

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: P852155

Luminaire Tested: **GLAN-SB1D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852155
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-SB1D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9719 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

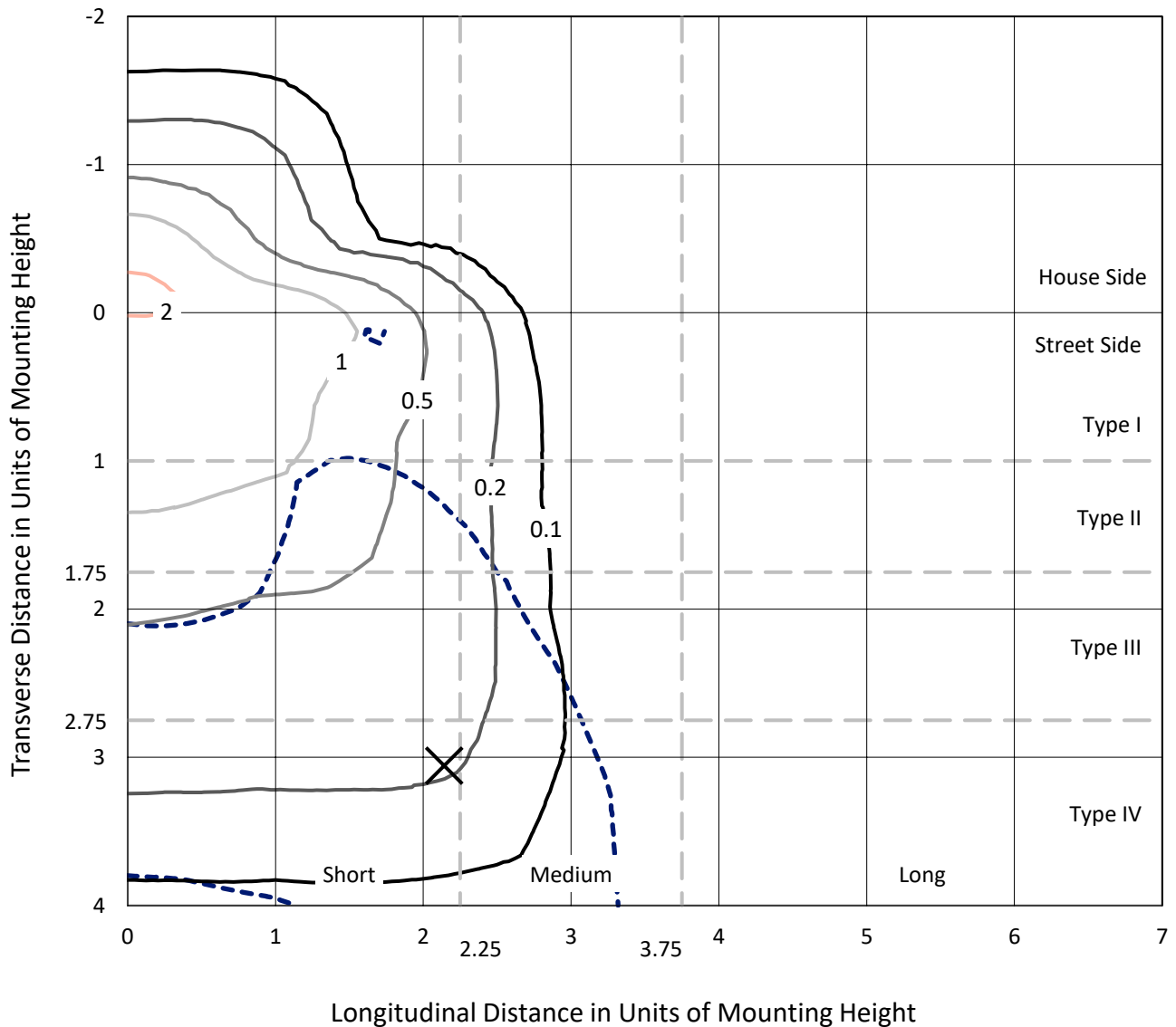
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852155
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Iso-Footcandle Lines of Horizontal Illumination

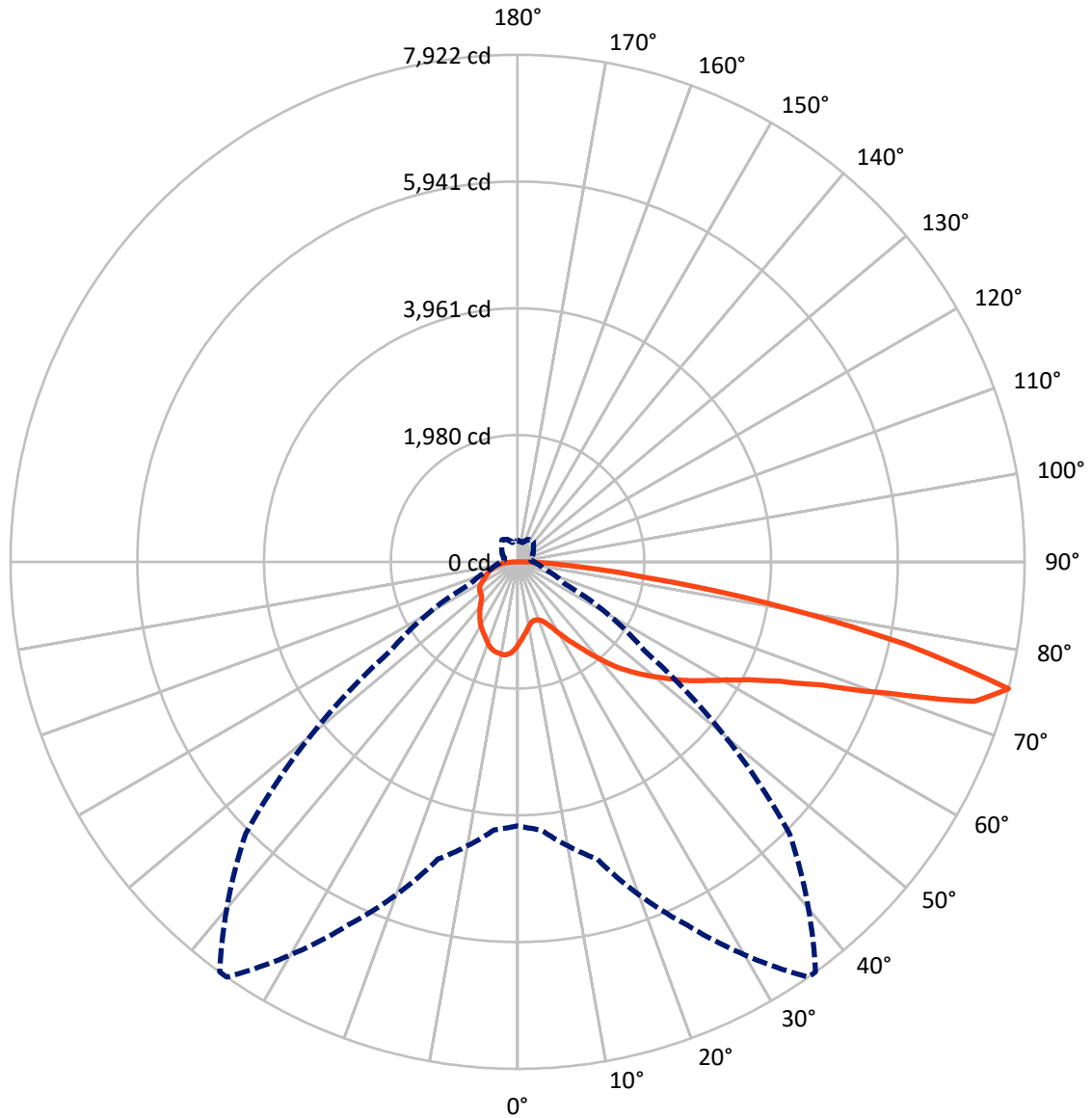
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type 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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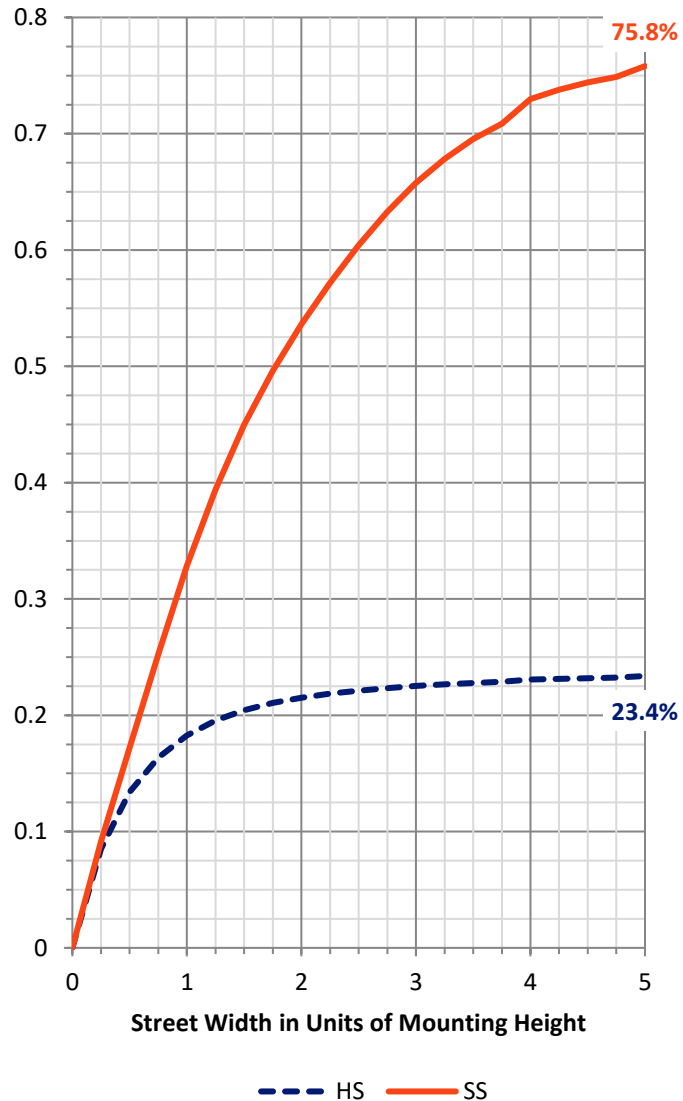
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2312.9	0.0	2312.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	7406.1	0.0	7406.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	9719.0	0.0	9719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	1.3
10°-20°	353.7	3.6
20°-30°	593.9	6.1
30°-40°	923.1	9.5
40°-50°	1370.1	14.1
50°-60°	1891.5	19.5
60°-70°	2294.8	23.6
70°-80°	1896.5	19.5
80°-90°	272.8	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°	9719.0	100.0
