

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: P852270

Luminaire Tested: **GLAN-SB2C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9389 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

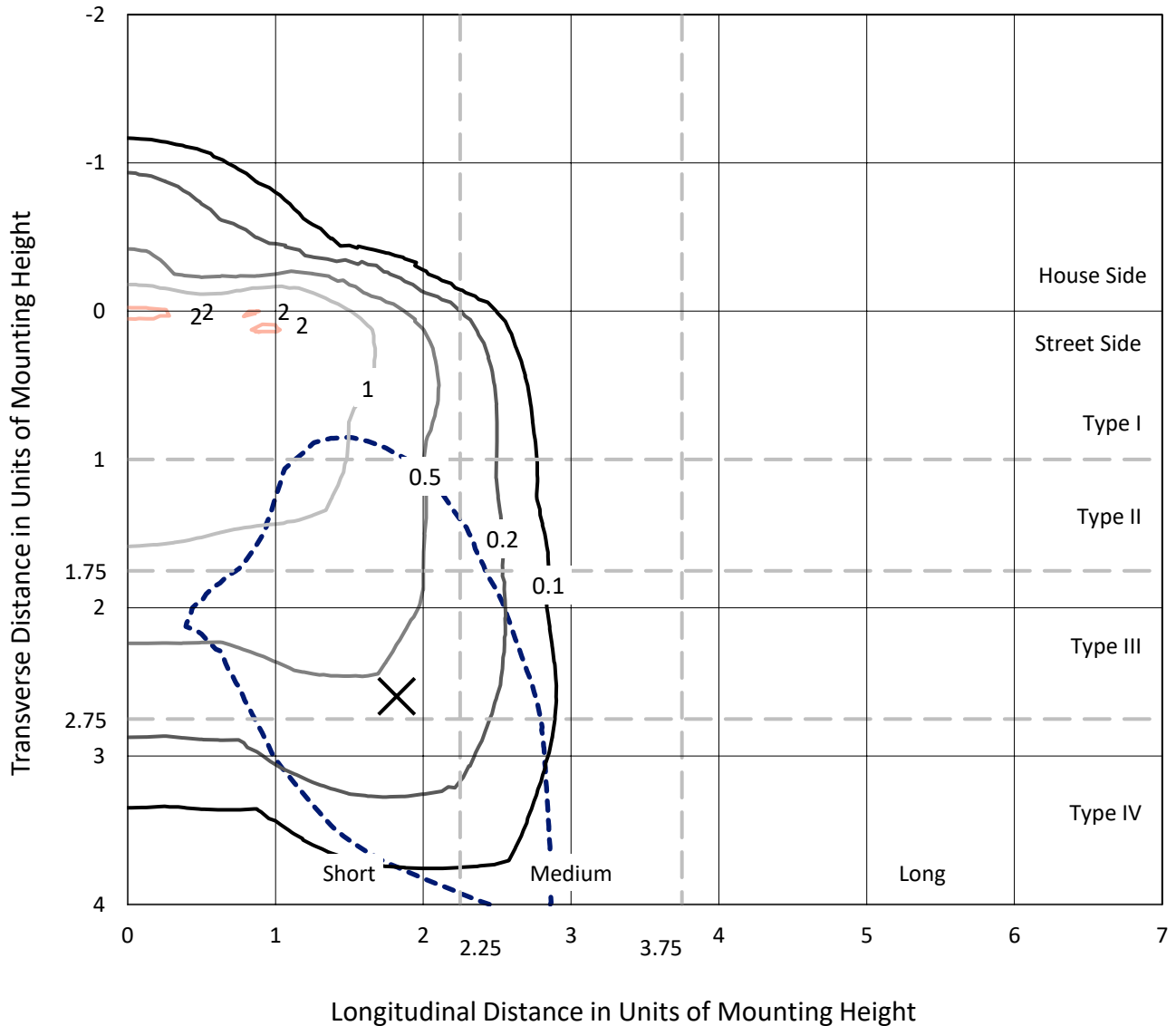
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

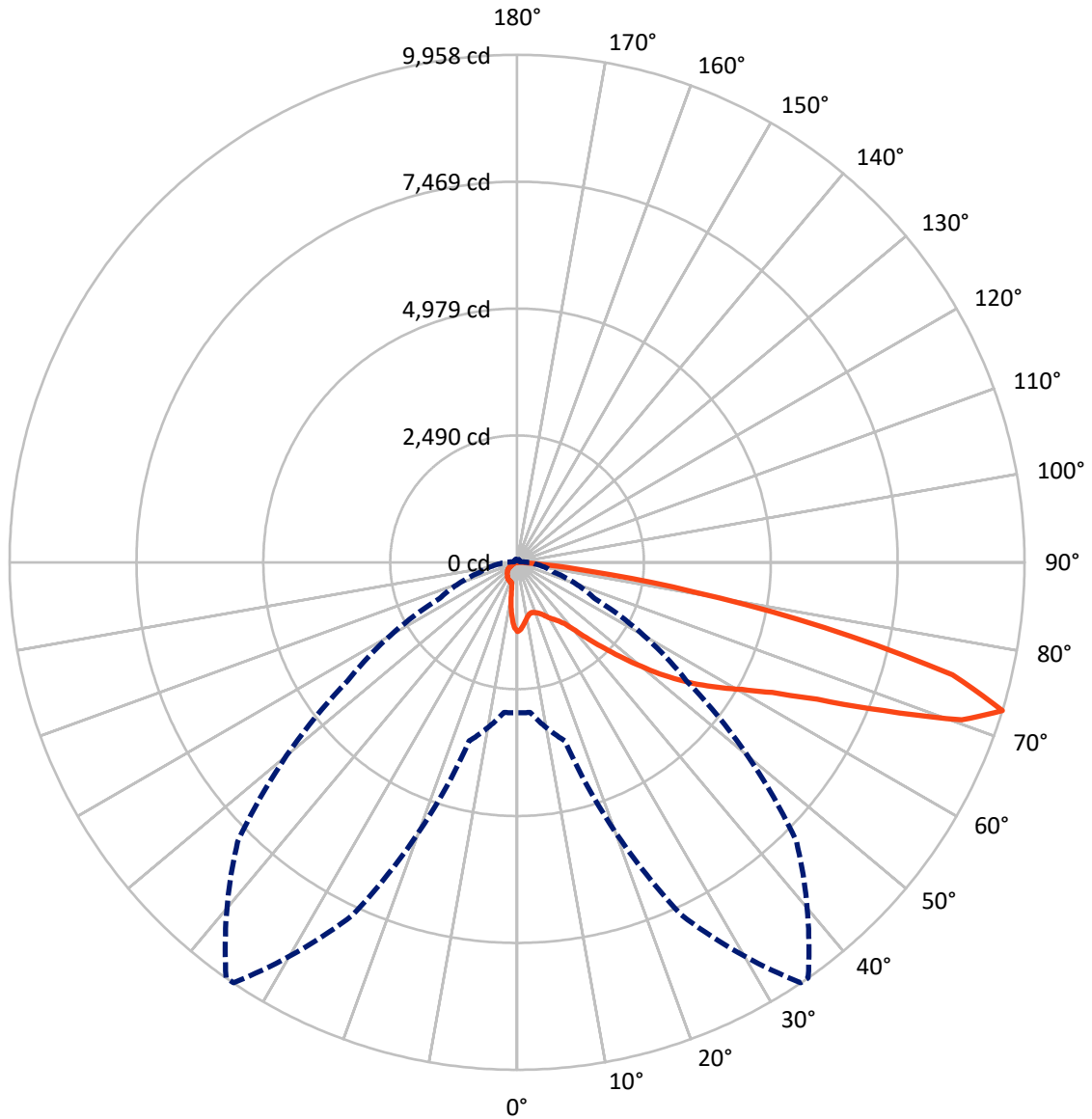
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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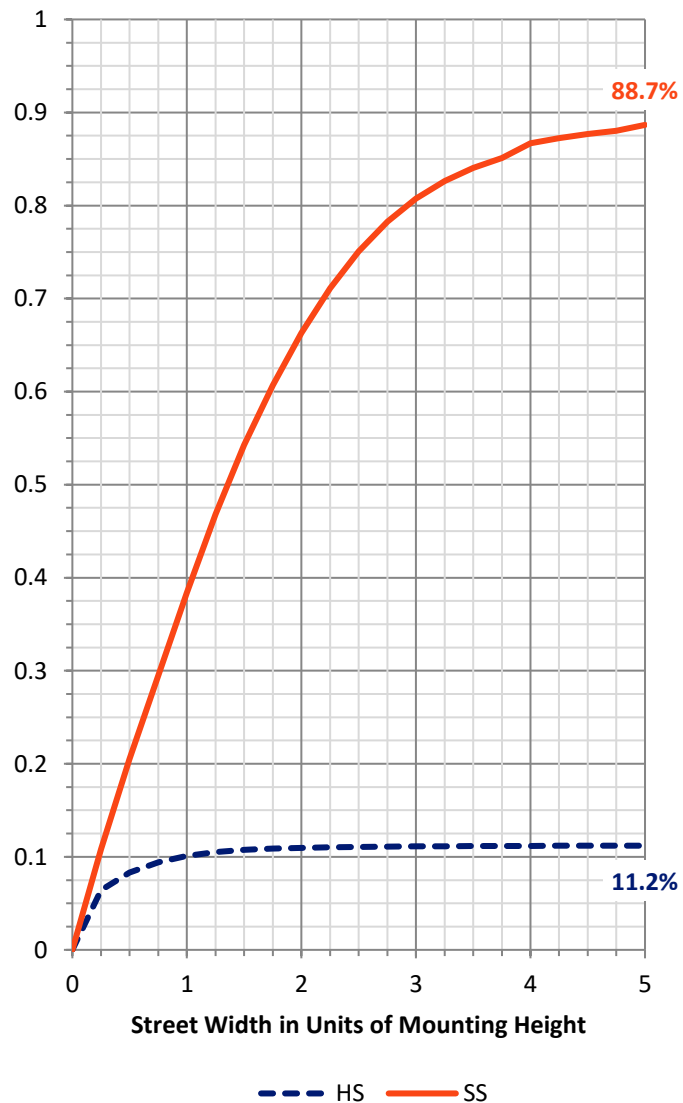
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1056.7	0.0	1056.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8332.3	0.0	8332.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	9389.0	0.0	9389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	1.2
10°-20°	261.6	2.8
20°-30°	424.9	4.5
30°-40°	709.0	7.6
40°-50°	1341.5	14.3
50°-60°	2131.6	22.7
60°-70°	2636.9	28.1
70°-80°	1639.1	17.5
80°-90°	132.5	1.4
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°	9389.0	100.0
0°-180°	9389.0	100.0

Coefficient of Utilization

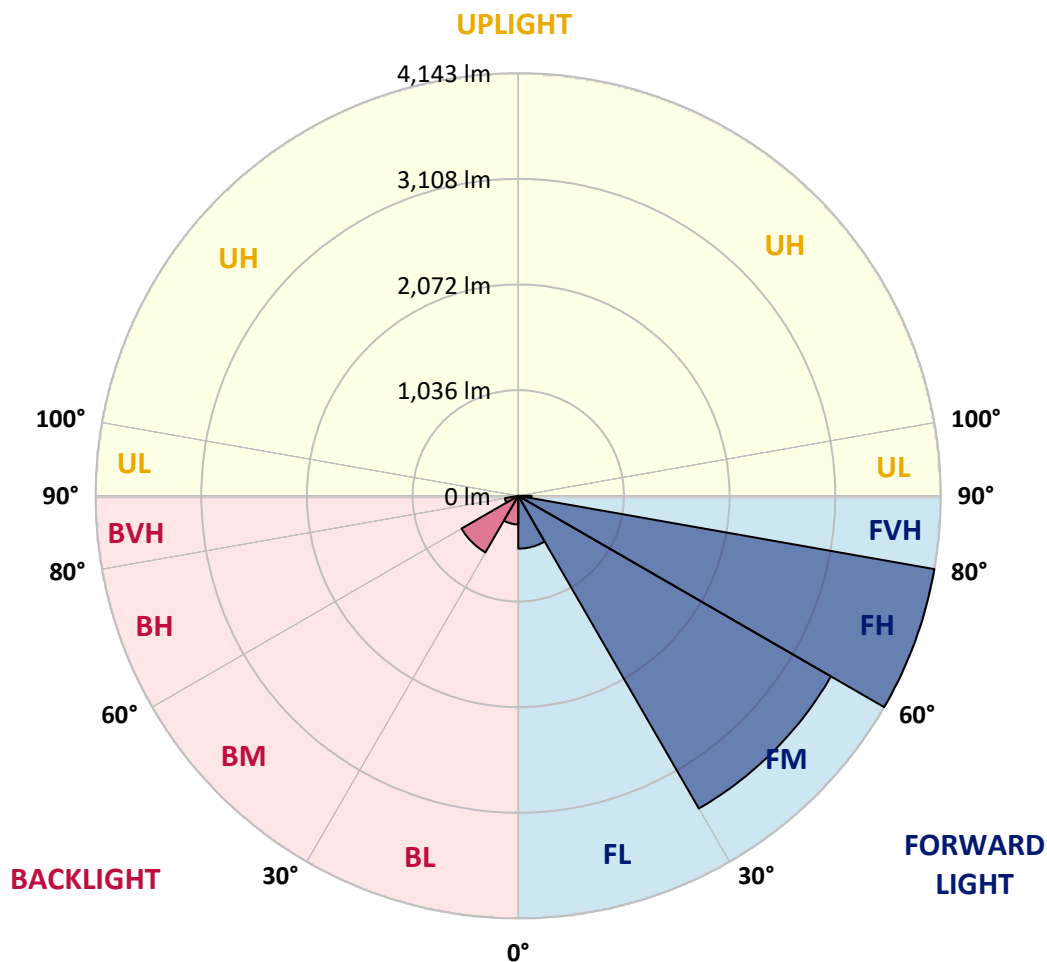


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.6	5.5			
