

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: P847298

Luminaire Tested: **GLAN-SB3B-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847298
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-SB3B-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13480 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

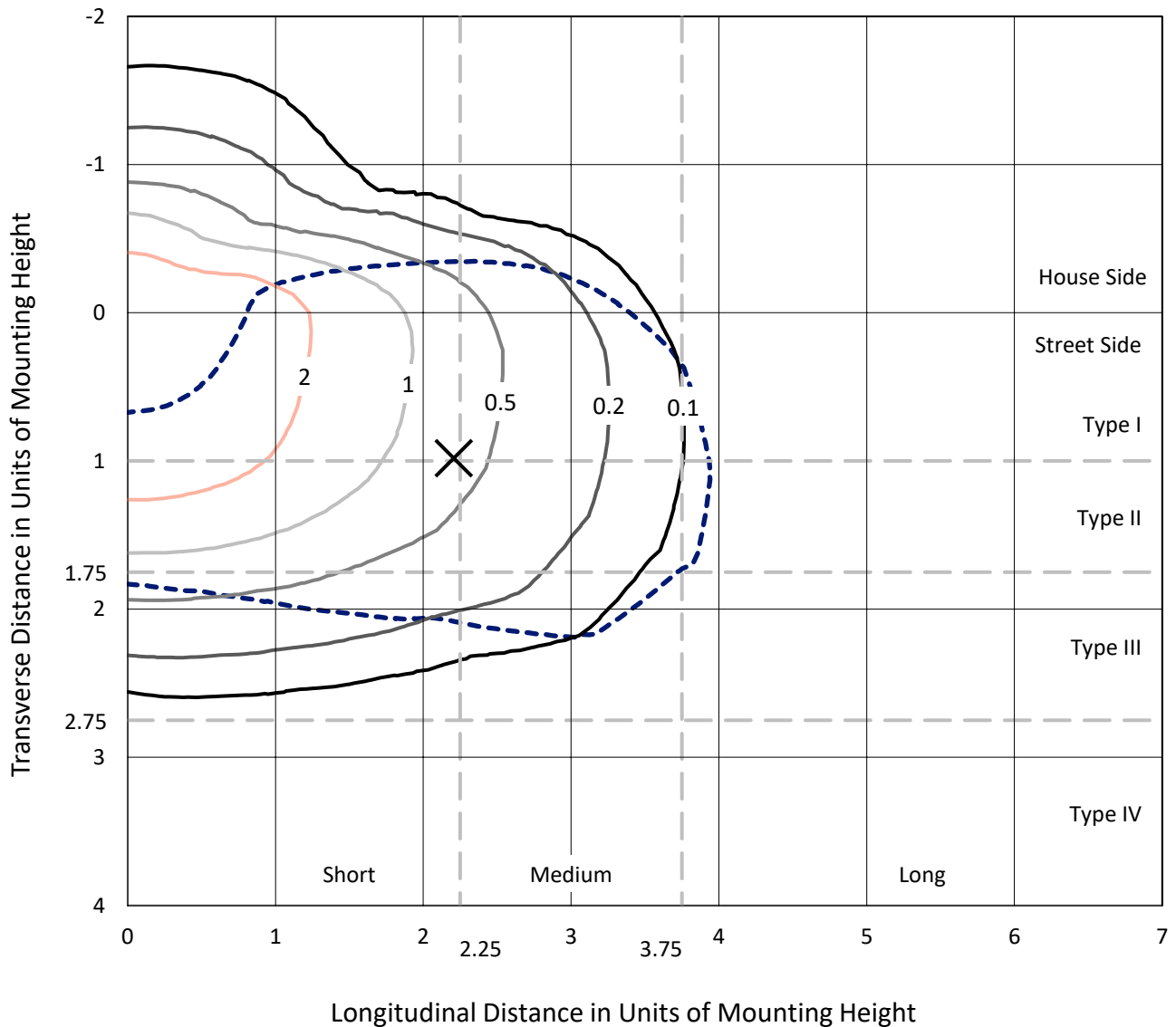
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

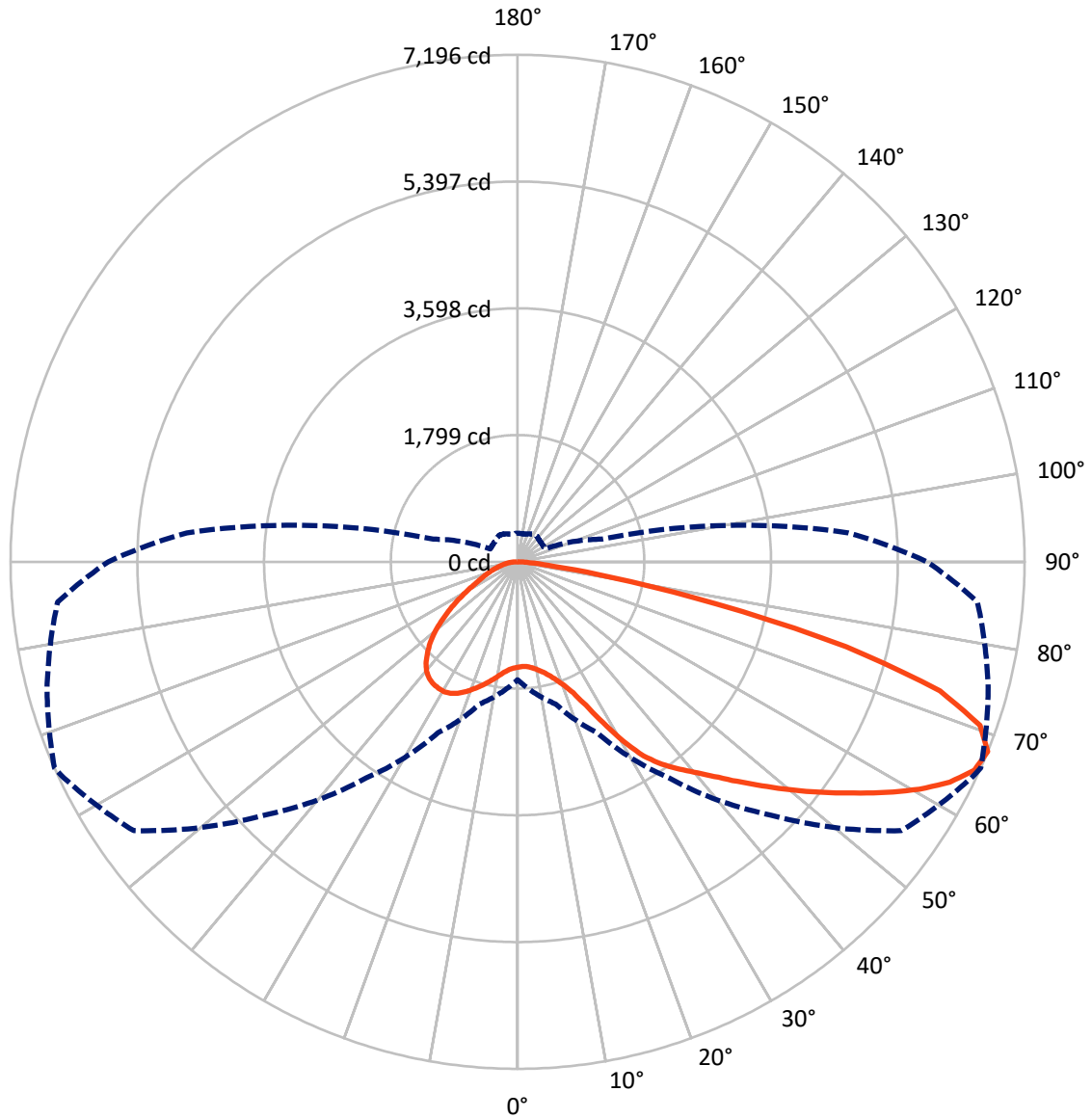
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	3351.8	0.0	3351.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10128.2	0.0	10128.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	13480.0	0.0	13480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	1.1
10°-20°	489.7	3.6
20°-30°	944.0	7.0
30°-40°	1655.1	12.3
40°-50°	2460.6	18.3
50°-60°	3119.1	23.1
60°-70°	3051.9	22.6
70°-80°	1455.8	10.8
80°-90°	155.6	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°	13480.0	100.0
0°-180°	13480.0	100.0

Coefficient of Utilization



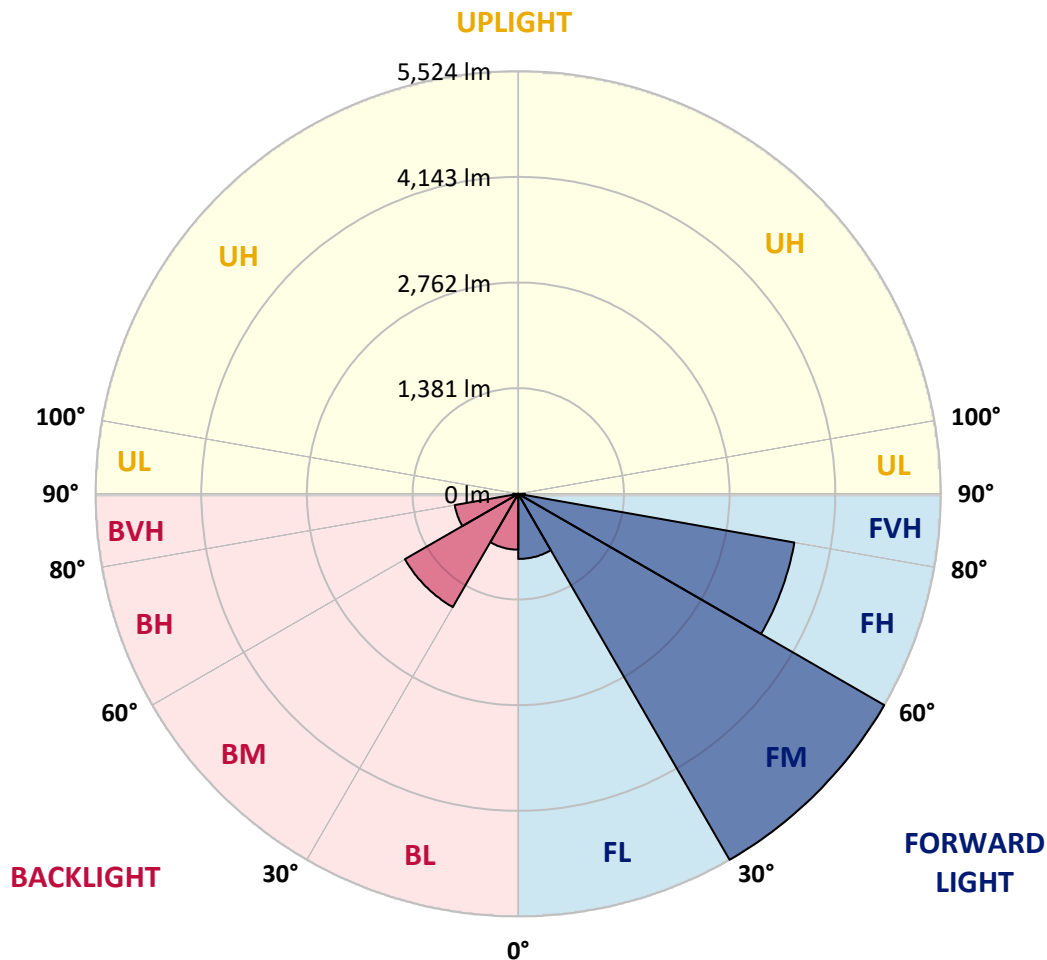
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	851.8	6.3			
FM (30°-60°)	5524.0	41.0			
FH (60°-80°)	3664.2	27.2			G2/5000
FVH (80°-90°)	88.2	0.7			G1/100
BL (0°-30°)	730.1	5.4	B2/1000		
BM (30°-60°)	1710.8	12.7	B2/2500		
BH (60°-80°)	843.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	67.4	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°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1
