

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: P852219

Luminaire Tested: **GLAN-SB2B-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852219
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-SB2B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8704 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

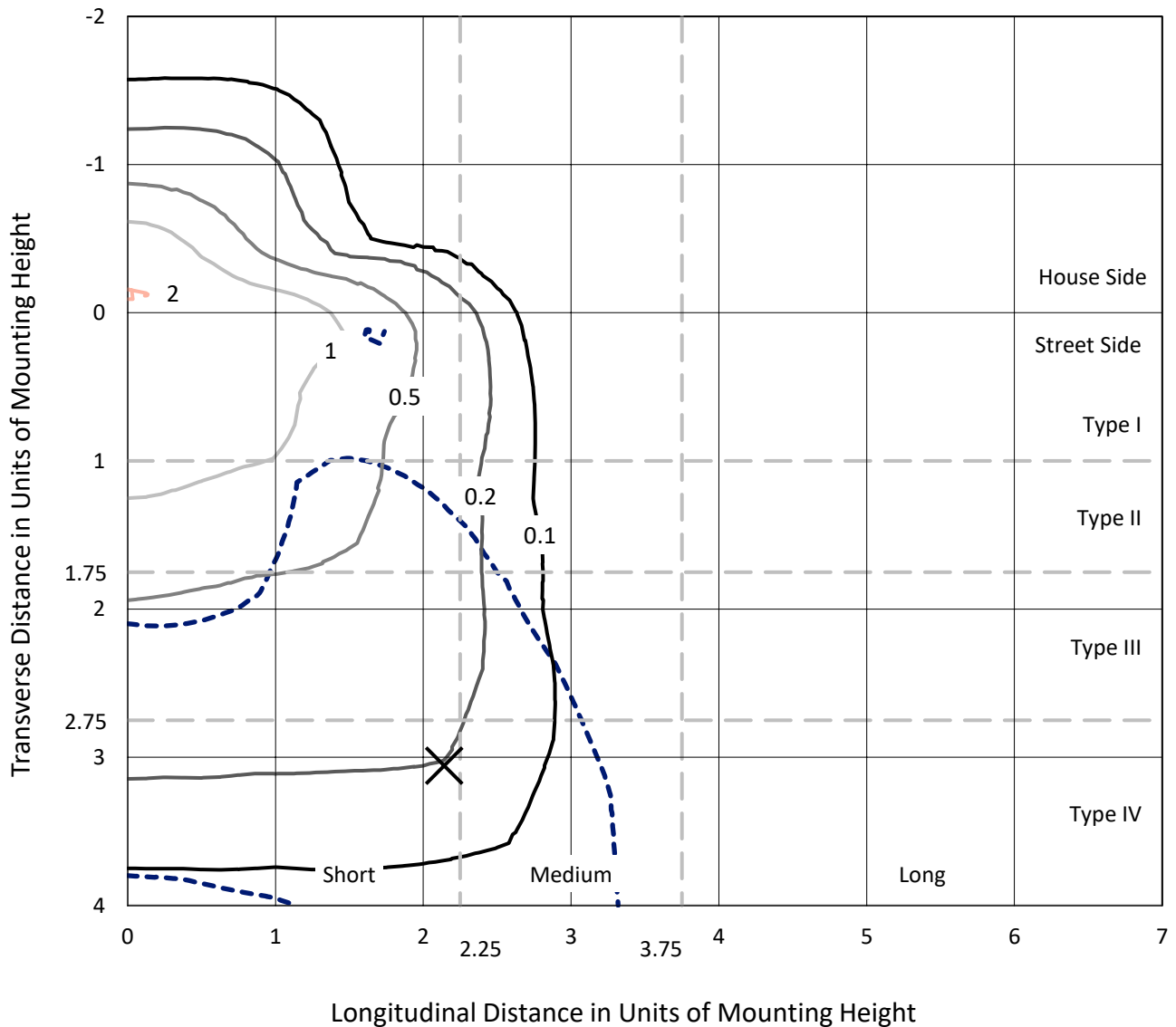
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

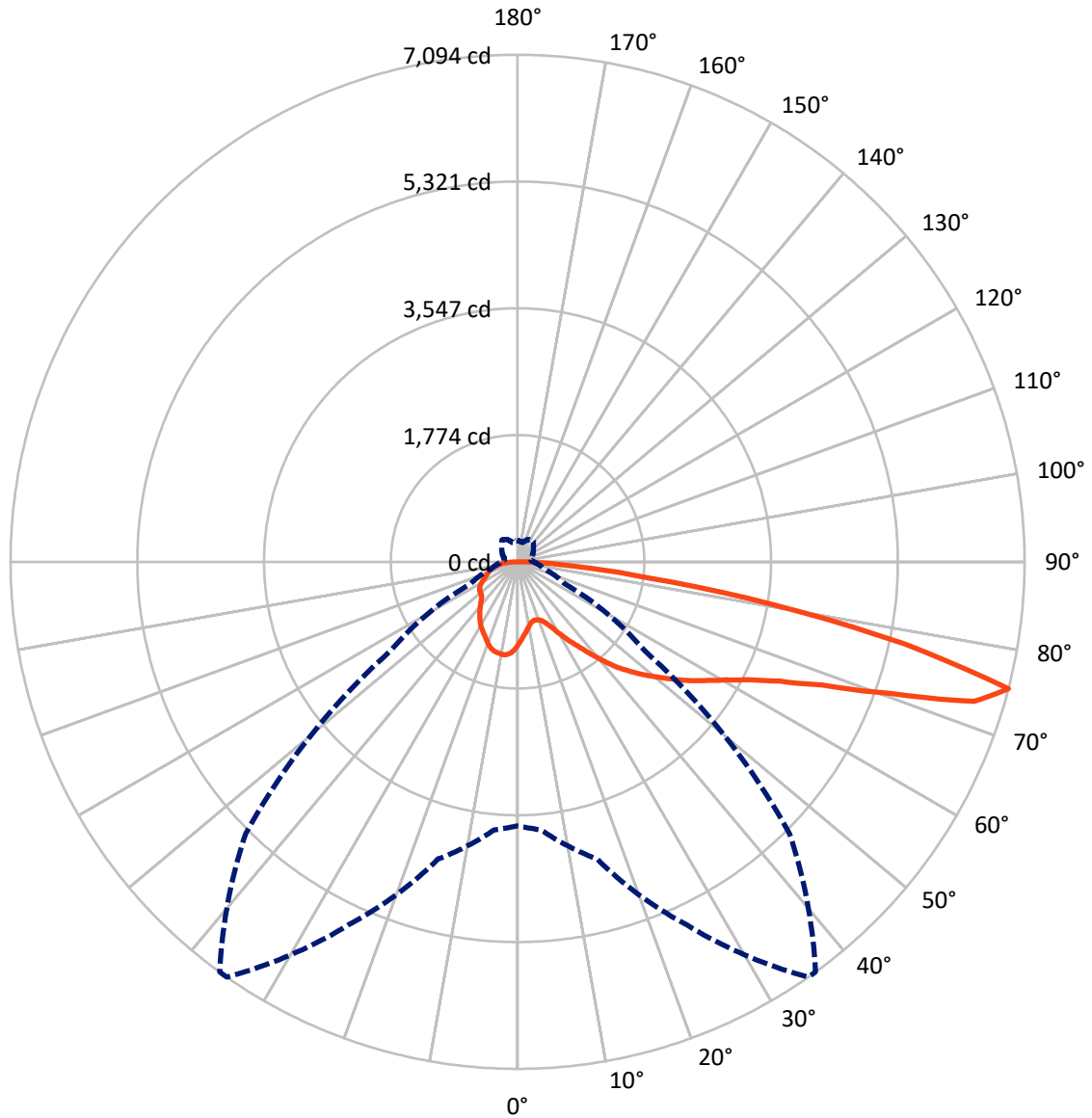
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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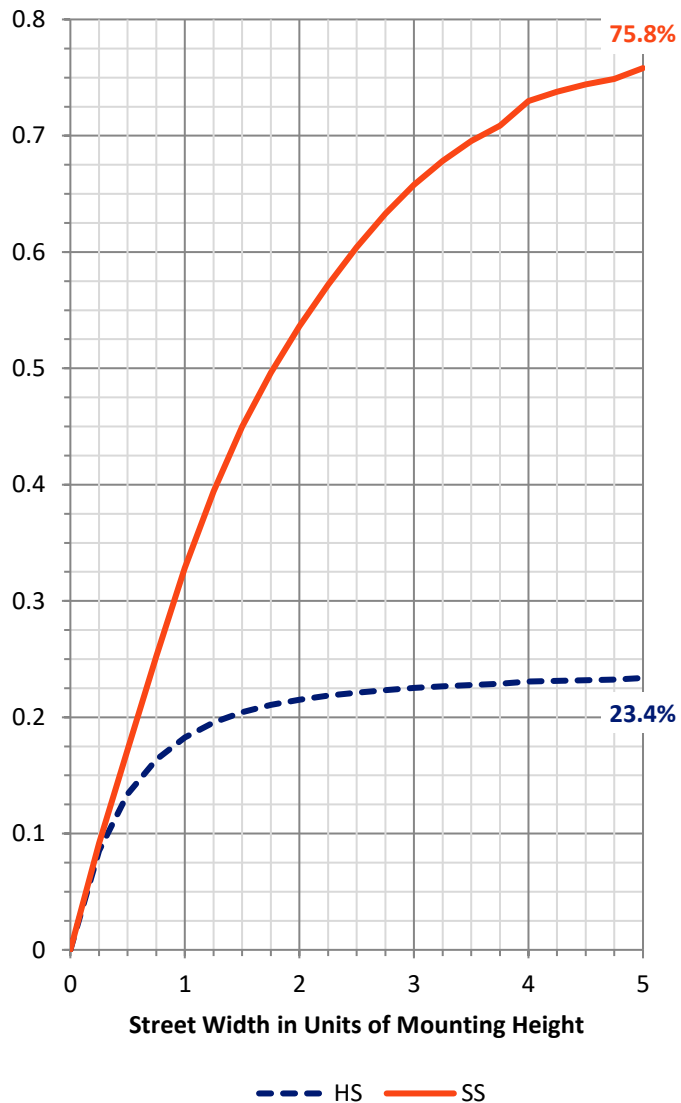
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2071.3	0.0	2071.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6632.7	0.0	6632.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	8704.0	0.0	8704.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	1.3
10°-20°	316.8	3.6
20°-30°	531.9	6.1
30°-40°	826.7	9.5
40°-50°	1227.0	14.1
50°-60°	1694.0	19.5
60°-70°	2055.2	23.6
70°-80°	1698.4	19.5
80°-90°	244.3	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°	8704.0	100.0
0°-180°	8704.0	100.0

Coefficient of Utilization



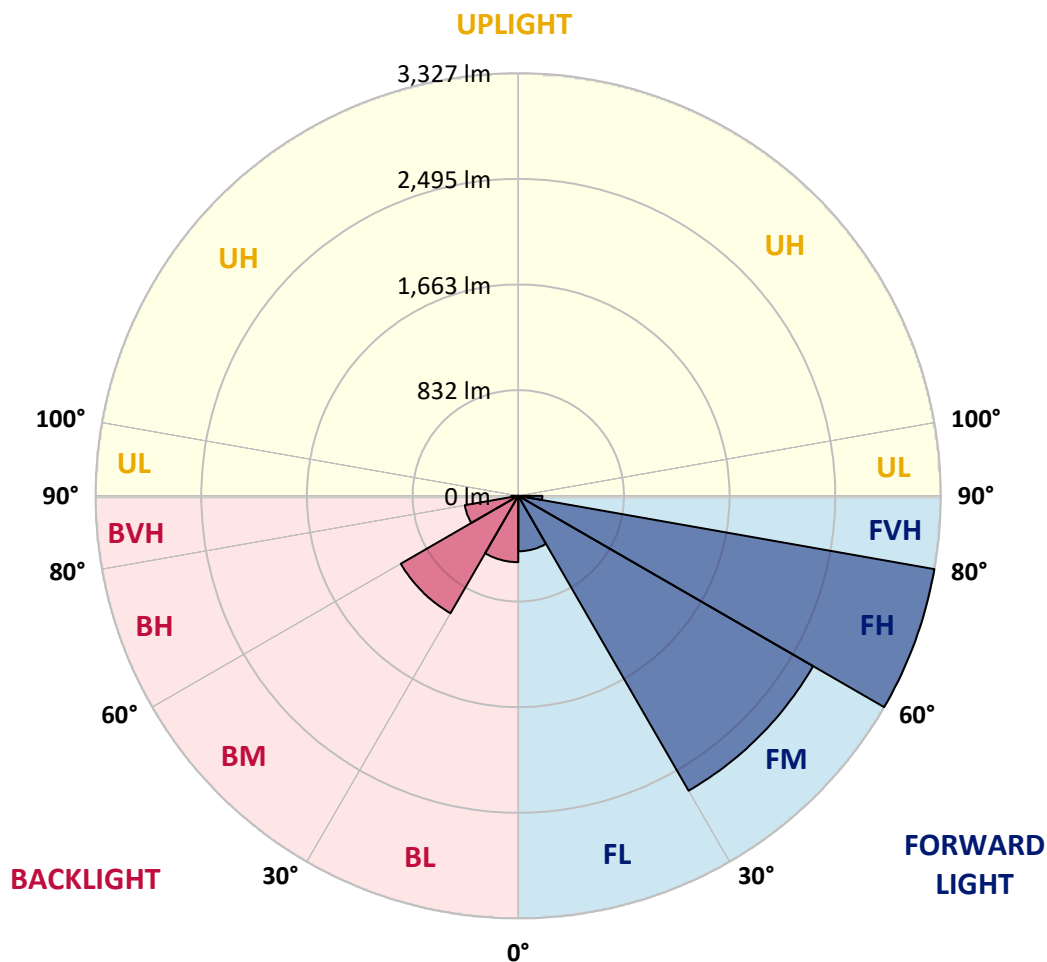
