

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: P846788

Luminaire Tested: **GLAN-SB2C-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846788
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-SB2C-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11949 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

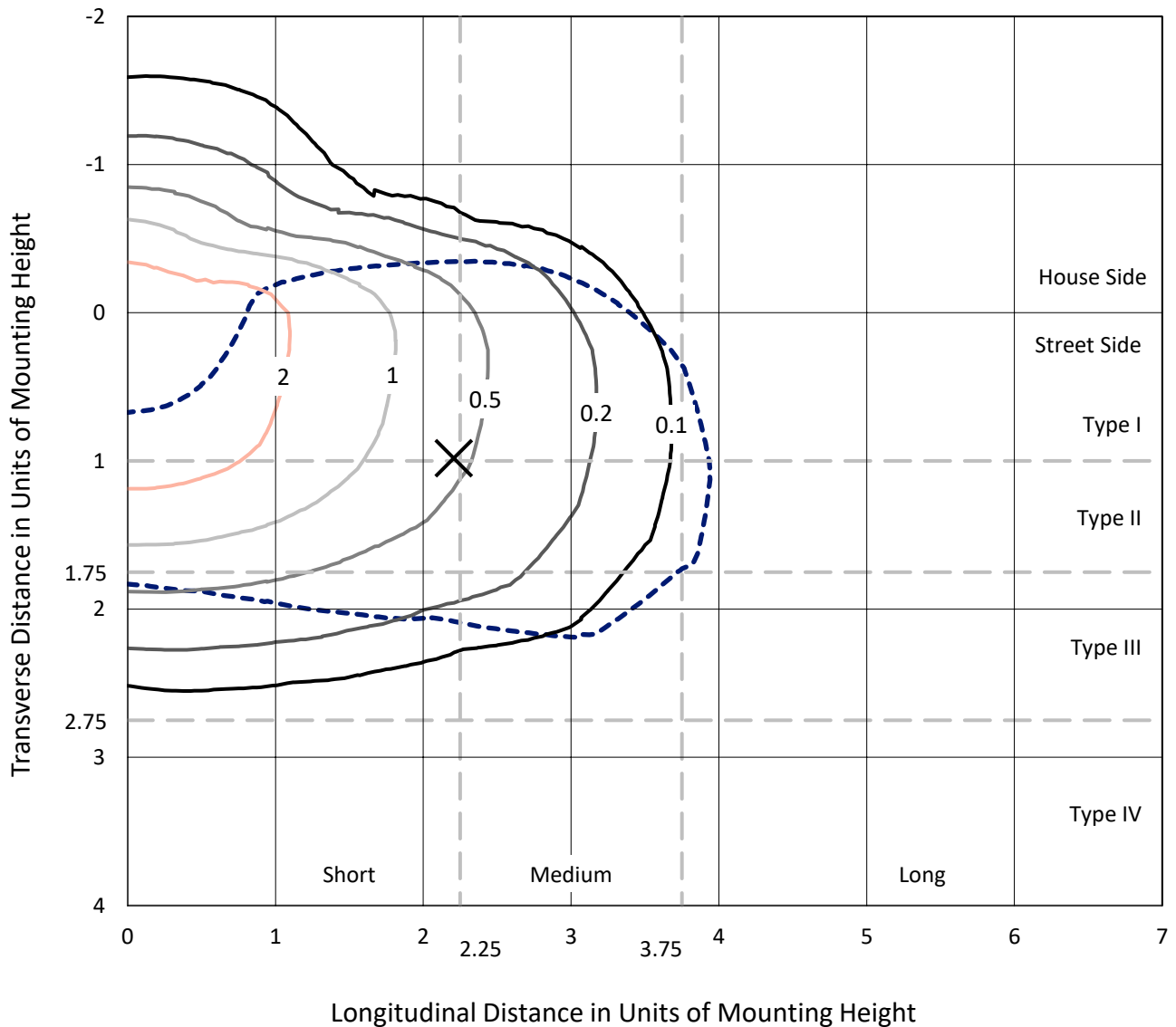
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

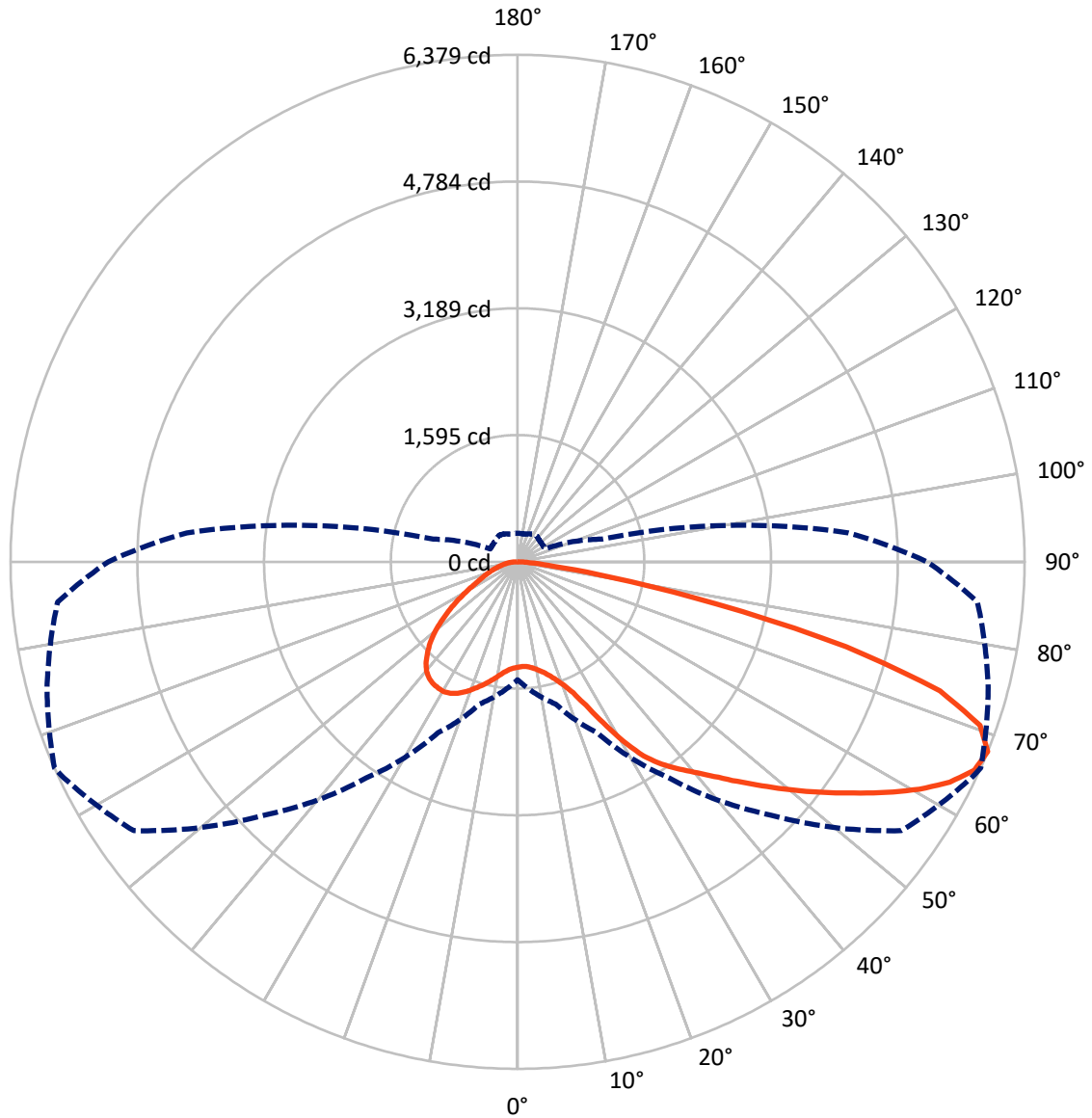
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	2971.1	0.0	2971.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8977.9	0.0	8977.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	11949.0	0.0	11949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	1.1
10°-20°	434.1	3.6
20°-30°	836.7	7.0
30°-40°	1467.1	12.3
40°-50°	2181.1	18.3
50°-60°	2764.8	23.1
60°-70°	2705.3	22.6
70°-80°	1290.4	10.8
80°-90°	137.9	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°	11949.0	100.0
0°-180°	11949.0	100.0

Coefficient of Utilization



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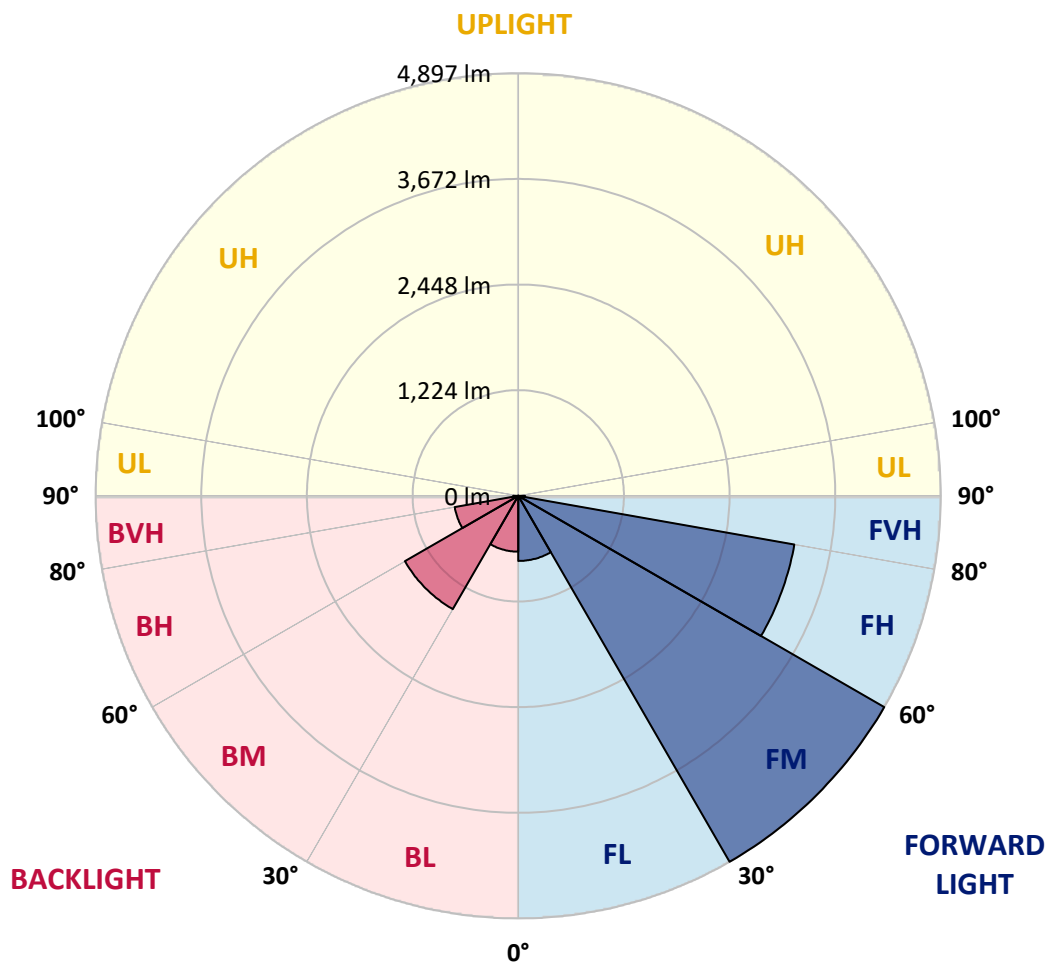
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.1	6.3			
FM (30°-60°)	4896.6	41.0			
FH (60°-80°)	3248.1	27.2			G2/5000
FVH (80°-90°)	78.2	0.7			G1/100
BL (0°-30°)	647.2	5.4	B2/1000		
BM (30°-60°)	1516.5	12.7	B2/2500		
BH (60°-80°)	747.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	59.7	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°	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3