FM (30°-60°)	3540.6	37.7			
FH (60°-80°)	4143.5	44.1			G2/5000
FVH (80°-90°)	130.7	1.4			G2/225
BL (0°-30°)	280.8	3.0	B1/500		
BM (30°-60°)	641.5	6.8	B1/1000		
BH (60°-80°)	132.6	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8
2.5°	1300.2	1311.2	1313.3	1316.8	1316.8	1320.9	1327.8	1337.4	1353.2	1361.5
5°	1198.4	1206.7	1217.0	1225.3	1241.1	1243.1	1270.0	1296.1	1332.6	1360.1
7.5°	1095.9	1105.5	1119.3	1139.3	1159.9	1166.1	1206.7	1250.7	1308.5	1360.1
10°	1023.7	1024.4	1036.8	1056.7	1089.7	1097.3	1146.8	1209.4	1281.7	1351.8
12.5°	983.1	987.9	993.4	1008.5	1040.2	1045.0	1098.0	1171.6	1254.8	1347.0
15°	983.1	986.5	990.0	997.5	1023.0	1027.1	1073.9	1147.5	1241.1	1349.1
17.5°	993.4	998.9	996.2	1005.1	1031.9	1034.7	1076.0	1140.6	1240.4	1362.2
20°	1018.2	1022.3	1016.8	1022.3	1049.1	1054.6	1097.3	1153.7	1252.1	1384.9
22.5°	1057.4	1059.5	1046.4	1050.5	1078.0	1084.9	1134.4	1190.9	1280.3	1421.3
25°	1106.9	1111.1	1091.1	1095.9	1122.1	1130.3	1187.4	1246.6	1325.0	1471.5
27.5°	1164.0	1166.1	1148.9	1148.2	1181.9	1193.6	1251.4	1315.4	1384.9	1534.8
30°	1229.4	1235.6	1219.1	1216.3	1259.0	1268.6	1325.7	1400.0	1472.9	1629.8
