

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: P847146

Luminaire Tested: **GLAN-SB3A-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847146
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-SB3A-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11042 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

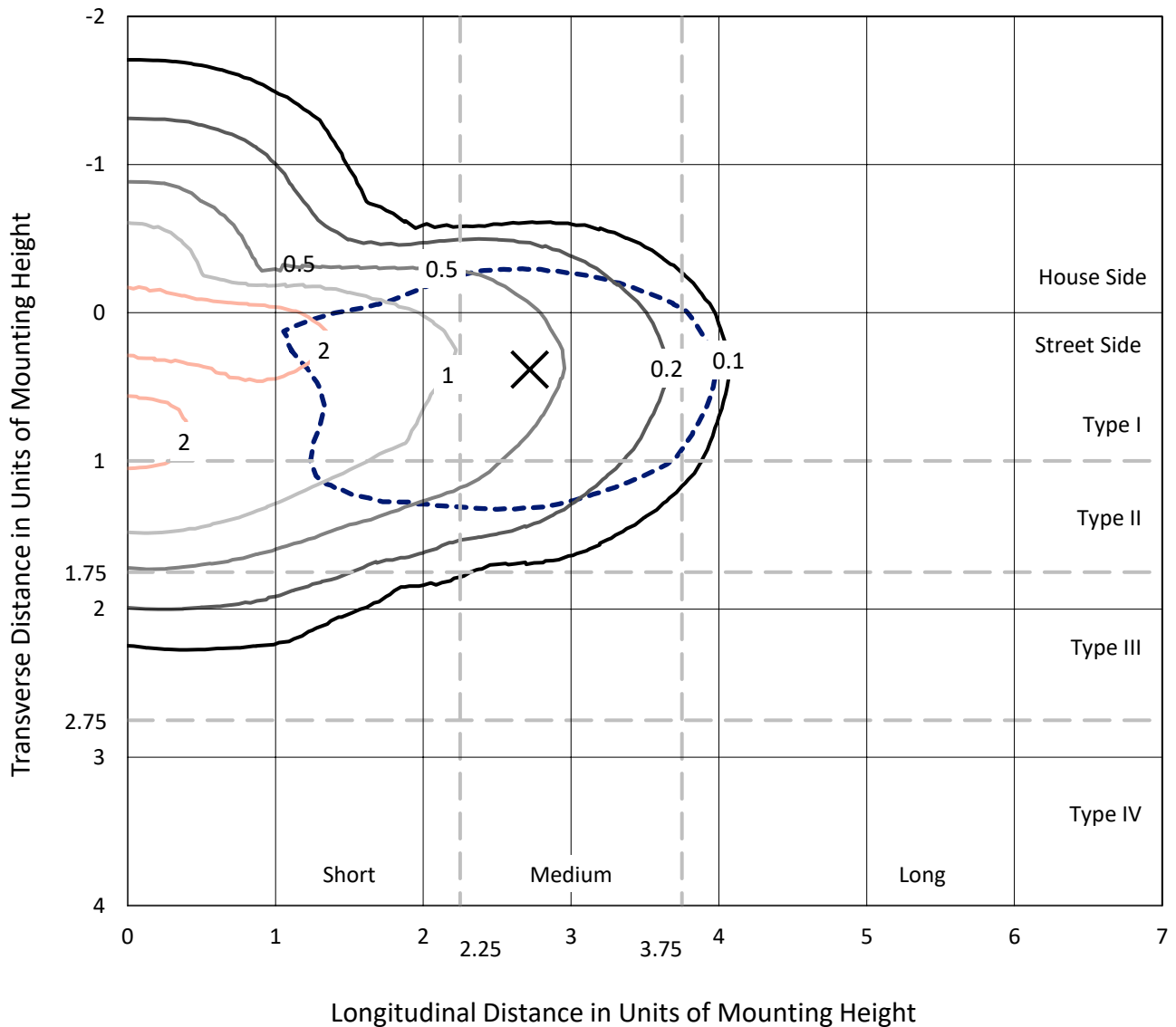
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

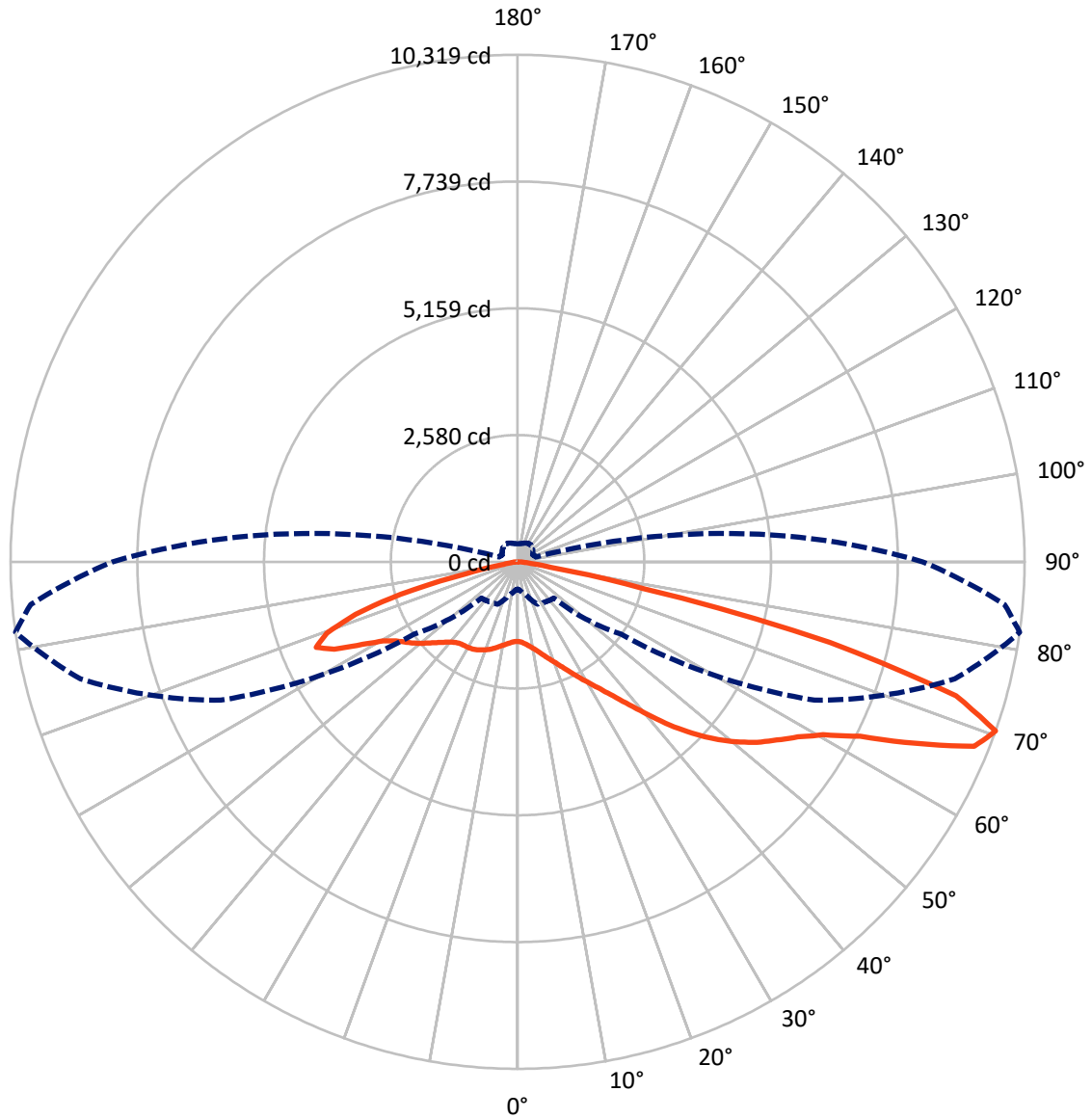
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	2722.1	0.0	2722.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8319.9	0.0	8319.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	11042.0	0.0	11042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.9	1.4
10°-20°	439.2	4.0
20°-30°	734.7	6.7
30°-40°	1147.7	10.4
40°-50°	1827.9	16.6
50°-60°	2543.7	23.0
60°-70°	2660.9	24.1
70°-80°	1390.7	12.6
80°-90°	144.4	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°	11042.0	100.0
0°-180°	11042.0	100.0

Coefficient of Utilization

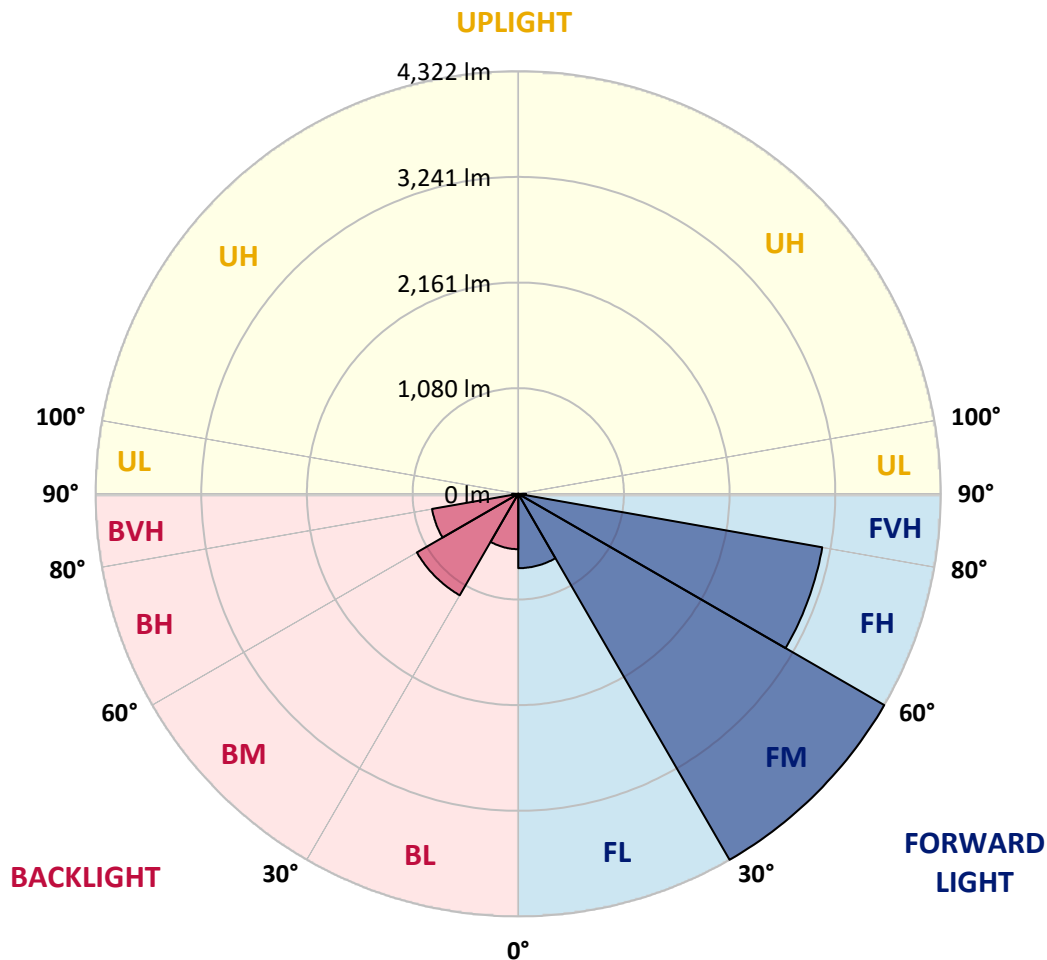


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.4	6.9			
FM (30°-60°)	4321.7	39.1			
FH (60°-80°)	3156.9	28.6			G2/5000
FVH (80°-90°)	80.8	0.7			G1/100
BL (0°-30°)	566.3	5.1	B2/1000		
BM (30°-60°)	1197.6	10.8	B2/2500		
BH (60°-80°)	894.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	63.6	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°	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9