2.5°	1311.5	1319.0	1317.1	1314.0	1313.4	1314.6	1316.5	1318.4	1317.8	1320.9
5°	1307.7	1315.3	1314.6	1314.6	1317.1	1322.2	1325.3	1328.4	1325.3	1329.1
7.5°	1310.2	1315.9	1318.4	1320.9	1327.2	1336.6	1344.1	1351.0	1347.3	1351.7
10°	1342.3	1346.6	1349.2	1349.2	1353.6	1364.2	1371.8	1384.3	1381.2	1388.1
12.5°	1400.6	1405.0	1405.0	1402.5	1405.7	1412.6	1415.1	1428.9	1423.2	1434.5
15°	1472.2	1481.0	1474.1	1469.7	1471.0	1477.9	1477.2	1487.9	1482.3	1491.7
17.5°	1551.3	1562.6	1551.3	1550.7	1548.2	1555.7	1556.3	1565.8	1555.7	1562.6
20°	1644.9	1660.6	1651.1	1654.3	1648.6	1651.8	1654.9	1668.7	1653.0	1658.0
22.5°	1776.7	1795.5	1785.5	1797.4	1793.6	1791.1	1790.5	1815.0	1790.5	1792.4
25°	1968.8	1991.4	1973.8	1990.2	1990.2	1998.3	2007.7	2039.1	1998.3	1986.4
27.5°	2252.6	2275.2	2240.6	2250.7	2247.6	2267.6	2257.6	2335.4	2291.5	2272.0
30°	2594.1	2634.3	2569.0	2566.5	2563.3	2595.4	2609.8	2661.3	2616.7	2597.2
32.5°	2963.3	3005.3	2927.5	2904.9	2892.9	2912.4	2900.5	2941.9	2911.1	2881.0
35°	3353.7	3395.2	3321.1	3277.2	3229.4	3188.6	3145.9	3156.6	3127.7	3081.9
37.5°	3722.9	3798.9	3720.4	3673.3	3585.4	3505.7	3386.4	3336.8	3309.8	3267.7
40°	4099.0	4142.3	4082.6	4042.5	3947.0	3822.1	3631.2	3526.4	3490.0	3449.2
42.5°	4375.8	4417.3	4385.2	4357.6	4282.9	4137.9	3891.2	3759.9	3707.2	3661.4
45°	4595.6	4626.3	4606.2	4616.3	4584.3	4443.6	4160.5	4010.4	3955.8	3899.9
