

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: P847158

Luminaire Tested: **GLAN-SB3A-840-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847158  
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-SB3A-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11977 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

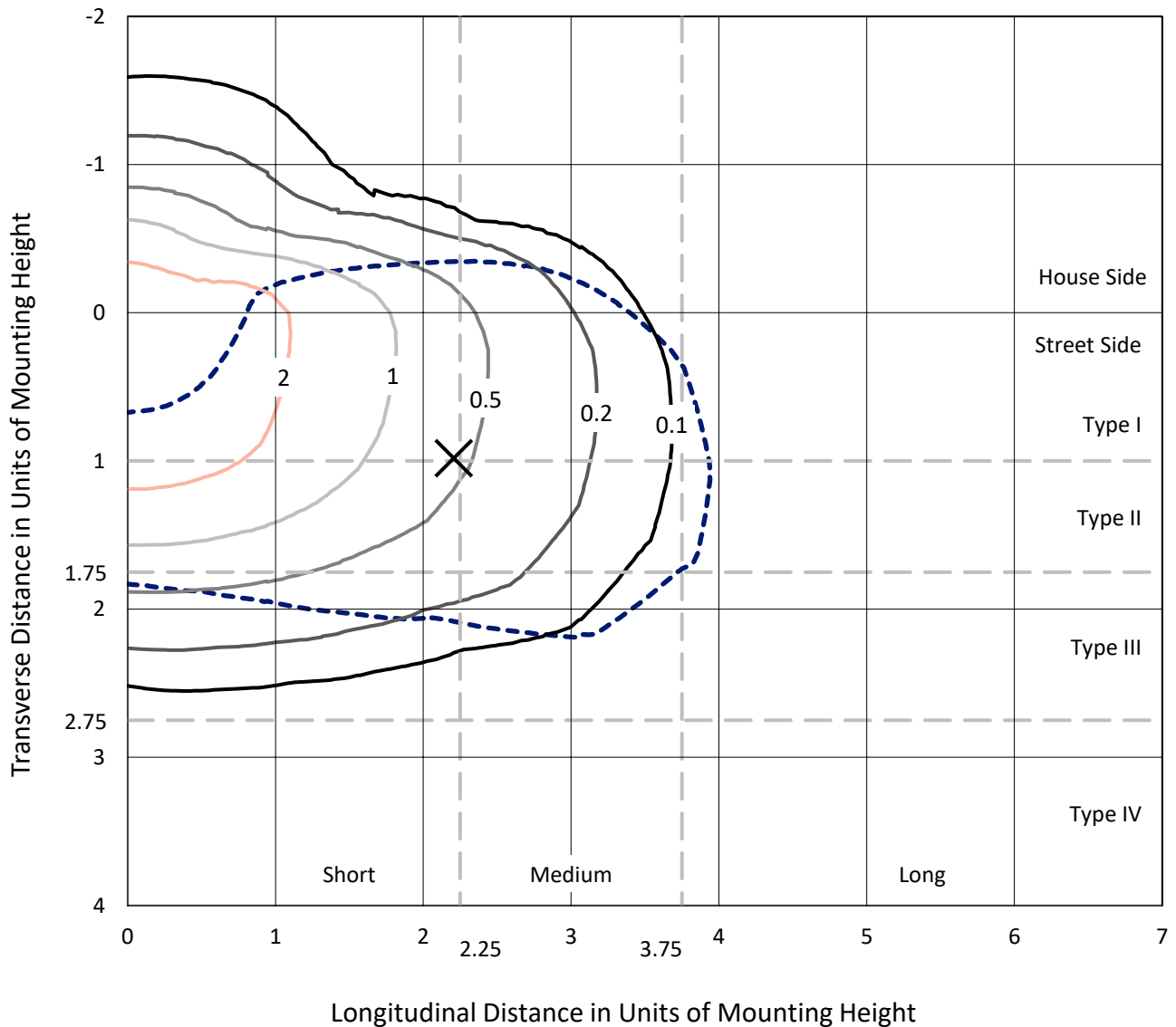
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

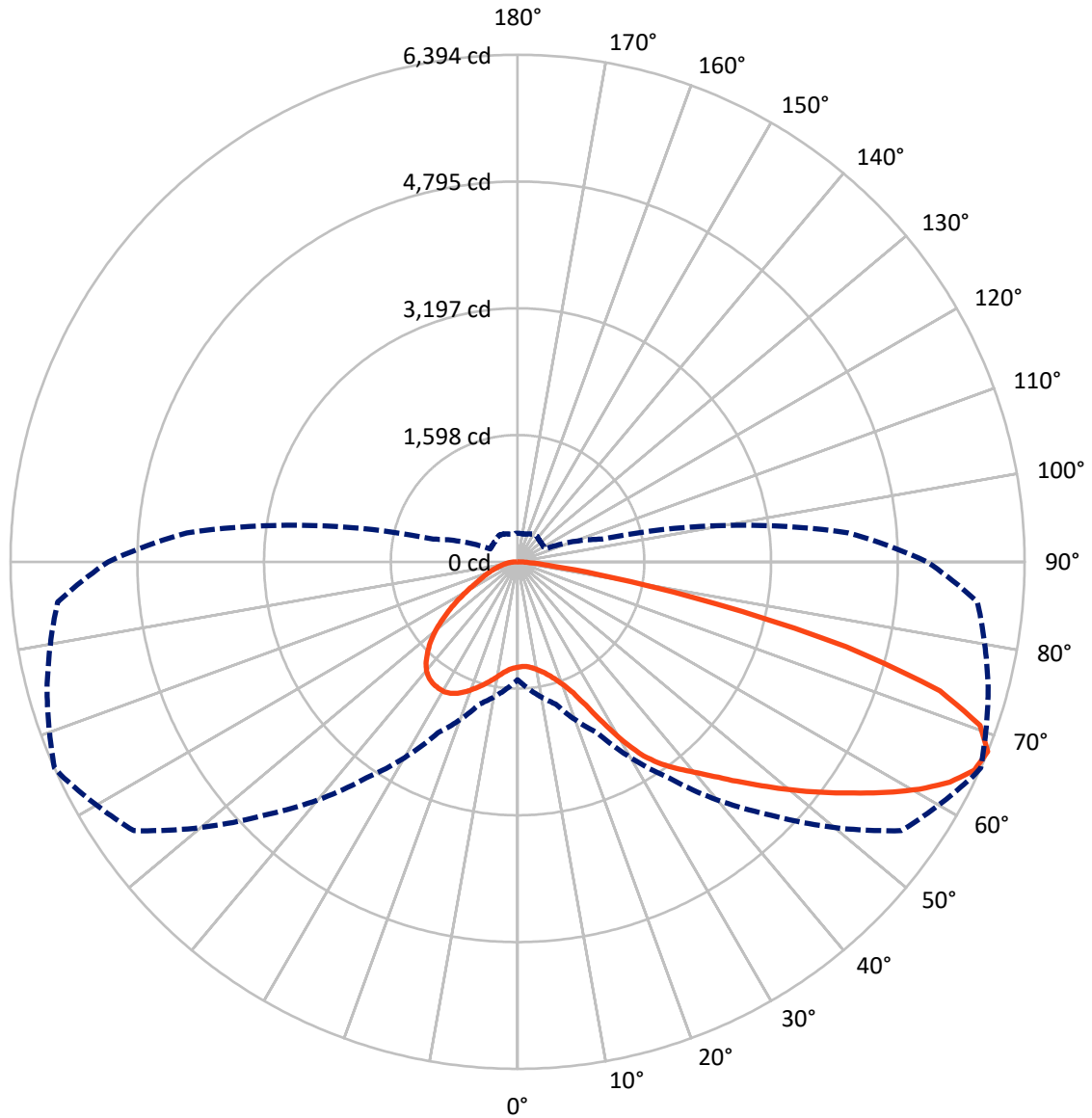
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	2978.0	0.0	2978.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	8999.0	0.0	8999.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	11977.0	0.0	11977.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.7	1.1
10°-20°	435.1	3.6
20°-30°	838.7	7.0
30°-40°	1470.6	12.3
40°-50°	2186.2	18.3
50°-60°	2771.3	23.1
60°-70°	2711.6	22.6
70°-80°	1293.5	10.8
80°-90°	138.2	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°	11977.0	100.0
0°-180°	11977.0	100.0

**Coefficient of Utilization**



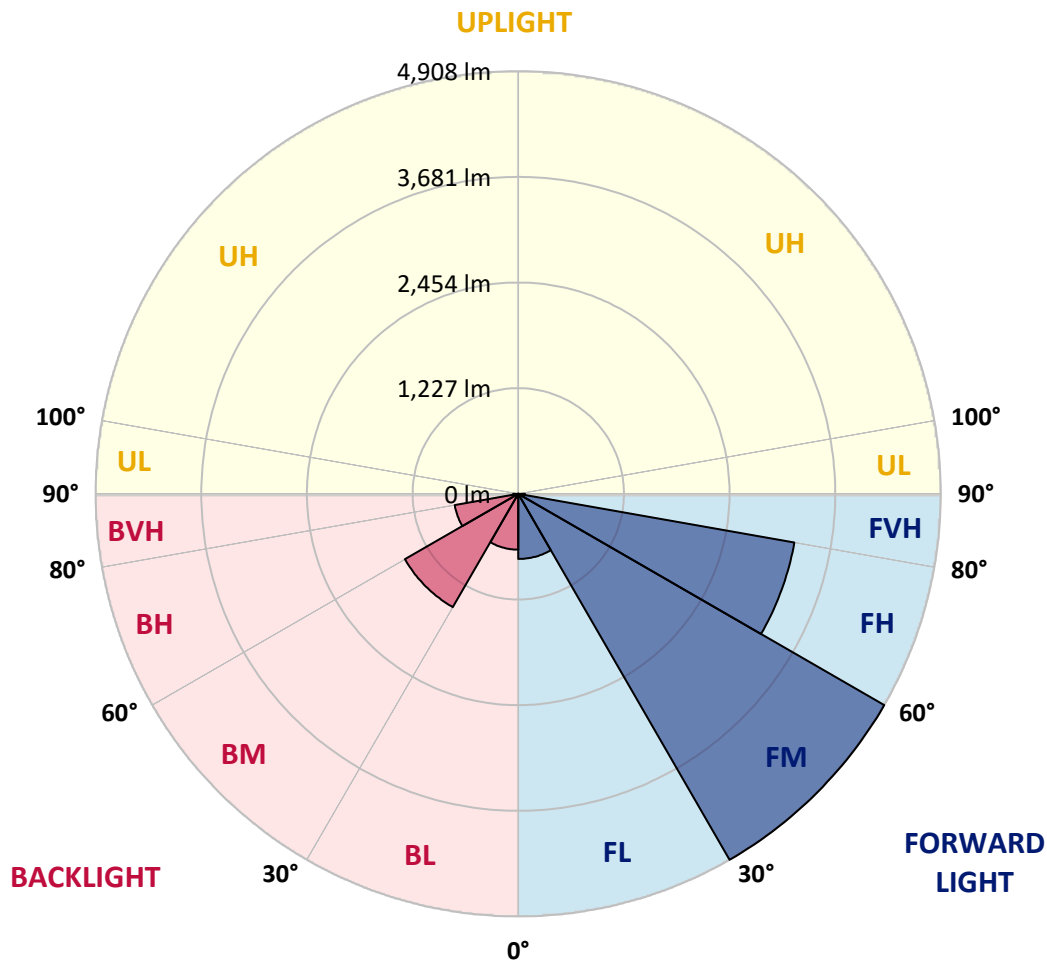
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.8	6.3			
FM (30°-60°)	4908.1	41.0			
FH (60°-80°)	3255.7	27.2			G2/5000
FVH (80°-90°)	78.4	0.7			G1/100
BL (0°-30°)	648.7	5.4	B2/1000		
BM (30°-60°)	1520.0	12.7	B2/2500		
BH (60°-80°)	749.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	59.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4