2.5°	1479.5	1488.0	1485.9	1482.4	1481.7	1483.1	1485.2	1487.3	1486.6	1490.2
5°	1475.3	1483.8	1483.1	1483.1	1485.9	1491.6	1495.1	1498.7	1495.1	1499.4
7.5°	1478.1	1484.5	1487.3	1490.2	1497.2	1507.9	1516.4	1524.1	1519.9	1524.9
10°	1514.2	1519.2	1522.0	1522.0	1527.0	1539.0	1547.5	1561.7	1558.1	1565.9
12.5°	1580.1	1585.1	1585.1	1582.2	1585.8	1593.6	1596.4	1612.0	1605.6	1618.3
15°	1660.8	1670.8	1663.0	1658.0	1659.4	1667.2	1666.5	1678.5	1672.2	1682.8
17.5°	1750.1	1762.8	1750.1	1749.4	1746.5	1755.0	1755.7	1766.4	1755.0	1762.8
20°	1855.6	1873.3	1862.7	1866.2	1859.9	1863.4	1866.9	1882.5	1864.8	1870.5
22.5°	2004.3	2025.6	2014.3	2027.7	2023.5	2020.6	2019.9	2047.5	2019.9	2022.0
25°	2221.1	2246.6	2226.7	2245.1	2245.1	2254.4	2265.0	2300.4	2254.4	2240.9
27.5°	2541.2	2566.7	2527.7	2539.1	2535.5	2558.2	2546.9	2634.7	2585.1	2563.1
30°	2926.5	2971.8	2898.1	2895.3	2891.8	2927.9	2944.2	3002.3	2952.0	2930.0
32.5°	3342.9	3390.4	3302.6	3277.1	3263.6	3285.6	3272.1	3318.8	3284.1	3250.1
35°	3783.5	3830.2	3746.6	3697.1	3643.2	3597.2	3549.0	3561.1	3528.5	3476.8
37.5°	4199.9	4285.6	4197.1	4144.0	4044.8	3954.9	3820.3	3764.3	3733.9	3686.4
40°	4624.1	4673.0	4605.7	4560.4	4452.8	4311.8	4096.5	3978.2	3937.1	3891.1
42.5°	4936.5	4983.2	4947.1	4915.9	4831.7	4668.1	4389.7	4241.7	4182.2	4130.5
45°	5184.4	5219.1	5196.4	5207.7	5171.6	5013.0	4693.6	4524.3	4462.7	4399.6
47.5°	5284.2	5321.1	5357.2	5424.5	5486.1	5369.2	5020.1	4830.2	4765.1	4700.6
