

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: P852240

Luminaire Tested: **GLAN-SB2B-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852240
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-SB2B-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 450mA 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: 7321 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

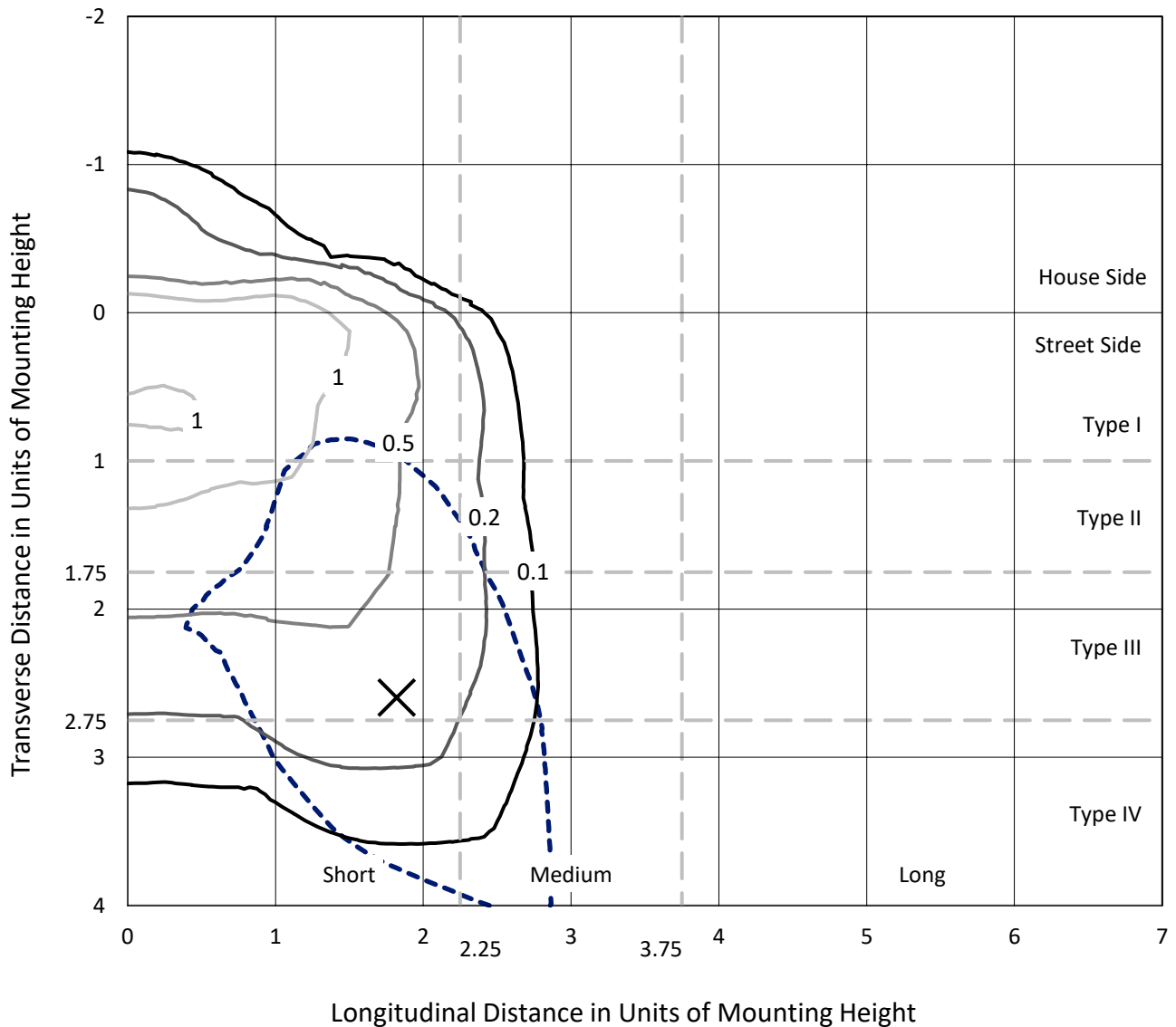
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

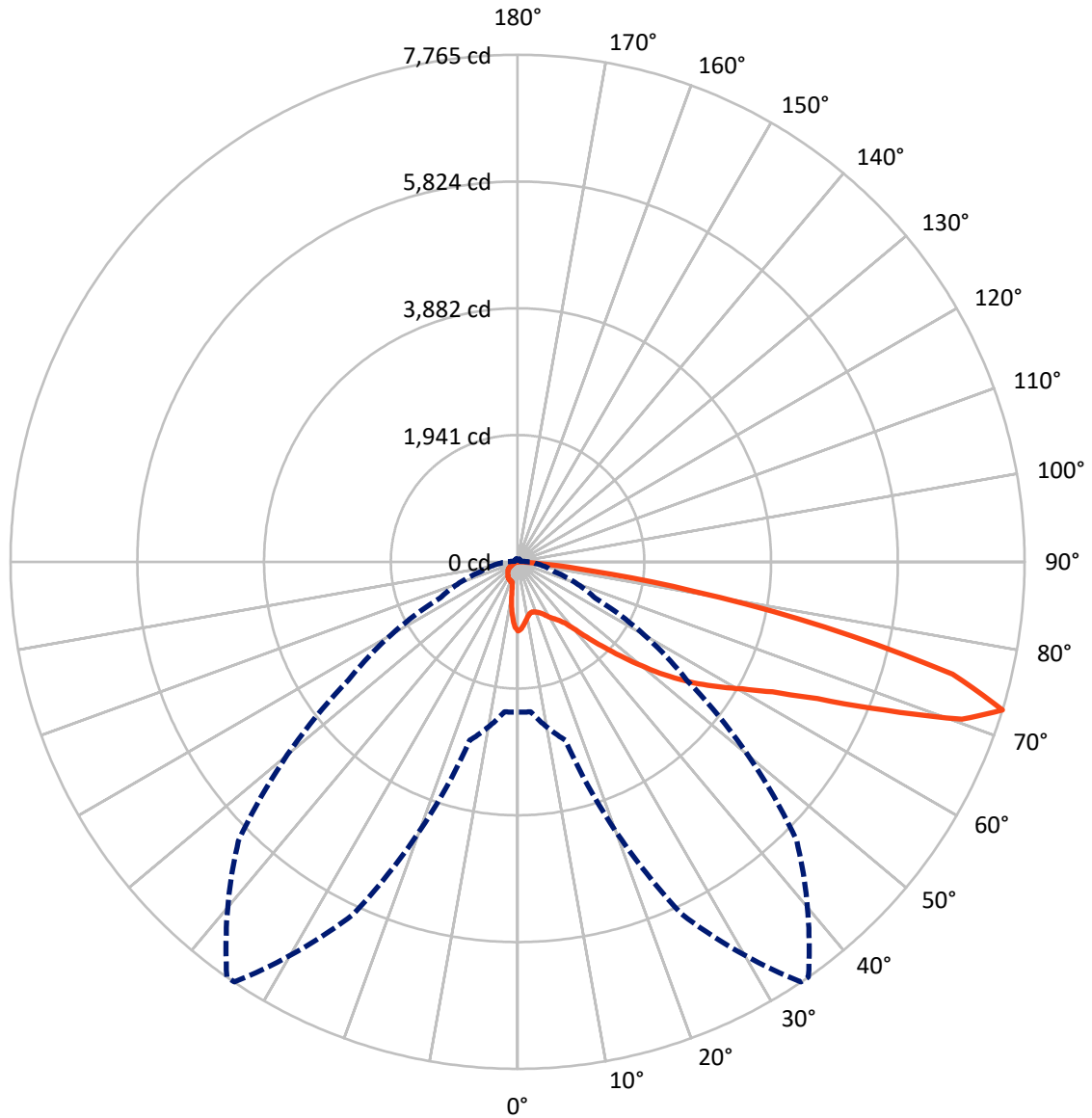
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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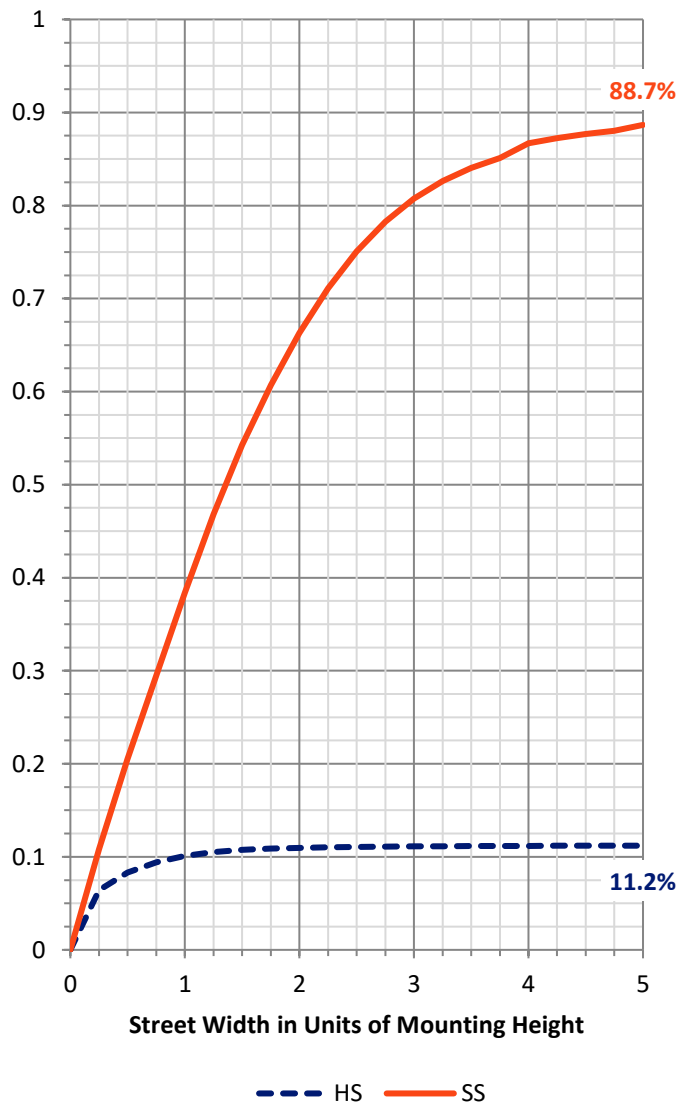
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	823.9	0.0	823.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6497.0	0.0	6497.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	7321.0	0.0	7321.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	1.2
10°-20°	204.0	2.8
20°-30°	331.3	4.5
30°-40°	552.8	7.6
40°-50°	1046.0	14.3
50°-60°	1662.1	22.7
60°-70°	2056.1	28.1
70°-80°	1278.1	17.5
80°-90°	103.3	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°	7321.0	100.0