47.5°	4684.1	4716.7	4748.7	4808.4	4863.0	4759.4	4449.9	4281.6	4223.9	4166.8
50°	4674.0	4707.3	4800.2	4927.0	5096.5	5062.0	4755.0	4570.4	4517.1	4451.8
52.5°	4593.7	4631.3	4750.6	4961.6	5231.5	5288.7	5065.8	4868.6	4818.4	4740.6
55°	4382.7	4405.3	4584.3	4883.1	5263.5	5446.9	5370.3	5186.3	5136.1	5027.5
57.5°	3991.6	4024.2	4284.8	4671.5	5183.2	5554.2	5637.7	5520.3	5472.0	5315.6
60°	3481.2	3533.3	3831.5	4316.2	4978.5	5553.6	5880.7	5848.7	5808.5	5599.4
62.5°	2903.6	2963.9	3250.8	3813.9	4620.7	5396.0	6032.6	6123.6	6102.9	5861.2
65°	2230.0	2271.4	2557.1	3164.2	4063.8	5057.6	6050.2	6311.4	6315.1	6060.2
67.5°	1484.8	1604.0	1852.0	2374.4	3318.0	4504.5	5895.7	6342.1	6378.5	6128.7
70°	724.5	881.4	1124.4	1543.2	2374.4	3656.4	5492.1	6089.7	6170.7	5929.0
72.5°	300.7	351.6	484.0	761.5	1363.0	2467.3	4680.9	5405.4	5555.5	5253.5
75°	202.8	219.7	276.9	390.5	620.9	1216.7	3375.7	4030.5	4272.2	3967.7
77.5°	156.3	167.0	201.5	273.1	369.2	460.2	1806.8	2429.0	2553.9	2364.3
80°	123.1	131.2	150.7	199.0	261.8	246.1	615.9	1100.5	1172.7	983.8
82.5°	106.7	109.9	108.0	135.0	173.9	143.8	202.2	406.2	448.3	325.2
85°	77.2	86.0	89.8	83.5	92.3	72.8	82.9	143.8	158.2	141.3
87.5°	31.4	46.5	57.1	54.0	33.9	20.7	25.7	42.1	48.3	52.7
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°
1325.3	0°	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3	1325.3
1325.9	2.5°	1326.6	1331.0	1334.1	1337.9	1340.4	1344.1	1351.7	1356.1	1356.7	1359.8
1336.0	5°	1338.5	1344.8	1351.7	1361.7	1373.0	1382.4	1396.9	1406.9	1410.7	1413.8
