

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: P847128

Luminaire Tested: **GLAN-SB3A-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10738 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

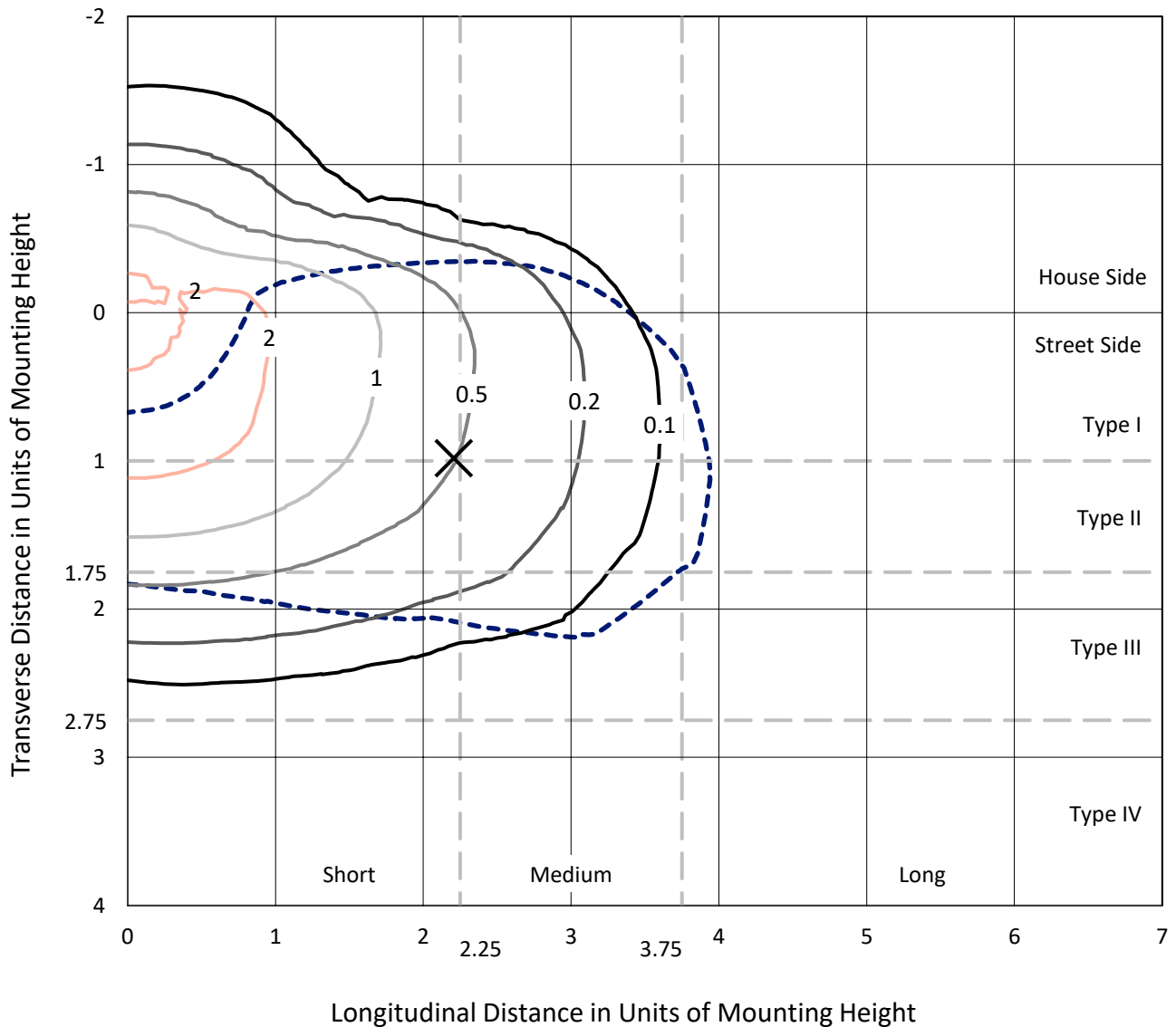
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

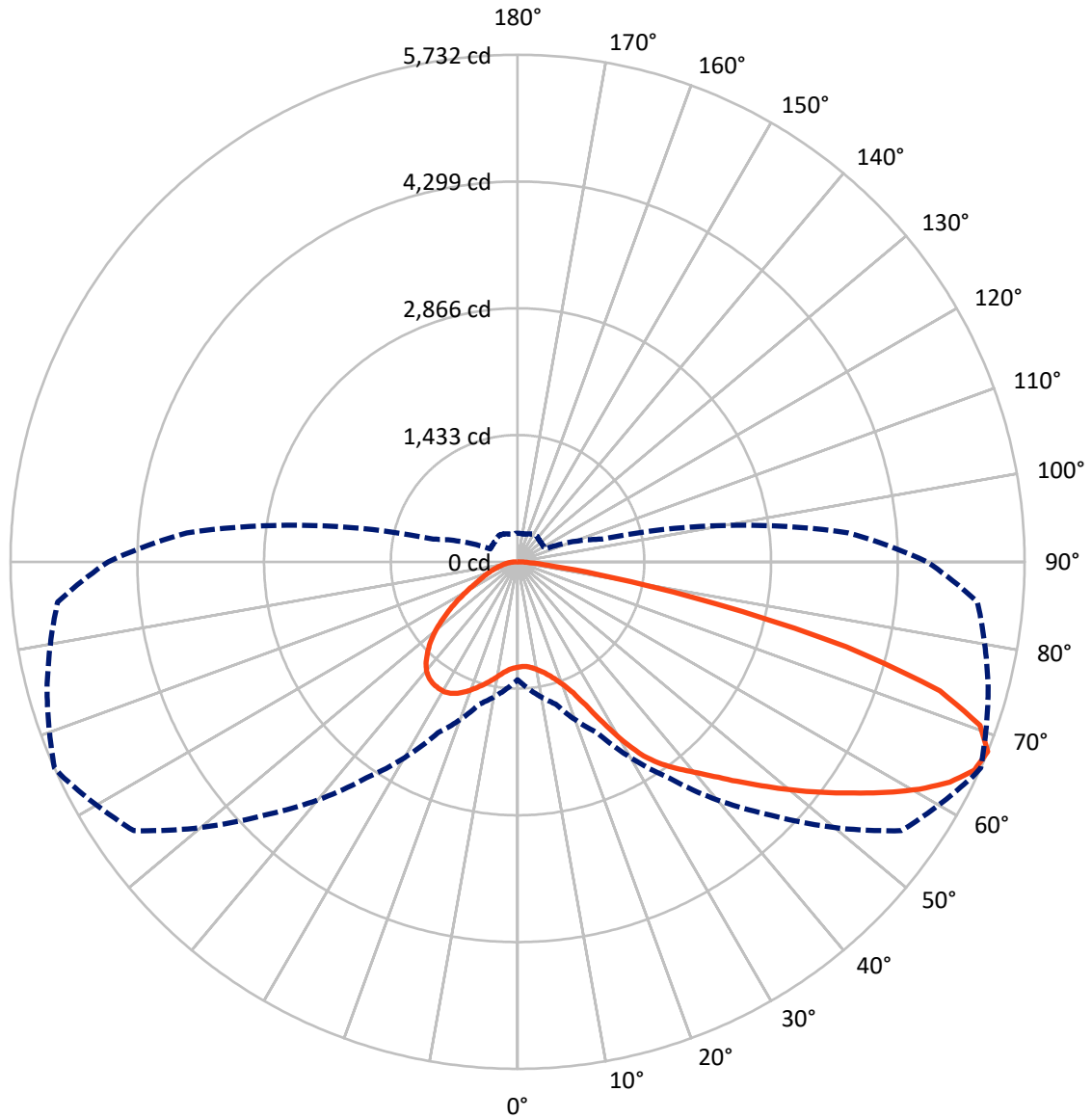
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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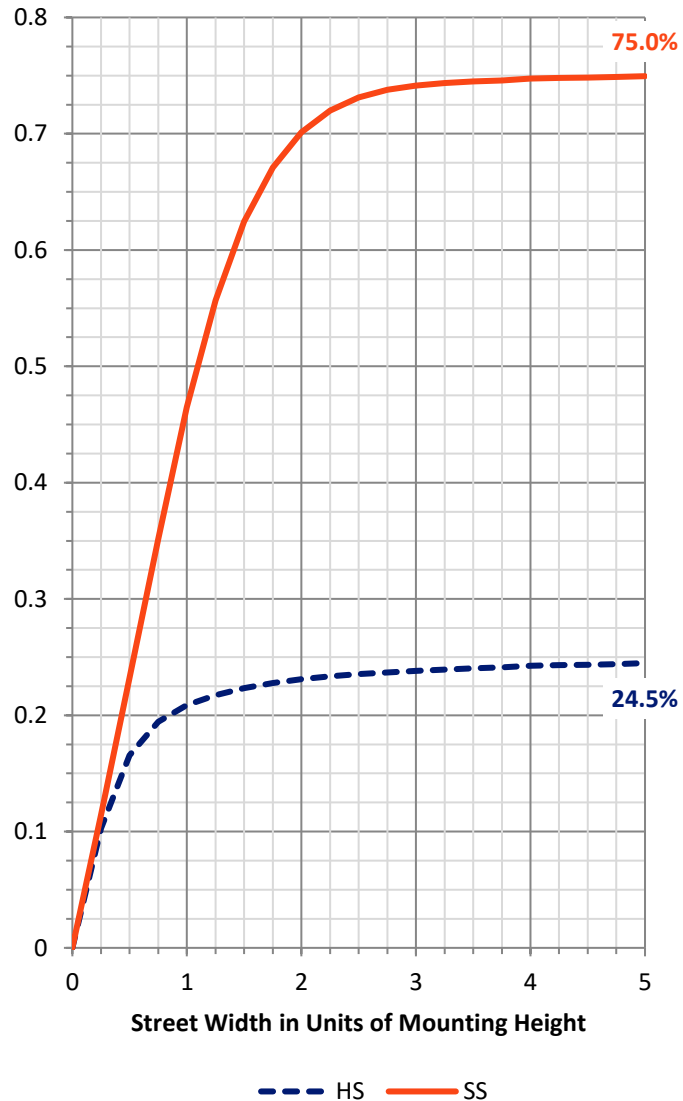
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2670.0	0.0	2670.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8068.0	0.0	8068.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	10738.0	0.0	10738.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	1.1
10°-20°	390.1	3.6
20°-30°	751.9	7.0
30°-40°	1318.4	12.3
40°-50°	1960.1	18.3
50°-60°	2484.6	23.1
60°-70°	2431.1	22.6
70°-80°	1159.7	10.8
80°-90°	123.9	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°	10738.0	100.0
0°-180°	10738.0	100.0

Coefficient of Utilization



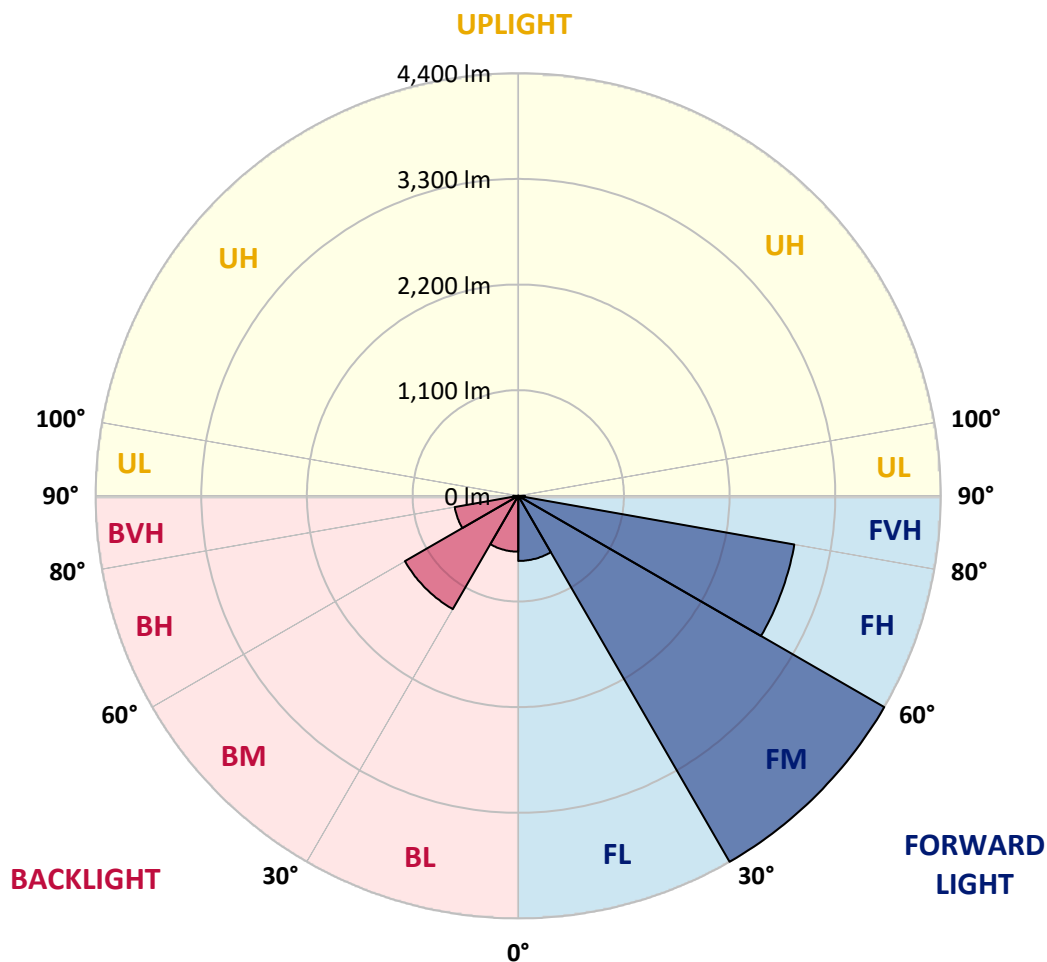
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	678.5	6.3			
FM (30°-60°)	4400.3	41.0			
FH (60°-80°)	2918.9	27.2			G2/5000