0°-180°	9719.0	100.0

Coefficient of Utilization

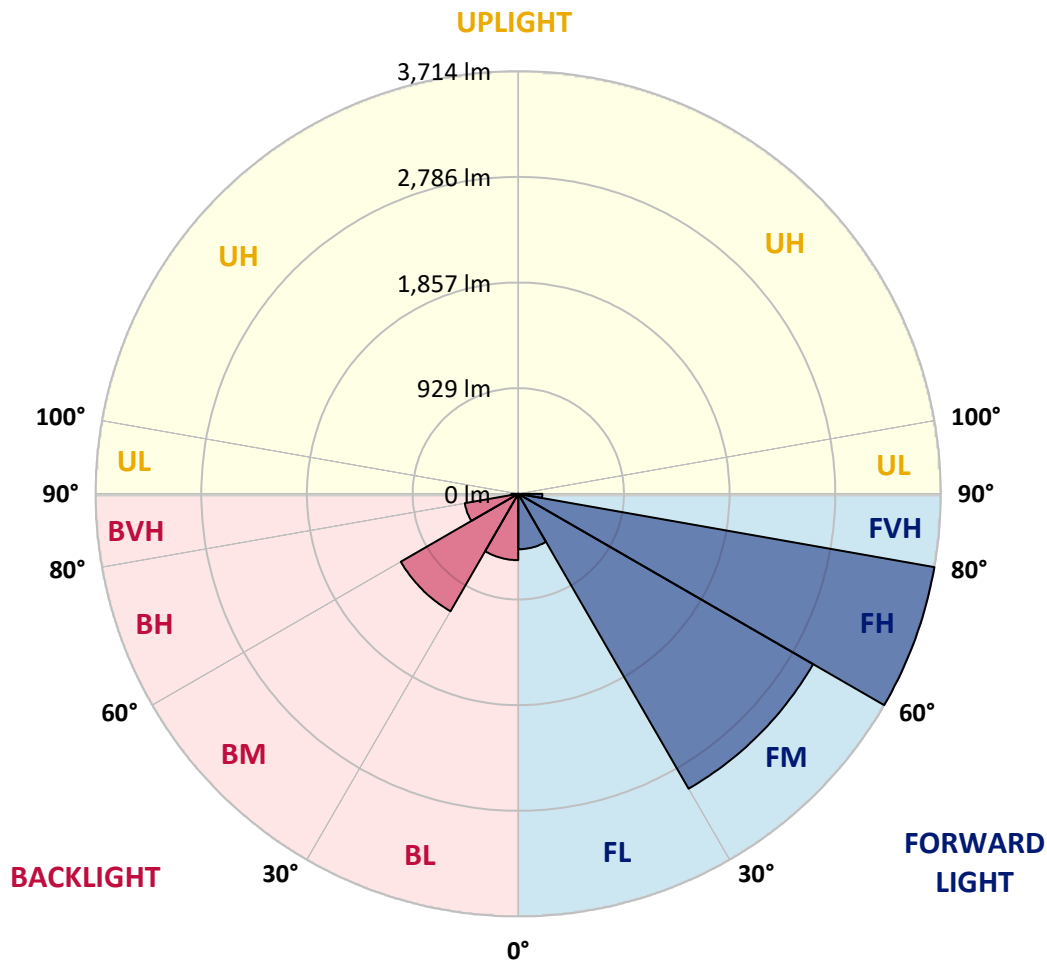


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.4	5.0			
FM (30°-60°)	2992.9	30.8			
FH (60°-80°)	3714.5	38.2			G2/5000
FVH (80°-90°)	211.4	2.2			G2/225
BL (0°-30°)	582.9	6.0	B2/1000		
BM (30°-60°)	1191.7	12.3	B2/2500		
BH (60°-80°)	476.8	4.9	B1/500		G1/500
BVH (80°-90°)	61.4	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°	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1
2.5°	1194.2	1201.6	1204.8	1203.2	1211.1	1210.0	1221.0	1234.7	1253.6	1272.0
5°	1102.3	1110.2	1117.0	1123.3	1138.6	1143.3	1160.6	1186.9	1221.6	1256.8
7.5°	1016.7	1023.5	1034.0	1045.6	1071.3	1076.0	1104.9	1145.9	1194.2	1245.7
10°	946.8	953.6	964.6	977.8	1009.8	1015.6	1052.4	1107.0	1170.1	1235.2
12.5°	916.8	918.9	925.2	938.4	966.2	969.9	1010.4	1072.9	1146.4	1227.3
15°	915.3	919.5	920.0	926.8	949.9	951.5	988.8	1050.8	1131.7	1225.8
17.5°	931.0	934.2	929.4	933.6	953.1	955.7	985.1	1040.3	1127.0	1232.6
20°	973.0	975.7	961.5	955.7	969.9	972.0	1000.9	1047.1	1131.7	1246.8
22.5°	1062.4	1063.9	1029.3	1005.6	1006.7	1007.7	1032.9	1075.0	1150.1	1272.5
25°	1201.6	1200.5	1145.4	1099.7	1073.4	1067.6	1084.4	1120.2	1181.1	1306.7
27.5°	1364.5	1356.6	1301.4	1233.1	1175.9	1167.4	1163.8	1179.0	1225.2	1351.9
