

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: P848538

Luminaire Tested: **GLAN-SB5A-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848538
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-SB5A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14602 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

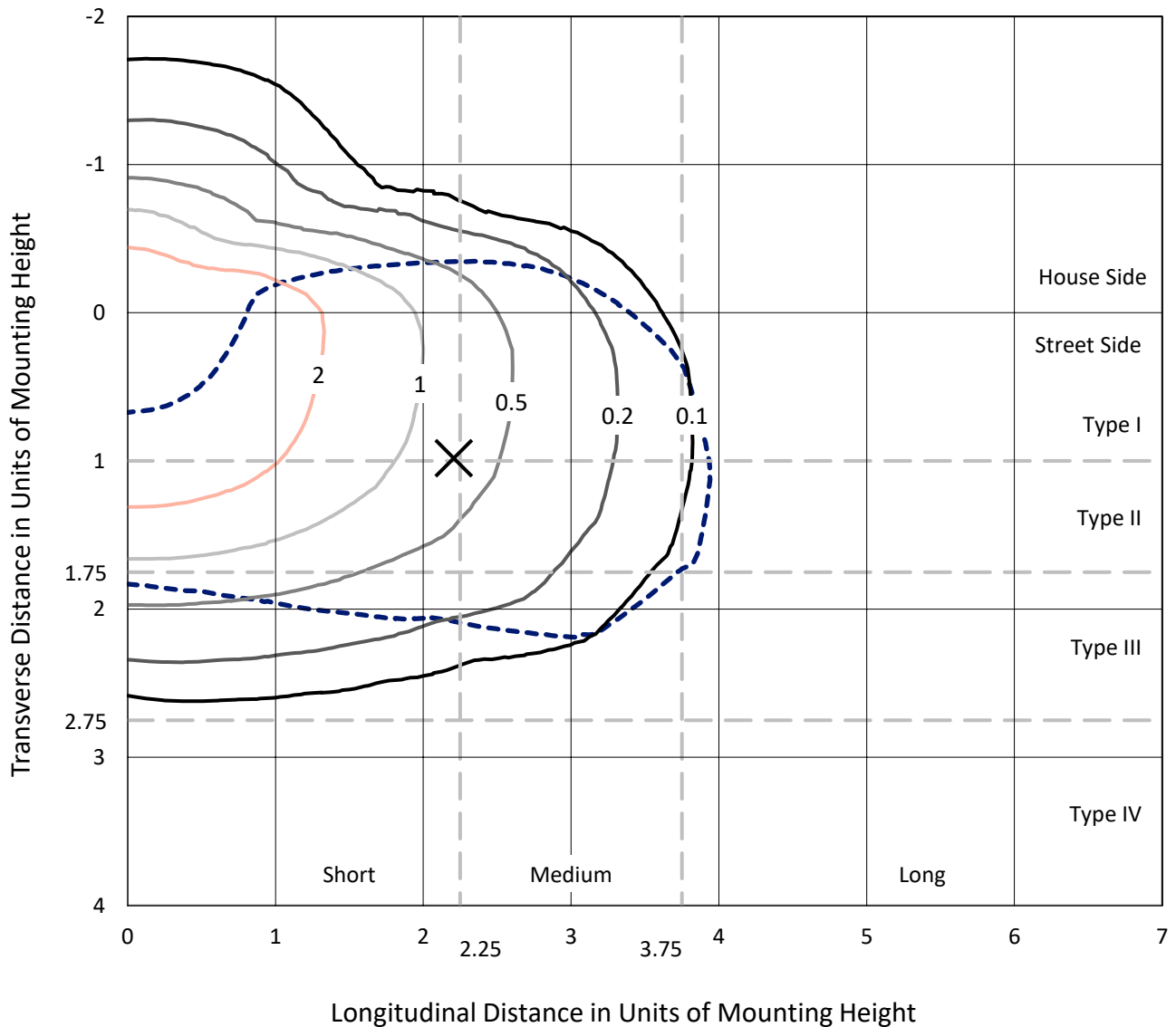
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

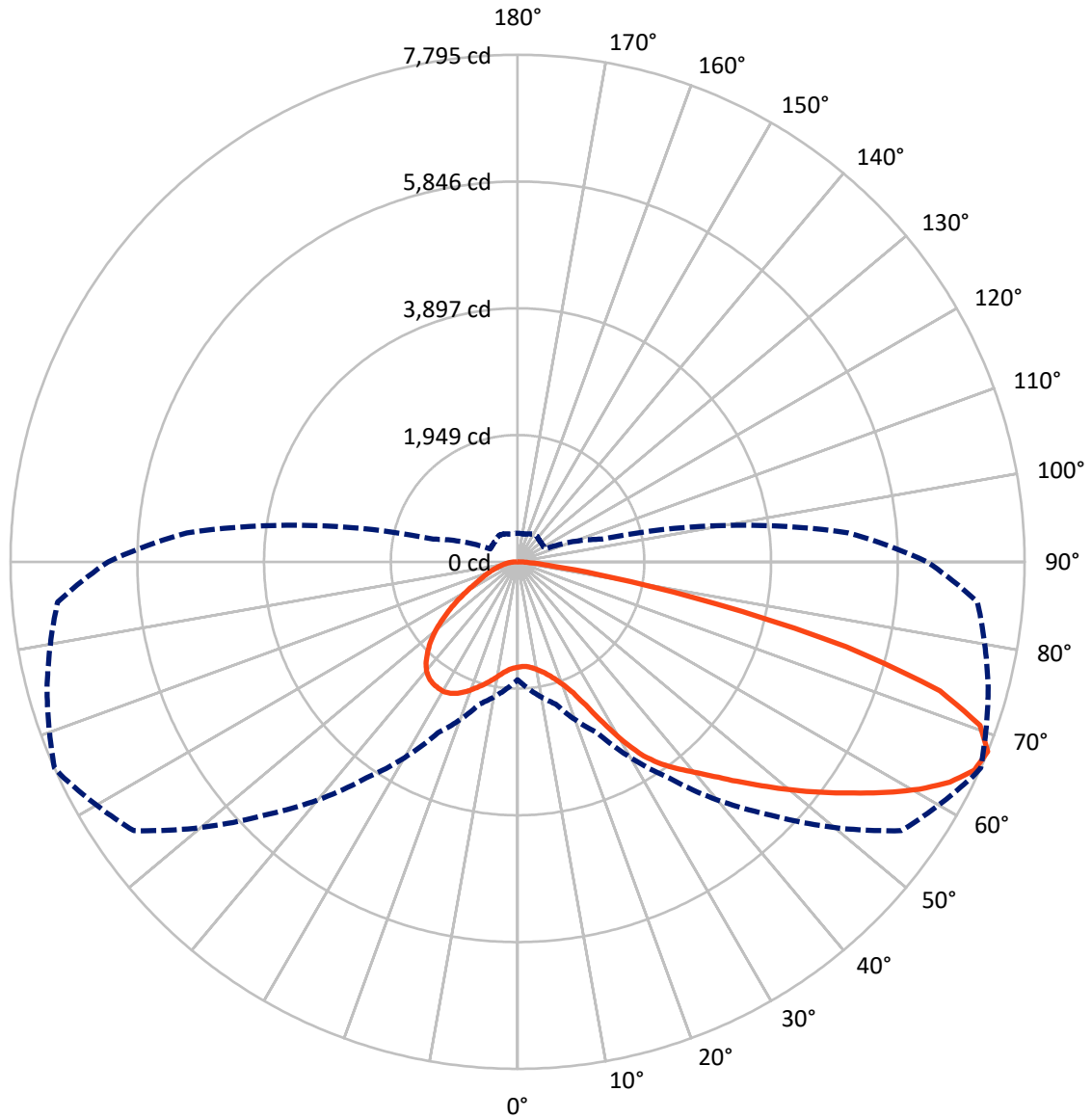
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	3630.7	0.0	3630.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10971.3	0.0	10971.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	14602.0	0.0	14602.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	1.1
10°-20°	530.5	3.6
20°-30°	1022.5	7.0
30°-40°	1792.9	12.3
40°-50°	2665.4	18.3
50°-60°	3378.7	23.1
60°-70°	3305.9	22.6
70°-80°	1577.0	10.8
80°-90°	168.5	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°	14602.0	100.0
0°-180°	14602.0	100.0

Coefficient of Utilization



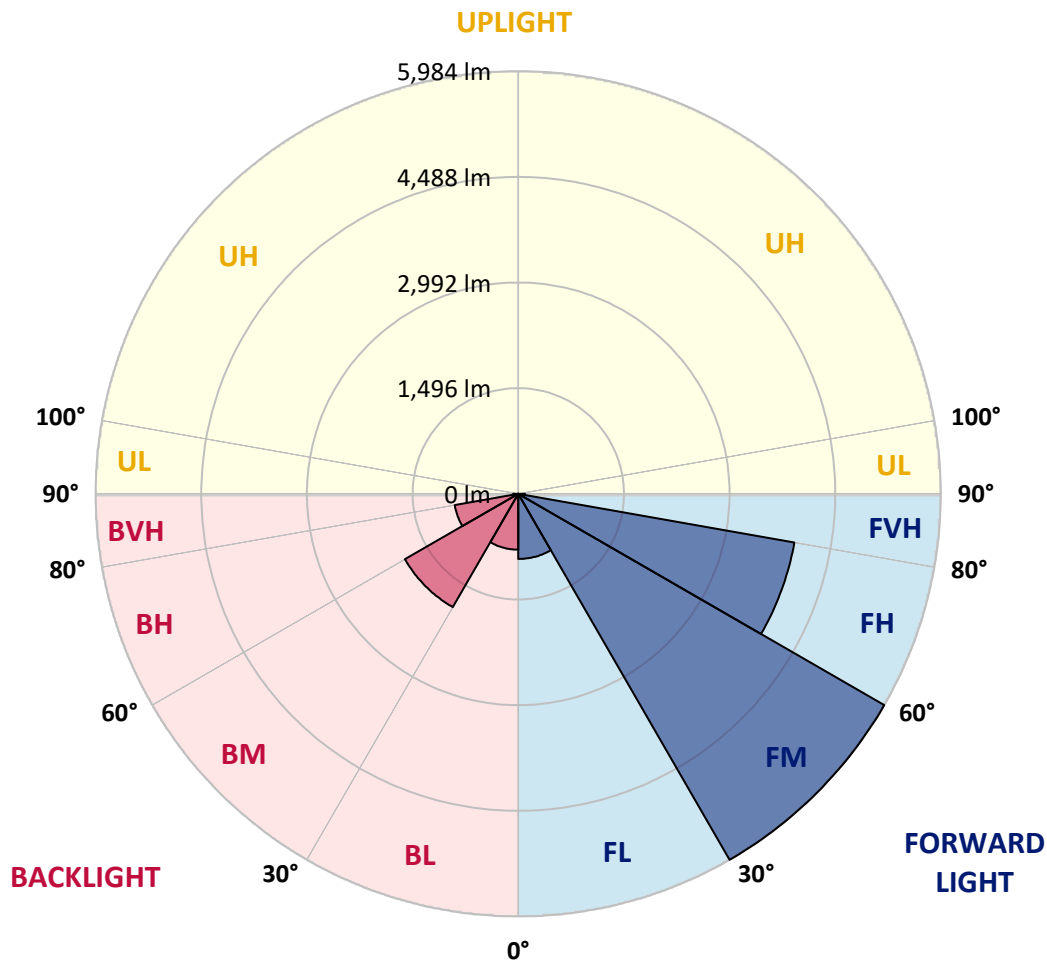
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.7	6.3			
FM (30°-60°)	5983.8	41.0			
FH (60°-80°)	3969.2	27.2			G2/5000
FVH (80°-90°)	95.6	0.7			G1/100
BL (0°-30°)	790.9	5.4	B2/1000		
BM (30°-60°)	1853.2	12.7	B2/2500		
BH (60°-80°)	913.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	73.0	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°	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6
