

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: P846786

Luminaire Tested: **GLAN-SB2C-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11832 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

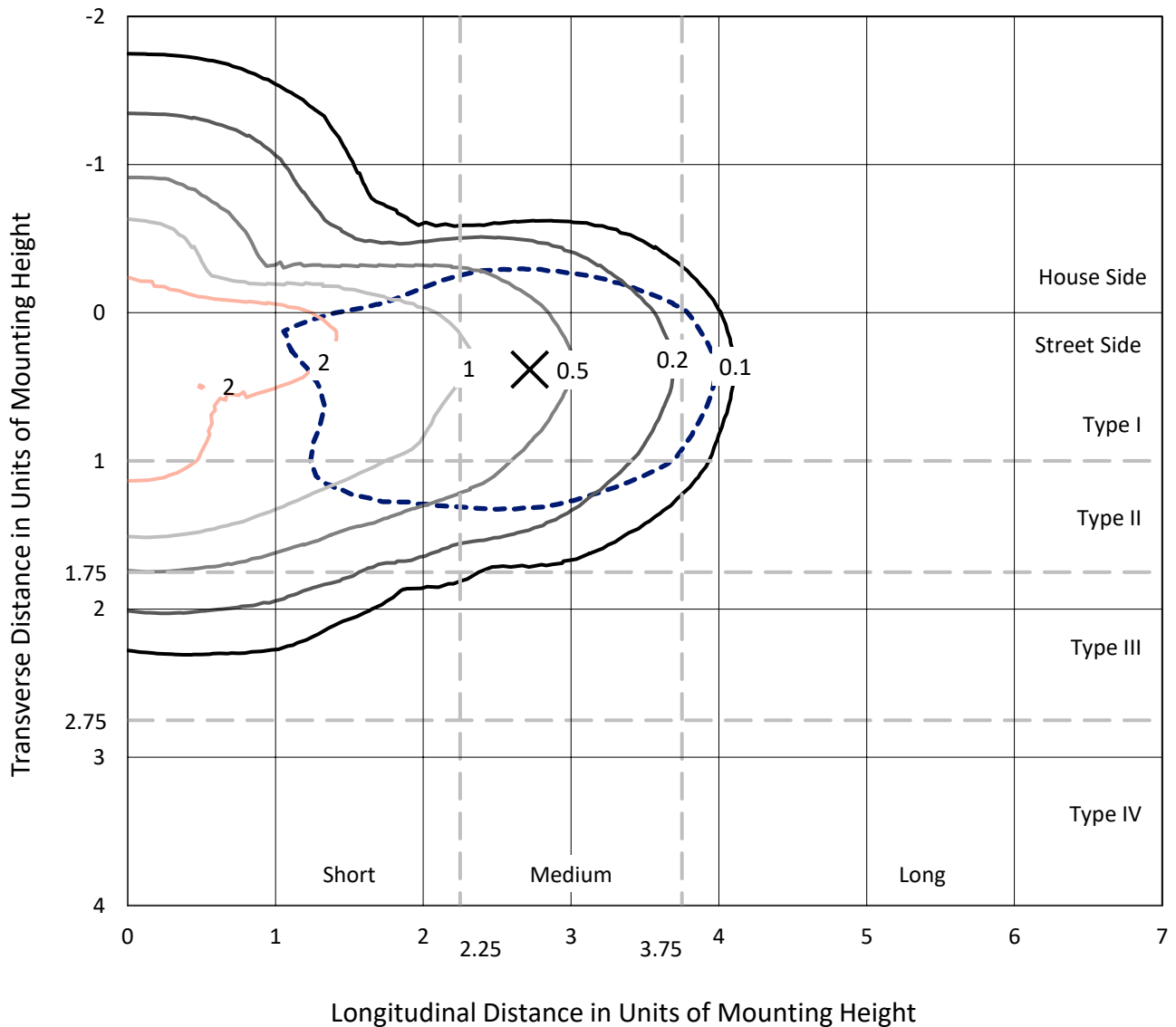
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

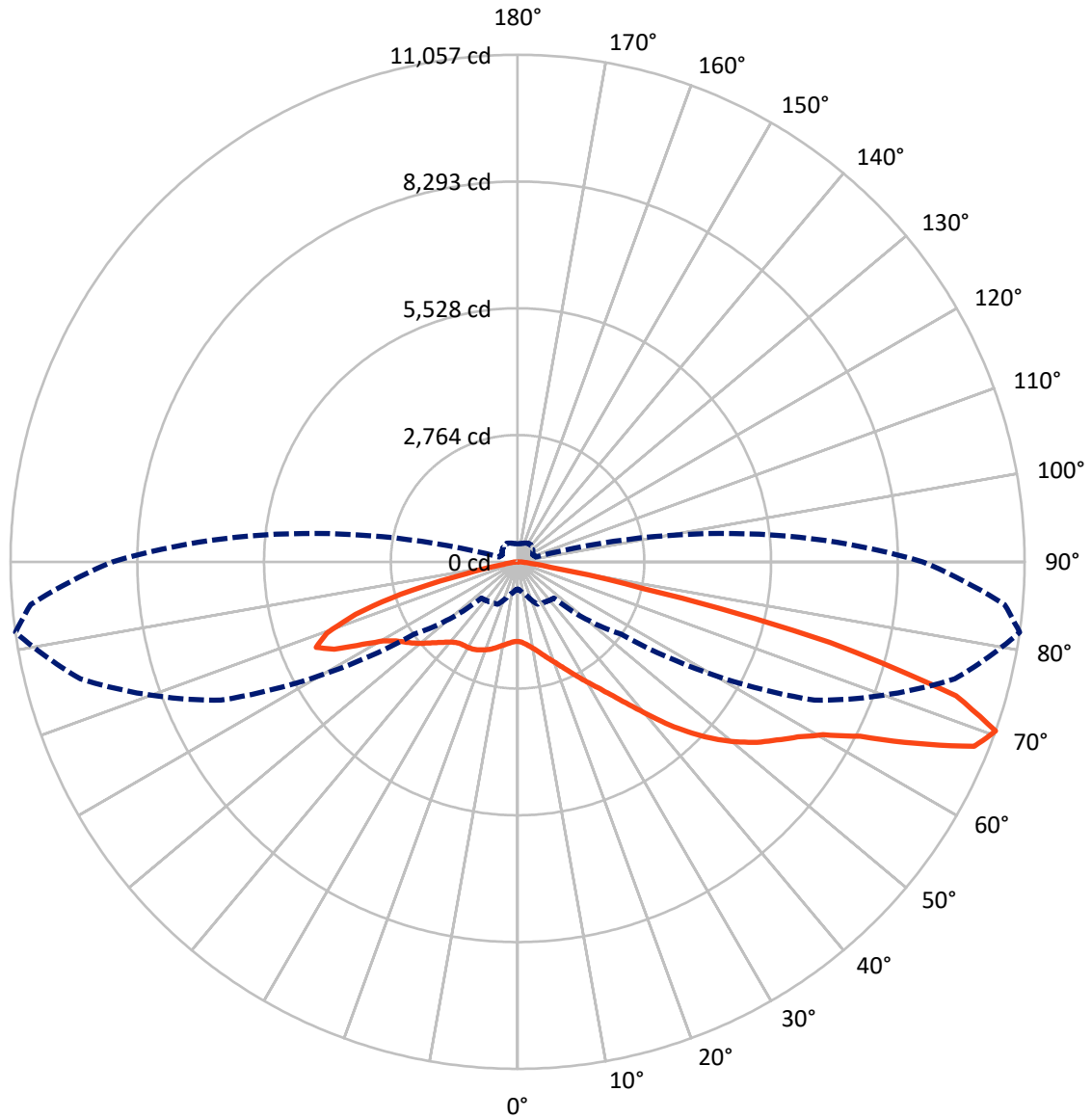
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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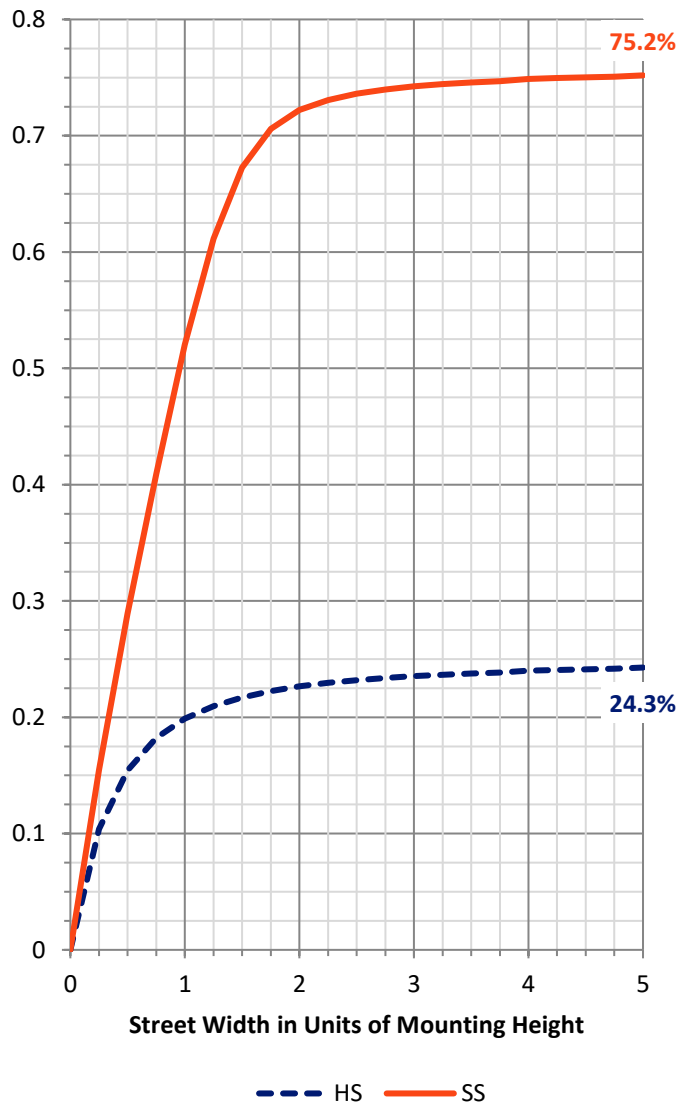
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2916.9	0.0	2916.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8915.1	0.0	8915.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	11832.0	0.0	11832.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	1.4
10°-20°	470.6	4.0
20°-30°	787.2	6.7
30°-40°	1229.8	10.4
40°-50°	1958.7	16.6
50°-60°	2725.7	23.0
60°-70°	2851.2	24.1
70°-80°	1490.2	12.6
80°-90°	154.7	1.3
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°	11832.0	100.0
0°-180°	11832.0	100.0

Coefficient of Utilization

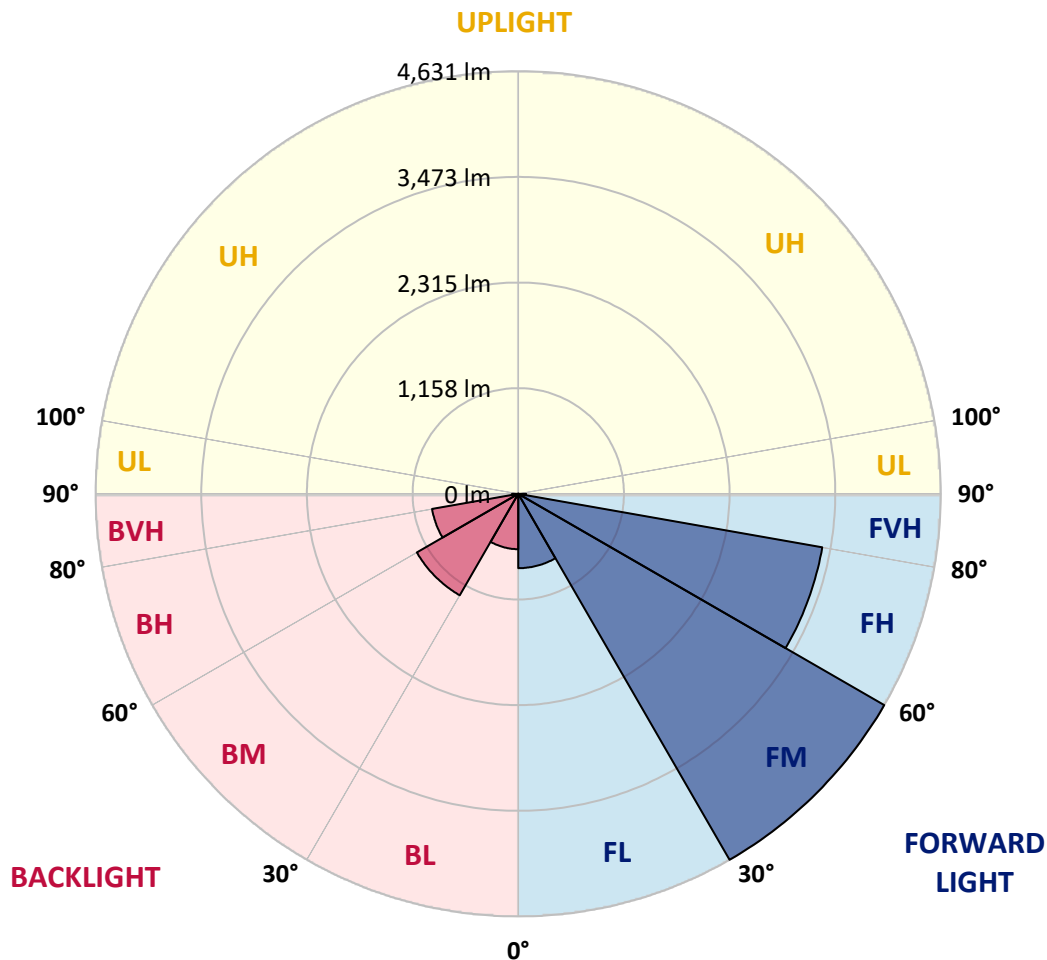


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	814.8	6.9			
FM (30°-60°)	4630.9	39.1			
FH (60°-80°)	3382.8	28.6			G2/5000