30°	1548.4	1541.0	1481.6	1392.3	1313.0	1299.3	1264.6	1256.8	1290.9	1413.3
32.5°	1750.1	1745.4	1674.5	1566.2	1460.1	1444.3	1386.0	1365.0	1391.8	1506.3
35°	1919.3	1915.1	1856.3	1744.9	1615.1	1595.7	1536.3	1512.6	1526.3	1625.6
37.5°	2072.2	2070.1	2019.7	1931.9	1797.9	1774.3	1707.6	1699.7	1697.1	1782.7
40°	2214.1	2208.8	2156.3	2110.0	2010.7	1989.2	1930.3	1923.5	1903.5	1976.0
42.5°	2371.2	2357.5	2281.3	2259.8	2233.0	2215.1	2179.9	2181.0	2136.8	2194.1
45°	2499.3	2491.5	2413.2	2400.6	2429.5	2422.1	2452.6	2460.5	2374.8	2422.6
47.5°	2637.0	2629.7	2563.4	2554.5	2632.8	2634.9	2742.6	2745.2	2607.1	2660.1
50°	2806.7	2796.2	2730.5	2741.6	2829.3	2837.2	3034.2	3016.3	2820.9	2901.3
52.5°	2918.6	2924.9	2910.7	2928.6	3048.4	3055.8	3321.1	3275.4	3032.6	3139.3
55°	3001.1	3013.7	3057.9	3098.8	3279.6	3286.9	3591.7	3521.8	3208.1	3360.0
57.5°	3107.2	3089.4	3171.9	3251.7	3499.2	3518.6	3854.9	3759.3	3363.6	3550.2
60°	3259.6	3247.0	3311.1	3429.3	3745.1	3776.1	4133.4	3973.1	3477.7	3701.0
62.5°	3568.5	3537.0	3547.0	3651.6	4055.1	4096.1	4447.6	4159.6	3534.4	3759.8
65°	4030.4	3976.3	3925.8	3998.3	4491.7	4532.1	4802.2	4306.2	3513.4	3645.8
67.5°	4612.0	4558.4	4496.4	4564.7	5134.8	5166.8	5239.9	4388.7	3347.9	3206.5
