

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: P846658

Luminaire Tested: **GLAN-SB2B-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846658
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-SB2B-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9676 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

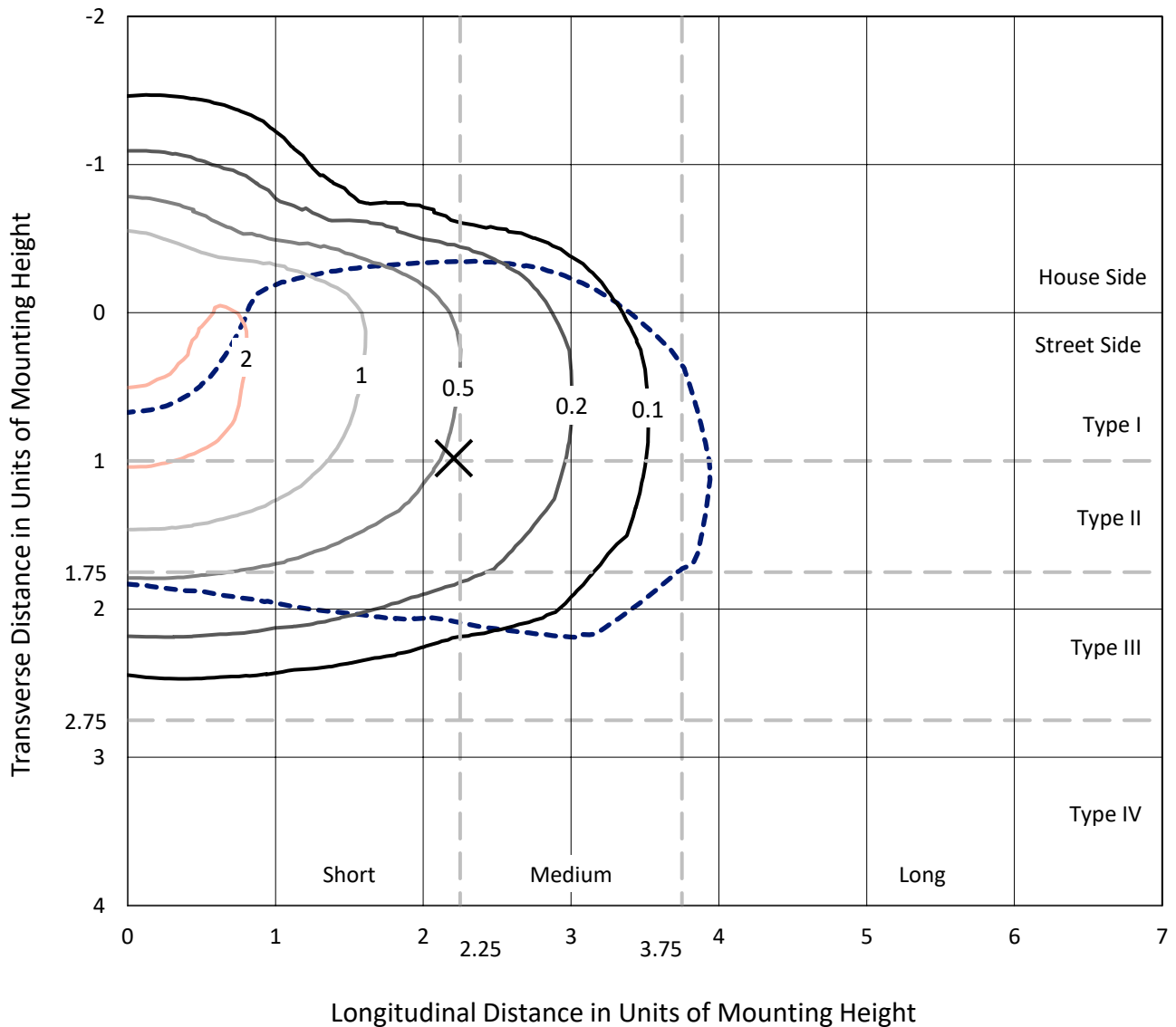
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

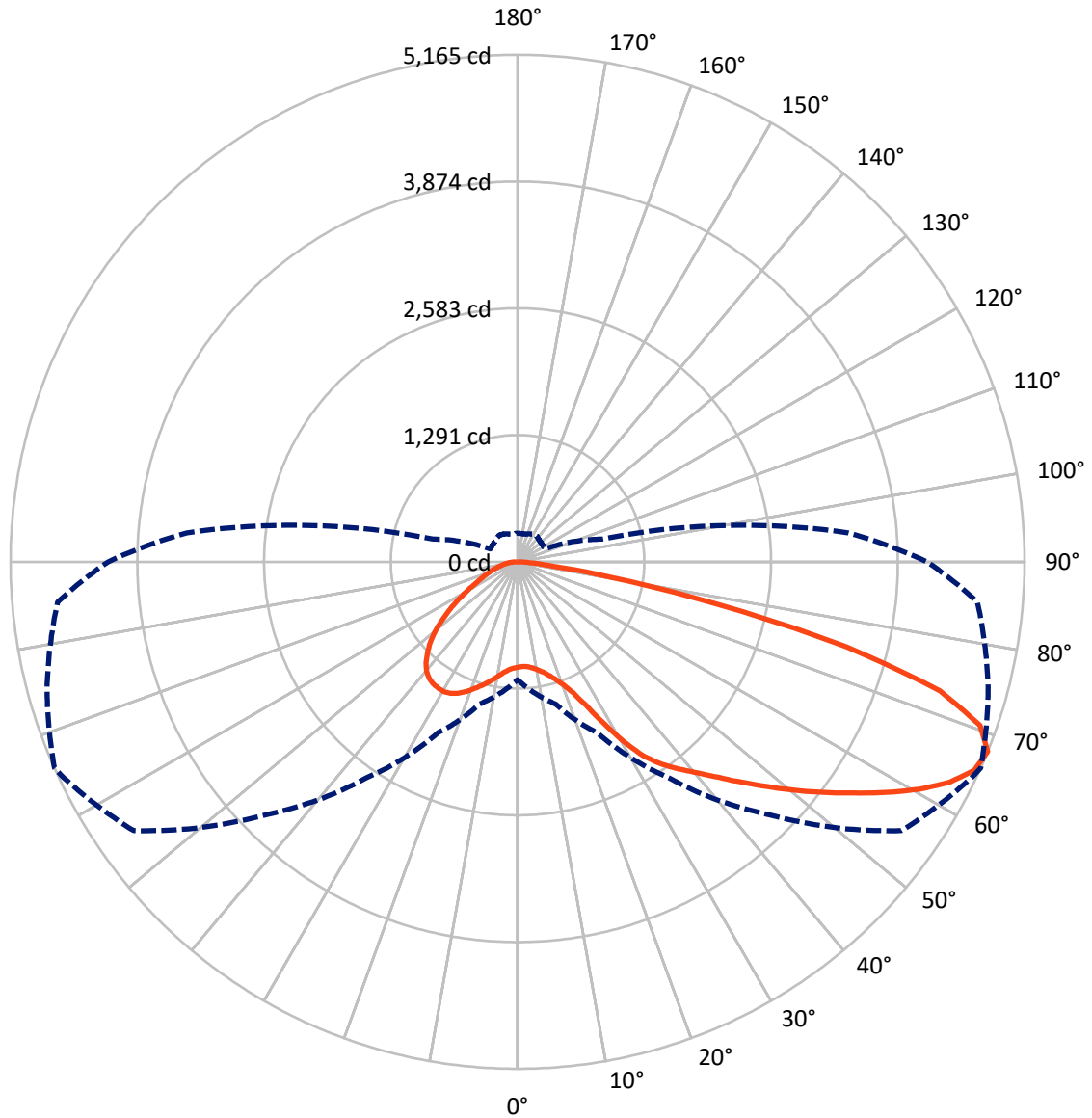
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	2405.9	0.0	2405.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7270.1	0.0	7270.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	9676.0	0.0	9676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	1.1
10°-20°	351.5	3.6
20°-30°	677.6	7.0
30°-40°	1188.0	12.3
40°-50°	1766.2	18.3
50°-60°	2238.9	23.1
60°-70°	2190.7	22.6
70°-80°	1045.0	10.8
80°-90°	111.7	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°	9676.0	100.0
0°-180°	9676.0	100.0

Coefficient of Utilization



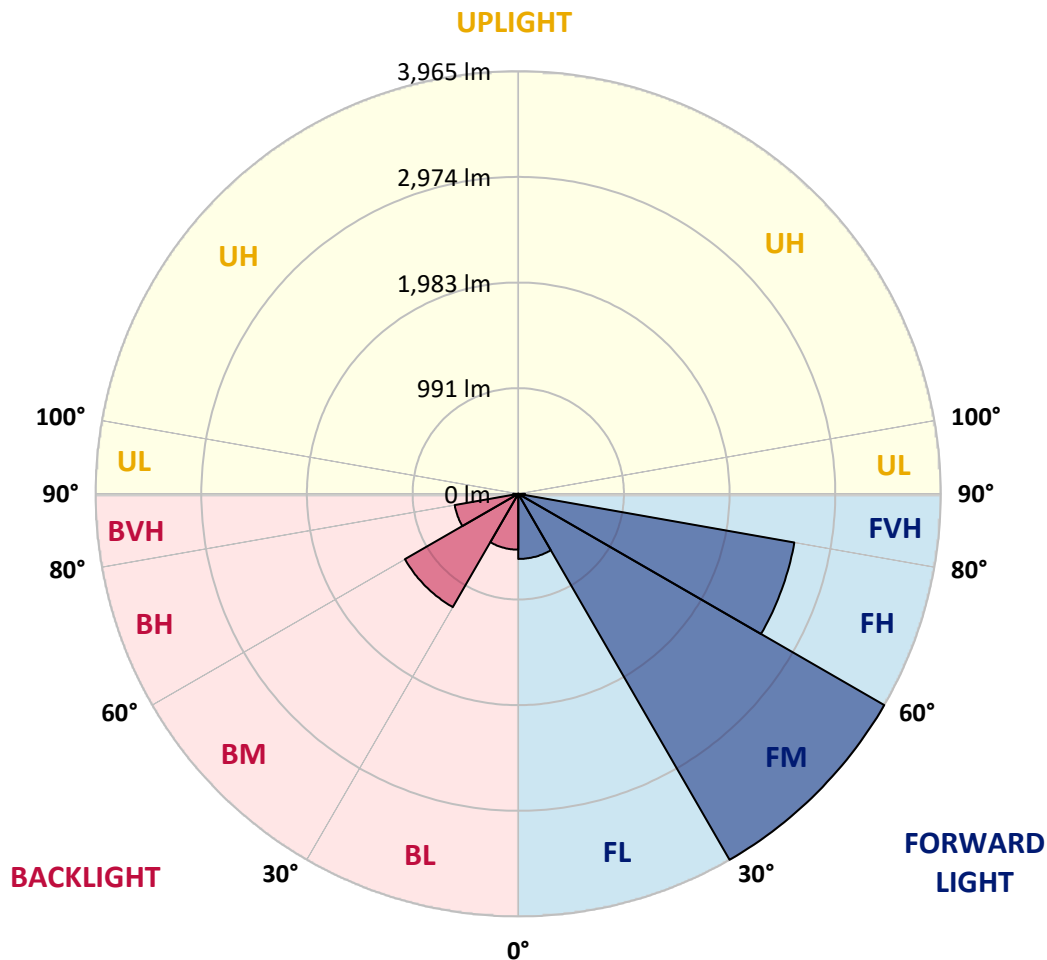
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	611.4	6.3			
FM (30°-60°)	3965.1	41.0			
FH (60°-80°)	2630.2	27.2			G2/5000
FVH (80°-90°)	63.3	0.7			G1/100
BL (0°-30°)	524.1	5.4	B2/1000		
BM (30°-60°)	1228.0	12.7	B2/2500		
BH (60°-80°)	605.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	48.4	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°	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2
