

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: P846846

Luminaire Tested: **GLAN-SB2C-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846846
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-SB2C-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10012 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

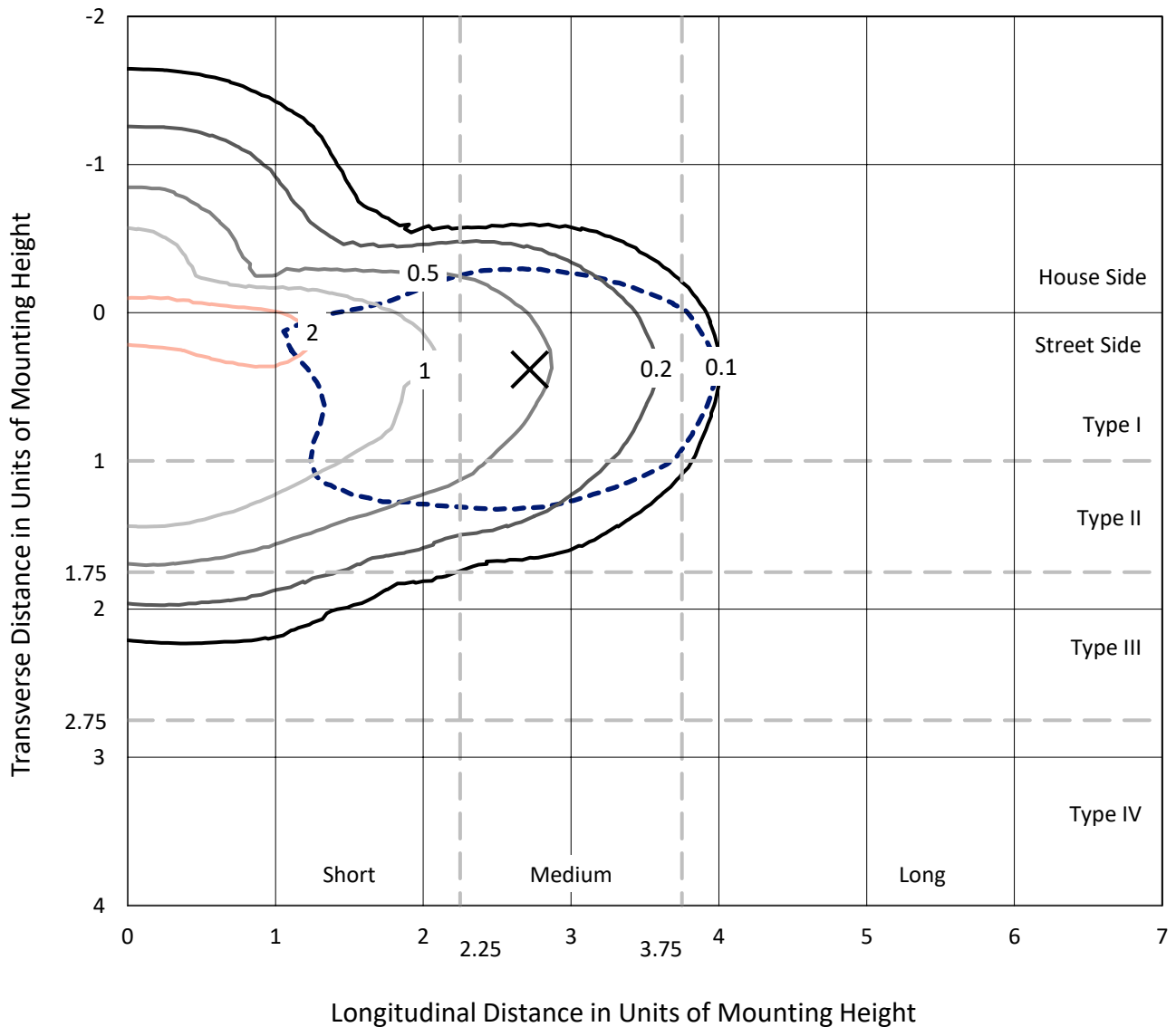
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

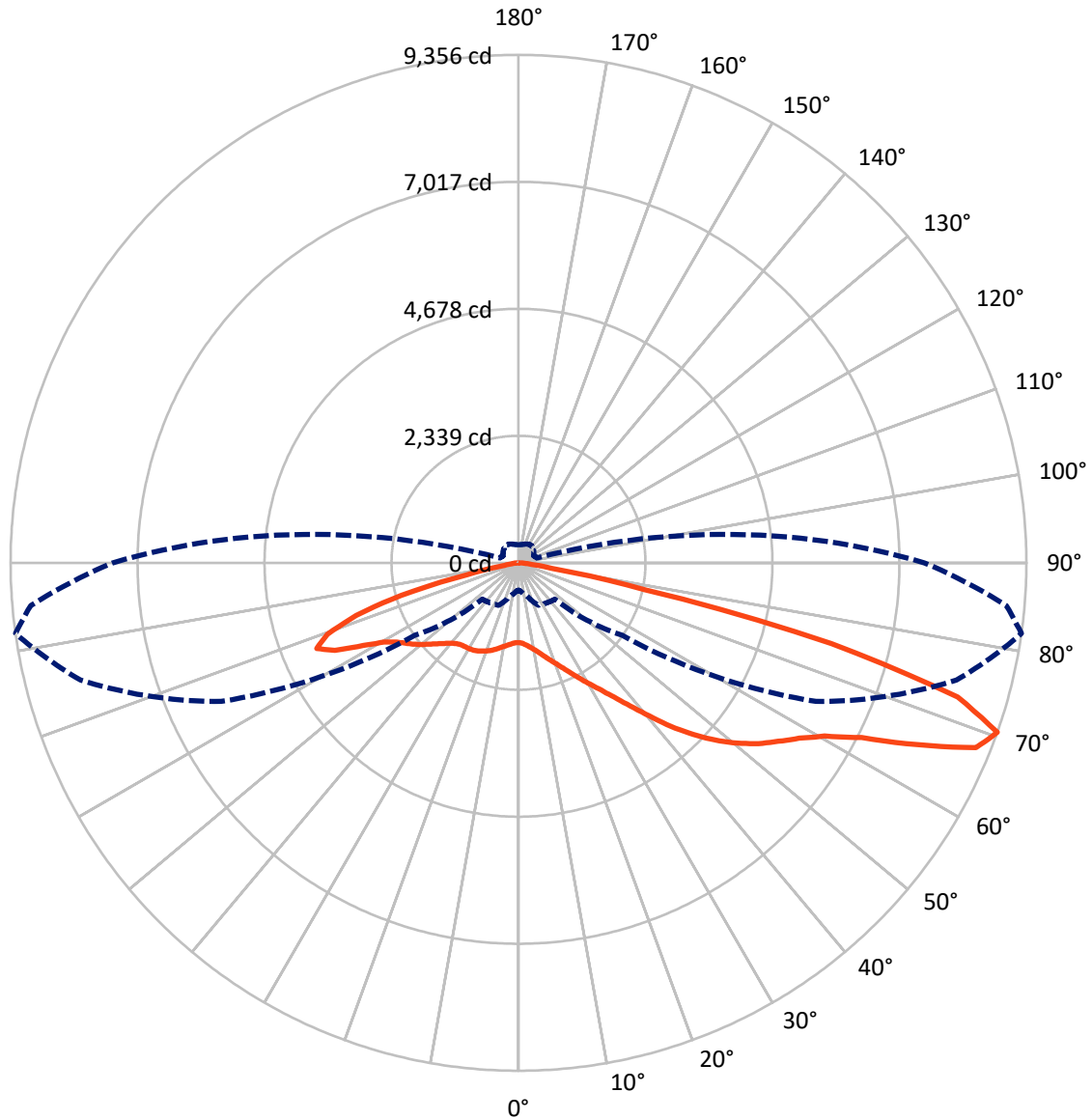
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	2468.2	0.0	2468.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	7543.8	0.0	7543.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	10012.0	0.0	10012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	1.4
10°-20°	398.2	4.0
20°-30°	666.1	6.7
30°-40°	1040.7	10.4
40°-50°	1657.4	16.6
50°-60°	2306.4	23.0
60°-70°	2412.7	24.1
70°-80°	1261.0	12.6
80°-90°	130.9	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°	10012.0	100.0
0°-180°	10012.0	100.0

Coefficient of Utilization

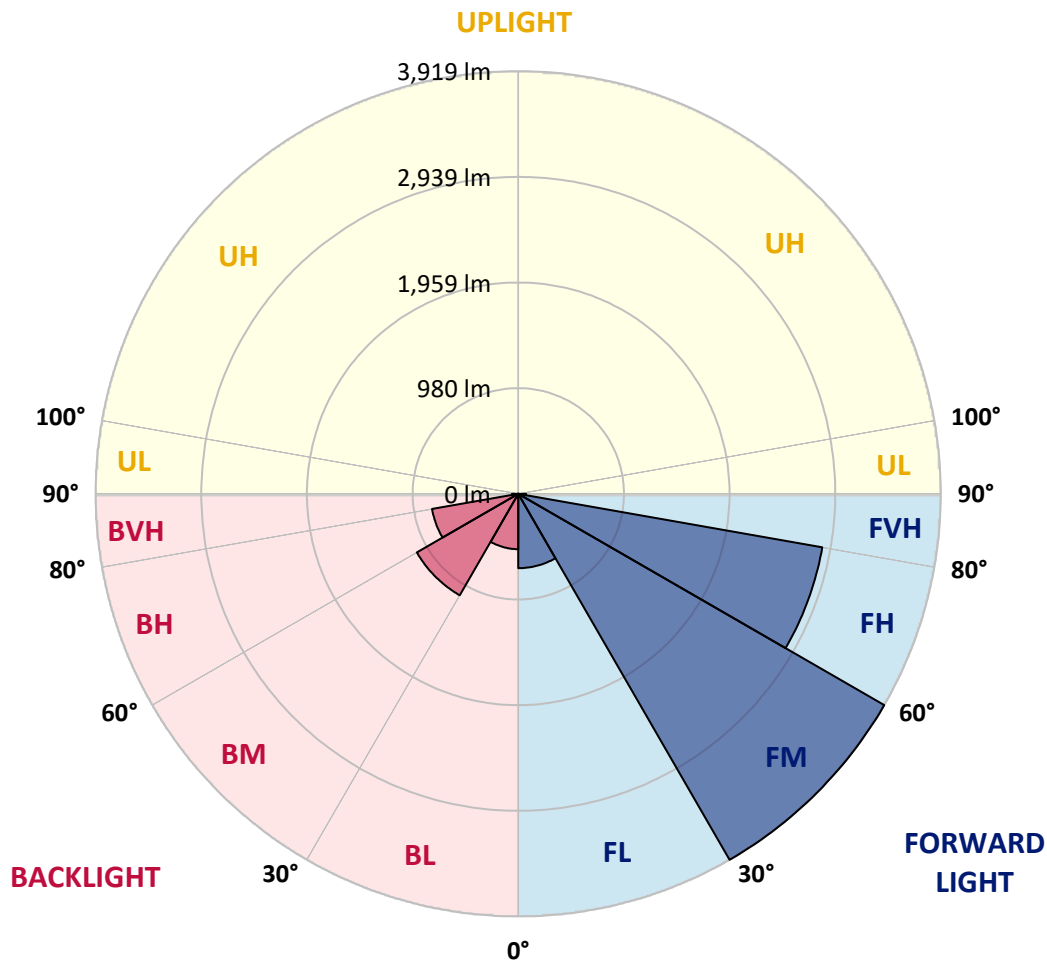


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	689.4	6.9			
FM (30°-60°)	3918.6	39.1			
FH (60°-80°)	2862.5	28.6			G2/5000
FVH (80°-90°)	73.3	0.7			G1/100
BL (0°-30°)	513.5	5.1	B2/1000		
BM (30°-60°)	1085.9	10.8	B2/2500		
BH (60°-80°)	811.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	57.6	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°	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9
