

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: P948206

Luminaire Tested: **GLAN-SB3B-827-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-827-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14888 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

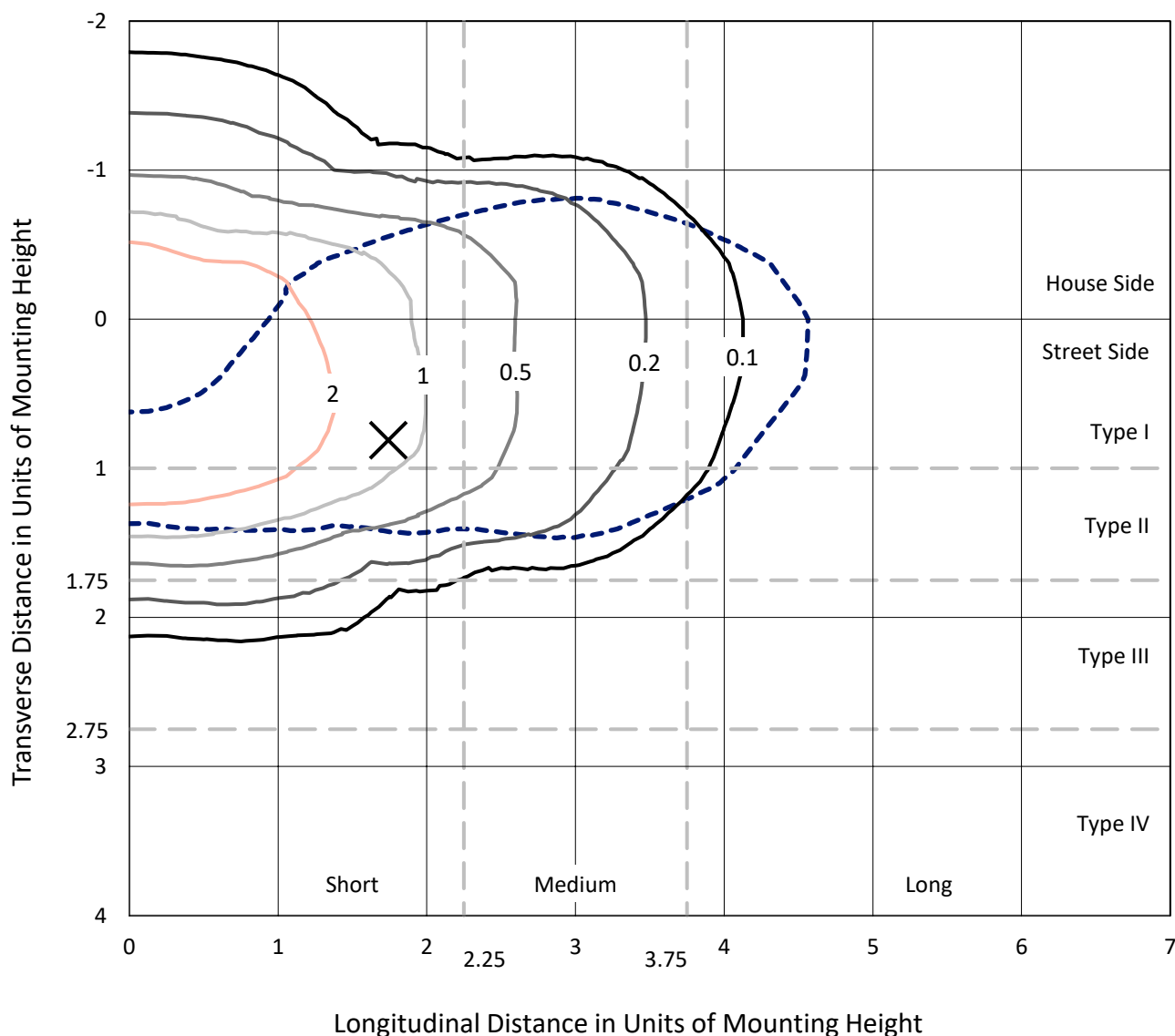
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

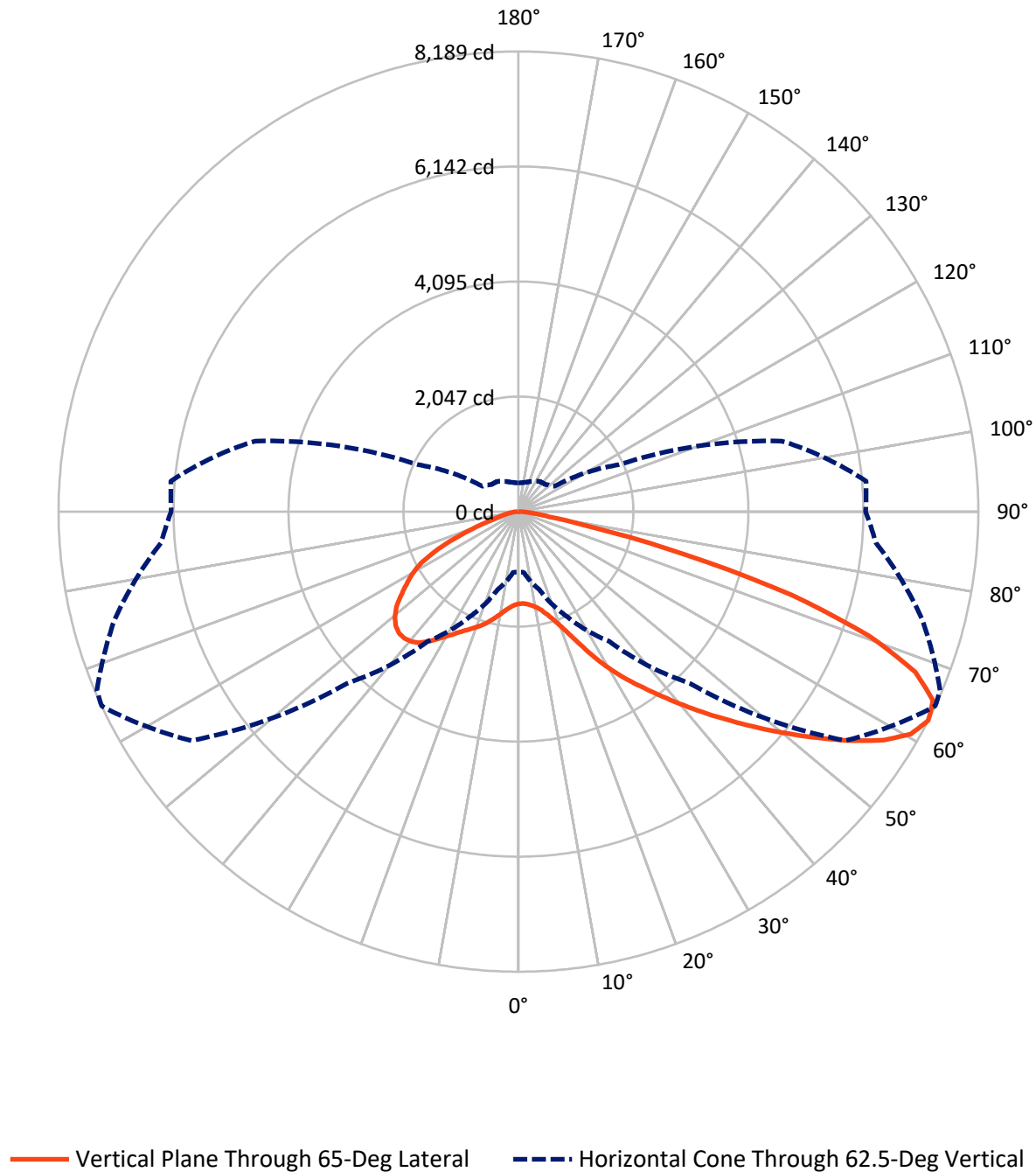
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4698.0	0.0	4698.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	10190.0	0.0	10190.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	14888.0	0.0	14888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	1.1
10°-20°	554.7	3.7
20°-30°	1124.6	7.6
30°-40°	1946.2	13.1
40°-50°	2945.2	19.8
50°-60°	3453.0	23.2
60°-70°	2894.9	19.4
70°-80°	1598.2	10.7
80°-90°	207.6	1.4
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°	14888.0	100.0
0°-180°	14888.0	100.0

Coefficient of Utilization



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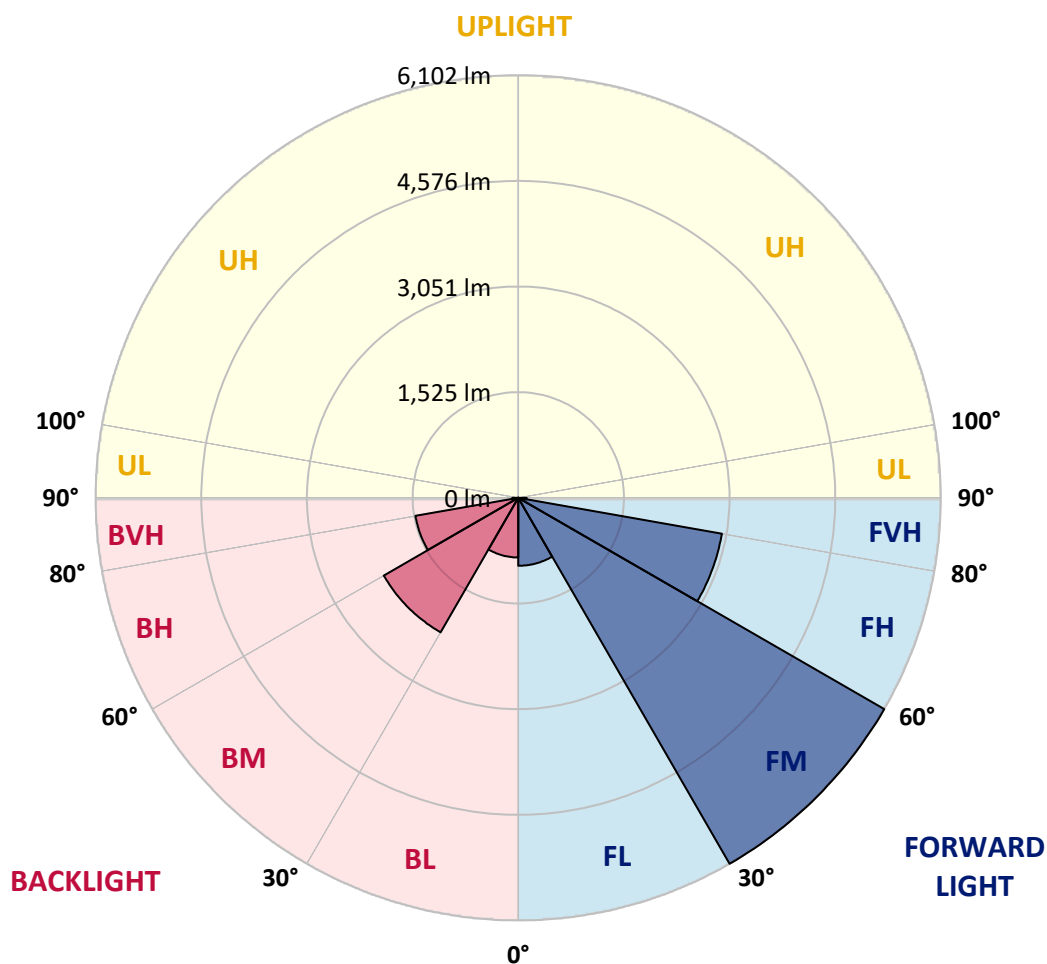
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	981.3	6.6			
FM	(30°-60°)	6101.6	41.0			
FH	(60°-80°)	2986.1	20.1			G2/5000
FVH	(80°-90°)	121.0	0.8			G2/225
BL	(0°-30°)	861.6	5.8	B2/1000		
BM	(30°-60°)	2242.8	15.1	B2/2500		
BH	(60°-80°)	1507.1	10.1	B3/2500		G3/2500
BVH	(80°-90°)	86.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6