2.5°	1062.0	1068.1	1066.6	1064.0	1063.5	1064.6	1066.1	1067.6	1067.1	1069.6
5°	1059.0	1065.1	1064.6	1064.6	1066.6	1070.7	1073.2	1075.7	1073.2	1076.2
7.5°	1061.0	1065.6	1067.6	1069.6	1074.7	1082.3	1088.4	1094.0	1091.0	1094.5
10°	1086.9	1090.5	1092.5	1092.5	1096.1	1104.7	1110.8	1121.0	1118.4	1124.0
12.5°	1134.2	1137.8	1137.8	1135.7	1138.3	1143.9	1145.9	1157.1	1152.5	1161.7
15°	1192.2	1199.3	1193.7	1190.1	1191.1	1196.7	1196.2	1204.9	1200.3	1207.9
17.5°	1256.2	1265.4	1256.2	1255.7	1253.7	1259.8	1260.3	1267.9	1259.8	1265.4
20°	1332.0	1344.7	1337.0	1339.6	1335.0	1337.6	1340.1	1351.3	1338.6	1342.6
22.5°	1438.7	1454.0	1445.8	1455.5	1452.4	1450.4	1449.9	1469.7	1449.9	1451.4
25°	1594.3	1612.6	1598.4	1611.6	1611.6	1618.2	1625.8	1651.2	1618.2	1608.5
27.5°	1824.1	1842.4	1814.4	1822.6	1820.0	1836.3	1828.1	1891.2	1855.6	1839.8
30°	2100.6	2133.2	2080.3	2078.3	2075.7	2101.7	2113.3	2155.0	2118.9	2103.2
32.5°	2399.6	2433.6	2370.6	2352.3	2342.6	2358.4	2348.7	2382.3	2357.4	2333.0
35°	2715.8	2749.3	2689.3	2653.8	2615.1	2582.1	2547.5	2556.1	2532.8	2495.7
37.5°	3014.7	3076.2	3012.7	2974.5	2903.4	2838.8	2742.2	2702.1	2680.2	2646.1
40°	3319.2	3354.3	3306.0	3273.5	3196.2	3095.0	2940.5	2855.6	2826.1	2793.1
42.5°	3543.4	3577.0	3551.1	3528.7	3468.2	3350.8	3151.0	3044.7	3002.0	2964.9
45°	3721.4	3746.3	3730.0	3738.1	3712.2	3598.3	3369.1	3247.5	3203.3	3158.1
47.5°	3793.0	3819.5	3845.4	3893.7	3937.9	3854.1	3603.4	3467.2	3420.4	3374.1