70°	5091.7	5071.7	5145.8	5426.9	6161.9	6163.0	5801.0	4320.4	2894.5	2273.4
72.5°	5028.1	5016.0	5406.4	6275.4	7456.5	7428.7	6332.2	3803.4	1949.8	1025.6
75°	4125.0	4203.2	4808.0	6260.2	7921.5	7917.8	6007.0	2417.9	806.5	425.1
77.5°	2212.0	2335.9	3121.4	4622.0	6184.0	6277.0	4223.2	845.9	346.2	272.2
80°	721.4	829.6	1244.2	2353.3	4018.3	4001.0	1810.0	332.1	237.0	192.8
82.5°	306.3	318.9	555.9	1111.2	2062.2	2030.2	576.4	190.7	166.6	131.9
85°	119.8	134.0	245.4	513.8	893.2	873.7	208.1	94.6	106.7	86.2
87.5°	39.4	47.8	87.7	176.0	277.9	268.0	51.0	32.6	46.2	39.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852155
 CATALOG NUMBER: GLAN-SB1D-730-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1295.1	0°	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1	1295.1
1298.8	2.5°	1306.2	1314.6	1324.5	1339.3	1351.9	1362.4	1373.4	1380.2	1382.9	1390.7
1300.9	5°	1315.6	1334.0	1358.7	1382.9	1406.5	1420.7	1433.3	1439.6	1445.4	1449.6
1306.7	7.5°	1331.4	1355.0	1393.9	1425.4	1445.4	1456.9	1465.4	1463.3	1465.4	1466.4
1313.0	10°	1345.0	1378.1	1424.4	1454.3	1469.6	1470.1	1468.0	1460.6	1456.9	1457.5
1322.4	12.5°	1361.3	1398.1	1448.0	1473.2	1477.4	1465.9	1456.9	1444.3	1439.6	1437.5
1336.6	15°	1383.4	1425.4	1473.8	1483.2	1472.7	1458.0	1442.8	1422.3	1411.8	1403.4