2.5°	1314.6	1322.1	1320.2	1317.1	1316.5	1317.7	1319.6	1321.5	1320.9	1324.0
5°	1310.8	1318.3	1317.7	1317.7	1320.2	1325.3	1328.4	1331.6	1328.4	1332.2
7.5°	1313.3	1319.0	1321.5	1324.0	1330.3	1339.7	1347.3	1354.2	1350.4	1354.8
10°	1345.4	1349.8	1352.3	1352.3	1356.7	1367.4	1375.0	1387.6	1384.4	1391.3
12.5°	1403.9	1408.3	1408.3	1405.8	1409.0	1415.9	1418.4	1432.2	1426.6	1437.9
15°	1475.7	1484.5	1477.5	1473.1	1474.4	1481.3	1480.7	1491.4	1485.7	1495.2
17.5°	1554.9	1566.3	1554.9	1554.3	1551.8	1559.4	1560.0	1569.4	1559.4	1566.3
20°	1648.7	1664.4	1655.0	1658.1	1652.5	1655.6	1658.8	1672.6	1656.9	1661.9
22.5°	1780.9	1799.7	1789.7	1801.6	1797.8	1795.3	1794.7	1819.2	1794.7	1796.6
25°	1973.4	1996.1	1978.5	1994.8	1994.8	2003.0	2012.4	2043.9	2003.0	1991.0
27.5°	2257.9	2280.5	2245.9	2256.0	2252.8	2273.0	2262.9	2340.9	2296.9	2277.4
30°	2600.2	2640.5	2575.0	2572.5	2569.3	2601.4	2615.9	2667.5	2622.8	2603.3
32.5°	2970.2	3012.4	2934.3	2911.7	2899.7	2919.2	2907.3	2948.8	2918.0	2887.8
35°	3361.6	3403.1	3328.9	3284.8	3237.0	3196.1	3153.3	3164.0	3135.1	3089.1
37.5°	3731.6	3807.8	3729.1	3681.9	3593.8	3513.9	3394.3	3344.6	3317.6	3275.4
40°	4108.6	4152.0	4092.2	4051.9	3956.3	3831.0	3639.7	3534.7	3498.2	3457.3
42.5°	4386.1	4427.6	4395.5	4367.8	4292.9	4147.6	3900.3	3768.8	3715.9	3670.0
45°	4606.3	4637.2	4617.0	4627.1	4595.0	4454.0	4170.2	4019.8	3965.1	3909.1
47.5°	4695.0	4727.8	4759.9	4819.6	4874.4	4770.6	4460.3	4291.7	4233.8	4176.5