2.5°	1602.7	1611.9	1609.6	1605.7	1605.0	1606.5	1608.8	1611.1	1610.3	1614.2
5°	1598.1	1607.3	1606.5	1606.5	1609.6	1615.7	1619.6	1623.4	1619.6	1624.2
7.5°	1601.1	1608.0	1611.1	1614.2	1621.9	1633.4	1642.6	1651.0	1646.4	1651.8
10°	1640.3	1645.6	1648.7	1648.7	1654.1	1667.1	1676.3	1691.7	1687.8	1696.3
12.5°	1711.6	1717.0	1717.0	1713.9	1717.8	1726.2	1729.3	1746.1	1739.2	1753.0
15°	1799.1	1809.8	1801.4	1796.0	1797.5	1806.0	1805.2	1818.3	1811.4	1822.9
17.5°	1895.7	1909.6	1895.7	1895.0	1891.9	1901.1	1901.9	1913.4	1901.1	1909.6
20°	2010.1	2029.2	2017.7	2021.6	2014.7	2018.5	2022.3	2039.2	2020.0	2026.2
22.5°	2171.2	2194.2	2181.9	2196.5	2191.9	2188.8	2188.0	2218.0	2188.0	2190.4
25°	2405.9	2433.6	2412.1	2432.0	2432.0	2442.0	2453.5	2491.9	2442.0	2427.4
27.5°	2752.7	2780.3	2738.1	2750.4	2746.6	2771.1	2758.8	2854.0	2800.3	2776.5
30°	3170.1	3219.2	3139.4	3136.3	3132.5	3171.6	3189.2	3252.2	3197.7	3173.9
32.5°	3621.2	3672.6	3577.4	3549.8	3535.2	3559.0	3544.5	3595.1	3557.5	3520.7
35°	4098.4	4149.0	4058.5	4004.8	3946.5	3896.6	3844.4	3857.5	3822.2	3766.2
37.5°	4549.5	4642.3	4546.4	4488.9	4381.5	4284.0	4138.3	4077.7	4044.7	3993.3
40°	5009.0	5062.0	4989.1	4940.0	4823.4	4670.7	4437.5	4309.4	4264.9	4215.0
42.5°	5347.4	5398.0	5358.9	5325.1	5233.8	5056.6	4755.1	4594.7	4530.3	4474.3
45°	5615.9	5653.5	5628.9	5641.2	5602.1	5430.2	5084.2	4900.9	4834.1	4765.8
47.5°	5724.1	5764.0	5803.1	5876.0	5942.7	5816.1	5437.9	5232.3	5161.7	5091.9