2.5°	1657.6	1666.9	1664.0	1661.1	1661.1	1657.0	1656.4	1650.5	1645.8	1638.2
5°	1678.7	1688.6	1687.4	1689.8	1697.4	1699.2	1700.9	1697.4	1688.0	1678.7
7.5°	1659.9	1671.0	1674.6	1688.6	1712.1	1733.1	1749.0	1755.4	1746.6	1733.1
10°	1596.6	1608.9	1621.2	1654.6	1696.2	1746.0	1788.2	1813.4	1811.7	1798.8
12.5°	1468.3	1481.2	1507.6	1572.6	1648.8	1736.7	1815.2	1867.9	1886.1	1876.7
15°	1365.8	1376.9	1396.8	1463.6	1562.6	1696.2	1825.1	1927.7	1974.0	1968.7
17.5°	1362.8	1367.5	1379.8	1411.5	1487.6	1633.0	1814.6	1986.3	2074.7	2074.2
20°	1414.4	1416.2	1423.2	1429.6	1473.0	1584.9	1787.6	2034.9	2187.8	2187.8
22.5°	1485.9	1484.7	1491.8	1485.9	1507.0	1580.8	1770.6	2077.7	2313.8	2323.2
25°	1593.1	1587.3	1585.5	1572.0	1576.1	1618.9	1789.4	2126.3	2463.2	2482.5
27.5°	1736.1	1726.7	1720.3	1689.2	1678.7	1697.4	1846.8	2184.9	2629.6	2663.0
30°	1922.4	1905.4	1896.0	1842.1	1804.0	1807.0	1933.5	2262.8	2803.6	2857.5
32.5°	2176.7	2150.3	2125.1	2036.7	1966.9	1944.1	2045.4	2370.6	2992.3	3078.4
35°	2461.4	2440.4	2413.4	2276.9	2169.7	2116.9	2196.6	2521.2	3213.2	3349.7
37.5°	2735.7	2717.5	2730.4	2546.4	2408.1	2331.4	2394.7	2723.4	3485.6	3687.2
40°	3019.2	3005.2	3006.9	2831.2	2670.0	2583.9	2634.9	2977.1	3797.9	4088.5
42.5°	3327.4	3316.9	3281.7	3125.9	2944.8	2864.6	2911.4	3270.0	4133.1	4545.6
45°	3672.5	3666.1	3633.3	3454.6	3247.2	3156.9	3220.2	3593.4	4470.0	4975.6
47.5°	3970.8	3976.0	3971.9	3821.4	3606.3	3473.9	3549.5	3930.9	4783.4	5379.9