50°	3784.9	3811.9	3887.1	3989.8	4127.1	4099.1	3850.5	3701.0	3657.8	3604.9
52.5°	3719.8	3750.3	3846.9	4017.7	4236.4	4282.6	4102.1	3942.5	3901.8	3838.8
55°	3549.0	3567.3	3712.2	3954.2	4262.3	4410.7	4348.7	4199.8	4159.1	4071.1
57.5°	3232.3	3258.7	3469.7	3782.9	4197.2	4497.7	4565.3	4470.2	4431.1	4304.5
60°	2819.0	2861.2	3102.7	3495.1	4031.5	4497.2	4762.0	4736.1	4703.6	4534.3
62.5°	2351.3	2400.1	2632.4	3088.4	3741.7	4369.6	4885.1	4958.8	4942.0	4746.3
65°	1805.8	1839.3	2070.6	2562.2	3290.8	4095.5	4899.3	5110.8	5113.8	4907.4
67.5°	1202.3	1298.9	1499.7	1922.7	2686.8	3647.6	4774.2	5135.7	5165.2	4962.8
70°	586.7	713.8	910.5	1249.6	1922.7	2960.8	4447.3	4931.3	4996.9	4801.2
72.5°	243.5	284.7	392.0	616.7	1103.7	1997.9	3790.5	4377.2	4498.7	4254.1
75°	164.2	177.9	224.2	316.2	502.8	985.2	2733.6	3263.8	3459.5	3213.0
77.5°	126.6	135.2	163.2	221.1	298.9	372.6	1463.1	1966.9	2068.1	1914.6
80°	99.6	106.3	122.0	161.2	212.0	199.3	498.7	891.2	949.7	796.6
82.5°	86.4	89.0	87.4	109.3	140.8	116.4	163.7	328.9	363.0	263.3
85°	62.5	69.6	72.7	67.6	74.7	59.0	67.1	116.4	128.1	114.4
87.5°	25.4	37.6	46.3	43.7	27.5	16.8	20.8	34.1	39.1	42.7
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°
1073.2	0°	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2
1073.7	2.5°	1074.2	1077.8	1080.3	1083.4	1085.4	1088.4	1094.5	1098.1	1098.6	1101.2
1081.8	5°	1083.9	1089.0	1094.5	1102.7	1111.8	1119.5	1131.2	1139.3	1142.3	1144.9