50°	4685.0	4718.3	4811.5	4938.6	5108.5	5073.9	4766.2	4581.1	4527.7	4462.2
52.5°	4604.4	4642.2	4761.8	4973.2	5243.8	5301.0	5077.7	4880.1	4829.7	4751.7
55°	4393.0	4415.6	4595.0	4894.5	5275.9	5459.6	5382.9	5198.5	5148.1	5039.3
57.5°	4001.0	4033.7	4294.8	4682.5	5195.3	5567.2	5650.9	5533.2	5484.8	5328.1
60°	3489.4	3541.6	3840.5	4326.3	4990.2	5566.6	5894.5	5862.4	5822.1	5612.5
62.5°	2910.4	2970.8	3258.4	3822.9	4631.5	5408.7	6046.7	6138.0	6117.2	5874.9
65°	2235.2	2276.7	2563.1	3171.6	4073.3	5069.5	6064.4	6326.1	6329.9	6074.4
67.5°	1488.2	1607.8	1856.4	2379.9	3325.7	4515.1	5909.6	6357.0	6393.5	6143.0
70°	726.2	883.5	1127.0	1546.8	2379.9	3664.9	5504.9	6104.0	6185.2	5942.9
72.5°	301.4	352.4	485.2	763.3	1366.2	2473.1	4691.9	5418.1	5568.5	5265.8
75°	203.3	220.2	277.5	391.4	622.4	1219.5	3383.6	4040.0	4282.2	3977.0
77.5°	156.7	167.4	202.0	273.7	370.0	461.3	1811.1	2434.7	2559.9	2369.9
80°	123.3	131.5	151.0	199.5	262.4	246.7	617.3	1103.1	1175.5	986.1
82.5°	107.0	110.1	108.2	135.3	174.3	144.1	202.6	407.1	449.3	326.0
85°	77.4	86.2	90.0	83.7	92.5	73.0	83.1	144.1	158.6	141.6
87.5°	31.5	46.6	57.3	54.1	34.0	20.8	25.8	42.2	48.5	52.9
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°
1328.4	0°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4
1329.0	2.5°	1329.7	1334.1	1337.2	1341.0	1343.5	1347.3	1354.8	1359.2	1359.9	1363.0
1339.1	5°	1341.6	1347.9	1354.8	1364.9	1376.2	1385.7	1400.1	1410.2	1414.0	1417.1
1363.6	7.5°	1367.4	1376.2	1388.8	1406.4	1422.8	1435.4	1453.0	1465.0	1476.9	1481.3
