

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: P847346

Luminaire Tested: **GLAN-SB3B-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10781 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

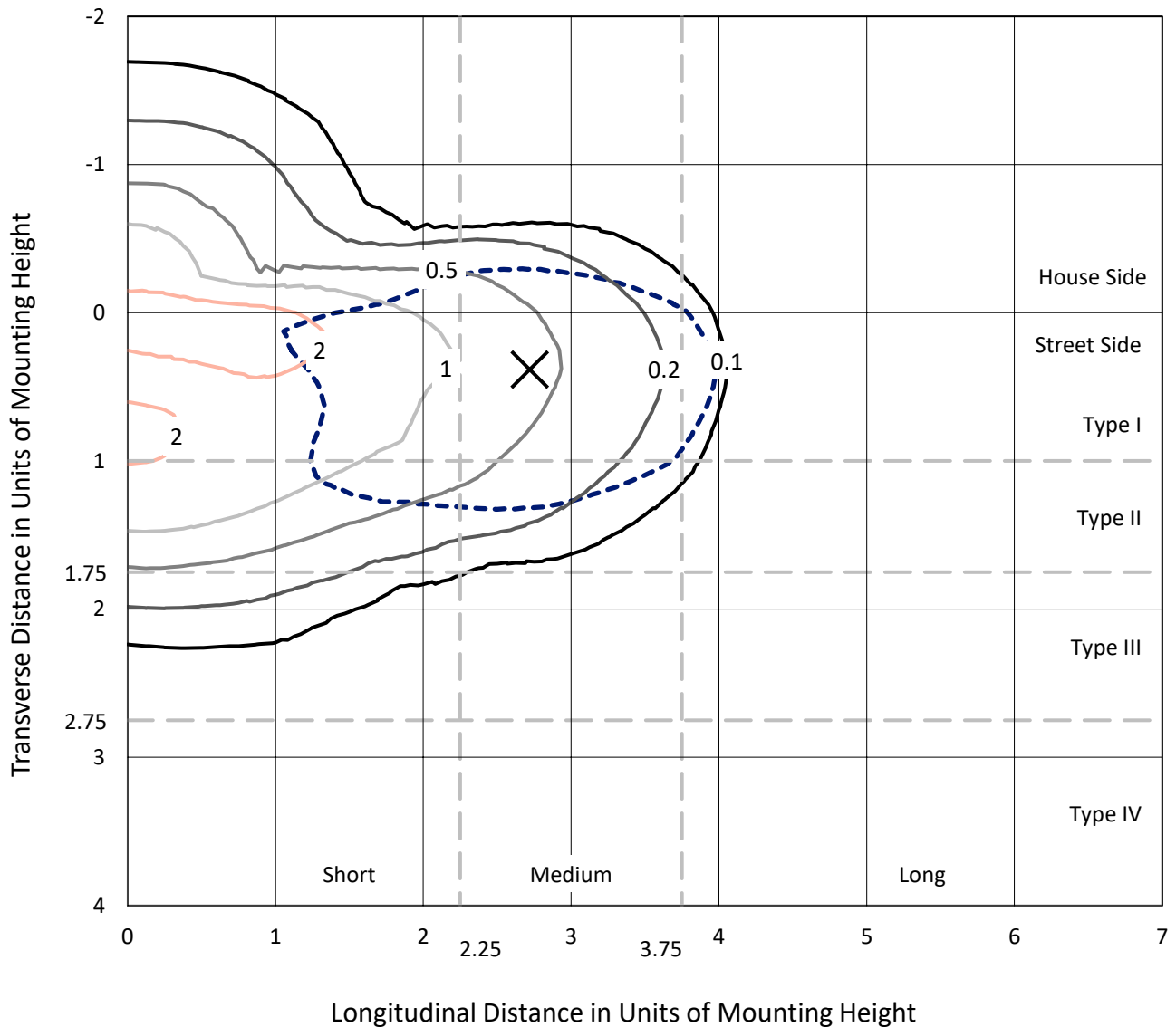
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

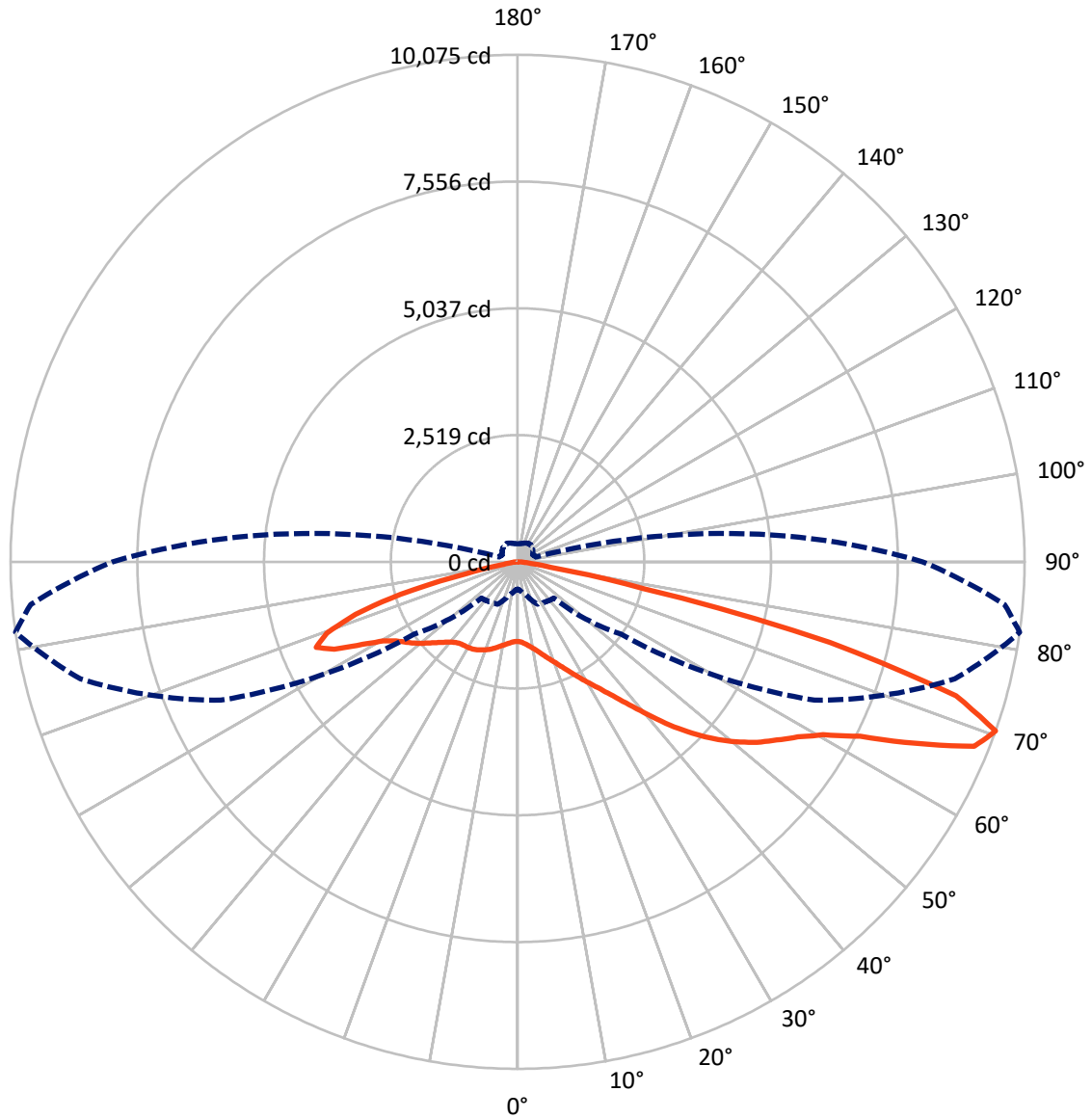
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2657.8	0.0	2657.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	8123.2	0.0	8123.2
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	10781.0	0.0	10781.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	1.4
10°-20°	428.8	4.0
20°-30°	717.3	6.7
30°-40°	1120.6	10.4
40°-50°	1784.7	16.6
50°-60°	2483.6	23.0
60°-70°	2598.0	24.1
70°-80°	1357.8	12.6
80°-90°	141.0	1.3
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°	10781.0	100.0
0°-180°	10781.0	100.0

**Coefficient of Utilization**



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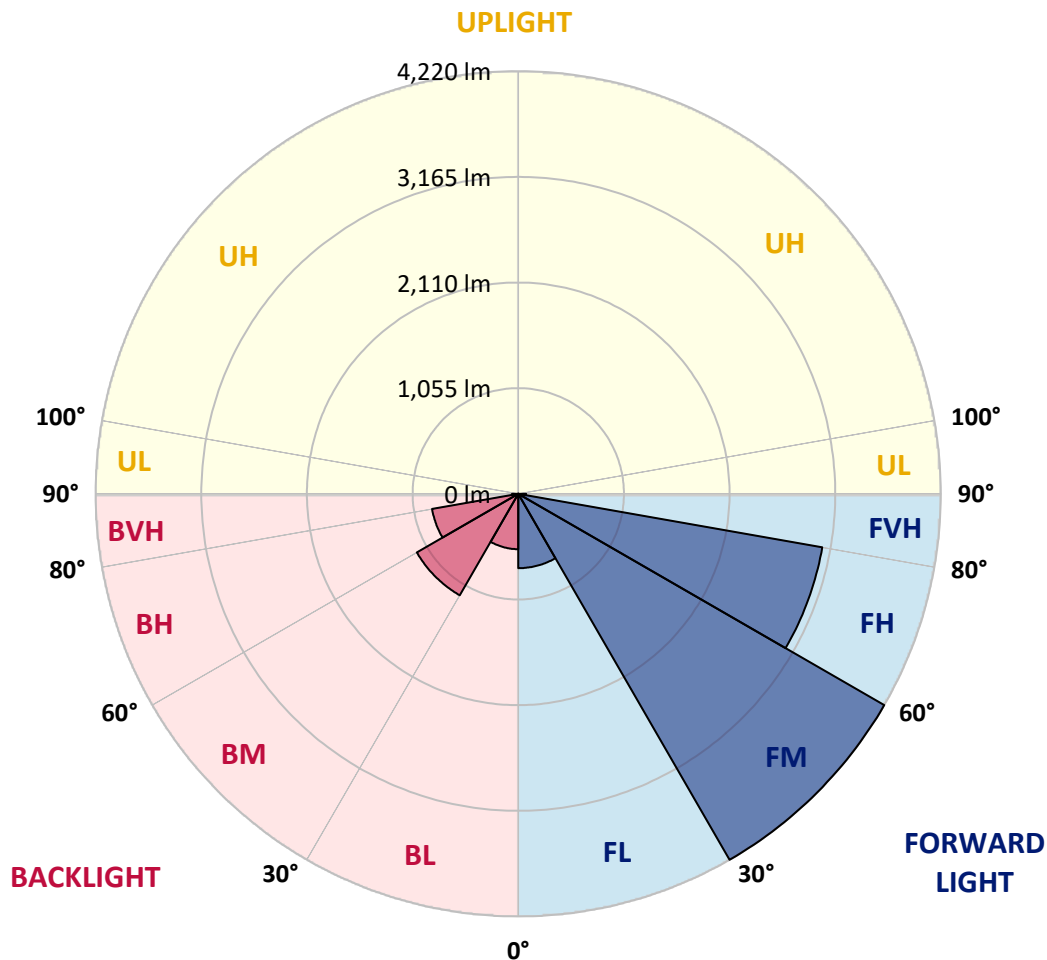
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	742.4	6.9			
FM (30°-60°)	4219.6	39.1			
FH (60°-80°)	3082.3	28.6			G2/5000
FVH (80°-90°)	78.9	0.7			G1/100
BL (0°-30°)	552.9	5.1	B2/1000		
BM (30°-60°)	1169.3	10.8	B2/2500		
BH (60°-80°)	873.5	8.1	B2/1000		G2/1000
BVH (80°-90°)	62.1	0.6			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6
2.5°	1618.4	1627.5	1624.7	1621.8	1621.8	1617.8	1617.2	1611.5	1606.9	1599.5
