

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: P939567

Luminaire Tested: **GLAN-SB2B-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9309 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
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

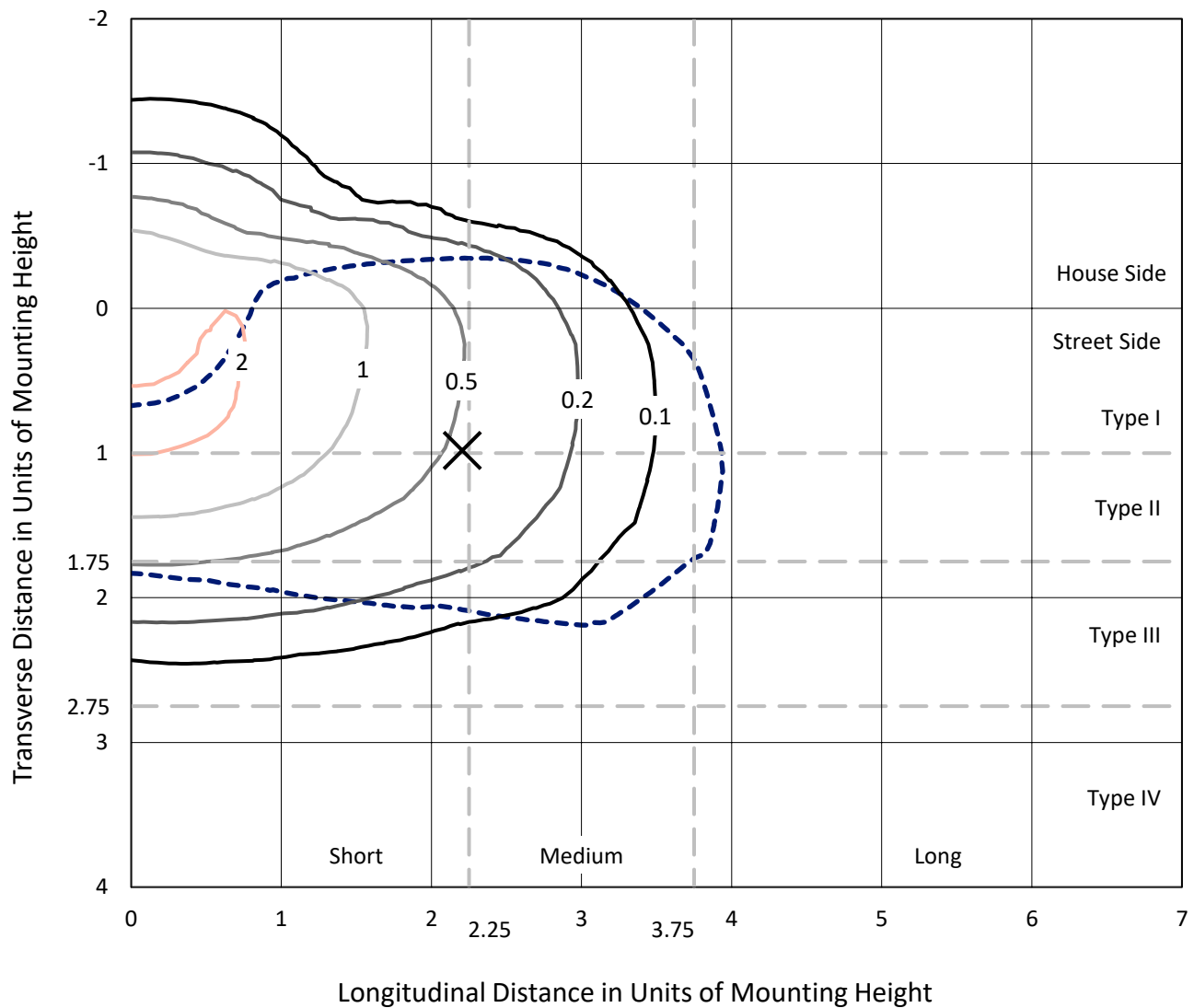


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

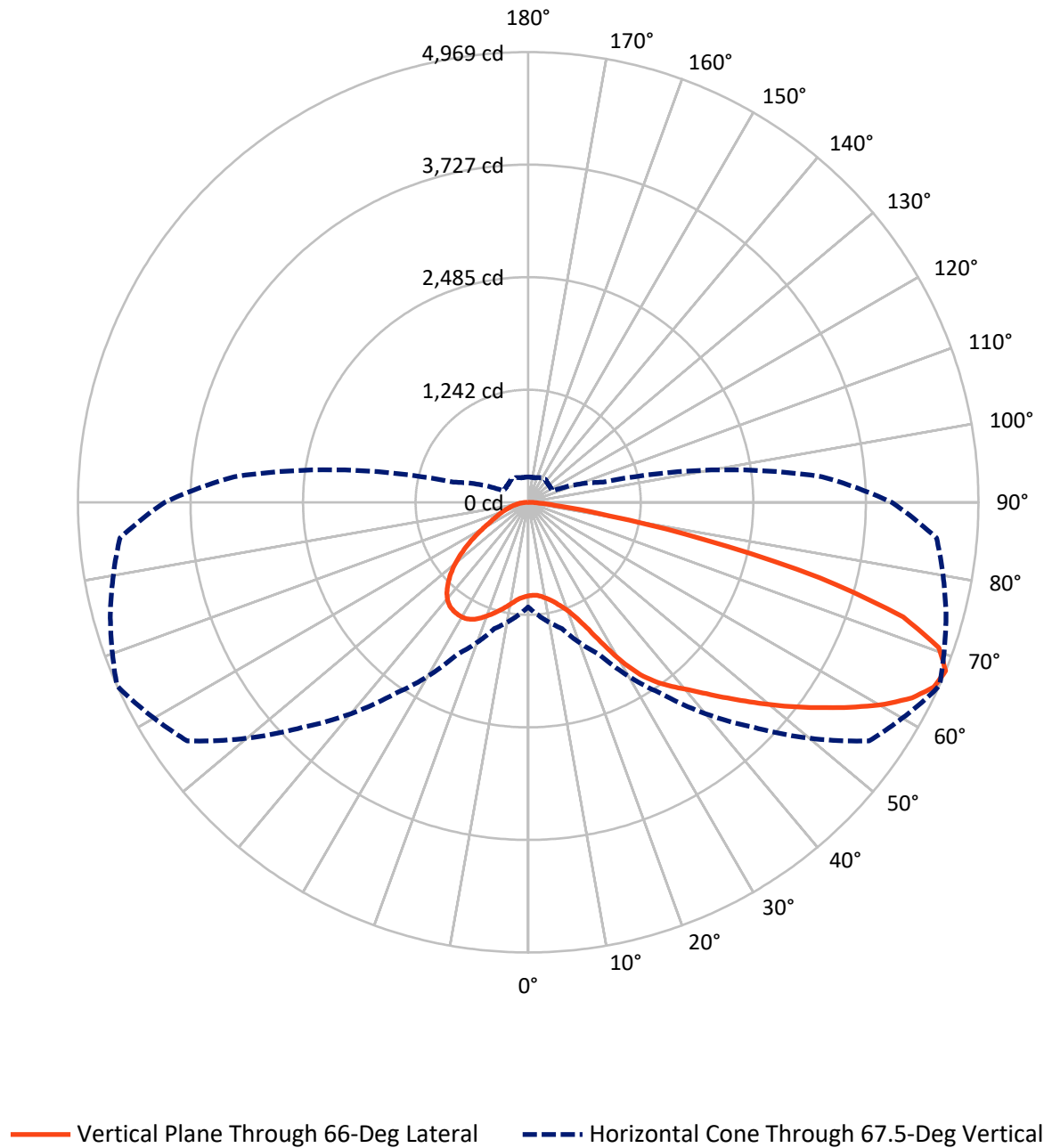


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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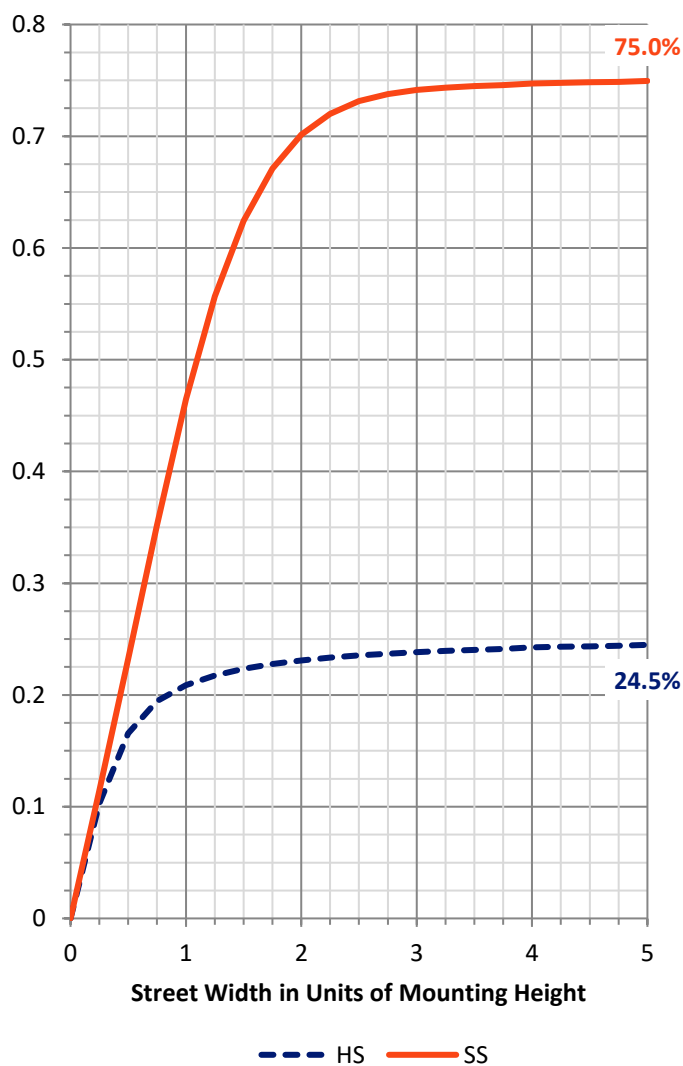
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2314.7	0.0	2314.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6994.4	0.0	6994.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	9309.0	0.0	9309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	1.1
10°-20°	338.2	3.6
20°-30°	651.9	7.0
30°-40°	1143.0	12.3
40°-50°	1699.2	18.3
50°-60°	2154.0	23.1
60°-70°	2107.6	22.6
70°-80°	1005.3	10.8
80°-90°	107.4	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°	9309.0	100.0
0°-180°	9309.0	100.0

Coefficient of Utilization



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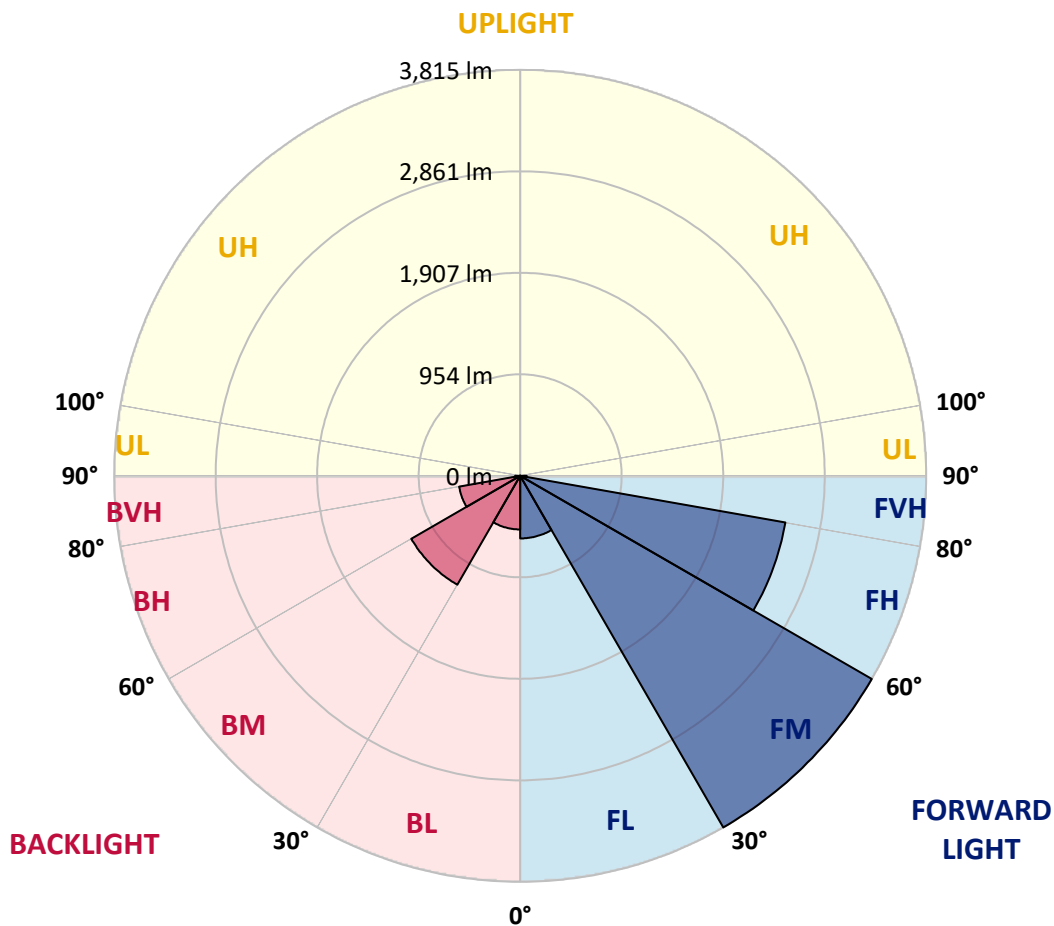
