

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: P852313

Luminaire Tested: **GLAN-SB2D-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852313  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13570 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

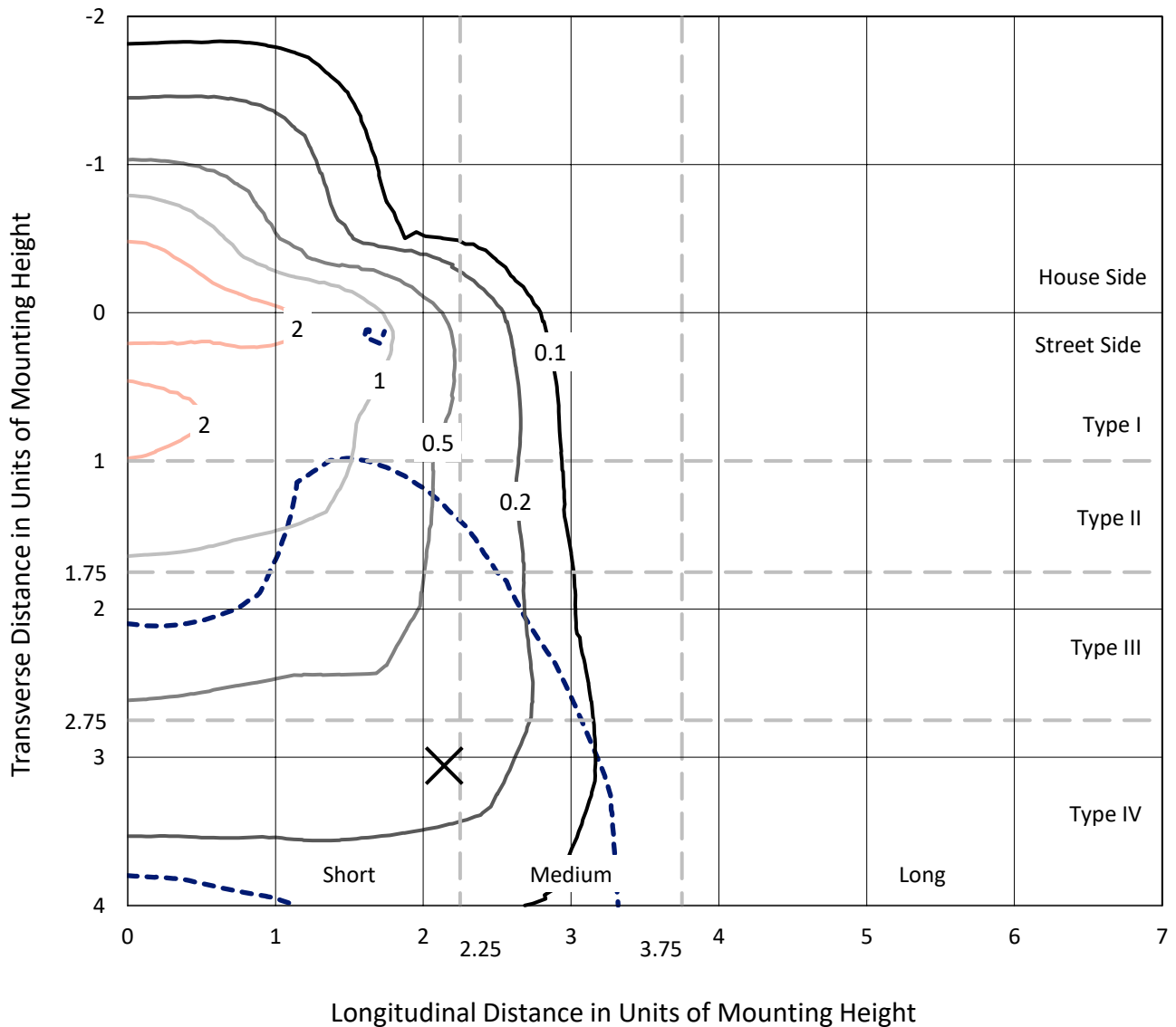
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

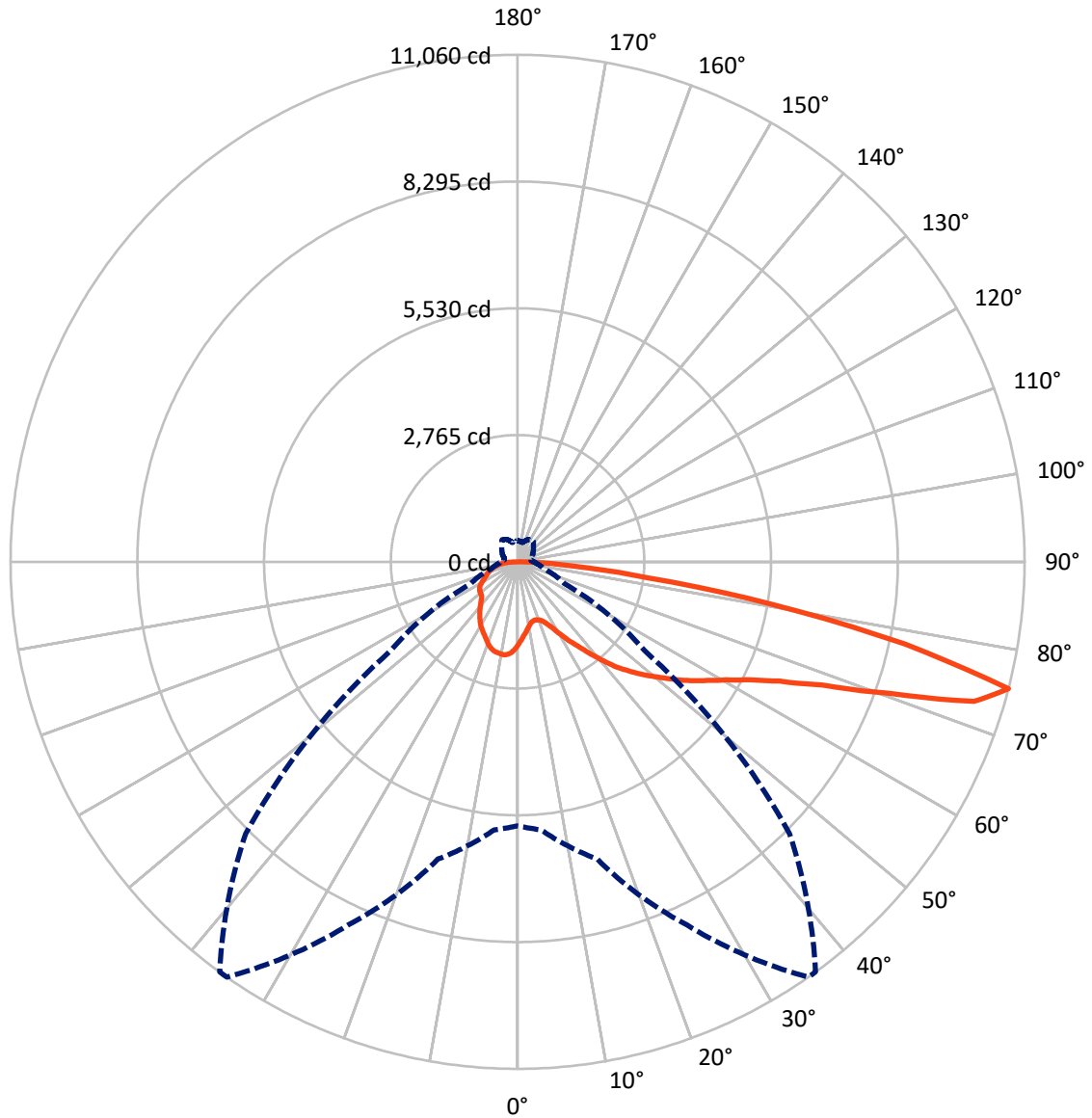
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3229.3	0.0	3229.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	10340.7	0.0	10340.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	13570.0	0.0	13570.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.2	1.3
10°-20°	493.8	3.6
20°-30°	829.3	6.1
30°-40°	1288.8	9.5
40°-50°	1913.0	14.1
50°-60°	2641.0	19.5
60°-70°	3204.1	23.6
70°-80°	2647.9	19.5
80°-90°	380.9	2.8
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°	13570.0	100.0
0°-180°	13570.0	100.0

**Coefficient of Utilization**



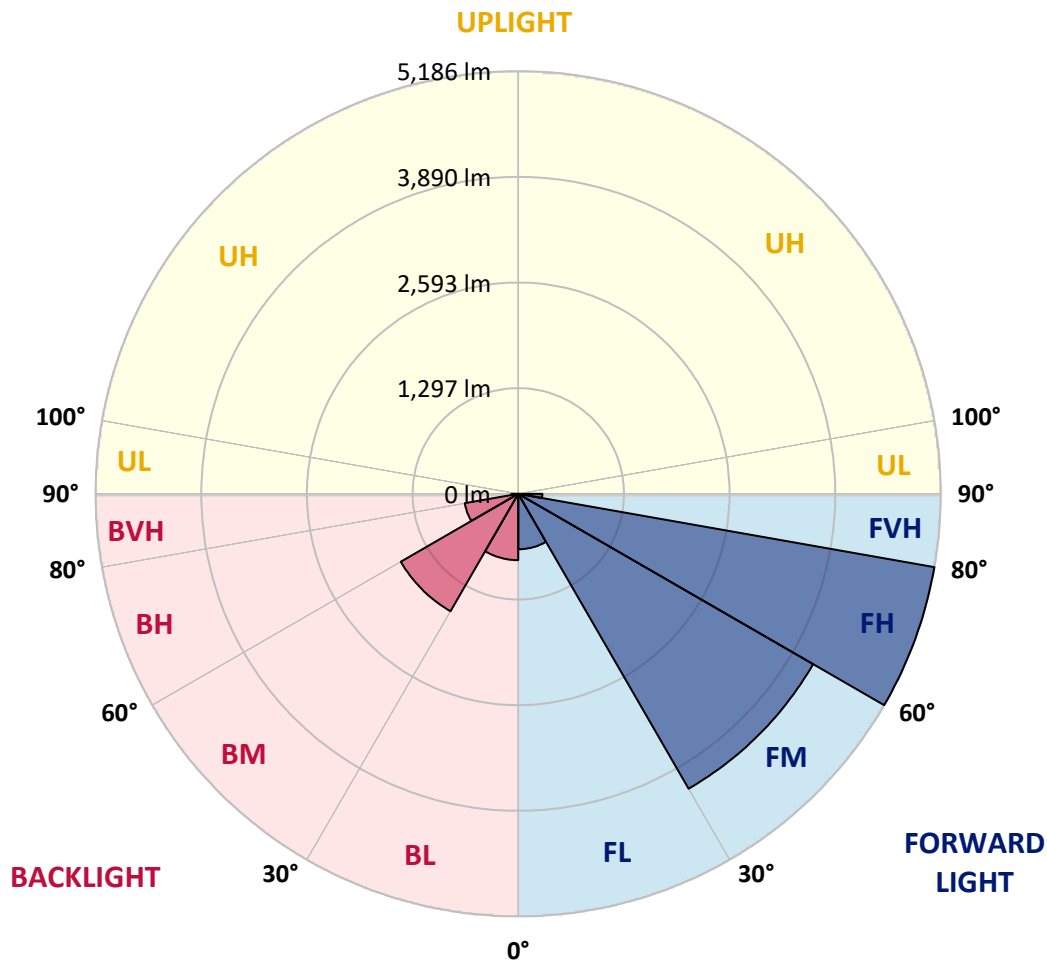
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.5	5.0			
FM (30°-60°)	4178.8	30.8			
FH (60°-80°)	5186.3	38.2			G3/7500
FVH (80°-90°)	295.1	2.2			G3/500
BL (0°-30°)	813.8	6.0	B2/1000		
BM (30°-60°)	1663.9	12.3	B2/2500		
BH (60°-80°)	665.8	4.9	B2/1000		G2/1000
BVH (80°-90°)	85.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
2.5°	1667.4	1677.7	1682.1	1679.9	1690.9	1689.5	1704.9	1723.9	1750.3	1776.0