FVH (80°-90°)	70.3	0.7			G1/100
BL (0°-30°)	581.6	5.4	B2/1000		
BM (30°-60°)	1362.8	12.7	B2/2500		
BH (60°-80°)	671.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	53.7	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°	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0
2.5°	1178.6	1185.3	1183.7	1180.8	1180.3	1181.4	1183.1	1184.8	1184.2	1187.0
5°	1175.2	1182.0	1181.4	1181.4	1183.7	1188.2	1191.0	1193.8	1191.0	1194.4
7.5°	1177.4	1182.5	1184.8	1187.0	1192.7	1201.1	1207.9	1214.1	1210.7	1214.7
10°	1206.2	1210.2	1212.4	1212.4	1216.4	1226.0	1232.7	1244.0	1241.2	1247.4
12.5°	1258.7	1262.6	1262.6	1260.4	1263.2	1269.4	1271.7	1284.1	1279.0	1289.2
15°	1323.0	1330.9	1324.7	1320.7	1321.9	1328.1	1327.5	1337.1	1332.0	1340.5
17.5°	1394.1	1404.2	1394.1	1393.5	1391.3	1398.0	1398.6	1407.1	1398.0	1404.2
20°	1478.2	1492.3	1483.8	1486.6	1481.5	1484.4	1487.2	1499.6	1485.5	1490.0
22.5°	1596.6	1613.6	1604.5	1615.3	1611.9	1609.6	1609.0	1631.0	1609.0	1610.7
25°	1769.3	1789.6	1773.8	1788.5	1788.5	1795.8	1804.3	1832.5	1795.8	1785.1
27.5°	2024.3	2044.6	2013.6	2022.6	2019.8	2037.8	2028.8	2098.8	2059.3	2041.8
30°	2331.2	2367.3	2308.6	2306.4	2303.6	2332.3	2345.3	2391.6	2351.5	2334.0