2.5°	1502.9	1511.4	1508.8	1506.1	1506.1	1502.4	1501.9	1496.6	1492.3	1485.4
5°	1522.1	1531.1	1530.0	1532.2	1539.1	1540.7	1542.3	1539.1	1530.6	1522.1
7.5°	1505.1	1515.2	1518.4	1531.1	1552.4	1571.5	1585.8	1591.7	1583.7	1571.5
10°	1447.7	1458.9	1470.0	1500.3	1538.0	1583.2	1621.4	1644.3	1642.7	1631.0
12.5°	1331.3	1343.0	1366.9	1425.9	1495.0	1574.7	1645.9	1693.7	1710.1	1701.6
15°	1238.4	1248.5	1266.5	1327.1	1416.9	1538.0	1654.9	1747.9	1789.8	1785.0
17.5°	1235.7	1240.0	1251.1	1279.8	1348.9	1480.6	1645.3	1801.0	1881.2	1880.7
20°	1282.5	1284.1	1290.4	1296.3	1335.6	1437.1	1620.9	1845.1	1983.7	1983.7
22.5°	1347.3	1346.2	1352.6	1347.3	1366.4	1433.4	1605.5	1883.9	2098.0	2106.5
25°	1444.5	1439.2	1437.6	1425.4	1429.1	1467.9	1622.5	1928.0	2233.4	2251.0
27.5°	1574.1	1565.6	1559.8	1531.6	1522.1	1539.1	1674.5	1981.1	2384.3	2414.6
30°	1743.1	1727.7	1719.2	1670.3	1635.8	1638.4	1753.2	2051.7	2542.1	2591.0
32.5°	1973.6	1949.7	1926.9	1846.7	1783.5	1762.7	1854.6	2149.5	2713.2	2791.3
35°	2231.8	2212.7	2188.3	2064.5	1967.3	1919.5	1991.7	2286.0	2913.5	3037.2
37.5°	2480.5	2464.0	2475.7	2308.9	2183.5	2113.9	2171.3	2469.3	3160.5	3343.2
40°	2737.6	2724.9	2726.5	2567.1	2421.0	2342.9	2389.1	2699.4	3443.7	3707.2
42.5°	3017.1	3007.5	2975.6	2834.3	2670.1	2597.4	2639.9	2965.0	3747.5	4121.6
45°	3330.0	3324.1	3294.4	3132.3	2944.3	2862.5	2919.8	3258.2	4053.0	4511.5