1360.8	17.5°	1410.2	1456.4	1493.7	1486.9	1464.3	1440.1	1415.4	1384.4	1362.9	1354.0
1393.9	20°	1447.5	1489.0	1509.0	1479.0	1444.9	1408.1	1366.1	1328.2	1308.3	1299.3
1435.9	22.5°	1492.7	1532.6	1523.7	1465.4	1417.0	1358.2	1305.6	1277.8	1267.8	1261.5
1490.0	25°	1546.8	1580.9	1534.2	1445.4	1371.3	1292.0	1251.5	1242.6	1237.9	1233.1
1556.2	27.5°	1617.2	1635.6	1542.1	1416.0	1299.9	1221.6	1206.9	1208.4	1206.9	1199.0
1648.2	30°	1710.2	1706.5	1549.4	1368.2	1217.9	1158.0	1159.0	1165.9	1166.9	1161.7
1776.4	32.5°	1832.6	1795.3	1553.1	1306.2	1139.6	1102.3	1103.3	1110.7	1116.0	1107.0
1944.0	35°	1980.8	1898.8	1547.3	1228.4	1079.2	1049.2	1041.4	1043.5	1045.0	1036.6
2147.3	37.5°	2153.6	2014.9	1521.6	1142.2	1029.3	997.2	980.4	966.2	957.8	949.9
2377.5	40°	2343.3	2141.5	1474.3	1058.2	973.6	942.1	916.8	890.0	861.7	851.2
2621.2	42.5°	2541.9	2271.8	1417.0	977.8	909.5	883.7	856.9	818.1	775.5	754.0
2874.5	45°	2747.9	2405.3	1360.8	898.4	843.8	832.8	801.8	755.0	708.8	681.4
3128.3	47.5°	2949.6	2531.4	1278.3	818.6	782.3	794.4	770.2	727.2	675.7	632.6
3379.9	50°	3142.4	2649.6	1143.3	737.7	732.4	782.9	759.7	697.7	638.9	583.7
3626.9	52.5°	3333.7	2745.2	970.4	664.1	705.6	779.7	746.1	677.8	605.8	548.0
3859.1	55°	3496.0	2794.6	803.9	601.1	666.7	752.9	729.8	654.1	559.0	497.6