32.5°	2662.9	2700.7	2630.8	2610.5	2599.7	2617.2	2606.5	2643.8	2616.1	2589.0
35°	3013.9	3051.1	2984.5	2945.0	2902.1	2865.5	2827.1	2836.7	2810.7	2769.6
37.5°	3345.6	3413.9	3343.3	3301.0	3222.0	3150.4	3043.2	2998.6	2974.4	2936.6
40°	3683.5	3722.5	3668.9	3632.8	3547.0	3434.7	3263.2	3169.0	3136.3	3099.6
42.5°	3932.3	3969.6	3940.8	3916.0	3848.8	3718.5	3496.8	3378.9	3331.5	3290.3
45°	4129.8	4157.4	4139.4	4148.4	4119.6	3993.3	3738.8	3604.0	3554.9	3504.7
47.5°	4209.4	4238.7	4267.5	4321.1	4370.1	4277.1	3998.9	3847.7	3795.8	3744.5
50°	4200.3	4230.2	4313.7	4427.7	4580.0	4549.0	4273.1	4107.2	4059.3	4000.6
52.5°	4128.1	4162.0	4269.2	4458.7	4701.3	4752.7	4552.4	4375.2	4330.1	4260.1
55°	3938.5	3958.9	4119.6	4388.2	4730.1	4894.8	4826.0	4660.7	4615.6	4518.0
57.5°	3587.1	3616.4	3850.5	4198.1	4657.9	4991.3	5066.3	4960.8	4917.4	4776.9
60°	3128.4	3175.2	3443.2	3878.7	4474.0	4990.7	5284.7	5255.9	5219.8	5031.9
62.5°	2609.3	2663.5	2921.3	3427.4	4152.4	4849.1	5421.2	5503.0	5484.4	5267.2
65°	2004.0	2041.2	2297.9	2843.5	3651.9	4545.0	5437.0	5671.7	5675.1	5446.0
67.5°	1334.3	1441.5	1664.3	2133.7	2981.7	4048.0	5298.2	5699.4	5732.1	5507.5
70°	651.1	792.1	1010.4	1386.8	2133.7	3285.8	4935.5	5472.6	5545.3	5328.1