50°	5711.8	5752.4	5866.0	6021.0	6228.1	6185.9	5810.8	5585.2	5520.0	5440.2
52.5°	5613.6	5659.6	5805.4	6063.2	6393.1	6462.9	6190.5	5949.6	5888.2	5793.1
55°	5355.8	5383.4	5602.1	5967.3	6432.2	6656.2	6562.6	6337.8	6276.4	6143.7
57.5°	4877.8	4917.7	5236.1	5708.7	6334.0	6787.4	6889.4	6746.0	6686.9	6495.9
60°	4254.1	4317.8	4682.2	5274.5	6083.9	6786.6	7186.3	7147.2	7098.1	6842.6
62.5°	3548.3	3621.9	3972.6	4660.7	5646.6	6594.1	7372.0	7483.2	7457.9	7162.6
65°	2725.1	2775.7	3124.8	3866.7	4966.1	6180.5	7393.5	7712.6	7717.2	7405.8
67.5°	1814.4	1960.2	2263.2	2901.5	4054.6	5504.6	7204.8	7750.2	7794.7	7489.4
70°	885.3	1077.1	1374.1	1885.8	2901.5	4468.2	6711.4	7441.8	7540.8	7245.4
72.5°	367.5	429.6	591.5	930.6	1665.6	3015.1	5720.2	6605.6	6788.9	6419.9
75°	247.8	268.5	338.3	477.2	758.8	1486.8	4125.2	4925.4	5220.8	4848.7
77.5°	191.0	204.1	246.3	333.7	451.1	562.4	2208.0	2968.3	3121.0	2889.3
80°	150.4	160.3	184.1	243.2	319.9	300.7	752.6	1344.9	1433.1	1202.2
82.5°	130.4	134.3	132.0	164.9	212.5	175.7	247.0	496.4	547.8	397.4
85°	94.4	105.1	109.7	102.0	112.8	89.0	101.3	175.7	193.3	172.6
87.5°	38.4	56.8	69.8	66.0	41.4	25.3	31.5	51.4	59.1	64.4
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°
1619.6	0°	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6
1620.3	2.5°	1621.1	1626.5	1630.3	1634.9	1638.0	1642.6	1651.8	1657.1	1657.9	1661.8
1632.6	5°	1635.7	1643.3	1651.8	1664.1	1677.9	1689.4	1707.0	1719.3	1723.9	1727.7