2.5°	1629.8	1625.1	1629.0	1629.0	1630.6	1629.8	1635.2	1636.7	1639.0	1643.7
5°	1613.6	1612.8	1619.7	1625.9	1632.1	1637.5	1644.5	1654.5	1656.0	1661.4
7.5°	1608.2	1603.5	1614.3	1622.1	1636.7	1649.9	1668.4	1685.4	1692.3	1694.7
10°	1649.9	1642.1	1652.2	1656.8	1669.2	1682.3	1703.9	1731.0	1738.7	1748.0
12.5°	1720.9	1712.4	1727.1	1734.1	1745.6	1757.2	1771.9	1798.2	1802.0	1819.0
15°	1818.2	1808.2	1817.5	1826.0	1845.3	1856.1	1870.8	1896.3	1896.3	1909.4
17.5°	1950.3	1937.2	1944.1	1947.2	1959.6	1975.8	2000.5	2022.9	2034.5	2029.9
20°	2147.3	2131.1	2131.1	2115.6	2111.0	2124.1	2156.6	2187.5	2199.8	2175.9
22.5°	2443.1	2420.0	2406.8	2354.3	2333.4	2335.0	2367.4	2405.3	2415.3	2372.8
25°	2819.3	2783.0	2765.2	2688.0	2640.9	2599.9	2625.4	2674.1	2688.0	2635.5
27.5°	3195.4	3197.8	3180.8	3088.1	3010.1	2935.1	2922.0	2973.0	2987.7	2928.2
30°	3723.0	3668.2	3635.7	3524.5	3413.3	3308.2	3254.2	3275.0	3278.9	3207.8
32.5°	4178.0	4164.0	4094.5	3997.2	3854.3	3689.8	3599.4	3566.2	3560.0	3458.8
35°	4696.2	4688.5	4615.1	4499.3	4344.8	4116.2	3953.2	3858.2	3850.5	3708.3
37.5°	5223.0	5223.0	5151.2	5024.5	4864.6	4578.8	4330.9	4180.3	4155.6	3970.2
40°	5643.2	5617.7	5630.8	5577.6	5394.5	5090.9	4750.3	4531.7	4498.5	4276.0
42.5°	5881.9	5873.4	5952.2	6011.6	5936.7	5694.2	5212.2	4912.5	4866.2	4612.8
45°	5935.2	5925.9	6066.5	6284.3	6389.4	6289.7	5714.3	5313.4	5257.0	4965.0
47.5°	5812.4	5793.8	6000.1	6343.8	6680.6	6855.9	6258.0	5748.3	5666.4	5308.0