5°	1539.1	1550.1	1559.6	1568.4	1589.7	1596.3	1620.5	1657.2	1705.6	1754.7
7.5°	1419.5	1429.0	1443.7	1459.8	1495.8	1502.4	1542.7	1600.0	1667.4	1739.3
10°	1321.9	1331.5	1346.9	1365.2	1410.0	1418.0	1469.4	1545.7	1633.7	1724.7
12.5°	1280.1	1283.0	1291.8	1310.2	1349.1	1354.2	1410.7	1498.0	1600.7	1713.7
15°	1277.9	1283.8	1284.5	1294.0	1326.3	1328.5	1380.6	1467.2	1580.1	1711.5
17.5°	1299.9	1304.3	1297.7	1303.6	1330.7	1334.4	1375.5	1452.5	1573.5	1721.0
20°	1358.6	1362.3	1342.5	1334.4	1354.2	1357.1	1397.5	1462.0	1580.1	1740.8
22.5°	1483.3	1485.5	1437.1	1404.1	1405.6	1407.0	1442.2	1500.9	1605.8	1776.8
25°	1677.7	1676.2	1599.2	1535.4	1498.7	1490.7	1514.1	1564.0	1649.1	1824.4
27.5°	1905.1	1894.1	1817.1	1721.7	1641.8	1630.0	1624.9	1646.2	1710.7	1887.5
30°	2161.9	2151.6	2068.7	1944.0	1833.2	1814.2	1765.7	1754.7	1802.4	1973.4
32.5°	2443.6	2437.0	2337.9	2186.8	2038.6	2016.6	1935.2	1905.9	1943.3	2103.2
35°	2679.8	2673.9	2591.8	2436.2	2255.0	2227.9	2145.0	2112.0	2131.1	2269.7
37.5°	2893.3	2890.3	2819.9	2697.4	2510.3	2477.3	2384.2	2373.2	2369.5	2489.1
40°	3091.3	3084.0	3010.6	2946.1	2807.4	2777.4	2695.2	2685.7	2657.8	2759.0
42.5°	3310.7	3291.6	3185.2	3155.2	3117.7	3092.8	3043.7	3045.1	2983.5	3063.5
45°	3489.7	3478.7	3369.4	3351.8	3392.1	3381.8	3424.4	3435.4	3315.8	3382.6
47.5°	3681.9	3671.6	3579.2	3566.7	3676.0	3678.9	3829.3	3833.0	3640.1	3714.2
50°	3918.8	3904.2	3812.5	3827.9	3950.4	3961.4	4236.5	4211.5	3938.6	4050.9