1402.7	10°	1405.8	1418.4	1436.6	1460.6	1478.2	1494.5	1512.8	1522.9	1534.8	1539.8
1449.2	12.5°	1453.6	1466.8	1490.8	1524.1	1540.5	1551.8	1558.1	1555.6	1558.1	1562.5
1505.2	15°	1508.4	1522.9	1549.9	1585.8	1597.1	1587.0	1573.2	1560.6	1558.7	1560.0
1573.2	17.5°	1573.2	1583.9	1615.4	1645.6	1637.4	1595.9	1565.6	1545.5	1535.4	1532.3
1660.0	20°	1663.8	1663.8	1689.6	1708.5	1653.7	1583.3	1536.1	1503.3	1482.6	1473.8
1778.3	22.5°	1773.9	1763.9	1780.2	1767.0	1650.6	1548.0	1482.6	1425.9	1394.5	1381.9
1943.8	25°	1913.6	1901.7	1897.3	1815.5	1627.9	1492.0	1385.7	1317.1	1289.4	1282.5
2182.3	27.5°	2124.4	2094.2	2037.0	1841.9	1586.4	1403.9	1272.4	1208.8	1193.1	1193.7
2488.8	30°	2405.1	2344.7	2204.4	1846.3	1518.4	1279.3	1156.6	1111.3	1103.8	1106.9
2746.2	32.5°	2665.0	2607.7	2375.5	1826.2	1414.0	1157.2	1052.8	1022.6	1011.3	1015.0
2942.5	35°	2868.9	2853.2	2534.1	1797.8	1285.6	1042.7	959.7	933.8	911.8	906.8
3127.5	37.5°	3061.4	3055.1	2653.0	1758.2	1158.5	961.5	884.8	850.8	818.7	801.1
3332.0	40°	3272.9	3266.6	2731.1	1697.2	1045.9	891.1	817.4	772.8	733.1	701.0
3563.6	42.5°	3510.7	3473.6	2768.2	1609.7	950.2	831.3	762.7	702.3	650.0	620.5
3825.4	45°	3770.6	3686.9	2767.6	1498.3	869.7	776.5	704.2	618.6	570.1	542.4
4094.1	47.5°	4046.3	3890.8	2733.6	1375.0	791.6	716.1	613.5	548.1	516.0	499.0
4386.1	50°	4330.7	4081.5	2675.7	1233.4	711.7	647.5	556.9	512.2	487.7	472.0
4675.5	52.5°	4598.1	4254.6	2605.8	1072.9	630.5	580.8	531.7	497.1	471.3	453.7