5°	1639.0	1648.7	1647.6	1649.8	1657.3	1659.0	1660.7	1657.3	1648.1	1639.0
7.5°	1620.7	1631.5	1635.0	1648.7	1671.6	1692.2	1707.6	1713.9	1705.3	1692.2
10°	1558.9	1570.9	1582.9	1615.5	1656.1	1704.8	1746.0	1770.6	1768.8	1756.3
12.5°	1433.6	1446.2	1471.9	1535.4	1609.8	1695.6	1772.3	1823.8	1841.5	1832.3
15°	1333.5	1344.4	1363.8	1429.0	1525.7	1656.1	1782.0	1882.1	1927.3	1922.2
17.5°	1330.6	1335.2	1347.2	1378.1	1452.5	1594.4	1771.7	1939.3	2025.7	2025.1
20°	1381.0	1382.7	1389.6	1395.9	1438.2	1547.4	1745.4	1986.8	2136.1	2136.1
22.5°	1450.8	1449.6	1456.5	1450.8	1471.4	1543.4	1728.8	2028.6	2259.1	2268.3
25°	1555.5	1549.7	1548.0	1534.9	1538.9	1580.6	1747.1	2076.0	2405.0	2423.9
27.5°	1695.0	1685.9	1679.6	1649.3	1639.0	1657.3	1803.2	2133.2	2567.5	2600.1
30°	1877.0	1860.4	1851.2	1798.6	1761.4	1764.3	1887.8	2209.3	2737.4	2790.0
32.5°	2125.2	2099.5	2074.9	1988.5	1920.4	1898.1	1997.1	2314.6	2921.6	3005.7
35°	2403.3	2382.7	2356.4	2223.1	2118.4	2066.9	2144.7	2461.6	3137.2	3270.5
37.5°	2671.0	2653.3	2665.8	2486.2	2351.2	2276.3	2338.1	2659.0	3403.2	3600.0
40°	2947.9	2934.1	2935.9	2764.2	2606.9	2522.8	2572.6	2906.7	3708.2	3991.9
42.5°	3248.8	3238.5	3204.2	3052.0	2875.2	2796.9	2842.6	3192.7	4035.4	4438.1
45°	3585.7	3579.4	3547.4	3372.9	3170.4	3082.3	3144.1	3508.5	4364.3	4858.0
47.5°	3876.9	3882.1	3878.1	3731.0	3521.1	3391.8	3465.6	3838.0	4670.4	5252.7
50°	4017.1	4044.0	4083.4	4037.7	3907.2	3775.7	3790.0	4156.1	4962.1	5622.9