52.5°	4075.1	4083.9	4064.1	4089.0	4256.3	4266.5	4637.0	4573.2	4234.3	4383.2
55°	4190.3	4207.9	4269.5	4326.7	4579.1	4589.3	5014.8	4917.2	4479.3	4691.3
57.5°	4338.4	4313.5	4428.7	4540.2	4885.7	4912.8	5382.3	5248.8	4696.4	4956.9
60°	4551.2	4533.6	4623.1	4788.1	5229.0	5272.3	5771.1	5547.4	4855.6	5167.4
62.5°	4982.5	4938.5	4952.5	5098.4	5661.8	5719.1	6209.8	5807.8	4934.8	5249.6
65°	5627.4	5551.8	5481.4	5582.6	6271.4	6327.9	6705.0	6012.5	4905.5	5090.4
67.5°	6439.4	6364.6	6278.0	6373.4	7169.4	7214.1	7316.1	6127.7	4674.4	4477.1
70°	7109.2	7081.3	7184.8	7577.2	8603.5	8605.0	8099.5	6032.3	4041.3	3174.2
72.5°	7020.4	7003.6	7548.6	8762.0	10411.1	10372.2	8841.2	5310.4	2722.3	1432.0
75°	5759.4	5868.7	6713.1	8740.7	11060.3	11055.2	8387.1	3376.0	1126.1	593.5
77.5°	3088.4	3261.5	4358.2	6453.4	8634.3	8764.2	5896.6	1181.1	483.4	380.0
80°	1007.2	1158.3	1737.1	3285.7	5610.5	5586.3	2527.2	463.6	330.8	269.2
82.5°	427.7	445.3	776.1	1551.5	2879.3	2834.6	804.7	266.3	232.5	184.1
85°	167.3	187.1	342.6	717.4	1247.1	1220.0	290.5	132.0	148.9	120.3
87.5°	55.0	66.8	122.5	245.8	388.1	374.1	71.2	45.5	64.6	55.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1808.3	0°	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3	1808.3
1813.4	2.5°	1823.7	1835.4	1849.4	1869.9	1887.5	1902.2	1917.6	1927.1	1930.8	1941.8
1816.4	5°	1836.9	1862.6	1897.1	1930.8	1963.8	1983.6	2001.2	2010.0	2018.1	2024.0
1824.4	7.5°	1858.9	1891.9	1946.2	1990.2	2018.1	2034.2	2046.0	2043.0	2046.0	2047.4