50°	5272.9	5310.4	5415.3	5558.3	5749.6	5710.6	5364.3	5156.0	5095.8	5022.2
52.5°	5182.2	5224.7	5359.3	5597.3	5901.8	5966.3	5714.8	5492.5	5435.8	5348.0
55°	4944.3	4969.8	5171.6	5508.7	5937.9	6144.8	6058.3	5850.8	5794.2	5671.6
57.5°	4503.0	4539.9	4833.8	5270.1	5847.3	6265.9	6360.1	6227.6	6173.1	5996.7
60°	3927.2	3986.0	4322.4	4869.2	5616.4	6265.2	6634.2	6598.0	6552.7	6316.9
62.5°	3275.6	3343.6	3667.3	4302.6	5212.7	6087.4	6805.5	6908.2	6884.9	6612.2
65°	2515.7	2562.4	2884.7	3569.6	4584.5	5705.6	6825.4	7120.0	7124.3	6836.7
67.5°	1675.0	1809.6	2089.3	2678.6	3743.1	5081.7	6651.2	7154.7	7195.8	6913.9
70°	817.3	994.4	1268.5	1740.9	2678.6	4124.8	6195.7	6870.0	6961.4	6688.7
72.5°	339.3	396.6	546.1	859.1	1537.6	2783.4	5280.7	6098.0	6267.3	5926.6
75°	228.8	247.9	312.3	440.5	700.5	1372.6	3808.2	4546.9	4819.6	4476.1
77.5°	176.4	188.4	227.3	308.1	416.4	519.1	2038.3	2740.2	2881.2	2667.3
80°	138.8	148.0	170.0	224.5	295.3	277.6	694.8	1241.6	1323.0	1109.8
82.5°	120.4	123.9	121.8	152.3	196.2	162.2	228.1	458.2	505.7	366.9
85°	87.1	97.0	101.3	94.2	104.1	82.2	93.5	162.2	178.5	159.4
87.5°	35.4	52.4	64.5	60.9	38.2	23.4	29.0	47.5	54.5	59.5
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°
1495.1	0°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1
1495.8	2.5°	1496.5	1501.5	1505.0	1509.3	1512.1	1516.4	1524.9	1529.8	1530.5	1534.1
1507.2	5°	1510.0	1517.1	1524.9	1536.2	1548.9	1559.6	1575.9	1587.2	1591.4	1595.0