52.5°	3943.9	3994.8	4102.3	4175.5	4225.9	4198.4	4160.1	4471.9	5236.7	5957.0
55°	3671.0	3742.5	3921.0	4097.7	4354.6	4554.2	4604.6	4822.0	5504.5	6251.0
57.5°	3173.8	3290.0	3450.2	3807.7	4240.2	4726.4	5122.9	5307.7	5788.2	6565.1
60°	2321.5	2477.1	2676.1	3208.2	3839.7	4634.3	5564.0	6053.6	6191.5	6971.8
62.5°	1485.7	1581.8	1764.8	2266.0	2991.9	4162.4	5699.0	6986.1	6875.1	7638.9
65°	1017.1	1078.9	1246.5	1528.0	1934.2	3098.3	5337.4	7685.2	7960.9	8696.0
67.5°	739.1	786.0	929.0	1175.6	1260.3	1833.5	4141.8	7653.2	9016.4	9785.3
70°	538.9	572.1	692.2	929.0	969.7	1020.0	2509.1	6505.6	8993.5	10074.7
72.5°	399.3	422.2	502.8	720.8	784.9	688.8	1242.0	4728.2	7728.1	9112.5
75°	288.9	306.1	365.6	551.5	628.1	524.6	619.6	2763.1	5390.6	6410.0
77.5°	220.8	234.0	272.9	403.9	502.8	393.6	384.4	1271.1	2556.0	2568.6
80°	177.3	185.9	207.1	284.3	385.6	294.6	250.6	513.1	807.8	683.6
82.5°	130.4	144.7	175.1	199.7	275.7	203.1	152.7	259.1	307.2	264.3
85°	74.4	84.1	105.8	143.0	176.2	124.1	87.5	115.0	143.0	117.3
87.5°	26.3	34.3	37.2	56.1	76.7	51.5	33.8	33.2	46.9	34.9
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°
1580.6	0°	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6	1580.6
1597.8	2.5°	1592.1	1589.2	1577.8	1562.3	1546.3	1530.9	1525.7	1514.8	1507.4	1503.4
1635.0	5°	1624.1	1615.0	1588.1	1553.7	1517.7	1478.8	1451.3	1426.2	1407.9	1390.7