72.5°	270.2	315.9	435.0	684.4	1224.8	2217.2	4206.5	4857.6	4992.4	4721.1
75°	182.2	197.5	248.8	350.9	558.0	1093.4	3033.6	3622.0	3839.3	3565.6
77.5°	140.5	150.1	181.1	245.4	331.7	413.5	1623.7	2182.8	2295.1	2124.7
80°	110.6	117.9	135.4	178.8	235.3	221.2	553.5	989.0	1053.9	884.1
82.5°	95.9	98.7	97.0	121.3	156.3	129.2	181.7	365.0	402.8	292.2
85°	69.4	77.3	80.7	75.0	82.9	65.4	74.5	129.2	142.2	126.9
87.5°	28.2	41.7	51.3	48.5	30.5	18.6	23.1	37.8	43.4	47.4
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°
1191.0	0°	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0	1191.0
1191.6	2.5°	1192.1	1196.1	1198.9	1202.3	1204.5	1207.9	1214.7	1218.6	1219.2	1222.0
1200.6	5°	1202.8	1208.5	1214.7	1223.7	1233.9	1242.3	1255.3	1264.3	1267.7	1270.5
1222.6	7.5°	1226.0	1233.9	1245.1	1260.9	1275.6	1286.9	1302.7	1313.4	1324.1	1328.1
1257.6	10°	1260.4	1271.7	1288.0	1309.5	1325.3	1339.9	1356.3	1365.3	1376.0	1380.6
1299.3	12.5°	1303.3	1315.1	1336.5	1366.4	1381.1	1391.3	1396.9	1394.7	1396.9	1400.9
1349.5	15°	1352.3	1365.3	1389.6	1421.7	1431.9	1422.9	1410.5	1399.2	1397.5	1398.6
1410.5	17.5°	1410.5	1420.0	1448.3	1475.3	1468.0	1430.8	1403.7	1385.6	1376.6	1373.8
1488.3	20°	1491.7	1491.7	1514.8	1531.8	1482.7	1419.5	1377.2	1347.8	1329.2	1321.3