1833.2	10°	1878.0	1924.2	1988.8	2030.6	2051.8	2052.6	2049.6	2039.4	2034.2	2035.0
1846.4	12.5°	1900.7	1952.1	2021.8	2057.0	2062.8	2046.7	2034.2	2016.6	2010.0	2007.1
1866.2	15°	1931.5	1990.2	2057.7	2070.9	2056.2	2035.7	2014.4	1985.8	1971.2	1959.4
1900.0	17.5°	1969.0	2033.5	2085.6	2076.1	2044.5	2010.8	1976.3	1933.0	1902.9	1890.5
1946.2	20°	2021.0	2079.0	2106.9	2065.1	2017.4	1966.0	1907.3	1854.5	1826.6	1814.2
2004.9	22.5°	2084.1	2139.9	2127.4	2046.0	1978.5	1896.3	1823.0	1784.1	1770.1	1761.3
2080.5	25°	2159.7	2207.4	2142.1	2018.1	1914.7	1803.9	1747.4	1734.9	1728.3	1721.7
2172.9	27.5°	2258.0	2283.7	2153.1	1977.0	1814.9	1705.6	1685.1	1687.3	1685.1	1674.0
2301.3	30°	2387.8	2382.7	2163.4	1910.3	1700.5	1616.8	1618.3	1627.8	1629.3	1622.0
2480.3	32.5°	2558.8	2506.7	2168.5	1823.7	1591.2	1539.1	1540.5	1550.8	1558.1	1545.7
2714.3	35°	2765.6	2651.2	2160.4	1715.1	1506.8	1465.0	1454.0	1456.9	1459.1	1447.4
2998.2	37.5°	3007.0	2813.3	2124.5	1594.8	1437.1	1392.3	1368.9	1349.1	1337.3	1326.3
3319.5	40°	3271.8	2990.1	2058.4	1477.4	1359.3	1315.3	1280.1	1242.7	1203.1	1188.4
3659.9	42.5°	3549.1	3172.0	1978.5	1365.2	1269.8	1233.9	1196.5	1142.2	1082.8	1052.7
4013.5	45°	3836.7	3358.4	1900.0	1254.4	1178.1	1162.7	1119.5	1054.2	989.6	951.5
4367.8	47.5°	4118.4	3534.4	1784.8	1142.9	1092.3	1109.2	1075.4	1015.3	943.4	883.2
4719.2	50°	4387.6	3699.5	1596.3	1030.0	1022.6	1093.0	1060.8	974.2	892.0	815.0
