

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: P846656

Luminaire Tested: **GLAN-SB2B-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846656
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-SB2B-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9581 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

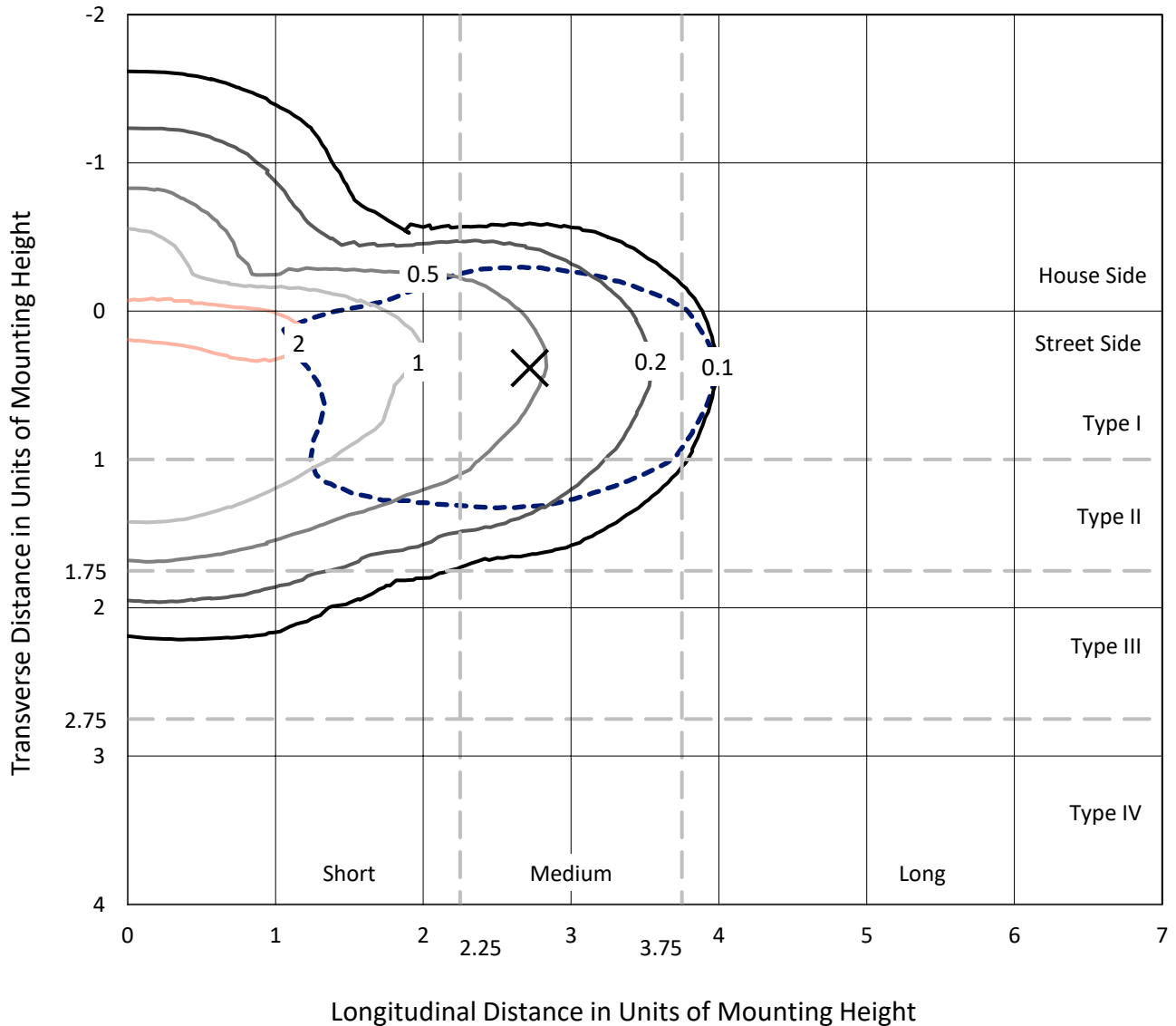
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

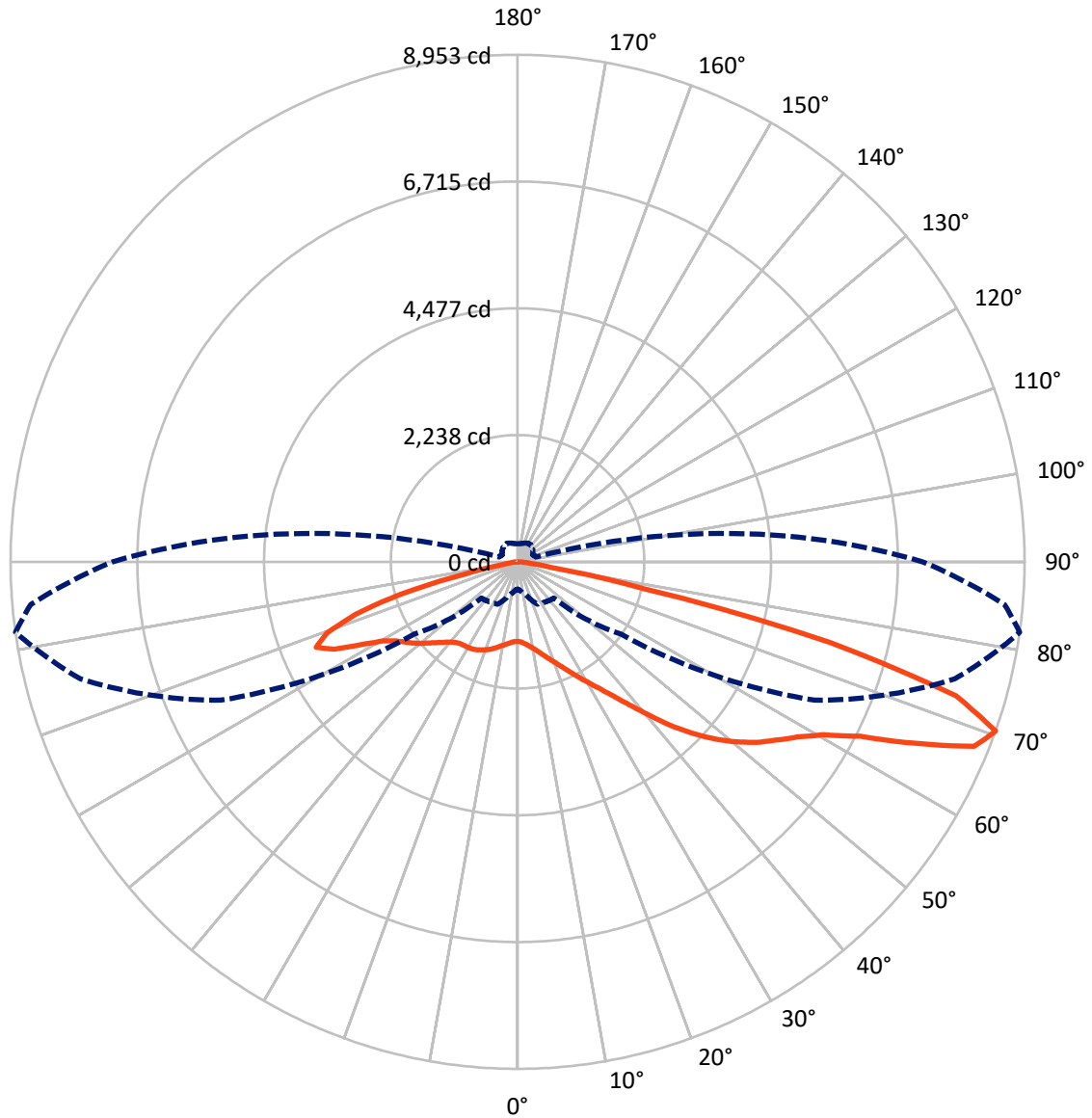
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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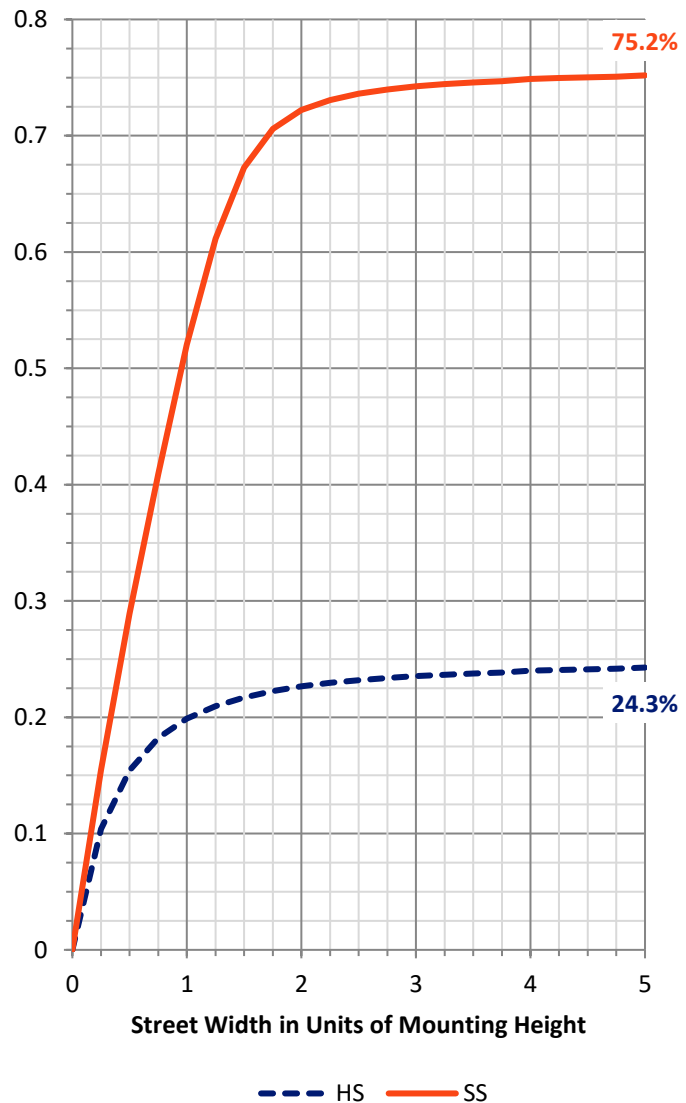
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2362.0	0.0	2362.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	7219.0	0.0	7219.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	9581.0	0.0	9581.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	1.4
10°-20°	381.0	4.0
20°-30°	637.5	6.7
30°-40°	995.9	10.4
40°-50°	1586.0	16.6
50°-60°	2207.2	23.0
60°-70°	2308.8	24.1
70°-80°	1206.7	12.6
80°-90°	125.3	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°	9581.0	100.0
0°-180°	9581.0	100.0

Coefficient of Utilization



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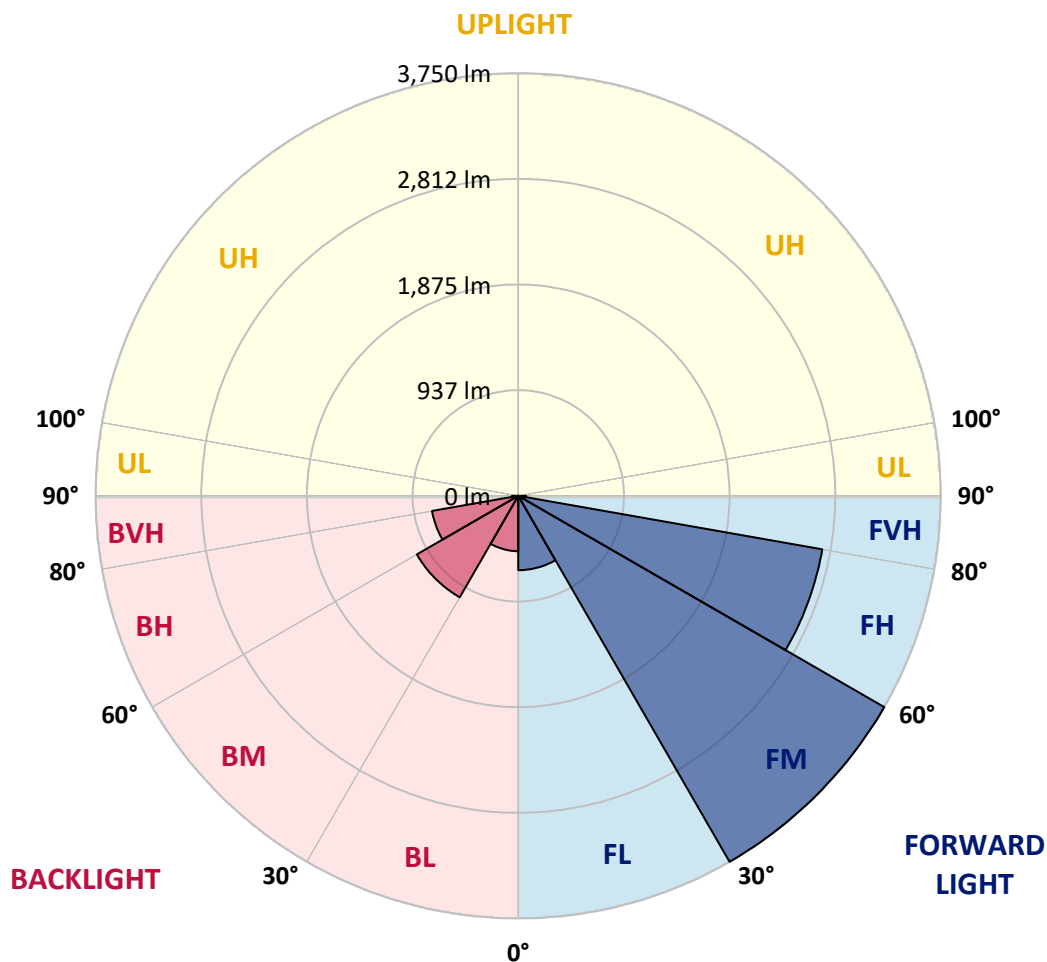