1534.8	7.5°	1539.0	1548.9	1563.1	1582.9	1601.3	1615.5	1635.3	1648.8	1662.3	1667.2
1578.7	10°	1582.2	1596.4	1616.9	1643.8	1663.7	1682.1	1702.6	1714.0	1727.4	1733.1
1631.1	12.5°	1636.1	1650.9	1677.8	1715.4	1733.8	1746.5	1753.6	1750.8	1753.6	1758.6
1694.1	15°	1697.7	1714.0	1744.4	1784.8	1797.5	1786.2	1770.6	1756.5	1754.3	1755.7
1770.6	17.5°	1770.6	1782.7	1818.1	1852.1	1842.9	1796.1	1762.1	1739.5	1728.1	1724.6
1868.4	20°	1872.6	1872.6	1901.6	1922.9	1861.3	1782.0	1728.8	1692.0	1668.6	1658.7
2001.5	22.5°	1996.5	1985.2	2003.6	1988.8	1857.7	1742.3	1668.6	1604.9	1569.5	1555.3
2187.8	25°	2153.8	2140.3	2135.4	2043.3	1832.2	1679.3	1559.6	1482.4	1451.2	1443.4
2456.2	27.5°	2391.0	2357.0	2292.6	2073.0	1785.5	1580.1	1432.1	1360.5	1342.8	1343.5
2801.1	30°	2706.9	2638.9	2481.0	2078.0	1709.0	1439.9	1301.8	1250.8	1242.3	1245.8
3090.8	32.5°	2999.4	2935.0	2673.6	2055.3	1591.4	1302.5	1184.9	1150.9	1138.2	1142.4
3311.8	35°	3228.9	3211.2	2852.1	2023.5	1446.9	1173.6	1080.1	1051.0	1026.3	1020.6
3520.0	37.5°	3445.6	3438.5	2986.0	1978.8	1303.9	1082.2	995.8	957.6	921.4	901.6
3750.2	40°	3683.6	3676.5	3073.8	1910.1	1177.1	1002.9	920.0	869.7	825.1	789.0
4010.8	42.5°	3951.3	3909.5	3115.6	1811.7	1069.5	935.6	858.4	790.4	731.6	698.3
4305.4	45°	4243.8	4149.6	3114.9	1686.3	978.8	874.0	792.5	696.2	641.7	610.5
4607.9	47.5°	4554.0	4379.1	3076.6	1547.5	891.0	806.0	690.5	616.9	580.8	561.6
4936.5	50°	4874.2	4593.7	3011.5	1388.2	801.0	728.8	626.8	576.5	548.9	531.2