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	588.2	6.3			
FM	(30°-60°)	3814.8	41.0			
FH	(60°-80°)	2530.4	27.2			G2/5000
FVH	(80°-90°)	60.9	0.7			G1/100
BL	(0°-30°)	504.2	5.4	B2/1000		
BM	(30°-60°)	1181.4	12.7	B2/2500		
BH	(60°-80°)	582.5	6.3	B2/1000		G2/1000
BVH	(80°-90°)	46.5	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°	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5
2.5°	1021.7	1027.6	1026.1	1023.7	1023.2	1024.2	1025.6	1027.1	1026.6	1029.1
5°	1018.8	1024.7	1024.2	1024.2	1026.1	1030.0	1032.5	1034.9	1032.5	1035.4
7.5°	1020.8	1025.2	1027.1	1029.1	1034.0	1041.3	1047.2	1052.5	1049.6	1053.0
10°	1045.7	1049.1	1051.1	1051.1	1054.5	1062.8	1068.7	1078.5	1076.0	1081.4
12.5°	1091.2	1094.6	1094.6	1092.7	1095.1	1100.5	1102.4	1113.2	1108.8	1117.6
15°	1146.9	1153.8	1148.4	1145.0	1146.0	1151.3	1150.9	1159.2	1154.8	1162.1
17.5°	1208.6	1217.4	1208.6	1208.1	1206.1	1212.0	1212.5	1219.8	1212.0	1217.4
20°	1281.4	1293.7	1286.3	1288.8	1284.4	1286.8	1289.3	1300.0	1287.8	1291.7
22.5°	1384.2	1398.8	1391.0	1400.3	1397.4	1395.4	1394.9	1414.0	1394.9	1396.4
25°	1533.8	1551.4	1537.7	1550.4	1550.4	1556.8	1564.1	1588.6	1556.8	1547.5
27.5°	1754.9	1772.5	1745.6	1753.4	1751.0	1766.6	1758.8	1819.5	1785.2	1770.1