32.5°	1281.0	1285.8	1276.2	1283.0	1326.4	1334.0	1415.8	1519.7	1611.2	1764.6
35°	1355.3	1358.0	1336.0	1348.4	1397.9	1417.2	1539.0	1687.6	1785.3	1933.8
37.5°	1624.3	1624.3	1530.7	1469.5	1516.9	1534.1	1707.5	1898.8	1999.9	2160.9
40°	1996.5	1990.3	1853.4	1728.2	1722.0	1755.7	1947.6	2165.0	2277.1	2433.3
42.5°	2393.4	2383.8	2197.3	2073.5	2052.9	2064.6	2224.9	2493.2	2607.4	2765.6
45°	2745.6	2742.9	2572.3	2405.8	2368.6	2405.8	2570.9	2877.0	2958.9	3125.4
47.5°	3040.8	3040.8	2916.3	2807.6	2788.3	2810.3	3039.4	3302.9	3295.3	3508.6
50°	3380.6	3377.9	3259.5	3212.8	3232.7	3263.7	3578.8	3751.4	3643.4	3884.9
52.5°	3618.7	3635.2	3594.6	3587.0	3688.8	3742.5	4126.4	4190.4	3955.1	4241.9
55°	3807.2	3826.4	3873.2	3926.2	4122.2	4192.4	4656.8	4606.6	4215.8	4551.5
57.5°	4074.1	4046.6	4118.8	4223.4	4540.5	4625.1	5170.7	4999.4	4425.6	4802.6
60°	4398.1	4402.2	4414.6	4546.7	4958.1	5066.8	5677.0	5370.9	4560.5	4956.7
62.5°	4787.5	4793.7	4819.1	5022.1	5518.8	5621.3	6216.4	5675.0	4622.4	4913.4
65°	4760.7	4786.8	5070.9	5765.1	6371.2	6472.3	6845.9	5888.2	4528.8	4517.1
67.5°	4336.9	4379.5	4854.9	6652.6	7656.3	7769.1	7606.8	5930.2	4125.0	3512.7