47.5°	3600.4	3605.2	3601.4	3464.9	3269.9	3149.9	3218.4	3564.3	4337.2	4878.1
50°	3730.5	3755.5	3792.2	3749.7	3628.5	3506.3	3519.6	3859.6	4608.2	5221.8
52.5°	3662.5	3709.8	3809.7	3877.7	3924.5	3899.0	3863.4	4152.9	4863.2	5532.1
55°	3409.1	3475.5	3641.3	3805.4	4044.0	4229.4	4276.1	4478.0	5111.8	5805.1
57.5°	2947.5	3055.3	3204.1	3536.1	3937.7	4389.3	4757.5	4929.1	5375.3	6096.8
60°	2155.9	2300.4	2485.3	2979.3	3565.8	4303.8	5167.1	5621.8	5749.9	6474.5
62.5°	1379.7	1468.9	1639.0	2104.3	2778.5	3865.5	5292.5	6487.8	6384.7	7094.0
65°	944.6	1002.0	1157.6	1419.0	1796.2	2877.3	4956.7	7137.0	7393.1	8075.8
67.5°	686.4	730.0	862.8	1091.7	1170.4	1702.7	3846.4	7107.3	8373.3	9087.3
70°	500.5	531.3	642.8	862.8	900.5	947.2	2330.1	6041.5	8352.0	9356.1
72.5°	370.8	392.1	467.0	669.4	728.9	639.6	1153.4	4390.9	7176.9	8462.5
75°	268.3	284.2	339.5	512.1	583.3	487.2	575.4	2566.0	5006.1	5952.8
77.5°	205.1	217.3	253.4	375.1	467.0	365.5	357.0	1180.5	2373.7	2385.4
80°	164.7	172.7	192.3	264.0	358.1	273.6	232.7	476.5	750.1	634.9
82.5°	121.1	134.4	162.6	185.4	256.1	188.6	141.8	240.7	285.3	245.4
85°	69.1	78.1	98.3	132.8	163.6	115.3	81.3	106.8	132.8	108.9
87.5°	24.4	31.9	34.5	52.1	71.2	47.8	31.3	30.8	43.6	32.4
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°
1467.9	0°	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9	1467.9
1483.8	2.5°	1478.5	1475.9	1465.2	1450.9	1436.0	1421.7	1416.9	1406.8	1399.9	1396.2
1518.4	5°	1508.3	1499.8	1474.8	1442.9	1409.4	1373.3	1347.8	1324.4	1307.4	1291.5