5262.3	52.5°	5175.2	4788.5	2932.9	1207.6	709.7	653.7	598.5	559.5	530.5	510.6
5578.2	55°	5454.9	4956.3	2821.7	1022.7	635.3	603.4	585.0	552.4	519.1	495.8
5899.0	57.5°	5703.5	5065.4	2629.7	849.2	582.2	568.7	570.8	540.4	502.1	482.3
6214.9	60°	5910.3	5145.4	2345.7	688.4	539.0	534.7	548.9	517.7	473.1	450.4
6481.9	62.5°	6034.3	5144.0	1997.3	563.8	502.1	503.6	519.9	489.4	444.1	422.8
6621.4	65°	6023.6	5017.9	1614.8	482.3	466.7	468.2	489.4	458.2	420.0	407.2
6551.3	67.5°	5810.5	4710.6	1238.7	429.2	427.8	434.2	458.9	437.0	405.1	403.7
6133.4	70°	5233.2	4072.4	892.4	386.7	387.4	396.6	429.2	423.5	397.3	400.2
5156.7	72.5°	4196.4	3105.0	599.2	342.1	342.8	357.7	400.9	412.9	389.5	427.1
3658.8	75°	2794.7	1936.3	385.3	294.6	295.3	314.5	376.1	392.4	368.3	425.7
1903.8	77.5°	1342.8	870.4	279.0	247.9	247.9	265.6	325.1	351.3	313.8	330.8
611.9	80°	463.9	327.2	219.6	199.7	195.5	207.5	274.1	304.5	270.6	249.3
199.7	82.5°	182.7	170.0	176.4	155.1	140.9	148.7	213.2	251.4	199.0	179.9
112.6	85°	104.8	110.5	124.7	102.7	81.4	91.4	156.5	180.6	150.1	132.4
36.8	87.5°	28.3	39.0	57.4	53.1	36.8	39.0	74.4	99.9	86.4	66.6
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°
1495.1
1533.4
1594.3
1667.9
1735.9
1760.0
1760.7
1729.5
1656.6
1553.2
1444.8
1345.7
1257.8
1148.1
1024.8
902.3
792.5
700.5
609.1
557.4
524.8
502.1
486.6
469.6
440.5
416.4
406.5
405.8
399.5
432.7
429.2
303.1
233.7
179.2
135.3
68.7
0.0

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