FVH (80°-90°)	86.6	0.7			G1/100
BL (0°-30°)	606.8	5.1	B2/1000		
BM (30°-60°)	1283.3	10.8	B2/2500		
BH (60°-80°)	958.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	68.1	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-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7
2.5°	1776.2	1786.2	1783.1	1779.9	1779.9	1775.5	1774.9	1768.6	1763.6	1755.4
5°	1798.8	1809.4	1808.2	1810.7	1818.8	1820.7	1822.6	1818.8	1808.8	1798.8
7.5°	1778.7	1790.6	1794.4	1809.4	1834.5	1857.1	1874.1	1881.0	1871.6	1857.1
10°	1710.9	1724.0	1737.2	1773.0	1817.6	1871.0	1916.2	1943.2	1941.3	1927.5
12.5°	1573.4	1587.2	1615.4	1685.1	1766.7	1860.9	1945.0	2001.6	2021.0	2011.0
15°	1463.5	1475.4	1496.8	1568.3	1674.4	1817.6	1955.7	2065.6	2115.2	2109.5
17.5°	1460.4	1465.4	1478.6	1512.5	1594.1	1749.8	1944.4	2128.4	2223.2	2222.6
20°	1515.6	1517.5	1525.0	1531.9	1578.4	1698.3	1915.5	2180.5	2344.4	2344.4
22.5°	1592.2	1590.9	1598.5	1592.2	1614.8	1693.9	1897.3	2226.3	2479.3	2489.4
25°	1707.1	1700.8	1698.9	1684.5	1688.9	1734.7	1917.4	2278.4	2639.4	2660.2
27.5°	1860.3	1850.2	1843.3	1810.1	1798.8	1818.8	1978.9	2341.2	2817.7	2853.5
30°	2059.9	2041.7	2031.7	1973.9	1933.1	1936.3	2071.9	2424.7	3004.2	3062.0