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.5	5.0			
FM (30°-60°)	2680.4	30.8			
FH (60°-80°)	3326.5	38.2			G2/5000
FVH (80°-90°)	189.3	2.2			G2/225
BL (0°-30°)	522.0	6.0	B2/1000		
BM (30°-60°)	1067.3	12.3	B2/2500		
BH (60°-80°)	427.0	4.9	B1/500		G1/500
BVH (80°-90°)	55.0	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9
2.5°	1069.5	1076.1	1078.9	1077.5	1084.6	1083.6	1093.5	1105.8	1122.7	1139.2
5°	987.2	994.2	1000.4	1006.0	1019.6	1023.9	1039.4	1062.9	1094.0	1125.5
7.5°	910.5	916.6	926.0	936.4	959.4	963.7	989.5	1026.2	1069.5	1115.6
10°	847.9	854.0	863.9	875.7	904.4	909.5	942.5	991.4	1047.9	1106.2
12.5°	821.1	823.0	828.6	840.4	865.3	868.6	904.8	960.8	1026.7	1099.2
15°	819.7	823.4	823.9	830.0	850.7	852.1	885.5	941.1	1013.5	1097.8
17.5°	833.8	836.6	832.4	836.1	853.5	855.9	882.3	931.7	1009.3	1103.9
20°	871.4	873.8	861.1	855.9	868.6	870.5	896.4	937.8	1013.5	1116.6
22.5°	951.4	952.8	921.8	900.6	901.5	902.5	925.1	962.7	1030.0	1139.6
25°	1076.1	1075.2	1025.8	984.8	961.3	956.1	971.2	1003.2	1057.8	1170.2
27.5°	1222.0	1214.9	1165.5	1104.3	1053.1	1045.5	1042.2	1055.9	1097.3	1210.7
30°	1386.7	1380.1	1326.9	1246.9	1175.9	1163.6	1132.6	1125.5	1156.1	1265.7
