

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: P847338

Luminaire Tested: **GLAN-SB3B-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847338
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-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14517 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

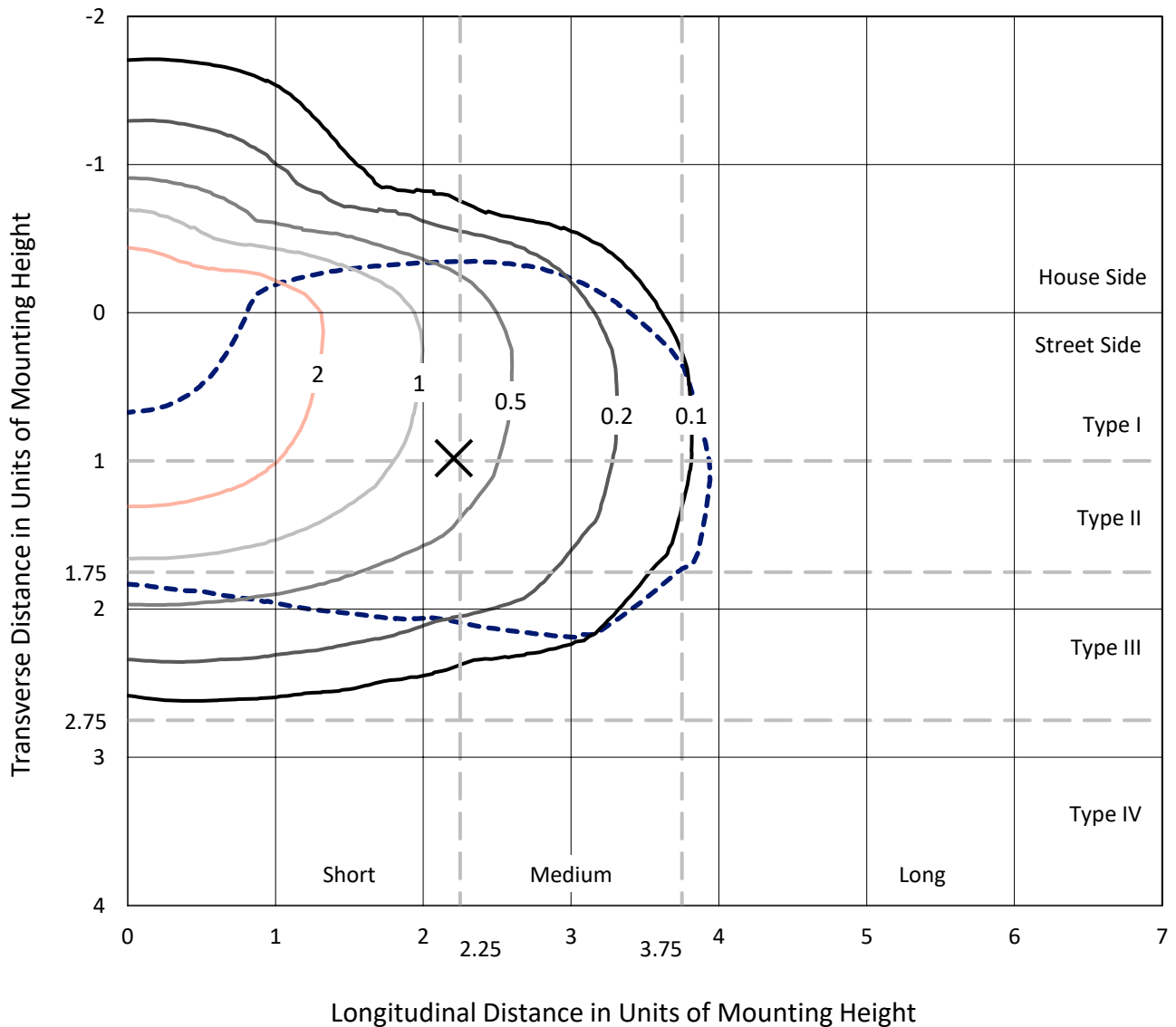
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

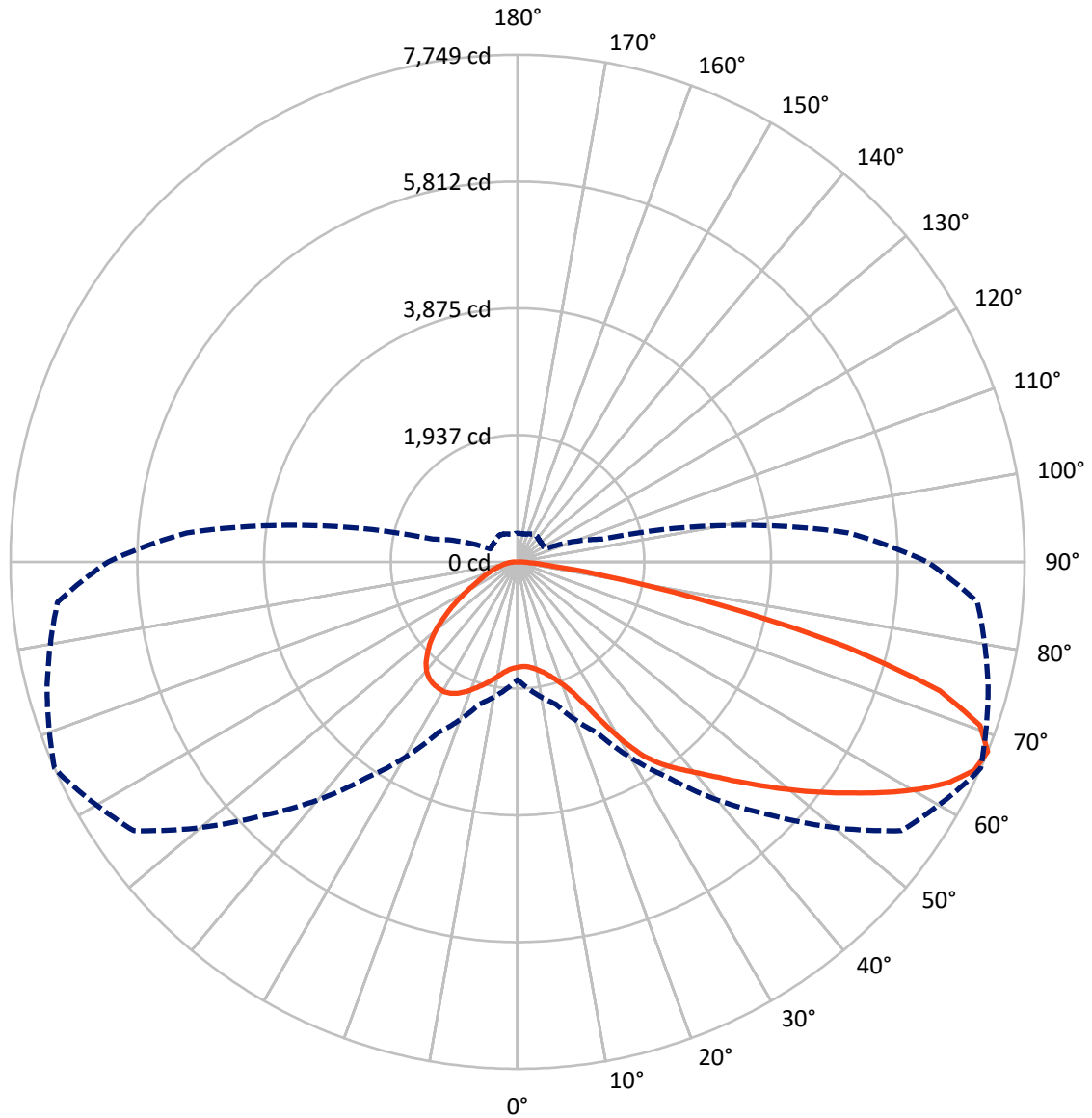
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	3609.6	0.0	3609.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10907.4	0.0	10907.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	14517.0	0.0	14517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.6	1.1
10°-20°	527.4	3.6
20°-30°	1016.6	7.0
30°-40°	1782.4	12.3
40°-50°	2649.9	18.3
50°-60°	3359.0	23.1
60°-70°	3286.7	22.6
70°-80°	1567.8	10.8
80°-90°	167.6	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°	14517.0	100.0
0°-180°	14517.0	100.0

Coefficient of Utilization



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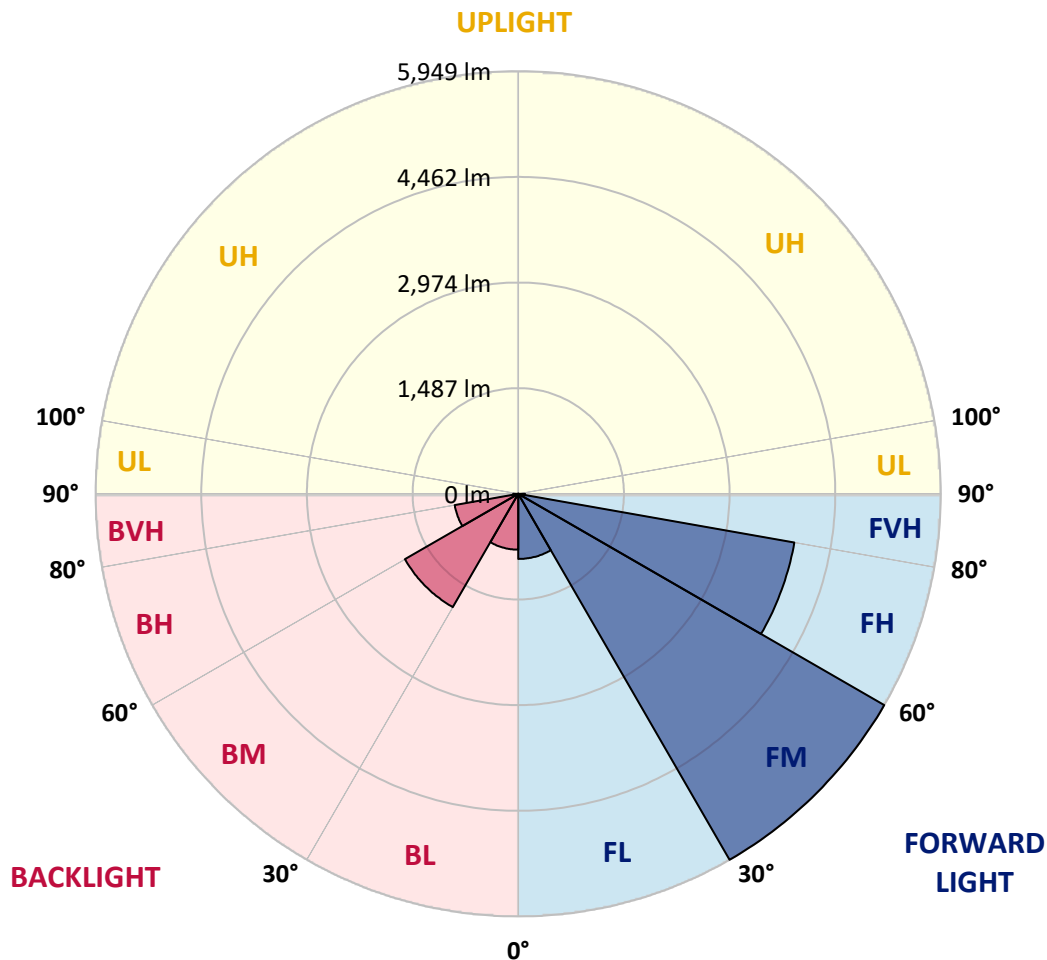
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.3	6.3			
FM (30°-60°)	5948.9	41.0			
FH (60°-80°)	3946.1	27.2			G2/5000
FVH (80°-90°)	95.0	0.7			G1/100
BL (0°-30°)	786.3	5.4	B2/1000		
BM (30°-60°)	1842.4	12.7	B2/2500		
BH (60°-80°)	908.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	72.6	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°	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1