1594.4	22.5°	1590.4	1581.4	1596.1	1584.2	1479.8	1387.9	1329.2	1278.4	1250.2	1238.9
1742.8	25°	1715.7	1705.0	1701.0	1627.7	1459.5	1337.7	1242.3	1180.8	1156.0	1149.8
1956.6	27.5°	1904.7	1877.6	1826.3	1651.4	1422.3	1258.7	1140.8	1083.8	1069.7	1070.3
2231.3	30°	2156.3	2102.1	1976.3	1655.3	1361.4	1147.0	1037.0	996.3	989.6	992.4
2462.1	32.5°	2389.3	2338.0	2129.8	1637.3	1267.7	1037.5	943.9	916.8	906.6	910.0
2638.1	35°	2572.1	2558.0	2272.0	1611.9	1152.6	934.8	860.4	837.2	817.5	813.0
2804.0	37.5°	2744.7	2739.1	2378.6	1576.3	1038.7	862.1	793.2	762.8	734.0	718.2
2987.3	40°	2934.3	2928.7	2448.5	1521.6	937.7	798.9	732.9	692.8	657.3	628.5
3195.0	42.5°	3147.6	3114.3	2481.8	1443.2	851.9	745.3	683.8	629.6	582.8	556.3
3429.7	45°	3380.6	3305.5	2481.3	1343.3	779.7	696.2	631.3	554.6	511.1	486.3
3670.6	47.5°	3627.7	3488.3	2450.8	1232.7	709.7	642.0	550.1	491.4	462.6	447.4
3932.3	50°	3882.7	3659.3	2398.9	1105.8	638.1	580.5	499.3	459.2	437.2	423.1
4191.9	52.5°	4122.5	3814.4	2336.3	961.9	565.3	520.7	476.7	445.7	422.6	406.8
4443.5	55°	4345.3	3948.1	2247.7	814.7	506.1	480.7	466.0	440.1	413.5	394.9
4699.1	57.5°	4543.3	4035.0	2094.8	676.5	463.8	453.0	454.7	430.5	400.0	384.2