70°	3781.0	3796.2	4367.8	7450.6	9144.3	9258.5	8287.8	5468.6	3130.2	1959.3
72.5°	2952.7	2956.2	3626.9	7635.6	9952.0	9958.2	7753.3	4059.6	1683.4	752.6
75°	2109.3	2088.6	2429.2	6192.3	8755.6	8825.8	5812.6	1904.3	643.2	355.7
77.5°	1131.0	1153.7	1374.5	3672.3	6048.5	6168.2	3171.5	549.0	327.5	242.2
80°	349.5	368.7	563.4	1681.4	3426.0	3498.3	1175.7	244.2	228.4	172.7
82.5°	110.1	114.2	262.8	706.5	1422.0	1455.0	340.5	138.3	156.2	114.2
85°	31.6	32.3	117.0	263.5	351.5	358.4	95.6	53.7	89.4	70.9
87.5°	3.4	11.0	44.0	44.0	31.0	30.3	10.3	11.7	25.5	8.9
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°
1360.8	0°	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8
1367.0	2.5°	1363.5	1364.2	1355.3	1340.1	1323.6	1309.9	1292.7	1278.9	1269.3	1266.5
1379.4	5°	1373.2	1368.3	1342.9	1296.8	1241.8	1194.3	1141.3	1099.4	1071.8	1060.1
1392.4	7.5°	1387.6	1373.9	1318.1	1227.3	1122.1	1028.5	933.6	859.9	813.2	789.8
1404.8	10°	1400.0	1372.5	1276.9	1126.9	965.9	824.2	696.2	607.5	557.9	534.5
1419.3	12.5°	1411.7	1371.8	1223.2	1007.9	789.8	616.4	497.4	453.4	439.6	434.8
1442.6	15°	1433.7	1373.9	1155.8	871.6	614.3	465.7	422.4	421.7	424.5	423.1