1565.6	7.5°	1550.8	1535.9	1492.9	1437.1	1377.6	1317.5	1272.9	1238.9	1216.1	1201.2
1620.9	10°	1600.2	1577.3	1511.4	1428.0	1336.1	1250.1	1197.5	1168.3	1153.9	1145.9
1684.1	12.5°	1657.0	1624.6	1530.6	1407.3	1272.9	1174.6	1138.5	1130.0	1130.5	1131.1
1763.8	15°	1727.1	1682.0	1546.0	1362.2	1190.6	1116.7	1110.3	1124.2	1138.5	1145.4
1854.1	17.5°	1806.3	1742.5	1548.6	1287.8	1109.8	1079.5	1099.7	1129.5	1151.3	1160.8
1955.1	20°	1891.3	1804.2	1529.5	1182.6	1043.4	1049.2	1085.4	1123.6	1147.5	1159.8
2070.3	22.5°	1988.5	1870.1	1483.8	1072.1	989.2	1016.3	1058.8	1096.0	1121.0	1133.2
2205.8	25°	2099.6	1943.9	1412.1	979.1	942.5	979.1	1021.6	1052.4	1072.6	1083.8
2357.2	27.5°	2222.8	2020.9	1316.5	905.3	901.6	940.9	975.9	999.8	1010.5	1019.0
2518.2	30°	2346.6	2091.1	1200.7	849.5	866.0	903.2	928.1	938.7	941.9	943.5
2697.8	32.5°	2480.5	2151.6	1079.0	803.3	832.0	866.5	881.4	886.1	871.3	861.2
2915.6	35°	2642.5	2216.4	960.0	766.6	798.5	828.2	833.0	828.8	811.2	790.5
3188.7	37.5°	2842.8	2297.2	864.9	740.6	767.1	786.8	781.0	779.9	781.5	757.1
3517.0	40°	3088.2	2402.4	795.3	720.4	741.6	745.9	729.4	738.5	746.4	709.2
3877.2	42.5°	3360.8	2529.4	751.2	706.6	720.4	710.3	684.8	694.9	693.8	645.0
4239.0	45°	3638.6	2667.5	735.8	696.5	700.7	680.6	652.4	655.0	632.7	588.6
4585.9	47.5°	3914.9	2815.7	745.4	688.0	676.3	653.5	631.7	620.0	587.0	554.1
4918.4	50°	4185.8	2971.4	780.4	671.0	642.8	629.5	613.6	592.9	557.8	529.7