1685.9	7.5°	1669.9	1653.9	1607.5	1547.4	1483.4	1418.7	1370.7	1334.1	1309.5	1293.5
1745.4	10°	1723.1	1698.5	1627.5	1537.7	1438.8	1346.1	1289.4	1258.0	1242.5	1234.0
1813.5	12.5°	1784.3	1749.4	1648.1	1515.4	1370.7	1264.8	1225.9	1216.8	1217.4	1217.9
1899.3	15°	1859.8	1811.2	1664.7	1466.8	1282.0	1202.5	1195.6	1210.5	1225.9	1233.4
1996.5	17.5°	1945.0	1876.4	1667.6	1386.7	1195.1	1162.4	1184.2	1216.2	1239.7	1250.0
2105.2	20°	2036.6	1942.7	1647.0	1273.4	1123.5	1129.8	1168.7	1209.9	1235.7	1248.8
2229.4	22.5°	2141.3	2013.7	1597.8	1154.4	1065.2	1094.4	1140.1	1180.2	1207.1	1220.2
2375.2	25°	2260.8	2093.2	1520.6	1054.3	1014.9	1054.3	1100.1	1133.3	1155.0	1167.0
2538.3	27.5°	2393.5	2176.2	1417.6	974.8	970.8	1013.1	1050.9	1076.6	1088.1	1097.2
2711.6	30°	2526.8	2251.7	1292.9	914.7	932.5	972.5	999.4	1010.8	1014.3	1016.0
2905.0	32.5°	2671.0	2316.9	1161.9	865.0	895.9	933.0	949.1	954.2	938.2	927.3
3139.5	35°	2845.5	2386.7	1033.7	825.5	859.8	891.9	897.0	892.4	873.6	851.2
3433.6	37.5°	3061.1	2473.6	931.3	797.5	826.1	847.2	840.9	839.8	841.5	815.2
3787.1	40°	3325.4	2586.9	856.4	775.7	798.6	803.2	785.5	795.2	803.8	763.7
4175.0	42.5°	3618.9	2723.6	808.9	760.9	775.7	764.9	737.4	748.3	747.1	694.5
4564.5	45°	3918.1	2872.4	792.3	750.0	754.6	732.8	702.5	705.4	681.3	633.9
4938.1	47.5°	4215.6	3032.0	802.6	740.8	728.2	703.6	680.2	667.6	632.1	596.7
5296.2	50°	4507.3	3199.6	840.4	722.5	692.2	677.9	660.7	638.4	600.7	570.4