32.5°	2332.4	2304.2	2277.2	2182.4	2107.7	2083.2	2191.8	2540.2	3206.4	3298.7
35°	2637.6	2614.9	2586.1	2439.8	2324.9	2268.4	2353.8	2701.6	3443.1	3589.4
37.5°	2931.4	2911.9	2925.7	2728.6	2580.4	2498.2	2566.0	2918.2	3735.0	3951.0
40°	3235.3	3220.2	3222.1	3033.7	2861.1	2768.8	2823.4	3190.0	4069.7	4381.1
42.5°	3565.5	3554.2	3516.5	3349.5	3155.5	3069.5	3119.7	3504.0	4428.8	4870.8
45°	3935.3	3928.4	3893.2	3701.7	3479.5	3382.8	3450.6	3850.5	4789.8	5331.6
47.5°	4254.9	4260.5	4256.1	4094.8	3864.3	3722.5	3803.4	4212.2	5125.7	5764.8
50°	4408.7	4438.2	4481.5	4431.3	4288.1	4143.7	4159.4	4561.3	5445.9	6171.0
52.5°	4328.3	4384.2	4502.2	4582.6	4637.8	4607.7	4565.6	4907.8	5747.2	6537.7
55°	4028.8	4107.3	4303.2	4497.2	4779.1	4998.2	5053.5	5292.1	6041.1	6860.4
57.5°	3483.3	3610.7	3786.5	4178.9	4653.5	5187.2	5622.3	5825.1	6352.5	7205.1
60°	2547.8	2718.5	2937.0	3520.9	4214.1	5086.1	6106.4	6643.8	6795.1	7651.5
62.5°	1630.5	1736.0	1936.9	2486.9	3283.6	4568.2	6254.5	7667.2	7545.4	8383.5
65°	1116.3	1184.1	1368.1	1677.0	2122.7	3400.4	5857.7	8434.4	8737.0	9543.8
67.5°	811.2	862.7	1019.6	1290.2	1383.1	2012.2	4545.6	8399.2	9895.4	10739.2
70°	591.4	627.8	759.7	1019.6	1064.2	1119.4	2753.7	7139.8	9870.3	11056.9