5233.0	52.5°	4437.1	3128.1	819.7	642.8	600.9	608.8	598.7	574.8	540.3	511.6
5530.5	55°	4675.1	3284.8	835.1	604.0	561.5	590.8	584.9	540.8	499.4	476.0
5841.8	57.5°	4934.4	3473.4	818.1	554.6	529.7	570.0	547.7	498.9	475.0	457.4
6247.1	60°	5293.5	3769.3	781.5	493.5	499.4	539.2	501.0	480.8	454.8	435.1
6854.9	62.5°	5890.1	4321.3	722.5	433.0	463.8	493.5	478.7	458.5	431.9	412.8
7894.1	65°	6772.0	5088.5	611.5	385.7	423.9	448.9	454.8	434.6	406.9	386.8
8804.7	67.5°	7515.8	5569.8	462.7	346.4	383.0	412.8	429.3	409.6	380.4	360.7
9017.7	70°	7474.9	5220.2	353.3	307.6	346.9	377.2	398.4	383.0	351.7	333.1
8191.0	72.5°	6639.2	4367.0	285.8	268.3	310.3	340.0	365.5	353.8	321.9	303.9
6000.6	75°	4877.5	3099.9	228.4	228.4	264.6	301.2	329.4	321.9	292.7	280.0
2519.3	77.5°	2056.0	1300.5	179.0	189.7	219.9	258.7	293.8	296.4	270.9	286.9
666.2	80°	546.7	358.6	136.5	149.3	172.7	213.6	255.5	254.5	226.9	212.0
247.6	82.5°	208.3	141.3	97.2	105.2	124.8	163.6	202.4	208.8	181.2	156.7
97.2	85°	80.2	60.6	60.0	63.2	72.8	108.4	153.0	158.3	136.5	115.8
27.1	87.5°	20.7	18.1	22.3	21.3	33.5	57.9	87.7	90.8	83.4	48.3
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°
1467.9
1400.4
1297.9
1204.4
1148.1
1132.1
1144.9
1162.9
1162.9
1136.4
1087.0
1022.2
947.2
864.4
791.6
758.6
710.3
644.4
590.2
554.1
527.5
512.1
473.9
455.8
434.0
412.8
387.8
361.3
334.7
303.9
276.3
260.3
197.1
156.7
119.5
69.1
0.0

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