4956.2	55°	4846.7	4403.7	2507.0	908.7	564.5	536.1	519.8	490.8	461.3	440.5
5241.3	57.5°	5067.6	4500.6	2336.5	754.5	517.3	505.3	507.2	480.1	446.2	428.5
5521.9	60°	5251.3	4571.7	2084.2	611.7	478.9	475.1	487.7	460.0	420.4	400.2
5759.2	62.5°	5361.5	4570.5	1774.6	500.9	446.2	447.4	461.9	434.8	394.6	375.7
5883.1	65°	5352.0	4458.4	1434.8	428.5	414.7	416.0	434.8	407.1	373.2	361.8
5820.8	67.5°	5162.6	4185.3	1100.6	381.3	380.1	385.7	407.8	388.3	359.9	358.7
5449.6	70°	4649.7	3618.4	792.9	343.6	344.2	352.4	381.3	376.3	353.0	355.5
4581.8	72.5°	3728.5	2758.8	532.4	303.9	304.6	317.8	356.2	366.9	346.1	379.5
3250.9	75°	2483.1	1720.4	342.3	261.8	262.4	279.4	334.1	348.6	327.2	378.2
1691.5	77.5°	1193.1	773.4	247.9	220.2	220.2	236.0	288.8	312.1	278.8	293.9
543.7	80°	412.2	290.7	195.1	177.5	173.7	184.4	243.5	270.6	240.4	221.5
177.5	82.5°	162.4	151.0	156.7	137.8	125.2	132.1	189.4	223.4	176.8	159.8
100.1	85°	93.1	98.2	110.8	91.2	72.4	81.2	139.1	160.5	133.4	117.7
32.7	87.5°	25.2	34.6	51.0	47.2	32.7	34.6	66.1	88.7	76.8	59.2
0.0	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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180°
1328.4
1362.4
1416.5
1482.0
1542.4
1563.8
1564.4
1536.7
1471.9
1380.0
1283.7
1195.6
1117.6
1020.1
910.6
801.7
704.2
622.4
541.2
495.2
466.3
446.2
432.3
417.2
391.4
370.0
361.2
360.6
354.9
384.5
381.3
269.3
207.7
159.2
120.2
61.0
0.0

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