72.5°	438.2	463.3	551.9	791.1	861.4	755.9	1363.0	5189.1	8481.5	10000.8
75°	317.1	335.9	401.2	605.2	689.4	575.7	679.9	3032.5	5916.1	7034.9
77.5°	242.3	256.8	299.5	443.3	551.9	432.0	421.9	1395.1	2805.2	2819.0
80°	194.6	204.0	227.3	312.0	423.2	323.3	275.0	563.2	886.5	750.3
82.5°	143.1	158.8	192.1	219.1	302.6	222.9	167.6	284.4	337.1	290.1
85°	81.6	92.3	116.2	157.0	193.4	136.2	96.1	126.2	157.0	128.7
87.5°	28.9	37.7	40.8	61.5	84.1	56.5	37.0	36.4	51.5	38.3
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°
1734.7	0°	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7	1734.7
1753.6	2.5°	1747.3	1744.1	1731.6	1714.6	1697.0	1680.1	1674.4	1662.5	1654.4	1650.0
1794.4	5°	1782.4	1772.4	1742.9	1705.2	1665.7	1623.0	1592.8	1565.2	1545.1	1526.3
1850.2	7.5°	1832.7	1815.1	1764.2	1698.3	1628.0	1557.0	1504.3	1464.1	1437.1	1419.5
1915.5	10°	1891.1	1864.1	1786.2	1687.6	1579.0	1477.3	1415.1	1380.6	1363.7	1354.2
1990.2	12.5°	1958.2	1919.9	1808.8	1663.1	1504.3	1388.2	1345.5	1335.4	1336.0	1336.7
2084.4	15°	2041.1	1987.7	1827.0	1609.8	1407.0	1319.7	1312.2	1328.5	1345.5	1353.6
2191.2	17.5°	2134.7	2059.3	1830.2	1521.9	1311.6	1275.8	1299.6	1334.8	1360.5	1371.8
2310.4	20°	2235.1	2132.1	1807.5	1397.6	1233.1	1240.0	1282.7	1327.9	1356.1	1370.6