32.5°	1567.3	1563.1	1499.6	1402.7	1307.6	1293.5	1241.3	1222.4	1246.4	1349.0
35°	1718.9	1715.1	1662.4	1562.6	1446.4	1429.0	1375.8	1354.7	1366.9	1455.8
37.5°	1855.8	1853.9	1808.7	1730.2	1610.2	1589.0	1529.2	1522.2	1519.8	1596.5
40°	1982.8	1978.1	1931.1	1889.7	1800.7	1781.4	1728.7	1722.6	1704.7	1769.7
42.5°	2123.5	2111.3	2043.1	2023.8	1999.8	1983.8	1952.2	1953.2	1913.7	1965.0
45°	2238.3	2231.3	2161.2	2149.9	2175.8	2169.2	2196.5	2203.5	2126.8	2169.6
47.5°	2361.6	2355.0	2295.7	2287.7	2357.8	2359.7	2456.2	2458.5	2334.8	2382.3
50°	2513.6	2504.2	2445.4	2455.2	2533.8	2540.9	2717.3	2701.3	2526.3	2598.3
52.5°	2613.8	2619.5	2606.8	2622.8	2730.0	2736.6	2974.2	2933.3	2715.9	2811.4
55°	2687.7	2699.0	2738.5	2775.2	2937.1	2943.7	3216.6	3154.0	2873.1	3009.1
57.5°	2782.7	2766.7	2840.6	2912.1	3133.8	3151.2	3452.3	3366.7	3012.4	3179.4
60°	2919.2	2907.9	2965.3	3071.2	3354.0	3381.7	3701.7	3558.2	3114.5	3314.4
62.5°	3195.9	3167.6	3176.6	3270.2	3631.6	3668.3	3983.1	3725.2	3165.3	3367.1
65°	3609.5	3561.0	3515.8	3580.8	4022.6	4058.8	4300.7	3856.5	3146.5	3265.0
67.5°	4130.3	4082.4	4026.8	4088.0	4598.5	4627.2	4692.6	3930.4	2998.2	2871.7
70°	4559.9	4542.1	4608.4	4860.1	5518.4	5519.4	5195.2	3869.2	2592.2	2036.0