1662.5	7.5°	1667.1	1677.9	1693.2	1714.7	1734.6	1750.0	1771.5	1786.0	1800.6	1806.0
1710.1	10°	1713.9	1729.3	1751.5	1780.7	1802.1	1822.1	1844.3	1856.6	1871.2	1877.3
1766.9	12.5°	1772.2	1788.3	1817.5	1858.2	1878.1	1891.9	1899.6	1896.5	1899.6	1905.0
1835.1	15°	1839.0	1856.6	1889.6	1933.3	1947.1	1934.9	1918.0	1902.7	1900.3	1901.9
1918.0	17.5°	1918.0	1931.0	1969.4	2006.2	1996.2	1945.6	1908.8	1884.2	1872.0	1868.1
2023.9	20°	2028.5	2028.5	2059.9	2082.9	2016.2	1930.3	1872.7	1832.8	1807.5	1796.8
2168.1	22.5°	2162.7	2150.5	2170.4	2154.3	2012.4	1887.3	1807.5	1738.5	1700.1	1684.8
2369.9	25°	2333.0	2318.5	2313.1	2213.4	1984.7	1819.0	1689.4	1605.7	1572.0	1563.5
2660.6	27.5°	2590.1	2553.2	2483.4	2245.6	1934.1	1711.6	1551.3	1473.8	1454.6	1455.4
3034.3	30°	2932.2	2858.6	2687.5	2251.0	1851.2	1559.7	1410.1	1354.9	1345.7	1349.5
3348.1	32.5°	3249.1	3179.3	2896.2	2226.4	1723.9	1410.9	1283.5	1246.7	1232.9	1237.5
3587.4	35°	3497.7	3478.5	3089.5	2191.9	1567.4	1271.2	1170.0	1138.5	1111.7	1105.5
3813.0	37.5°	3732.4	3724.7	3234.5	2143.6	1412.4	1172.3	1078.7	1037.3	998.1	976.6
4062.3	40°	3990.2	3982.5	3329.6	2069.1	1275.1	1086.4	996.6	942.1	893.8	854.7
4344.6	42.5°	4280.2	4234.9	3374.9	1962.5	1158.5	1013.5	929.8	856.2	792.5	756.5
4663.8	45°	4597.0	4495.0	3374.1	1826.7	1060.3	946.7	858.5	754.2	695.1	661.3
4991.4	47.5°	4933.1	4743.6	3332.7	1676.3	965.1	873.1	748.0	668.2	629.1	608.4
5347.4	50°	5279.9	4976.0	3262.1	1503.7	867.7	789.4	679.0	624.5	594.6	575.4