1360.5	7.5°	1364.2	1373.0	1385.6	1403.2	1419.5	1432.0	1449.6	1461.5	1473.5	1477.9
1399.4	10°	1402.5	1415.1	1433.3	1457.1	1474.7	1491.0	1509.2	1519.3	1531.2	1536.2
1445.8	12.5°	1450.2	1463.4	1487.3	1520.6	1536.9	1548.2	1554.5	1551.9	1554.5	1558.8
1501.7	15°	1504.9	1519.3	1546.3	1582.1	1593.4	1583.3	1569.5	1557.0	1555.1	1556.3
1569.5	17.5°	1569.5	1580.2	1611.6	1641.7	1633.6	1592.1	1562.0	1541.9	1531.9	1528.7
1656.2	20°	1659.9	1659.9	1685.7	1704.5	1649.9	1579.6	1532.5	1499.8	1479.1	1470.3
1774.2	22.5°	1769.8	1759.7	1776.1	1762.9	1646.7	1544.4	1479.1	1422.6	1391.2	1378.7
1939.3	25°	1909.2	1897.2	1892.8	1811.2	1624.1	1488.5	1382.4	1314.0	1286.4	1279.5
2177.2	27.5°	2119.5	2089.3	2032.2	1837.6	1582.7	1400.6	1269.4	1206.0	1190.3	1191.0
2483.0	30°	2399.5	2339.2	2199.2	1842.0	1514.9	1276.3	1153.9	1108.7	1101.2	1104.3
2739.8	32.5°	2658.8	2601.6	2370.0	1821.9	1410.7	1154.5	1050.3	1020.2	1008.9	1012.7
2935.6	35°	2862.2	2846.5	2528.2	1793.6	1282.6	1040.3	957.4	931.7	909.7	904.7
3120.2	37.5°	3054.3	3048.0	2646.8	1754.1	1155.8	959.3	882.7	848.8	816.8	799.2
3324.2	40°	3265.2	3258.9	2724.7	1693.2	1043.4	889.0	815.5	770.9	731.4	699.4
3555.3	42.5°	3502.5	3465.5	2761.7	1605.9	948.0	829.3	760.9	700.6	648.5	619.0
3816.4	45°	3761.8	3678.3	2761.1	1494.8	867.6	774.7	702.5	617.1	568.8	541.2
4084.5	47.5°	4036.8	3881.7	2727.2	1371.8	789.8	714.4	612.1	546.8	514.8	497.9
4375.8	50°	4320.6	4072.0	2669.4	1230.5	710.1	646.0	555.6	511.0	486.6	470.9