0°-180°	7321.0	100.0

Coefficient of Utilization



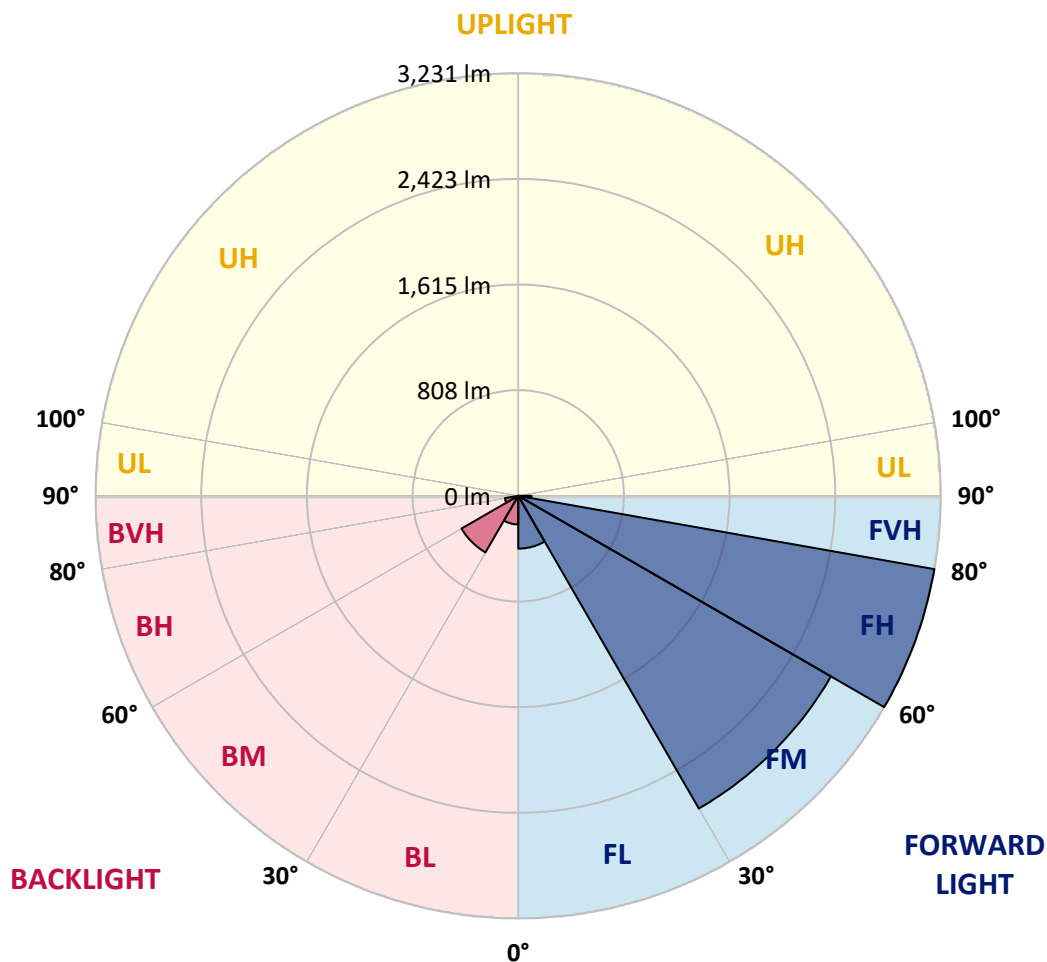
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.6	5.5			
FM	(30°-60°)	2760.7	37.7			
FH	(60°-80°)	3230.8	44.1			G2/5000
FVH	(80°-90°)	101.9	1.4			G2/225
BL	(0°-30°)	218.9	3.0	B1/500		
BM	(30°-60°)	500.2	6.8	B1/1000		
BH	(60°-80°)	103.4	1.4	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1
2.5°	1013.9	1022.4	1024.0	1026.7	1026.7	1029.9	1035.3	1042.8	1055.2	1061.6
5°	934.5	940.9	948.9	955.4	967.7	969.3	990.2	1010.6	1039.1	1060.5
7.5°	854.5	862.0	872.8	888.3	904.4	909.2	940.9	975.2	1020.3	1060.5
10°	798.2	798.7	808.4	824.0	849.7	855.6	894.2	943.0	999.4	1054.1
12.5°	766.6	770.3	774.6	786.4	811.1	814.8	856.1	913.5	978.4	1050.3
15°	766.6	769.2	771.9	777.8	797.7	800.9	837.4	894.8	967.7	1051.9
17.5°	774.6	778.9	776.8	783.7	804.6	806.8	839.0	889.4	967.2	1062.1
20°	793.9	797.1	792.8	797.1	818.1	822.3	855.6	899.6	976.3	1079.8
22.5°	824.5	826.1	815.9	819.1	840.6	845.9	884.6	928.6	998.3	1108.3
25°	863.1	866.3	850.8	854.5	874.9	881.4	925.9	972.0	1033.2	1147.4
27.5°	907.6	909.2	895.8	895.3	921.6	930.7	975.8	1025.7	1079.8	1196.8
