

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: P846638

Luminaire Tested: **GLAN-SB2B-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846638
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-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9330 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

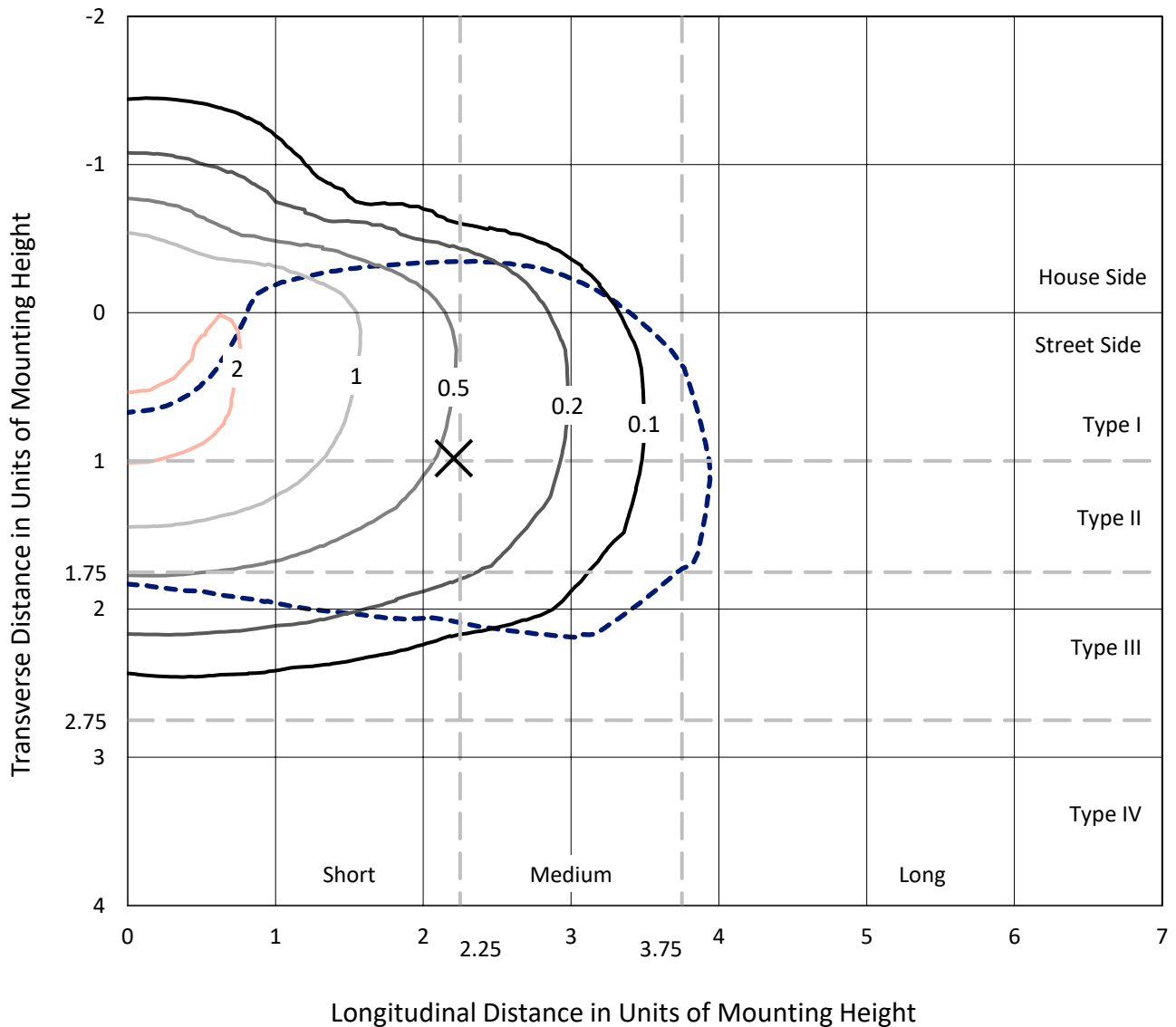
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

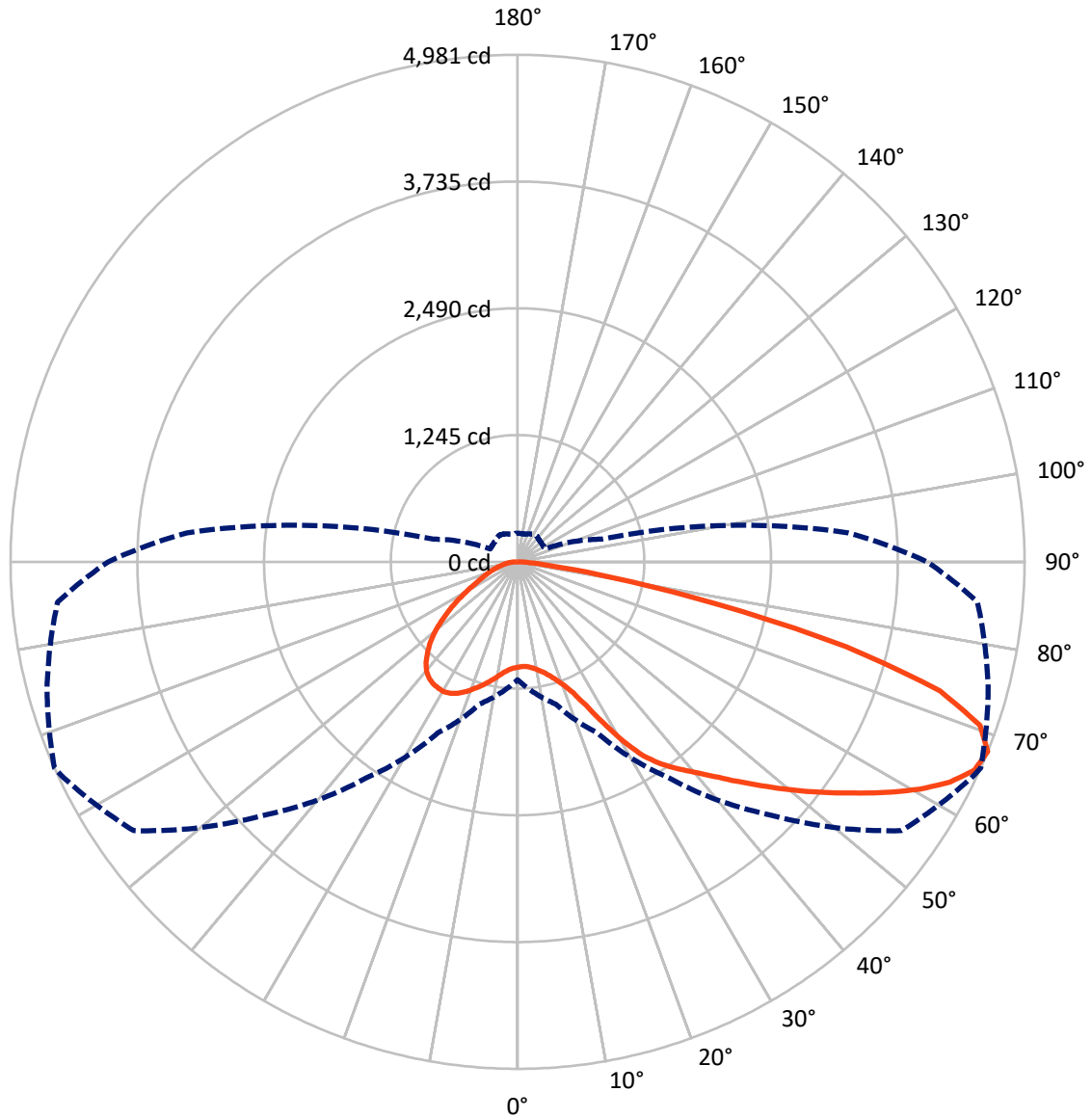
✕ Max cd
 - - - 1/2 Max cd



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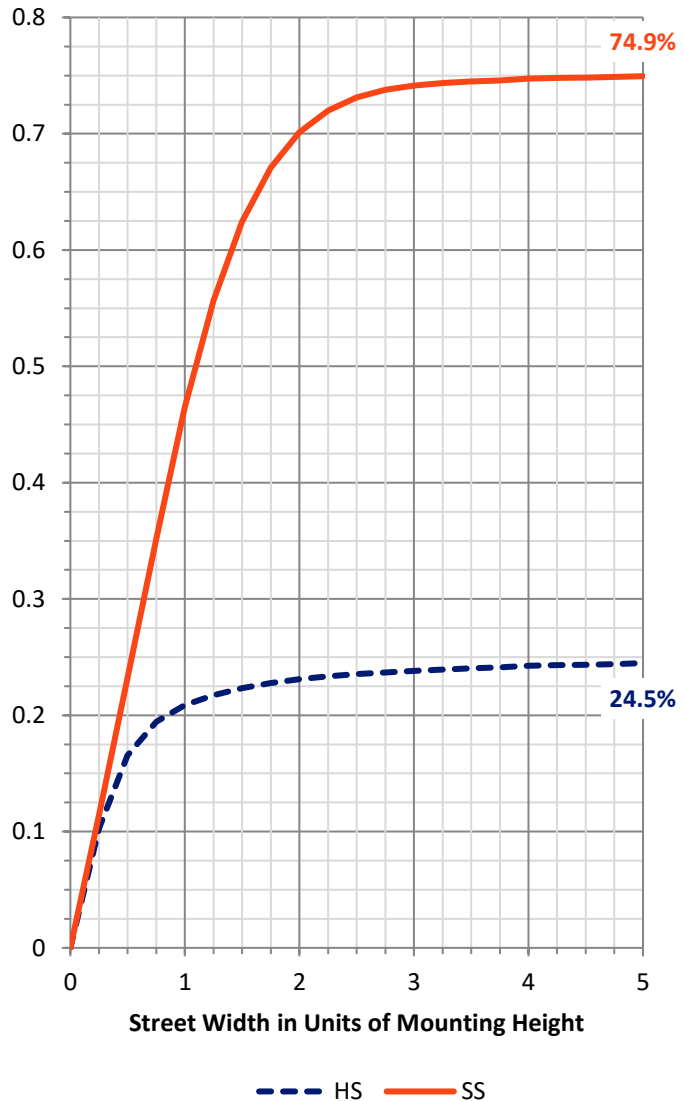
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2319.9	0.0	2319.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7010.1	0.0	7010.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	9330.0	0.0	9330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	1.1
10°-20°	339.0	3.6
20°-30°	653.3	7.0
30°-40°	1145.6	12.3
40°-50°	1703.1	18.3
50°-60°	2158.8	23.1
60°-70°	2112.3	22.6
70°-80°	1007.6	10.8
80°-90°	107.7	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°	9330.0	100.0
0°-180°	9330.0	100.0

Coefficient of Utilization



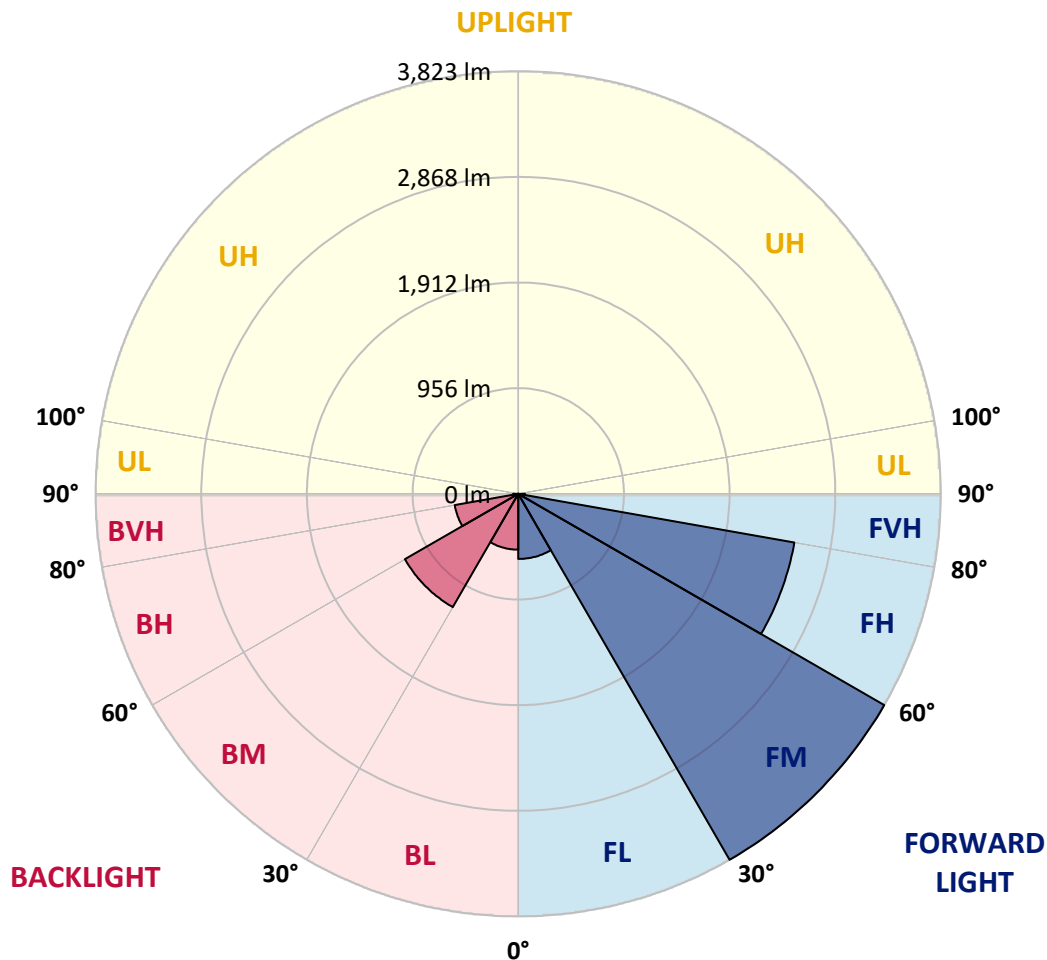
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.6	6.3			