4018.3	57.5°	3588.5	2754.7	665.2	539.1	613.1	708.8	701.9	603.7	503.3	456.1
4049.3	60°	3548.6	2592.9	551.7	484.9	562.2	661.0	653.6	553.8	460.8	416.1
3883.3	62.5°	3328.4	2284.5	461.8	437.7	515.9	612.1	605.3	515.4	428.2	385.1
3442.5	65°	2885.0	1858.4	392.0	398.3	469.2	553.3	563.2	483.4	402.5	360.4
2663.3	67.5°	2200.4	1346.1	337.3	364.1	423.5	495.5	524.4	460.3	380.9	341.0
1541.0	70°	1254.1	764.5	291.1	331.0	383.0	441.9	494.4	441.9	357.8	324.7
577.4	72.5°	475.5	351.0	251.7	297.9	344.1	396.7	461.3	413.0	331.0	306.3
298.4	75°	253.8	213.8	211.7	259.0	299.5	352.5	419.8	384.6	311.0	323.6
206.5	77.5°	172.9	151.3	177.1	221.7	250.6	303.7	375.7	341.5	269.5	268.5
142.9	80°	119.8	107.2	144.0	178.6	193.9	255.3	327.9	293.2	219.6	204.9
88.3	82.5°	72.0	69.9	107.7	133.5	137.1	197.0	271.6	245.9	179.7	156.6
52.5	85°	39.4	41.5	68.8	78.3	79.9	137.7	212.8	190.2	138.2	116.1
18.9	87.5°	11.0	14.2	25.2	31.0	38.4	71.5	126.6	113.0	69.4	48.3
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°
1295.1
1390.2
1450.6
1468.0
1458.5
1436.5
1406.0
1354.5
1298.3
1262.5
1233.1
1200.5
1164.3
1111.2
1042.4
955.2
855.9
756.6
679.3
627.9
579.0
541.7
492.3
449.7
409.8
378.3
353.6
334.7
320.5
302.1
334.2
247.5
196.0
157.6
117.2
48.3
0.0

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