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.8	6.9			
FM (30°-60°)	3749.9	39.1			
FH (60°-80°)	2739.2	28.6			G2/5000
FVH (80°-90°)	70.1	0.7			G1/100
BL (0°-30°)	491.4	5.1	B1/500		
BM (30°-60°)	1039.2	10.8	B2/2500		
BH (60°-80°)	776.3	8.1	B2/1000		G2/1000
BVH (80°-90°)	55.2	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°	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7
2.5°	1438.2	1446.4	1443.8	1441.3	1441.3	1437.7	1437.2	1432.1	1428.1	1421.5
5°	1456.6	1465.2	1464.2	1466.2	1472.8	1474.3	1475.9	1472.8	1464.7	1456.6
7.5°	1440.3	1449.9	1453.0	1465.2	1485.5	1503.8	1517.6	1523.2	1515.5	1503.8
10°	1385.4	1396.1	1406.7	1435.7	1471.8	1515.0	1551.6	1573.5	1572.0	1560.8
12.5°	1274.0	1285.2	1308.1	1364.5	1430.6	1506.9	1575.0	1620.8	1636.5	1628.4
15°	1185.1	1194.7	1212.0	1270.0	1355.9	1471.8	1583.6	1672.6	1712.8	1708.2
17.5°	1182.5	1186.6	1197.3	1224.7	1290.8	1416.9	1574.5	1723.5	1800.2	1799.7
20°	1227.3	1228.8	1234.9	1240.5	1278.1	1375.2	1551.1	1765.7	1898.3	1898.3
22.5°	1289.3	1288.3	1294.4	1289.3	1307.6	1371.6	1536.4	1802.8	2007.7	2015.8
25°	1382.3	1377.2	1375.7	1364.0	1367.6	1404.7	1552.6	1845.0	2137.3	2154.1
27.5°	1506.4	1498.2	1492.6	1465.7	1456.6	1472.8	1602.5	1895.8	2281.7	2310.7