FM (30°-60°)	3823.4	41.0			
FH (60°-80°)	2536.1	27.2			G2/5000
FVH (80°-90°)	61.1	0.7			G1/100
BL (0°-30°)	505.4	5.4	B2/1000		
BM (30°-60°)	1184.1	12.7	B2/2500		
BH (60°-80°)	583.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	46.6	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°	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8
2.5°	1024.0	1029.9	1028.4	1026.0	1025.5	1026.5	1028.0	1029.4	1028.9	1031.4
5°	1021.1	1027.0	1026.5	1026.5	1028.4	1032.4	1034.8	1037.3	1034.8	1037.8
7.5°	1023.1	1027.5	1029.4	1031.4	1036.3	1043.6	1049.5	1054.9	1052.0	1055.4
10°	1048.1	1051.5	1053.4	1053.4	1056.9	1065.2	1071.1	1080.9	1078.4	1083.8
12.5°	1093.6	1097.1	1097.1	1095.1	1097.6	1103.0	1104.9	1115.7	1111.3	1120.1
15°	1149.5	1156.4	1151.0	1147.6	1148.5	1153.9	1153.4	1161.8	1157.4	1164.7
17.5°	1211.3	1220.1	1211.3	1210.8	1208.8	1214.7	1215.2	1222.6	1214.7	1220.1
20°	1284.3	1296.6	1289.2	1291.7	1287.3	1289.7	1292.2	1303.0	1290.7	1294.6
22.5°	1387.3	1402.0	1394.1	1403.5	1400.5	1398.6	1398.1	1417.2	1398.1	1399.5
25°	1537.3	1554.9	1541.2	1553.9	1553.9	1560.3	1567.7	1592.2	1560.3	1551.0
27.5°	1758.9	1776.5	1749.5	1757.4	1754.9	1770.6	1762.8	1823.6	1789.2	1774.0