2.5°	1593.3	1602.5	1600.2	1596.4	1595.6	1597.2	1599.4	1601.7	1601.0	1604.8
5°	1588.8	1597.9	1597.2	1597.2	1600.2	1606.3	1610.1	1613.9	1610.1	1614.7
7.5°	1591.8	1598.7	1601.7	1604.8	1612.4	1623.9	1633.0	1641.4	1636.8	1642.2
10°	1630.7	1636.1	1639.1	1639.1	1644.5	1657.4	1666.6	1681.8	1678.0	1686.4
12.5°	1701.7	1707.0	1707.0	1703.9	1707.8	1716.1	1719.2	1736.0	1729.1	1742.8
15°	1788.6	1799.3	1790.9	1785.6	1787.1	1795.5	1794.7	1807.7	1800.8	1812.3
17.5°	1884.7	1898.4	1884.7	1883.9	1880.9	1890.0	1890.8	1902.3	1890.0	1898.4
20°	1998.4	2017.4	2006.0	2009.8	2002.9	2006.7	2010.6	2027.3	2008.3	2014.4
22.5°	2158.5	2181.4	2169.2	2183.7	2179.1	2176.1	2175.3	2205.1	2175.3	2177.6
25°	2391.9	2419.4	2398.0	2417.9	2417.9	2427.8	2439.2	2477.4	2427.8	2413.3
27.5°	2736.7	2764.1	2722.2	2734.4	2730.6	2755.0	2742.8	2837.4	2784.0	2760.3
30°	3151.6	3200.4	3121.1	3118.0	3114.2	3153.1	3170.7	3233.2	3179.1	3155.4
32.5°	3600.1	3651.2	3556.6	3529.2	3514.7	3538.3	3523.8	3574.2	3536.8	3500.2
35°	4074.5	4124.9	4034.9	3981.5	3923.5	3873.9	3822.0	3835.0	3799.9	3744.3
37.5°	4523.0	4615.3	4519.9	4462.7	4356.0	4259.1	4114.2	4053.9	4021.1	3970.0
40°	4979.9	5032.5	4960.0	4911.2	4795.3	4643.5	4411.6	4284.3	4240.0	4190.4
42.5°	5316.2	5366.6	5327.7	5294.1	5203.4	5027.2	4727.4	4568.0	4503.9	4448.3
45°	5583.2	5620.6	5596.2	5608.4	5569.5	5398.6	5054.6	4872.3	4806.0	4738.1
47.5°	5690.7	5730.4	5769.3	5841.8	5908.1	5782.3	5406.2	5201.8	5131.7	5062.3