30°	1668.0	1653.3	1645.2	1598.4	1565.3	1567.9	1677.7	1963.4	2432.7	2479.4
32.5°	1888.7	1865.8	1843.9	1767.2	1706.7	1686.9	1774.8	2057.0	2596.4	2671.1
35°	2135.8	2117.5	2094.1	1975.6	1882.6	1836.8	1906.0	2187.6	2788.0	2906.5
37.5°	2373.7	2357.9	2369.1	2209.5	2089.5	2022.9	2077.8	2363.0	3024.4	3199.3
40°	2619.8	2607.6	2609.1	2456.6	2316.8	2242.0	2286.3	2583.2	3295.4	3547.6
42.5°	2887.2	2878.0	2847.5	2712.3	2555.2	2485.5	2526.2	2837.4	3586.2	3944.1
45°	3186.6	3181.0	3152.6	2997.5	2817.5	2739.2	2794.1	3118.0	3878.5	4317.3
47.5°	3445.4	3450.0	3446.4	3315.7	3129.2	3014.3	3079.9	3410.8	4150.5	4668.1
50°	3569.9	3593.8	3628.9	3588.2	3472.3	3355.4	3368.1	3693.5	4409.8	4997.0
52.5°	3504.9	3550.1	3645.7	3710.8	3755.5	3731.1	3697.0	3974.1	4653.8	5293.9
55°	3262.4	3325.9	3484.5	3641.6	3869.9	4047.3	4092.1	4285.3	4891.8	5555.2
57.5°	2820.6	2923.8	3066.1	3383.9	3768.2	4200.4	4552.7	4716.9	5143.9	5834.3
60°	2063.1	2201.3	2378.3	2851.1	3412.3	4118.5	4944.6	5379.8	5502.4	6195.8
62.5°	1320.3	1405.7	1568.4	2013.8	2658.9	3699.1	5064.6	6208.5	6109.9	6788.6
65°	903.9	958.8	1107.8	1357.9	1718.9	2753.5	4743.3	6829.8	7074.8	7728.1
67.5°	656.8	698.5	825.6	1044.8	1120.0	1629.4	3680.8	6801.3	8012.8	8696.1