1478.4	17.5°	1464.0	1375.9	1079.4	727.2	474.0	410.7	408.6	414.8	419.0	416.9
1523.1	20°	1503.2	1384.2	998.2	584.1	407.3	397.0	401.8	407.3	410.7	407.3
1583.0	22.5°	1558.2	1398.6	909.5	469.2	385.9	388.7	392.8	399.0	402.5	397.6
1659.4	25°	1625.6	1421.3	822.1	408.0	375.6	379.1	385.3	392.1	396.3	391.4
1755.7	27.5°	1713.0	1457.8	741.6	394.2	365.3	367.4	376.3	386.6	392.1	385.9
1892.6	30°	1839.6	1517.6	672.1	400.4	359.1	354.3	366.7	381.1	387.3	381.8
2079.0	32.5°	2007.5	1602.3	629.5	410.0	356.4	339.2	350.9	369.4	379.8	376.3
2322.5	35°	2227.6	1730.9	613.0	421.0	354.3	323.3	331.6	351.5	369.4	372.9
2629.4	37.5°	2494.5	1909.8	617.8	425.8	348.1	310.3	314.4	331.6	355.0	366.0
2974.7	40°	2797.9	2118.2	645.3	421.0	341.2	299.3	299.9	313.0	333.7	350.2
3346.2	42.5°	3110.9	2361.8	696.2	403.1	335.0	289.6	287.6	296.5	310.3	322.0
3717.0	45°	3408.8	2612.2	746.4	378.4	327.5	280.0	275.2	278.6	281.4	286.2
4078.2	47.5°	3668.9	2788.3	732.0	355.7	317.1	269.0	260.7	259.4	251.1	250.4
4400.9	50°	3848.4	2826.8	650.1	333.0	302.0	256.6	243.5	235.3	220.8	214.0
4642.3	52.5°	3905.5	2674.8	531.1	310.3	277.2	240.1	221.5	208.5	190.6	184.4