30°	2021.0	2052.3	2001.4	1999.4	1997.0	2021.9	2033.2	2073.3	2038.6	2023.4
32.5°	2308.6	2341.3	2280.7	2263.1	2253.8	2268.9	2259.6	2291.9	2268.0	2244.5
35°	2612.8	2645.1	2587.3	2553.1	2515.9	2484.1	2450.9	2459.2	2436.7	2401.0
37.5°	2900.4	2959.5	2898.4	2861.7	2793.3	2731.1	2638.2	2599.6	2578.5	2545.8
40°	3193.3	3227.1	3180.6	3149.3	3075.0	2977.6	2829.0	2747.3	2718.9	2687.1
42.5°	3409.0	3441.3	3416.4	3394.8	3336.6	3223.7	3031.4	2929.2	2888.1	2852.4
45°	3580.2	3604.2	3588.5	3596.4	3571.4	3461.9	3241.3	3124.4	3081.8	3038.3
47.5°	3649.2	3674.6	3699.6	3746.0	3788.6	3707.9	3466.7	3335.7	3290.7	3246.2
50°	3641.4	3667.3	3739.7	3838.5	3970.5	3943.6	3704.4	3560.7	3519.1	3468.2
52.5°	3578.7	3608.1	3701.0	3865.4	4075.7	4120.2	3946.6	3793.0	3753.8	3693.2
55°	3414.4	3432.0	3571.4	3804.2	4100.6	4243.4	4183.8	4040.5	4001.3	3916.7
57.5°	3109.7	3135.1	3338.1	3639.4	4038.0	4327.1	4392.1	4300.7	4263.0	4141.2
60°	2712.1	2752.7	2985.0	3362.6	3878.6	4326.6	4581.4	4556.5	4525.2	4362.3
62.5°	2262.1	2309.0	2532.6	2971.3	3599.8	4203.8	4699.8	4770.7	4754.5	4566.2
65°	1737.3	1769.6	1992.1	2465.1	3165.9	3940.2	4713.5	4916.9	4919.9	4721.3
67.5°	1156.7	1249.7	1442.8	1849.8	2584.9	3509.3	4593.1	4940.9	4969.3	4774.6