5700.3	52.5°	5605.9	5187.0	3177.0	1308.1	768.7	708.1	648.3	606.1	574.6	553.1
6042.5	55°	5909.0	5368.9	3056.5	1107.8	688.2	653.7	633.7	598.4	562.4	537.0
6390.0	57.5°	6178.2	5487.0	2848.6	919.9	630.6	616.1	618.4	585.4	543.9	522.5
6732.2	60°	6402.3	5573.7	2541.0	745.7	583.8	579.2	594.6	560.8	512.5	487.9
7021.4	62.5°	6536.5	5572.2	2163.5	610.7	543.9	545.5	563.1	530.1	481.0	458.0
7172.5	65°	6525.0	5435.6	1749.2	522.5	505.6	507.1	530.1	496.4	454.9	441.1
7096.6	67.5°	6294.1	5102.6	1341.8	464.9	463.4	470.3	497.1	473.4	438.8	437.3
6643.9	70°	5668.8	4411.4	966.7	418.9	419.7	429.6	464.9	458.8	430.4	433.5
5586.0	72.5°	4545.6	3363.4	649.0	370.6	371.3	387.4	434.2	447.3	422.0	462.6
3963.3	75°	3027.4	2097.5	417.4	319.2	319.9	340.6	407.4	425.0	398.9	461.1
2062.2	77.5°	1454.6	942.9	302.3	268.5	268.5	287.7	352.1	380.5	339.9	358.3
662.9	80°	502.5	354.4	237.8	216.3	211.7	224.8	296.9	329.9	293.1	270.1
216.3	82.5°	197.9	184.1	191.0	168.0	152.7	161.1	230.9	272.4	215.6	194.9
122.0	85°	113.5	119.7	135.0	111.2	88.2	99.0	169.6	195.6	162.6	143.5
39.9	87.5°	30.7	42.2	62.1	57.5	39.9	42.2	80.6	108.2	93.6	72.1
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°
1619.6
1661.0
1727.0
1806.8
1880.4
1906.5
1907.3
1873.5
1794.5
1682.5
1565.1
1457.7
1362.5
1243.6
1110.1
977.4
858.5
758.8
659.8
603.8
568.5
543.9
527.1
508.7
477.2
451.1
440.4
439.6
432.7
468.8
464.9
328.4
253.2
194.1
146.5
74.4
0.0

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