50°	5443.2	5425.4	5737.4	6193.9	6778.6	7240.5	6848.2	6209.4	6084.3	5675.6
52.5°	4640.6	4649.1	5138.1	5765.2	6649.7	7480.0	7356.4	6695.2	6544.6	6051.8
55°	3614.9	3633.4	4234.3	4924.9	6133.7	7443.7	7703.2	7195.7	7045.9	6405.6
57.5°	2588.3	2670.2	3233.3	3916.9	5142.7	6868.2	7778.9	7671.5	7526.3	6791.8
60°	1677.7	1692.3	2271.6	2960.6	3916.1	5845.6	7625.2	8032.3	7918.7	7185.7
62.5°	1075.2	1085.2	1438.2	2070.8	2818.5	4324.7	7107.7	8189.1	8154.3	7446.0
65°	790.2	782.4	966.3	1368.7	1898.6	2667.1	6102.8	8113.4	8182.1	7609.0
67.5°	659.6	648.8	739.2	947.7	1398.8	1514.7	4515.5	7621.3	7873.1	7590.4
70°	600.9	591.7	646.5	703.7	1091.4	1014.2	2276.3	6625.7	7013.5	7379.6
72.5°	509.0	492.8	567.7	624.9	848.9	777.8	940.8	5089.4	5562.1	6703.7
75°	394.7	383.9	448.0	550.0	638.0	607.1	594.8	3090.4	3606.4	5184.4
77.5°	312.8	298.1	356.9	428.7	573.9	458.0	433.3	1330.9	1842.2	3309.8
80°	235.6	222.5	271.1	339.1	441.0	345.3	280.4	543.0	694.4	1676.9
82.5°	167.6	156.0	189.2	248.7	296.6	309.7	172.2	304.3	342.2	646.5
85°	107.4	100.4	126.7	156.0	188.5	199.3	105.0	159.1	174.6	266.5
87.5°	58.7	47.9	68.0	72.6	87.3	79.6	50.2	57.9	62.6	96.6
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°
1640.6	0°	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6
1643.7	2.5°	1646.8	1649.1	1656.8	1659.1	1664.5	1671.5	1676.1	1680.8	1680.8	1685.4
1668.4	5°	1669.2	1674.6	1690.8	1699.3	1713.2	1727.1	1735.6	1745.6	1751.8	1754.9