30°	958.6	963.4	950.6	948.4	981.7	989.2	1033.7	1091.6	1148.5	1270.8
32.5°	998.8	1002.6	995.1	1000.4	1034.2	1040.1	1104.0	1185.0	1256.3	1375.9
35°	1056.8	1058.9	1041.7	1051.4	1090.0	1105.0	1200.0	1315.9	1392.0	1507.9
37.5°	1266.5	1266.5	1193.6	1145.8	1182.8	1196.2	1331.4	1480.5	1559.4	1684.9
40°	1556.7	1551.9	1445.1	1347.5	1342.7	1369.0	1518.6	1688.1	1775.6	1897.4
42.5°	1866.2	1858.7	1713.4	1616.8	1600.7	1609.8	1734.8	1944.0	2033.1	2156.4
45°	2140.9	2138.7	2005.7	1875.9	1846.9	1875.9	2004.6	2243.3	2307.2	2437.0
47.5°	2371.0	2371.0	2273.9	2189.2	2174.2	2191.3	2369.9	2575.4	2569.5	2735.8
50°	2636.0	2633.9	2541.6	2505.1	2520.7	2544.8	2790.5	2925.2	2840.9	3029.2
52.5°	2821.6	2834.5	2802.8	2796.9	2876.3	2918.2	3217.5	3267.4	3083.9	3307.6
55°	2968.6	2983.6	3020.1	3061.4	3214.3	3269.0	3631.1	3591.9	3287.2	3549.0
57.5°	3176.7	3155.3	3211.6	3293.1	3540.4	3606.4	4031.8	3898.2	3450.9	3744.8
60°	3429.4	3432.6	3442.3	3545.3	3866.1	3950.8	4426.6	4187.9	3556.0	3865.0
62.5°	3733.0	3737.8	3757.7	3915.9	4303.2	4383.2	4847.2	4425.0	3604.3	3831.2
65°	3712.1	3732.5	3954.0	4495.3	4967.9	5046.7	5338.0	4591.3	3531.3	3522.2
67.5°	3381.7	3414.9	3785.6	5187.3	5969.9	6057.9	5931.3	4624.0	3216.4	2739.0
