	1291.5	1369.1	1488.9	1635.1
20°	1222.2	1227.1	1220.5	1227.1	1259.3	1265.9	1317.1	1384.8	1502.9	1662.3
22.5°	1269.2	1271.7	1256.0	1261.0	1294.0	1302.3	1361.7	1429.4	1536.8	1706.1
25°	1328.7	1333.6	1309.7	1315.5	1346.9	1356.8	1425.3	1496.3	1590.5	1766.4
27.5°	1397.2	1399.7	1379.1	1378.2	1418.7	1432.7	1502.1	1578.9	1662.3	1842.3
30°	1475.7	1483.1	1463.3	1460.0	1511.2	1522.7	1591.3	1680.5	1768.0	1956.3
32.5°	1537.6	1543.4	1531.8	1540.1	1592.1	1601.2	1699.5	1824.2	1934.0	2118.1
35°	1626.8	1630.1	1603.7	1618.5	1678.0	1701.1	1847.3	2025.6	2142.9	2321.3
37.5°	1949.7	1949.7	1837.4	1763.9	1820.9	1841.5	2049.6	2279.2	2400.6	2593.8
40°	2396.4	2389.0	2224.7	2074.4	2066.9	2107.4	2337.8	2598.7	2733.3	2920.8
42.5°	2872.9	2861.3	2637.6	2488.9	2464.1	2478.2	2670.6	2992.6	3129.7	3319.7
45°	3295.7	3292.4	3087.6	2887.8	2843.2	2887.8	3086.0	3453.4	3551.7	3751.5
47.5°	3650.0	3650.0	3500.5	3370.0	3346.9	3373.3	3648.3	3964.6	3955.5	4211.5
50°	4057.9	4054.6	3912.6	3856.4	3880.4	3917.5	4295.7	4503.0	4373.4	4663.2
52.5°	4343.6	4363.4	4314.7	4305.6	4427.9	4492.3	4953.1	5029.9	4747.4	5091.8
55°	4569.9	4593.0	4649.2	4712.7	4948.1	5032.3	5589.7	5529.5	5060.4	5463.4
57.5°	4890.3	4857.3	4944.0	5069.5	5450.2	5551.7	6206.6	6001.0	5312.3	5764.8
60°	5279.2	5284.2	5299.1	5457.6	5951.4	6081.9	6814.4	6446.9	5474.1	5949.8
62.5°	5746.6	5754.1	5784.6	6028.2	6624.4	6747.5	7461.8	6811.9	5548.4	5897.7
65°	5714.4	5745.8	6086.9	6920.1	7647.6	7769.0	8217.4	7067.9	5436.1	5422.1
67.5°	5205.7	5256.9	5827.6	7985.3	9190.2	9325.6	9130.7	7118.3	4951.4	4216.5
70°	4538.5	4556.7	5242.9	8943.2	10976.3	11113.4	9948.2	6564.2	3757.3	2351.8
72.5°	3544.3	3548.4	4353.5	9165.4	11945.8	11953.2	9306.6	4873.0	2020.7	903.4
75°	2531.9	2507.1	2915.8	7432.9	10509.8	10594.0	6977.0	2285.8	772.1	426.9
77.5°	1357.6	1384.8	1649.9	4408.0	7260.3	7404.0	3806.9	659.0	393.1	290.7
80°	419.5	442.6	676.3	2018.2	4112.4	4199.1	1411.3	293.2	274.2	207.3
82.5°	132.1	137.1	315.4	848.1	1706.9	1746.5	408.8	166.0	187.5	137.1
85°	38.0	38.8	140.4	316.3	422.0	430.2	114.8	64.4	107.4	85.1
87.5°	4.1	13.2	52.9	52.9	37.2	36.3	12.4	14.0	30.6	10.7
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°
1633.4	0°	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4	1633.4
1640.8	2.5°	1636.7	1637.5	1626.8	1608.6	1588.8	1572.3	1551.6	1535.1	1523.6	1520.3
1655.7	5°	1648.3	1642.5	1611.9	1556.6	1490.5	1433.6	1370.0	1319.6	1286.6	1272.5
1671.4	7.5°	1665.6	1649.1	1582.2	1473.2	1346.9	1234.5	1120.6	1032.2	976.1	948.0