4950.7	60°	4708.1	4098.8	1868.6	548.4	429.3	426.0	437.2	412.4	376.9	358.8
5163.4	62.5°	4806.8	4097.6	1591.0	449.1	400.0	401.1	414.1	389.8	353.7	336.8
5274.5	65°	4798.4	3997.2	1286.3	384.2	371.8	372.9	389.8	365.0	334.6	324.4
5218.7	67.5°	4628.5	3752.4	986.8	341.9	340.8	345.8	365.6	348.1	322.7	321.6
4885.8	70°	4168.7	3244.0	710.9	308.0	308.6	315.9	341.9	337.4	316.5	318.8
4107.8	72.5°	3342.8	2473.4	477.3	272.5	273.1	284.9	319.3	328.9	310.3	340.2
2914.6	75°	2226.3	1542.5	306.9	234.7	235.3	250.5	299.6	312.6	293.4	339.1
1516.5	77.5°	1069.7	693.4	222.3	197.5	197.5	211.6	259.0	279.8	249.9	263.5
487.5	80°	369.5	260.7	174.9	159.1	155.7	165.3	218.3	242.6	215.5	198.6
159.1	82.5°	145.6	135.4	140.5	123.6	112.3	118.5	169.8	200.3	158.5	143.3
89.7	85°	83.5	88.0	99.3	81.8	64.9	72.8	124.7	143.9	119.6	105.5
29.3	87.5°	22.6	31.0	45.7	42.3	29.3	31.0	59.2	79.5	68.8	53.0
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°
1191.0
1221.5
1270.0
1328.6
1382.8
1402.0
1402.6
1377.7
1319.6
1237.2
1150.9
1071.9
1002.0
914.5
816.4
718.8
631.3
558.0
485.2
444.0
418.1
400.0
387.6
374.1
350.9
331.7
323.8
323.3
318.2
344.7
341.9
241.5
186.2
142.7
107.8
54.7
0.0

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