30°	2025.5	2056.9	2005.9	2004.0	2001.5	2026.5	2037.8	2078.0	2043.2	2028.0
32.5°	2313.8	2346.6	2285.8	2268.2	2258.9	2274.1	2264.7	2297.1	2273.1	2249.5
35°	2618.7	2651.0	2593.2	2558.9	2521.6	2489.7	2456.4	2464.7	2442.2	2406.4
37.5°	2906.9	2966.2	2904.9	2868.2	2799.6	2737.3	2644.2	2605.4	2584.4	2551.5
40°	3200.5	3234.4	3187.8	3156.4	3081.9	2984.4	2835.3	2753.5	2725.0	2693.2
42.5°	3416.7	3449.1	3424.1	3402.5	3344.2	3230.9	3038.3	2935.8	2894.7	2858.9
45°	3588.3	3612.3	3596.6	3604.5	3579.5	3469.7	3248.6	3131.4	3088.8	3045.1
47.5°	3657.4	3682.9	3707.9	3754.5	3797.1	3716.2	3474.6	3343.2	3298.1	3253.5
50°	3649.6	3675.5	3748.1	3847.1	3979.5	3952.5	3712.8	3568.7	3527.0	3476.0
52.5°	3586.8	3616.2	3709.4	3874.1	4084.9	4129.5	3955.5	3801.5	3762.3	3701.5
55°	3422.1	3439.8	3579.5	3812.8	4109.9	4253.0	4193.2	4049.6	4010.4	3925.6
57.5°	3116.7	3142.2	3345.6	3647.6	4047.1	4336.8	4402.0	4310.4	4272.6	4150.6
60°	2718.2	2758.9	2991.7	3370.2	3887.3	4336.3	4591.7	4566.7	4535.4	4372.1
62.5°	2267.2	2314.3	2538.3	2978.0	3607.9	4213.3	4710.4	4781.4	4765.3	4576.5
65°	1741.2	1773.6	1996.6	2470.6	3173.1	3949.1	4724.1	4928.0	4931.0	4731.9
67.5°	1159.3	1252.5	1446.1	1854.0	2590.7	3517.2	4603.5	4952.0	4980.5	4785.4