1101.7	7.5°	1104.7	1111.8	1122.0	1136.2	1149.5	1159.6	1173.9	1183.5	1193.2	1196.7
1133.2	10°	1135.7	1145.9	1160.6	1180.0	1194.2	1207.4	1222.2	1230.3	1239.9	1244.0
1170.8	12.5°	1174.4	1185.0	1204.4	1231.3	1244.5	1253.7	1258.8	1256.7	1258.8	1262.3
1216.1	15°	1218.6	1230.3	1252.1	1281.1	1290.3	1282.1	1271.0	1260.8	1259.3	1260.3
1271.0	17.5°	1271.0	1279.6	1305.0	1329.4	1322.8	1289.3	1264.9	1248.6	1240.5	1237.9
1341.1	20°	1344.2	1344.2	1365.0	1380.3	1336.0	1279.1	1241.0	1214.5	1197.8	1190.6
1436.7	22.5°	1433.1	1425.0	1438.2	1427.5	1333.5	1250.6	1197.8	1152.0	1126.6	1116.4
1570.4	25°	1546.0	1536.3	1532.8	1466.7	1315.2	1205.4	1119.5	1064.0	1041.7	1036.1
1763.1	27.5°	1716.3	1691.9	1645.6	1488.0	1281.6	1134.2	1028.0	976.6	963.9	964.4
2010.7	30°	1943.0	1894.2	1780.9	1491.6	1226.7	1033.5	934.4	897.8	891.7	894.2
2218.6	32.5°	2153.0	2106.7	1919.1	1475.3	1142.3	934.9	850.5	826.1	817.0	820.0
2377.2	35°	2317.7	2305.0	2047.3	1452.4	1038.6	842.4	775.3	754.4	736.6	732.6
2526.7	37.5°	2473.3	2468.2	2143.3	1420.4	935.9	776.8	714.8	687.3	661.4	647.2
2691.9	40°	2644.1	2639.0	2206.4	1371.1	844.9	719.9	660.4	624.3	592.3	566.3
2879.0	42.5°	2836.3	2806.3	2236.4	1300.4	767.7	671.6	616.2	567.4	525.2	501.3
3090.5	45°	3046.2	2978.6	2235.9	1210.5	702.6	627.3	568.9	499.7	460.6	438.2
3307.5	47.5°	3268.9	3143.3	2208.4	1110.8	639.5	578.5	495.7	442.8	416.9	403.1
3543.4	50°	3498.7	3297.4	2161.6	996.4	575.0	523.1	449.9	413.8	394.0	381.3