4664.6	52.5°	4587.4	4244.6	2599.8	1070.4	629.1	579.5	530.5	496.0	470.2	452.6
4944.6	55°	4835.4	4393.4	2501.2	906.6	563.1	534.9	518.6	489.7	460.2	439.5
5229.0	57.5°	5055.7	4490.1	2331.0	752.7	516.1	504.1	506.0	479.0	445.1	427.5
5509.0	60°	5239.1	4561.0	2079.3	610.2	477.8	474.0	486.6	458.9	419.4	399.3
5745.7	62.5°	5348.9	4559.8	1770.4	499.7	445.1	446.4	460.8	433.8	393.6	374.8
5869.4	65°	5339.5	4448.0	1431.4	427.5	413.7	415.0	433.8	406.2	372.3	361.0
5807.2	67.5°	5150.5	4175.5	1098.0	380.5	379.2	384.8	406.8	387.4	359.1	357.9
5436.8	70°	4638.9	3609.9	791.0	342.8	343.4	351.6	380.5	375.4	352.2	354.7
4571.1	72.5°	3719.8	2752.3	531.1	303.2	303.9	317.0	355.3	366.0	345.3	378.6
3243.3	75°	2477.3	1716.4	341.5	261.2	261.8	278.7	333.4	347.8	326.5	377.3
1687.5	77.5°	1190.3	771.6	247.4	219.7	219.7	235.4	288.2	311.4	278.1	293.2
542.4	80°	411.2	290.0	194.6	177.0	173.3	183.9	243.0	270.0	239.8	221.0
177.0	82.5°	162.0	150.7	156.3	137.5	124.9	131.8	189.0	222.9	176.4	159.5
99.8	85°	92.9	97.9	110.5	91.0	72.2	81.0	138.7	160.1	133.1	117.4
32.6	87.5°	25.1	34.5	50.9	47.1	32.6	34.5	65.9	88.5	76.6	59.0
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°
1325.3
1359.2
1413.2
1478.5
1538.8
1560.1
1560.7
1533.1
1468.4
1376.8
1280.7
1192.8
1115.0
1017.7
908.4
799.8
702.5
620.9
539.9
494.1
465.2
445.1
431.3
416.2
390.5
369.2
360.4
359.7
354.1
383.6
380.5
268.7
207.2
158.8
119.9
60.9
0.0

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