70°	478.9	508.4	615.2	825.6	861.7	906.5	2229.8	5781.5	7992.5	8953.3
72.5°	354.9	375.2	446.9	640.6	697.5	612.1	1103.7	4201.9	6867.9	8098.2
75°	256.7	272.0	324.9	490.1	558.2	466.2	550.6	2455.5	4790.6	5696.6
77.5°	196.2	207.9	242.5	358.9	446.9	349.8	341.6	1129.7	2271.5	2282.7
80°	157.6	165.2	184.0	252.7	342.7	261.8	222.7	456.0	717.9	607.5
82.5°	115.9	128.6	155.6	177.4	245.0	180.5	135.7	230.3	273.0	234.9
85°	66.1	74.7	94.1	127.1	156.6	110.3	77.8	102.2	127.1	104.2
87.5°	23.4	30.5	33.0	49.8	68.1	45.8	30.0	29.5	41.7	31.0
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°
1404.7	0°	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7	1404.7
1419.9	2.5°	1414.9	1412.3	1402.2	1388.4	1374.2	1360.5	1355.9	1346.2	1339.6	1336.1
1453.0	5°	1443.3	1435.2	1411.3	1380.8	1348.8	1314.2	1289.8	1267.4	1251.2	1235.9
1498.2	7.5°	1484.0	1469.8	1428.6	1375.2	1318.3	1260.8	1218.1	1185.6	1163.7	1149.5
1551.1	10°	1531.3	1509.4	1446.4	1366.6	1278.6	1196.3	1145.9	1118.0	1104.2	1096.6
1611.6	12.5°	1585.7	1554.7	1464.7	1346.7	1218.1	1124.1	1089.5	1081.4	1081.9	1082.4
1687.9	15°	1652.8	1609.6	1479.4	1303.5	1139.3	1068.6	1062.5	1075.8	1089.5	1096.1
1774.3	17.5°	1728.5	1667.5	1482.0	1232.3	1062.0	1033.1	1052.4	1080.8	1101.7	1110.8