70°	565.7	688.2	878.0	1204.9	1854.0	2854.9	4288.3	4755.0	4818.2	4629.5
72.5°	234.8	274.5	377.9	594.6	1064.2	1926.5	3655.0	4220.7	4337.8	4102.0
75°	158.3	171.6	216.2	304.9	484.8	950.0	2635.8	3147.1	3335.8	3098.1
77.5°	122.1	130.4	157.4	213.2	288.2	359.3	1410.8	1896.6	1994.1	1846.1
80°	96.1	102.5	117.6	155.4	204.4	192.2	480.9	859.3	915.7	768.1
82.5°	83.3	85.8	84.3	105.4	135.8	112.3	157.8	317.2	350.0	253.9
85°	60.3	67.2	70.1	65.2	72.1	56.9	64.7	112.3	123.5	110.3
87.5°	24.5	36.3	44.6	42.2	26.5	16.2	20.1	32.8	37.7	41.2
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°
1034.8	0°	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8	1034.8
1035.3	2.5°	1035.8	1039.2	1041.7	1044.6	1046.6	1049.5	1055.4	1058.8	1059.3	1061.8
1043.2	5°	1045.1	1050.0	1055.4	1063.3	1072.1	1079.4	1090.7	1098.5	1101.5	1103.9
1062.3	7.5°	1065.2	1072.1	1081.9	1095.6	1108.4	1118.2	1131.9	1141.2	1150.5	1153.9
1092.7	10°	1095.1	1104.9	1119.1	1137.8	1151.5	1164.2	1178.5	1186.3	1195.6	1199.5
1128.9	12.5°	1132.4	1142.7	1161.3	1187.3	1200.0	1208.8	1213.7	1211.8	1213.7	1217.2
1172.6	15°	1175.0	1186.3	1207.4	1235.3	1244.1	1236.3	1225.5	1215.7	1214.2	1215.2
1225.5	17.5°	1225.5	1233.8	1258.4	1281.9	1275.5	1243.2	1219.6	1203.9	1196.1	1193.6