70°	564.4	686.7	876.0	1202.2	1849.8	2848.5	4278.7	4744.3	4807.4	4619.1
72.5°	234.3	273.9	377.1	593.3	1061.8	1922.2	3646.7	4211.2	4328.1	4092.8
75°	158.0	171.2	215.7	304.2	483.7	947.9	2629.9	3140.0	3328.3	3091.1
77.5°	121.8	130.1	157.0	212.8	287.6	358.5	1407.6	1892.3	1989.7	1842.0
80°	95.9	102.2	117.4	155.0	204.0	191.7	479.8	857.4	913.6	766.4
82.5°	83.1	85.6	84.1	105.2	135.5	112.0	157.5	316.4	349.2	253.4
85°	60.2	67.0	69.9	65.1	71.9	56.7	64.6	112.0	123.3	110.0
87.5°	24.5	36.2	44.5	42.1	26.4	16.1	20.1	32.8	37.7	41.1
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°
1032.5	0°	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5
1033.0	2.5°	1033.5	1036.9	1039.3	1042.3	1044.2	1047.2	1053.0	1056.5	1056.9	1059.4
1040.8	5°	1042.8	1047.7	1053.0	1060.9	1069.7	1077.0	1088.2	1096.1	1099.0	1101.5
1059.9	7.5°	1062.8	1069.7	1079.4	1093.1	1105.9	1115.6	1129.3	1138.6	1147.9	1151.3
1090.2	10°	1092.7	1102.4	1116.6	1135.2	1148.9	1161.6	1175.8	1183.6	1192.9	1196.8
1126.4	12.5°	1129.8	1140.1	1158.7	1184.6	1197.3	1206.1	1211.0	1209.1	1211.0	1214.4
1169.9	15°	1172.4	1183.6	1204.7	1232.5	1241.3	1233.5	1222.8	1213.0	1211.5	1212.5
1222.8	17.5°	1222.8	1231.1	1255.5	1279.0	1272.6	1240.4	1216.9	1201.2	1193.4	1191.0