72.5°	4503.0	4492.2	4841.8	5620.1	6677.8	6652.9	5670.9	3406.2	1746.2	918.5
75°	3694.2	3764.3	4305.9	5606.4	7094.2	7091.0	5379.6	2165.4	722.3	380.7
77.5°	1980.9	2092.0	2795.4	4139.3	5538.2	5621.5	3782.2	757.6	310.1	243.7
80°	646.0	743.0	1114.2	2107.5	3598.6	3583.1	1621.0	297.4	212.2	172.7
82.5°	274.3	285.6	497.8	995.2	1846.8	1818.1	516.2	170.8	149.2	118.1
85°	107.3	120.0	219.7	460.2	799.9	782.5	186.3	84.7	95.5	77.2
87.5°	35.3	42.8	78.6	157.6	248.9	240.0	45.6	29.2	41.4	35.3
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°
1159.9	0°	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9	1159.9
1163.2	2.5°	1169.7	1177.3	1186.2	1199.4	1210.7	1220.1	1230.0	1236.1	1238.4	1245.5
1165.0	5°	1178.2	1194.7	1216.8	1238.4	1259.6	1272.3	1283.6	1289.3	1294.4	1298.2
1170.2	7.5°	1192.3	1213.5	1248.3	1276.6	1294.4	1304.8	1312.3	1310.4	1312.3	1313.3
1175.9	10°	1204.6	1234.2	1275.6	1302.4	1316.1	1316.6	1314.7	1308.1	1304.8	1305.3
1184.3	12.5°	1219.2	1252.1	1296.8	1319.4	1323.1	1312.8	1304.8	1293.5	1289.3	1287.4
1197.0	15°	1238.9	1276.6	1319.8	1328.3	1318.9	1305.7	1292.1	1273.7	1264.3	1256.8
1218.7	17.5°	1262.9	1304.3	1337.7	1331.6	1311.4	1289.7	1267.6	1239.9	1220.6	1212.6