50°	4114.3	4141.9	4182.3	4135.4	4001.8	3867.1	3881.7	4256.7	5082.3	5759.0
52.5°	4039.3	4091.5	4201.6	4276.6	4328.2	4300.1	4260.8	4580.1	5363.5	6101.2
55°	3759.8	3833.1	4015.9	4196.9	4460.0	4664.5	4716.1	4938.7	5637.7	6402.3
57.5°	3250.7	3369.6	3533.7	3899.9	4342.8	4840.9	5246.9	5436.2	5928.3	6724.0
60°	2377.7	2537.0	2740.9	3285.8	3932.7	4746.5	5698.7	6200.2	6341.4	7140.6
62.5°	1521.6	1620.1	1807.6	2320.8	3064.4	4263.1	5836.9	7155.2	7041.6	7823.8
65°	1041.8	1105.0	1276.7	1565.0	1981.0	3173.3	5466.6	7871.2	8153.7	8906.6
67.5°	757.0	805.1	951.5	1204.1	1290.8	1877.9	4242.1	7838.4	9234.7	10022.2
70°	551.9	585.9	709.0	951.5	993.1	1044.7	2569.8	6663.1	9211.2	10318.6
72.5°	409.0	432.4	515.0	738.3	803.9	705.4	1272.0	4842.6	7915.2	9333.1
75°	295.9	313.5	374.4	564.8	643.3	537.3	634.6	2830.0	5521.1	6565.2
77.5°	226.2	239.6	279.5	413.7	515.0	403.1	393.7	1301.9	2617.9	2630.8
80°	181.6	190.4	212.1	291.2	394.9	301.7	256.6	525.6	827.3	700.2
82.5°	133.6	148.2	179.3	204.5	282.4	208.0	156.4	265.4	314.6	270.7
85°	76.2	86.1	108.4	146.5	180.5	127.1	89.6	117.8	146.5	120.1
87.5°	27.0	35.2	38.1	57.4	78.5	52.7	34.6	34.0	48.0	35.7
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°
1618.9	0°	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9	1618.9
1636.5	2.5°	1630.6	1627.7	1616.0	1600.1	1583.7	1567.9	1562.6	1551.5	1543.9	1539.8
1674.6	5°	1663.4	1654.1	1626.5	1591.4	1554.4	1514.6	1486.5	1460.7	1441.9	1424.4