1707.8	7.5°	1712.4	1720.9	1744.1	1758.8	1782.7	1802.0	1815.2	1829.1	1832.2	1840.6
1762.6	10°	1771.1	1781.2	1807.4	1835.2	1863.8	1887.8	1900.1	1910.2	1914.0	1915.6
1832.9	12.5°	1838.3	1853.0	1887.0	1921.0	1951.1	1972.0	1975.0	1972.7	1961.9	1952.6
1919.4	15°	1921.0	1934.1	1972.0	2009.0	2038.4	2042.2	2022.9	2010.6	1997.4	1995.1
2016.0	17.5°	2019.8	2026.8	2061.6	2097.9	2100.2	2087.0	2058.5	2046.9	2034.5	2026.0
2141.9	20°	2134.9	2132.6	2157.3	2172.8	2156.6	2116.4	2073.1	2053.8	2041.5	2031.4
2296.4	22.5°	2272.4	2254.7	2251.6	2247.7	2204.5	2120.3	2061.6	2036.8	2017.5	2003.6
2511.9	25°	2472.5	2404.5	2357.4	2331.1	2233.8	2099.4	2024.5	1969.6	1933.3	1909.4
2775.3	27.5°	2722.7	2608.4	2489.5	2425.4	2233.8	2056.9	1934.9	1846.1	1786.6	1761.9
3030.2	30°	2961.4	2841.7	2666.3	2538.9	2228.4	1987.4	1790.4	1666.9	1597.3	1572.6
3248.0	32.5°	3165.3	3034.8	2854.0	2663.3	2215.3	1874.6	1611.2	1474.5	1407.3	1378.0
3463.5	35°	3354.6	3215.5	3042.5	2800.0	2180.5	1709.3	1414.3	1310.0	1235.1	1188.0
3682.8	37.5°	3548.4	3383.1	3220.9	2923.6	2117.9	1516.2	1262.9	1174.1	1086.0	1022.7
3916.1	40°	3759.3	3561.6	3411.7	2996.9	2015.2	1332.4	1145.5	1064.4	970.9	903.7
4184.9	42.5°	4005.7	3775.5	3624.1	3034.8	1874.6	1201.9	1069.0	989.5	901.4	846.6
4473.0	45°	4262.9	4011.1	3818.0	3034.0	1717.8	1140.8	1044.3	965.5	868.2	811.0
4768.8	47.5°	4532.5	4257.5	3985.6	2984.6	1581.9	1149.3	1030.4	913.8	806.4	750.8
5067.8	50°	4802.8	4527.1	4147.8	2891.9	1524.0	1130.8	978.6	841.2	714.5	664.3