5064.0	52.5°	4654.6	3833.0	1354.9	927.3	985.2	1088.6	1041.7	946.3	845.8	765.1
5388.2	55°	4881.3	3902.0	1122.4	839.2	930.9	1051.2	1019.0	913.3	780.5	694.7
5610.5	57.5°	5010.4	3846.2	928.7	752.7	856.1	989.6	980.1	842.9	702.8	636.8
5653.8	60°	4954.7	3620.3	770.3	677.1	784.9	922.9	912.6	773.2	643.4	581.0
5421.9	62.5°	4647.3	3189.6	644.8	611.1	720.4	854.6	845.1	719.6	597.9	537.7
4806.5	65°	4028.1	2594.7	547.3	556.1	655.1	772.5	786.4	674.9	561.9	503.2
3718.6	67.5°	3072.3	1879.5	471.0	508.4	591.3	691.8	732.1	642.6	531.9	476.1
2151.6	70°	1751.1	1067.4	406.4	462.2	534.8	616.9	690.3	616.9	499.6	453.4
806.2	72.5°	663.9	490.0	351.4	415.9	480.5	553.9	644.1	576.6	462.2	427.7
416.7	75°	354.3	298.6	295.6	361.7	418.1	492.2	586.1	537.0	434.3	451.9
288.3	77.5°	241.4	211.3	247.2	309.6	349.9	424.0	524.5	476.8	376.3	374.9
199.5	80°	167.3	149.7	201.0	249.4	270.7	356.5	457.8	409.3	306.6	286.1
123.2	82.5°	100.5	97.6	150.4	186.3	191.5	275.1	379.3	343.3	250.9	218.6
73.4	85°	55.0	58.0	96.1	109.3	111.5	192.2	297.1	265.6	192.9	162.1
26.4	87.5°	15.4	19.8	35.2	43.3	53.6	99.8	176.8	157.7	96.8	67.5
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°
1808.3
1941.1
2025.4
2049.6
2036.4
2005.6
1963.1
1891.2
1812.7
1762.8
1721.7
1676.2
1625.6
1551.5
1455.4
1333.7
1195.0
1056.4
948.5
876.6
808.4
756.3
687.4
628.0
572.2
528.2
493.7
467.3
447.5
421.8
466.6
345.5
273.6
220.1
163.6
67.5
0.0

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