1726.7	7.5°	1710.3	1693.9	1646.4	1584.9	1519.3	1453.1	1403.9	1366.4	1341.2	1324.8
1787.6	10°	1764.8	1739.6	1666.9	1575.0	1473.6	1378.7	1320.7	1288.4	1272.6	1263.8
1857.4	12.5°	1827.5	1791.7	1688.0	1552.1	1403.9	1295.5	1255.6	1246.3	1246.8	1247.4
1945.3	15°	1904.8	1855.0	1705.0	1502.3	1313.0	1231.6	1224.6	1239.8	1255.6	1263.2
2044.9	17.5°	1992.1	1921.8	1708.0	1420.3	1224.0	1190.6	1212.9	1245.7	1269.7	1280.2
2156.2	20°	2085.9	1989.8	1686.9	1304.3	1150.7	1157.2	1197.0	1239.2	1265.6	1279.1
2283.3	22.5°	2193.1	2062.4	1636.5	1182.4	1091.0	1120.9	1167.7	1208.8	1236.3	1249.8
2432.7	25°	2315.6	2143.9	1557.4	1079.8	1039.4	1079.8	1126.7	1160.7	1183.0	1195.3
2599.7	27.5°	2451.5	2228.8	1451.9	998.4	994.3	1037.7	1076.3	1102.7	1114.4	1123.8
2777.3	30°	2588.0	2306.2	1324.2	936.9	955.0	996.1	1023.6	1035.3	1038.8	1040.6
2975.3	32.5°	2735.7	2373.0	1190.0	885.9	917.5	955.6	972.0	977.3	960.9	949.8
3215.5	35°	2914.4	2444.5	1058.8	845.5	880.6	913.4	918.7	914.0	894.7	871.8
3516.7	37.5°	3135.3	2533.5	953.9	816.8	846.1	867.7	861.3	860.1	861.9	834.9
3878.8	40°	3405.9	2649.5	877.1	794.5	817.9	822.6	804.5	814.4	823.2	782.2
4276.0	42.5°	3706.5	2789.6	828.5	779.3	794.5	783.4	755.3	766.4	765.2	711.3
4675.1	45°	4013.0	2941.9	811.5	768.1	772.8	750.6	719.5	722.4	697.8	649.2
5057.7	47.5°	4317.6	3105.4	822.0	758.8	745.9	720.7	696.7	683.8	647.4	611.1
5424.4	50°	4616.5	3277.0	860.7	740.0	709.0	694.3	676.7	653.9	615.2	584.2