50°	5678.5	5719.0	5831.8	5985.9	6191.9	6149.9	5776.9	5552.7	5487.9	5408.5
52.5°	5580.9	5626.7	5771.6	6027.9	6355.8	6425.3	6154.5	5915.0	5854.0	5759.4
55°	5324.6	5352.1	5569.5	5932.5	6394.7	6617.5	6524.4	6300.9	6239.9	6108.0
57.5°	4849.4	4889.1	5205.6	5675.5	6297.1	6747.9	6849.3	6706.7	6648.0	6458.1
60°	4229.3	4292.7	4655.0	5243.8	6048.5	6747.1	7144.5	7105.6	7056.8	6802.8
62.5°	3527.6	3600.9	3949.4	4633.6	5613.7	6555.7	7329.1	7439.7	7414.5	7120.9
65°	2709.2	2759.6	3106.6	3844.2	4937.2	6144.6	7350.4	7667.7	7672.3	7362.7
67.5°	1803.9	1948.8	2250.1	2884.7	4031.0	5472.6	7162.8	7705.1	7749.4	7445.8
70°	880.2	1070.9	1366.1	1874.8	2884.7	4442.2	6672.4	7398.5	7496.9	7203.2
72.5°	365.3	427.1	588.1	925.2	1655.9	2997.5	5686.9	6567.1	6749.4	6382.5
75°	246.4	267.0	336.4	474.4	754.3	1478.2	4101.2	4896.7	5190.4	4820.5
77.5°	189.9	202.9	244.8	331.8	448.5	559.1	2195.1	2951.0	3102.8	2872.4
80°	149.5	159.4	183.1	241.8	318.1	299.0	748.2	1337.1	1424.8	1195.2
82.5°	129.7	133.5	131.2	164.0	211.3	174.7	245.6	493.5	544.6	395.1
85°	93.8	104.5	109.1	101.4	112.1	88.5	100.7	174.7	192.2	171.6
87.5°	38.1	56.4	69.4	65.6	41.2	25.2	31.3	51.1	58.7	64.1
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°
1610.1	0°	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1	1610.1
1610.9	2.5°	1611.7	1617.0	1620.8	1625.4	1628.4	1633.0	1642.2	1647.5	1648.3	1652.1
1623.1	5°	1626.1	1633.8	1642.2	1654.4	1668.1	1679.5	1697.1	1709.3	1713.9	1717.7