1293.2	20°	1296.1	1296.1	1316.2	1330.9	1288.3	1233.4	1196.6	1171.1	1154.9	1148.1
1385.3	22.5°	1381.9	1374.0	1386.8	1376.5	1285.8	1205.9	1154.9	1110.8	1086.3	1076.5
1514.2	25°	1490.7	1481.4	1478.0	1414.2	1268.2	1162.3	1079.4	1026.0	1004.4	999.0
1700.0	27.5°	1654.9	1631.4	1586.8	1434.8	1235.8	1093.6	991.2	941.7	929.4	929.9
1938.8	30°	1873.6	1826.5	1717.2	1438.3	1182.9	996.6	901.0	865.7	859.8	862.3
2139.2	32.5°	2076.0	2031.4	1850.5	1422.6	1101.5	901.5	820.1	796.6	787.8	790.7
2292.2	35°	2234.8	2222.6	1974.1	1400.5	1001.5	812.3	747.6	727.5	710.3	706.4
2436.3	37.5°	2384.8	2379.9	2066.7	1369.6	902.5	749.0	689.2	662.8	637.8	624.0
2595.6	40°	2549.6	2544.6	2127.5	1322.1	814.7	694.1	636.8	602.0	571.1	546.1
2776.0	42.5°	2734.8	2705.9	2156.4	1253.9	740.2	647.6	594.1	547.1	506.4	483.3
2979.9	45°	2937.3	2872.1	2155.9	1167.2	677.5	604.9	548.5	481.9	444.1	422.6
3189.3	47.5°	3152.0	3030.9	2129.4	1071.1	616.7	557.9	477.9	427.0	402.0	388.7
3416.7	50°	3373.6	3179.5	2084.3	960.8	554.4	504.4	433.8	399.0	379.9	367.7
3642.2	52.5°	3581.9	3314.3	2029.9	835.8	491.2	452.5	414.2	387.3	367.2	353.4
3860.8	55°	3775.5	3430.4	1953.0	707.9	439.7	417.7	404.9	382.4	359.3	343.1
4082.9	57.5°	3947.6	3505.9	1820.1	587.8	402.9	393.6	395.1	374.0	347.6	333.8