2446.7	22.5°	2350.0	2210.0	1753.6	1267.0	1169.0	1201.1	1251.3	1295.2	1324.7	1339.2
2606.8	25°	2481.2	2297.3	1668.8	1157.1	1113.8	1157.1	1207.3	1243.7	1267.6	1280.8
2785.7	27.5°	2626.9	2388.3	1555.8	1069.8	1065.4	1111.9	1153.3	1181.6	1194.1	1204.2
2976.0	30°	2773.2	2471.2	1418.9	1003.9	1023.4	1067.3	1096.8	1109.4	1113.2	1115.0
3188.2	32.5°	2931.4	2542.7	1275.1	949.3	983.2	1024.0	1041.6	1047.2	1029.7	1017.7
3445.6	35°	3122.9	2619.3	1134.5	906.0	943.6	978.8	984.5	979.4	958.7	934.2
3768.3	37.5°	3359.6	2714.8	1022.1	875.2	906.6	929.8	922.9	921.7	923.6	894.7
4156.3	40°	3649.6	2839.1	939.9	851.3	876.5	881.5	862.0	872.7	882.1	838.2
4582.0	42.5°	3971.7	2989.1	887.8	835.0	851.3	839.4	809.3	821.2	820.0	762.2
5009.5	45°	4300.1	3152.4	869.6	823.1	828.1	804.3	771.0	774.1	747.8	695.6
5419.5	47.5°	4626.5	3327.5	880.9	813.1	799.2	772.2	746.5	732.7	693.8	654.8
5812.5	50°	4946.7	3511.5	922.3	793.0	759.7	744.0	725.2	700.7	659.2	626.0
6184.2	52.5°	5243.7	3696.7	968.8	759.7	710.1	719.5	707.6	679.3	638.5	604.6
6535.8	55°	5525.0	3881.9	987.0	713.9	663.6	698.2	691.3	639.1	590.2	562.5
6903.7	57.5°	5831.4	4104.8	966.9	655.5	626.0	673.7	647.3	589.5	561.3	540.6