1248.3	20°	1296.3	1333.5	1351.4	1324.6	1294.0	1261.0	1223.4	1189.5	1171.6	1163.6
1286.0	22.5°	1336.8	1372.5	1364.5	1312.3	1269.0	1216.3	1169.3	1144.3	1135.4	1129.8
1334.4	25°	1385.3	1415.8	1374.0	1294.4	1228.1	1157.0	1120.8	1112.8	1108.6	1104.3
1393.7	27.5°	1448.3	1464.8	1381.0	1268.1	1164.1	1094.0	1080.8	1082.2	1080.8	1073.8
1476.1	30°	1531.6	1528.3	1387.6	1225.3	1090.7	1037.1	1038.0	1044.1	1045.1	1040.4
1590.9	32.5°	1641.2	1607.8	1390.9	1169.7	1020.6	987.2	988.1	994.7	999.4	991.4
1741.0	35°	1773.9	1700.5	1385.7	1100.1	966.5	939.7	932.6	934.5	935.9	928.4
1923.1	37.5°	1928.7	1804.5	1362.7	1022.9	921.8	893.1	878.0	865.3	857.8	850.7
2129.2	40°	2098.6	1917.9	1320.3	947.7	871.9	843.7	821.1	797.1	771.7	762.3
2347.5	42.5°	2276.4	2034.6	1269.0	875.7	814.5	791.4	767.4	732.6	694.5	675.2
2574.3	45°	2460.9	2154.1	1218.7	804.6	755.7	745.8	718.0	676.2	634.8	610.3
2801.6	47.5°	2641.6	2267.0	1144.8	733.1	700.6	711.4	689.8	651.2	605.1	566.5
3026.9	50°	2814.3	2372.9	1023.9	660.6	655.9	701.1	680.4	624.9	572.2	522.8
3248.1	52.5°	2985.5	2458.5	869.1	594.8	631.9	698.3	668.2	607.0	542.5	490.8
3456.1	55°	3130.9	2502.8	719.9	538.3	597.1	674.3	653.6	585.8	500.6	445.6
3598.6	57.5°	3213.7	2467.0	595.7	482.8	549.1	634.8	628.6	540.6	450.8	408.4