5348.1	52.5°	5070.9	4813.6	4287.6	2759.8	1465.3	1062.1	912.2	746.9	676.6	641.9
5637.8	55°	5340.4	5097.1	4439.8	2567.5	1318.5	981.7	801.0	711.4	646.5	614.8
5921.3	57.5°	5610.8	5424.6	4584.2	2375.2	1133.9	882.9	740.0	668.1	616.4	589.3
6158.4	60°	5891.9	5799.2	4733.3	2198.3	951.6	756.2	695.2	633.4	580.9	550.7
6386.3	62.5°	6181.6	6211.7	4849.9	1970.4	784.0	678.9	655.0	591.7	540.7	512.1
6574.7	65°	6473.5	6609.5	4926.4	1654.5	635.7	605.6	611.7	546.1	494.3	469.6
6713.0	67.5°	6693.7	6896.1	4904.8	1252.1	521.4	536.1	557.7	498.2	449.5	430.2
6690.6	70°	6718.4	6862.1	4691.6	857.4	436.4	468.1	497.4	451.1	400.9	387.0
6375.4	72.5°	6389.4	6398.6	4097.6	560.0	369.2	410.9	434.1	403.2	354.5	340.6
5577.6	75°	5526.6	5291.8	3008.5	369.2	309.0	353.0	374.6	353.0	305.9	309.0
4173.3	77.5°	4187.2	3747.7	1826.7	262.6	258.0	296.6	326.0	310.5	270.3	303.6
2098.6	80°	2157.3	2027.6	814.9	196.2	203.9	237.1	268.0	247.9	214.0	203.9
468.9	82.5°	494.3	574.7	321.3	140.6	147.5	170.7	204.7	186.2	153.7	129.8
195.4	85°	173.0	189.2	142.1	88.1	86.5	106.6	139.0	124.4	104.3	83.4
82.6	87.5°	54.8	71.8	53.3	35.5	37.1	47.9	64.1	58.7	48.7	31.7
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°
1640.6
1685.4
1756.5
1837.6
1911.7
1952.6
1995.1
2026.8
2032.2
2008.3
1918.7
1774.2
1587.3
1392.7
1203.4
1039.7
916.8
857.4
820.3
758.5
667.4
641.9
611.7
584.7
548.4
511.3
468.9
431.0
387.7
339.9
298.1
267.3
186.2
128.2
88.1
33.2
0.0