70°	2948.2	2960.0	3405.8	5809.5	7130.2	7219.3	6462.4	4264.1	2440.8	1527.8
72.5°	2302.4	2305.0	2828.1	5953.8	7760.0	7764.8	6045.6	3165.5	1312.6	586.9
75°	1644.7	1628.6	1894.1	4828.4	6827.1	6881.9	4532.3	1484.8	501.6	277.3
77.5°	881.9	899.6	1071.8	2863.5	4716.3	4809.6	2472.9	428.1	255.3	188.8
80°	272.5	287.5	439.3	1311.0	2671.4	2727.7	916.8	190.4	178.1	134.6
82.5°	85.8	89.0	204.9	550.9	1108.8	1134.5	265.5	107.8	121.8	89.0
85°	24.7	25.2	91.2	205.5	274.1	279.5	74.6	41.8	69.7	55.3
87.5°	2.7	8.6	34.3	34.3	24.1	23.6	8.0	9.1	19.8	7.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1061.1	0°	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1
1065.9	2.5°	1063.2	1063.7	1056.8	1045.0	1032.1	1021.4	1008.0	997.2	989.7	987.6
1075.5	5°	1070.7	1067.0	1047.1	1011.2	968.3	931.2	889.9	857.2	835.8	826.6
1085.7	7.5°	1082.0	1071.3	1027.8	957.0	874.9	802.0	727.9	670.5	634.1	615.8
1095.4	10°	1091.6	1070.2	995.6	878.7	753.1	642.6	542.9	473.7	435.0	416.8
1106.7	12.5°	1100.8	1069.6	953.8	785.9	615.8	480.6	387.8	353.5	342.8	339.0
1124.9	15°	1117.9	1071.3	901.2	679.7	479.0	363.2	329.4	328.8	331.0	329.9
1152.8	17.5°	1141.5	1072.9	841.7	567.0	369.6	320.2	318.6	323.5	326.7	325.1