3626.4	60°	3178.0	2322.1	494.1	434.3	503.5	591.9	585.3	495.9	412.7	372.7
3477.7	62.5°	2980.8	2045.9	413.6	392.0	462.1	548.2	542.1	461.6	383.5	344.9
3082.9	65°	2583.7	1664.3	351.0	356.7	420.2	495.5	504.4	432.9	360.4	322.8
2385.1	67.5°	1970.6	1205.5	302.1	326.1	379.3	443.7	469.6	412.2	341.1	305.4
1380.1	70°	1123.2	684.6	260.7	296.4	343.0	395.7	442.8	395.7	320.4	290.8
517.1	72.5°	425.8	314.3	225.4	266.8	308.2	355.3	413.1	369.8	296.4	274.3
267.3	75°	227.3	191.5	189.6	232.0	268.2	315.7	376.0	344.4	278.6	289.8
184.9	77.5°	154.8	135.5	158.6	198.6	224.4	272.0	336.4	305.8	241.4	240.4
128.0	80°	107.3	96.0	128.9	160.0	173.6	228.7	293.6	262.6	196.7	183.5
79.0	82.5°	64.5	62.6	96.5	119.5	122.8	176.5	243.3	220.2	160.9	140.2
47.1	85°	35.3	37.2	61.6	70.1	71.5	123.3	190.6	170.3	123.8	104.0
16.9	87.5°	9.9	12.7	22.6	27.8	34.3	64.0	113.4	101.2	62.1	43.3
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°
1159.9
1245.0
1299.1
1314.7
1306.2
1286.4
1259.1
1213.0
1162.7
1130.7
1104.3
1075.2
1042.7
995.2
933.5
855.4
766.5
677.6
608.4
562.3
518.5
485.1
440.9
402.8
367.0
338.8
316.7
299.7
287.0
270.6
299.3
221.6
175.5
141.2
104.9
43.3
0.0

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