1290.2	20°	1293.2	1293.2	1313.2	1327.9	1285.4	1230.6	1193.9	1168.5	1152.3	1145.5
1382.2	22.5°	1378.8	1370.9	1383.7	1373.4	1282.9	1203.2	1152.3	1108.3	1083.8	1074.1
1510.8	25°	1487.4	1478.1	1474.6	1411.1	1265.3	1159.7	1077.0	1023.7	1002.2	996.8
1696.2	27.5°	1651.2	1627.7	1583.2	1431.6	1233.0	1091.2	989.0	939.6	927.3	927.8
1934.4	30°	1869.3	1822.4	1713.3	1435.0	1180.2	994.3	899.0	863.8	857.9	860.3
2134.4	32.5°	2071.3	2026.8	1846.4	1419.4	1099.0	899.5	818.3	794.8	786.0	788.9
2287.0	35°	2229.8	2217.6	1969.6	1397.4	999.2	810.4	745.9	725.8	708.7	704.8
2430.8	37.5°	2379.5	2374.6	2062.0	1366.5	900.4	747.3	687.7	661.3	636.3	622.6
2589.8	40°	2543.8	2538.9	2122.7	1319.1	812.9	692.6	635.3	600.6	569.8	544.9
2769.8	42.5°	2728.7	2699.8	2151.6	1251.1	738.5	646.1	592.8	545.8	505.2	482.3
2973.2	45°	2930.7	2865.6	2151.1	1164.5	675.9	603.5	547.3	480.8	443.1	421.6
3182.1	47.5°	3144.9	3024.1	2124.7	1068.7	615.3	556.6	476.9	426.0	401.1	387.9
3409.0	50°	3366.0	3172.3	2079.7	958.6	553.2	503.3	432.9	398.1	379.1	366.8
3634.0	52.5°	3573.9	3306.8	2025.4	833.9	490.1	451.4	413.3	386.4	366.3	352.6
3852.2	55°	3767.1	3422.7	1948.6	706.3	438.7	416.7	404.0	381.5	358.5	342.4
4073.7	57.5°	3938.7	3498.0	1816.0	586.4	402.0	392.7	394.2	373.2	346.8	333.1