5634.9	52.5°	4777.9	3368.3	882.7	692.2	647.0	655.6	644.7	619.0	581.8	550.9
5955.2	55°	5034.2	3537.1	899.3	650.4	604.7	636.1	629.8	582.4	537.7	512.6
6290.5	57.5°	5313.4	3740.2	881.0	597.2	570.4	613.8	589.8	537.2	511.4	492.6
6727.0	60°	5700.1	4058.8	841.5	531.5	537.7	580.7	539.5	517.7	489.7	468.5
7381.4	62.5°	6342.5	4653.2	778.0	466.2	499.4	531.5	515.4	493.7	465.1	444.5
8500.4	65°	7292.2	5479.3	658.5	415.3	456.5	483.4	489.7	468.0	438.2	416.5
9480.9	67.5°	8093.1	5997.6	498.3	373.0	412.5	444.5	462.2	441.1	409.6	388.4
9710.3	70°	8049.0	5621.2	380.4	331.2	373.6	406.2	429.1	412.5	378.7	358.7
8820.2	72.5°	7149.2	4702.4	307.8	288.9	334.1	366.1	393.6	381.0	346.7	327.2
6461.5	75°	5252.2	3338.0	246.0	246.0	284.9	324.4	354.7	346.7	315.2	301.5
2712.8	77.5°	2213.9	1400.4	192.8	204.2	236.8	278.6	316.4	319.2	291.8	308.9
717.4	80°	588.7	386.1	147.0	160.8	185.9	230.0	275.2	274.0	244.3	228.3
266.6	82.5°	224.3	152.2	104.7	113.3	134.4	176.2	218.0	224.8	195.1	168.8
104.7	85°	86.4	65.2	64.6	68.1	78.4	116.7	164.8	170.5	147.0	124.7
29.2	87.5°	22.3	19.5	24.0	22.9	36.0	62.4	94.4	97.8	89.8	52.1
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°
1580.6
1508.0
1397.6
1296.9
1236.2
1219.1
1232.8
1252.3
1252.3
1223.7
1170.5
1100.7
1020.0
930.8
852.4
816.9
764.9
693.9
635.6
596.7
568.1
551.5
510.3
490.8
467.4
444.5
417.6
389.0
360.4
327.2
297.5
280.3
212.2
168.8
128.7
74.4
0.0

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