1652.8	7.5°	1657.4	1668.1	1683.3	1704.7	1724.5	1739.8	1761.1	1775.6	1790.1	1795.5
1700.1	10°	1703.9	1719.2	1741.3	1770.3	1791.7	1811.5	1833.6	1845.8	1860.3	1866.4
1756.6	12.5°	1761.9	1777.9	1806.9	1847.3	1867.2	1880.9	1888.5	1885.5	1888.5	1893.9
1824.5	15°	1828.3	1845.8	1878.6	1922.1	1935.8	1923.6	1906.8	1891.6	1889.3	1890.8
1906.8	17.5°	1906.8	1919.8	1957.9	1994.5	1984.6	1934.3	1897.7	1873.3	1861.1	1857.3
2012.1	20°	2016.7	2016.7	2047.9	2070.8	2004.5	1919.0	1861.8	1822.2	1797.0	1786.3
2155.5	22.5°	2150.1	2137.9	2157.8	2141.8	2000.6	1876.3	1797.0	1728.4	1690.2	1675.0
2356.1	25°	2319.5	2305.0	2299.6	2200.5	1973.2	1808.4	1679.5	1596.4	1562.8	1554.4
2645.2	27.5°	2575.0	2538.4	2469.0	2232.5	1922.8	1701.7	1542.2	1465.2	1446.1	1446.9
3016.6	30°	2915.2	2841.9	2671.9	2237.9	1840.5	1550.6	1401.9	1347.0	1337.8	1341.6
3328.6	32.5°	3230.2	3160.8	2879.3	2213.4	1713.9	1402.7	1276.1	1239.4	1225.7	1230.3
3566.5	35°	3477.3	3458.2	3071.5	2179.1	1558.3	1263.8	1163.2	1131.9	1105.2	1099.1
3790.8	37.5°	3710.7	3703.1	3215.7	2131.1	1404.2	1165.5	1072.4	1031.2	992.3	971.0
4038.7	40°	3967.0	3959.3	3310.3	2057.1	1267.7	1080.0	990.8	936.6	888.6	849.7
4319.4	42.5°	4255.3	4210.3	3355.3	1951.1	1151.7	1007.6	924.4	851.2	787.9	752.1
4636.6	45°	4570.3	4468.8	3354.5	1816.1	1054.1	941.2	853.5	749.8	691.0	657.5
4962.3	47.5°	4904.4	4716.0	3313.3	1666.6	959.5	868.0	743.7	664.3	625.4	604.8
5316.2	50°	5249.1	4947.1	3243.1	1495.0	862.6	784.9	675.0	620.9	591.1	572.0