3777.3	52.5°	3714.8	3437.2	2105.2	866.8	509.4	469.2	429.6	401.6	380.8	366.5
4004.0	55°	3915.6	3557.7	2025.4	734.1	456.0	433.1	419.9	396.5	372.6	355.9
4234.3	57.5°	4094.0	3636.0	1887.6	609.6	417.9	408.2	409.8	387.9	360.4	346.2
4461.1	60°	4242.5	3693.4	1683.8	494.1	386.9	383.8	394.0	371.6	339.6	323.3
4652.7	62.5°	4331.4	3692.4	1433.6	404.7	360.4	361.5	373.2	351.3	318.8	303.5
4752.9	65°	4323.8	3601.9	1159.1	346.2	335.0	336.0	351.3	328.9	301.5	292.3
4702.5	67.5°	4170.8	3381.3	889.2	308.1	307.1	311.6	329.4	313.7	290.8	289.8
4402.6	70°	3756.4	2923.2	640.6	277.6	278.1	284.7	308.1	304.0	285.2	287.2
3701.5	72.5°	3012.2	2228.8	430.1	245.5	246.1	256.7	287.7	296.4	279.6	306.6
2626.3	75°	2006.1	1389.9	276.6	211.5	212.0	225.7	270.0	281.6	264.4	305.5
1366.5	77.5°	963.9	624.8	200.3	177.9	177.9	190.6	233.3	252.2	225.2	237.4
439.2	80°	333.0	234.9	157.6	143.4	140.3	149.0	196.7	218.6	194.2	179.0
143.4	82.5°	131.2	122.0	126.6	111.3	101.2	106.8	153.0	180.5	142.9	129.1
80.8	85°	75.2	79.3	89.5	73.7	58.5	65.6	112.4	129.6	107.8	95.1
26.4	87.5°	20.3	28.0	41.2	38.1	26.4	28.0	53.4	71.7	62.0	47.8
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°
1073.2
1100.6
1144.4
1197.2
1246.0
1263.3
1263.8
1241.5
1189.1
1114.9
1037.1
965.9
902.9
824.1
735.6
647.7
568.9
502.8
437.2
400.1
376.7
360.4
349.3
337.1
316.2
298.9
291.8
291.3
286.7
310.6
308.1
217.6
167.8
128.6
97.1
49.3
0.0

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