1870.9	20°	1809.9	1726.5	1463.7	1131.7	998.5	1004.1	1038.7	1075.3	1098.1	1109.8
1981.2	22.5°	1902.9	1789.5	1419.9	1025.9	946.6	972.6	1013.2	1048.8	1072.7	1084.4
2110.9	25°	2009.2	1860.2	1351.3	937.0	901.9	937.0	977.6	1007.1	1026.4	1037.1
2255.7	27.5°	2127.1	1933.9	1259.8	866.3	862.7	900.4	933.9	956.8	967.0	975.1
2409.8	30°	2245.6	2001.0	1149.0	812.9	828.7	864.3	888.2	898.3	901.4	902.9
2581.6	32.5°	2373.7	2059.0	1032.5	768.7	796.1	829.2	843.4	848.0	833.8	824.1
2790.1	35°	2528.8	2121.0	918.7	733.6	764.1	792.6	797.2	793.1	776.3	756.5
3051.4	37.5°	2720.4	2198.3	827.7	708.7	734.1	752.9	747.3	746.3	747.8	724.5
3365.6	40°	2955.3	2299.0	761.1	689.4	709.7	713.8	698.0	706.7	714.3	678.7
3710.3	42.5°	3216.1	2420.5	718.9	676.2	689.4	679.7	655.3	665.0	664.0	617.2
4056.5	45°	3482.0	2552.6	704.1	666.5	670.6	651.3	624.3	626.9	605.5	563.3
4388.5	47.5°	3746.4	2694.5	713.3	658.4	647.2	625.3	604.5	593.3	561.8	530.3
4706.7	50°	4005.6	2843.5	746.8	642.1	615.2	602.4	587.2	567.4	533.8	506.9
5007.7	52.5°	4246.1	2993.4	784.5	615.2	575.0	582.6	573.0	550.1	517.0	489.6
5292.4	55°	4473.9	3143.4	799.2	578.0	537.4	565.3	559.7	517.5	477.9	455.5
5590.3	57.5°	4722.0	3323.9	782.9	530.8	506.9	545.5	524.2	477.4	454.5	437.7