4291.9	60°	4081.5	3553.3	1619.9	475.4	372.2	369.3	379.1	357.5	326.7	311.1
4476.2	62.5°	4167.1	3552.3	1379.3	389.3	346.8	347.8	359.0	338.0	306.7	292.0
4572.6	65°	4159.8	3465.3	1115.1	333.1	322.3	323.3	338.0	316.4	290.0	281.2
4524.2	67.5°	4012.6	3253.0	855.4	296.4	295.4	299.8	316.9	301.8	279.8	278.8
4235.6	70°	3614.0	2812.3	616.3	267.0	267.5	273.9	296.4	292.5	274.4	276.3
3561.1	72.5°	2897.9	2144.2	413.8	236.2	236.7	247.0	276.8	285.1	269.0	294.9
2526.7	75°	1930.0	1337.2	266.1	203.5	204.0	217.2	259.7	271.0	254.3	293.9
1314.7	77.5°	927.3	601.1	192.7	171.2	171.2	183.4	224.5	242.6	216.7	228.4
422.6	80°	320.4	226.0	151.6	137.9	135.0	143.3	189.3	210.3	186.8	172.2
137.9	82.5°	126.2	117.4	121.8	107.1	97.3	102.7	147.2	173.6	137.4	124.2
77.8	85°	72.4	76.3	86.1	70.9	56.2	63.1	108.1	124.7	103.7	91.5
25.4	87.5°	19.6	26.9	39.6	36.7	25.4	26.9	51.4	69.0	59.7	46.0
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°
1032.5
1058.9
1101.0
1151.8
1198.8
1215.4
1215.9
1194.4
1144.0
1072.6
997.8
929.3
868.6
792.8
707.7
623.1
547.3
483.7
420.6
384.9
362.4
346.8
336.0
324.3
304.2
287.6
280.7
280.3
275.9
298.8
296.4
209.3
161.4
123.7
93.4
47.4
0.0

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