5667.1	52.5°	5573.3	5156.8	3158.5	1300.5	764.3	704.0	644.5	602.6	571.3	549.9
6007.3	55°	5874.6	5337.6	3038.7	1101.4	684.2	649.8	630.0	594.9	559.1	533.9
6352.8	57.5°	6142.3	5455.1	2832.0	914.5	627.0	612.5	614.8	582.0	540.8	519.4
6693.0	60°	6365.0	5541.2	2526.2	741.4	580.4	575.9	591.1	557.6	509.5	485.1
6980.5	62.5°	6498.5	5539.7	2150.9	607.1	540.8	542.3	559.8	527.0	478.2	455.4
7130.8	65°	6487.0	5404.0	1739.0	519.4	502.6	504.2	527.0	493.5	452.3	438.6
7055.3	67.5°	6257.5	5072.9	1334.0	462.2	460.7	467.6	494.3	470.6	436.3	434.8
6605.3	70°	5635.8	4385.7	961.0	416.5	417.2	427.1	462.2	456.1	427.9	430.9
5553.5	72.5°	4519.2	3343.8	645.3	368.4	369.2	385.2	431.7	444.7	419.5	459.9
3940.3	75°	3009.7	2085.3	414.9	317.3	318.1	338.7	405.0	422.6	396.6	458.4
2050.2	77.5°	1446.1	937.4	300.5	267.0	267.0	286.0	350.1	378.3	337.9	356.2
659.0	80°	499.6	352.4	236.4	215.1	210.5	223.5	295.2	328.0	291.4	268.5
215.1	82.5°	196.8	183.1	189.9	167.0	151.8	160.2	229.6	270.8	214.3	193.7
121.3	85°	112.9	119.0	134.2	110.6	87.7	98.4	168.6	194.5	161.7	142.6
39.7	87.5°	30.5	42.0	61.8	57.2	39.7	42.0	80.1	107.5	93.1	71.7
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°
1610.1
1651.3
1716.9
1796.2
1869.5
1895.4
1896.2
1862.6
1784.0
1672.7
1556.0
1449.2
1354.6
1236.4
1103.7
971.7
853.5
754.3
655.9
600.3
565.2
540.8
524.0
505.7
474.4
448.5
437.8
437.0
430.2
466.0
462.2
326.4
251.7
193.0
145.7
74.0
0.0

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