5978.2	60°	5065.6	3607.1	747.8	472.3	477.9	516.0	479.4	460.1	435.2	416.4
6559.8	62.5°	5636.6	4135.3	691.4	414.3	443.8	472.3	458.1	438.7	413.3	395.0
7554.2	65°	6480.5	4869.4	585.2	369.1	405.7	429.6	435.2	415.9	389.4	370.1
8425.6	67.5°	7192.3	5330.0	442.8	331.5	366.6	395.0	410.8	392.0	364.0	345.2
8629.5	70°	7153.1	4995.5	338.1	294.4	332.0	361.0	381.3	366.6	336.6	318.8
7838.4	72.5°	6353.4	4179.0	273.5	256.7	296.9	325.4	349.8	338.6	308.1	290.8
5742.3	75°	4667.6	2966.5	218.6	218.6	253.2	288.3	315.2	308.1	280.1	267.9
2410.8	77.5°	1967.5	1244.6	171.3	181.5	210.5	247.6	281.1	283.7	259.3	274.5
637.5	80°	523.1	343.2	130.7	142.9	165.2	204.4	244.5	243.5	217.1	202.8
236.9	82.5°	199.3	135.2	93.0	100.7	119.5	156.6	193.7	199.8	173.4	150.0
93.0	85°	76.8	58.0	57.4	60.5	69.7	103.7	146.4	151.5	130.7	110.8
25.9	87.5°	19.8	17.3	21.4	20.3	32.0	55.4	83.9	86.9	79.8	46.3
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°
1404.7
1340.1
1242.0
1152.5
1098.6
1083.4
1095.6
1112.9
1112.9
1087.5
1040.2
978.2
906.5
827.2
757.5
726.0
679.7
616.7
564.8
530.3
504.8
490.1
453.5
436.2
415.4
395.0
371.1
345.7
320.3
290.8
264.4
249.1
188.6
150.0
114.4
66.1
0.0

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