7382.8	60°	6255.8	4454.5	923.6	583.3	590.2	637.3	592.1	568.2	537.4	514.2
8101.0	62.5°	6960.9	5106.8	853.9	511.7	548.1	583.3	565.7	541.8	510.4	487.8
9329.1	65°	8003.1	6013.4	722.6	455.8	501.0	530.5	537.4	513.6	480.9	457.1
10405.2	67.5°	8882.0	6582.3	546.8	409.4	452.7	487.8	507.3	484.1	449.5	426.3
10656.9	70°	8833.7	6169.1	417.5	363.5	410.0	445.8	470.9	452.7	415.6	393.7
9680.0	72.5°	7846.1	5160.8	337.8	317.1	366.7	401.8	432.0	418.1	380.5	359.1
7091.4	75°	5764.2	3663.4	270.0	270.0	312.7	356.0	389.3	380.5	345.9	330.9
2977.2	77.5°	2429.7	1536.9	211.6	224.1	259.9	305.8	347.2	350.3	320.2	339.0
787.3	80°	646.0	423.8	161.4	176.4	204.0	252.4	302.0	300.7	268.1	250.5
292.6	82.5°	246.1	167.0	114.9	124.3	147.5	193.4	239.2	246.7	214.1	185.2
114.9	85°	94.8	71.6	70.9	74.7	86.0	128.1	180.8	187.1	161.4	136.9
32.0	87.5°	24.5	21.3	26.4	25.1	39.6	68.4	103.6	107.4	98.6	57.1
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°
1734.7
1655.0
1533.8
1423.3
1356.8
1337.9
1353.0
1374.3
1374.3
1342.9
1284.6
1208.0
1119.4
1021.5
935.5
896.6
839.4
761.6
697.5
654.8
623.4
605.2
560.0
538.7
512.9
487.8
458.3
426.9
395.5
359.1
326.5
307.6
232.9
185.2
141.3
81.6
0.0

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