4781.3	55°	3829.9	2376.9	424.5	282.8	242.8	218.1	197.4	180.2	165.8	158.2
4796.4	57.5°	3644.8	1997.8	335.7	250.4	206.4	193.3	172.7	155.5	143.1	135.5
4628.6	60°	3338.0	1586.4	265.6	211.9	176.1	166.5	145.2	134.2	123.1	114.2
4195.2	62.5°	2872.2	1132.4	208.5	167.9	147.2	136.2	123.8	115.6	102.5	90.1
3415.7	65°	2241.4	692.8	161.0	123.1	118.3	112.8	105.3	97.7	81.9	69.5
2228.3	67.5°	1413.8	328.2	114.9	92.9	93.6	90.8	87.4	81.2	69.5	58.5
998.2	70°	622.6	158.9	75.7	70.9	69.5	69.5	72.2	70.2	59.2	48.8
346.7	72.5°	211.9	85.3	56.4	53.7	50.2	49.5	60.5	58.5	47.5	37.8
172.7	75°	110.8	57.1	41.3	38.5	30.3	36.5	48.2	45.4	33.7	24.8
114.2	77.5°	72.2	40.6	28.2	24.8	17.2	24.1	35.8	31.6	20.0	12.4
75.0	80°	45.4	26.8	16.5	11.7	8.3	13.1	19.3	13.8	7.6	2.8
44.0	82.5°	24.1	13.8	6.2	4.1	3.4	4.1	4.8	3.4	1.4	0.0
22.7	85°	9.6	4.8	2.1	1.4	0.7	0.0	1.4	0.7	0.0	0.0
4.1	87.5°	3.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
1360.8
1271.3
1064.3
793.2
535.2
433.4
422.4
416.2
406.6
397.0
390.8
385.9
381.1
376.3
372.9
368.7
355.7
326.8
288.9
249.7
214.6
183.7
158.2
134.2
112.1
88.1
67.4
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