1686.3	10°	1680.5	1647.4	1532.7	1352.6	1159.4	989.3	835.7	729.2	669.7	641.6
1703.6	12.5°	1694.5	1646.6	1468.2	1209.8	948.0	739.9	597.0	544.2	527.7	521.9
1731.7	15°	1720.9	1649.1	1387.3	1046.3	737.4	559.1	507.0	506.2	509.5	507.9
1774.6	17.5°	1757.3	1651.6	1295.7	872.9	569.0	493.0	490.5	497.9	502.9	500.4
1828.3	20°	1804.3	1661.5	1198.2	701.1	488.9	476.5	482.3	488.9	493.0	488.9
1900.1	22.5°	1870.4	1678.8	1091.7	563.2	463.3	466.6	471.5	479.0	483.1	477.3
1991.8	25°	1951.3	1706.1	986.8	489.7	450.9	455.0	462.4	470.7	475.7	469.9
2107.4	27.5°	2056.2	1749.8	890.2	473.2	438.5	441.0	451.7	464.1	470.7	463.3
2271.7	30°	2208.1	1821.7	806.8	480.6	431.1	425.3	440.1	457.5	464.9	458.3
2495.5	32.5°	2409.6	1923.3	755.6	492.2	427.8	407.1	421.1	443.4	455.8	451.7
2787.8	35°	2673.9	2077.7	735.8	505.4	425.3	388.1	398.0	422.0	443.4	447.6
3156.1	37.5°	2994.3	2292.4	741.6	511.2	417.8	372.4	377.4	398.0	426.1	439.3
3570.7	40°	3358.5	2542.6	774.6	505.4	409.6	359.2	360.0	375.7	400.5	420.3
4016.6	42.5°	3734.2	2834.9	835.7	483.9	402.2	347.7	345.2	355.9	372.4	386.5
4461.7	45°	4091.8	3135.5	896.0	454.2	393.1	336.1	330.3	334.4	337.7	343.5
4895.2	47.5°	4403.9	3346.9	878.6	426.9	380.7	322.9	313.0	311.3	301.4	300.6
5282.5	50°	4619.4	3393.1	780.4	399.7	362.5	308.0	292.3	282.4	265.1	256.8
5572.4	52.5°	4688.0	3210.6	637.5	372.4	332.8	288.2	265.9	250.2	228.7	221.3
5739.2	55°	4597.1	2853.1	509.5	339.4	291.5	261.8	237.0	216.4	199.0	189.9
5757.4	57.5°	4375.0	2398.1	403.0	300.6	247.7	232.0	207.3	186.6	171.8	162.7
5555.9	60°	4006.7	1904.3	318.8	254.3	211.4	199.8	174.2	161.0	147.8	137.1
5035.6	62.5°	3447.6	1359.2	250.2	201.5	176.7	163.5	148.6	138.7	123.0	108.2
4100.0	65°	2690.4	831.6	193.2	147.8	142.0	135.4	126.3	117.3	98.3	83.4
2674.7	67.5°	1697.0	393.9	137.9	111.5	112.3	109.0	104.9	97.4	83.4	70.2
1198.2	70°	747.3	190.8	90.8	85.1	83.4	83.4	86.7	84.2	71.0	58.6
416.2	72.5°	254.3	102.4	67.7	64.4	60.3	59.5	72.7	70.2	57.0	45.4
207.3	75°	133.0	68.5	49.5	46.2	36.3	43.8	57.8	54.5	40.5	29.7
137.1	77.5°	86.7	48.7	33.9	29.7	20.6	28.9	42.9	38.0	23.9	14.9
90.0	80°	54.5	32.2	19.8	14.0	9.9	15.7	23.1	16.5	9.1	3.3
52.9	82.5°	28.9	16.5	7.4	5.0	4.1	5.0	5.8	4.1	1.7	0.0
27.3	85°	11.6	5.8	2.5	1.7	0.8	0.0	1.7	0.8	0.0	0.0
5.0	87.5°	4.1	0.8	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°
1633.4
1526.0
1277.5
952.1
642.5
520.2
507.0
499.6
488.0
476.5
469.0
463.3
457.5
451.7
447.6
442.6
426.9
392.2
346.8
299.8
257.6
220.5
189.9
161.0
134.6
105.7
80.9
68.5
56.2
42.9
27.3
13.2
2.5
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