4301.5	60°	4090.8	3561.3	1623.6	476.5	373.0	370.1	379.9	358.3	327.5	311.8
4486.3	62.5°	4176.5	3560.4	1382.4	390.2	347.6	348.5	359.8	338.7	307.4	292.7
4582.9	65°	4169.2	3473.1	1117.7	333.8	323.0	324.0	338.7	317.2	290.7	281.9
4534.4	67.5°	4021.6	3260.3	857.4	297.1	296.1	300.5	317.7	302.5	280.4	279.4
4245.2	70°	3622.1	2818.7	617.7	267.7	268.1	274.5	297.1	293.1	275.0	277.0
3569.2	72.5°	2904.5	2149.1	414.7	236.8	237.3	247.6	277.5	285.8	269.6	295.6
2532.4	75°	1934.3	1340.2	266.7	203.9	204.4	217.7	260.3	271.6	254.9	294.6
1317.7	77.5°	929.4	602.5	193.1	171.6	171.6	183.8	225.0	243.1	217.2	228.9
423.5	80°	321.1	226.5	152.0	138.2	135.3	143.6	189.7	210.8	187.3	172.6
138.2	82.5°	126.5	117.6	122.1	107.4	97.6	102.9	147.6	174.0	137.7	124.5
77.9	85°	72.6	76.5	86.3	71.1	56.4	63.2	108.3	125.0	103.9	91.7
25.5	87.5°	19.6	27.0	39.7	36.8	25.5	27.0	51.5	69.1	59.8	46.1
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°
1034.8
1061.3
1103.4
1154.4
1201.5
1218.2
1218.6
1197.1
1146.6
1075.0
1000.0
931.4
870.6
794.6
709.3
624.5
548.5
484.8
421.6
385.8
363.2
347.6
336.8
325.0
304.9
288.2
281.4
280.9
276.5
299.5
297.1
209.8
161.8
124.0
93.6
47.5
0.0

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