5771.3	52.5°	4893.6	3449.9	904.1	709.0	662.7	671.5	660.3	634.0	595.9	564.2
6099.4	55°	5156.1	3622.7	921.1	666.2	619.3	651.5	645.1	596.5	550.8	525.0
6442.8	57.5°	5442.0	3830.7	902.3	611.7	584.2	628.7	604.1	550.2	523.8	504.5
6889.8	60°	5838.1	4157.1	861.9	544.3	550.8	594.7	552.5	530.3	501.5	479.9
7560.1	62.5°	6496.1	4765.9	796.9	477.5	511.5	544.3	527.9	505.6	476.4	455.3
8706.2	65°	7468.7	5611.9	674.4	425.4	467.6	495.1	501.5	479.3	448.8	426.5
9710.4	67.5°	8289.0	6142.8	510.3	382.0	422.4	455.3	473.4	451.7	419.5	397.8
9945.4	70°	8243.9	5757.2	389.6	339.2	382.6	416.0	439.4	422.4	387.9	367.4
9033.7	72.5°	7322.2	4816.3	315.2	295.9	342.2	375.0	403.1	390.2	355.1	335.1
6618.0	75°	5379.3	3418.8	251.9	251.9	291.8	332.2	363.3	355.1	322.8	308.8
2778.4	77.5°	2267.5	1434.3	197.5	209.2	242.6	285.3	324.0	326.9	298.8	316.4
734.7	80°	602.9	395.5	150.6	164.6	190.4	235.5	281.8	280.7	250.2	233.8
273.0	82.5°	229.7	155.9	107.2	116.0	137.7	180.5	223.2	230.3	199.8	172.8
107.2	85°	88.5	66.8	66.2	69.7	80.3	119.5	168.7	174.6	150.6	127.7
29.9	87.5°	22.9	19.9	24.6	23.4	36.9	63.9	96.7	100.2	92.0	53.3
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°
1618.9
1544.5
1431.4
1328.3
1266.2
1248.6
1262.7
1282.6
1282.6
1253.3
1198.8
1127.3
1044.7
953.3
873.0
836.7
783.4
710.7
651.0
611.1
581.8
564.8
522.6
502.7
478.7
455.3
427.7
398.4
369.1
335.1
304.7
287.1
217.4
172.8
131.8
76.2
0.0

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