1187.7	20°	1172.1	1079.3	778.4	455.4	317.6	309.5	313.3	317.6	320.2	317.6
1234.3	22.5°	1215.0	1090.6	709.2	365.8	300.9	303.1	306.3	311.1	313.8	310.1
1293.9	25°	1267.6	1108.3	641.0	318.1	292.9	295.6	300.4	305.8	309.0	305.2
1369.0	27.5°	1335.7	1136.7	578.3	307.4	284.8	286.5	293.4	301.5	305.8	300.9
1475.7	30°	1434.4	1183.4	524.1	312.2	280.0	276.3	285.9	297.2	302.0	297.7
1621.1	32.5°	1565.3	1249.3	490.8	319.7	277.9	264.5	273.6	288.1	296.1	293.4
1811.0	35°	1737.0	1349.7	478.0	328.3	276.3	252.1	258.6	274.1	288.1	290.7
2050.2	37.5°	1945.1	1489.1	481.7	332.1	271.4	241.9	245.1	258.6	276.8	285.4
2319.5	40°	2181.7	1651.7	503.2	328.3	266.1	233.3	233.9	244.1	260.2	273.0
2609.2	42.5°	2425.7	1841.6	542.9	314.3	261.2	225.8	224.2	231.2	241.9	251.0
2898.3	45°	2658.0	2036.8	582.0	295.0	255.3	218.3	214.6	217.3	219.4	223.2
3180.0	47.5°	2860.8	2174.2	570.8	277.3	247.3	209.7	203.3	202.2	195.8	195.3
3431.5	50°	3000.8	2204.2	506.9	259.6	235.5	200.1	189.9	183.5	172.2	166.8
3619.8	52.5°	3045.3	2085.6	414.1	241.9	216.2	187.2	172.7	162.5	148.6	143.8
3728.2	55°	2986.3	1853.4	331.0	220.5	189.4	170.0	154.0	140.5	129.3	123.4
3740.0	57.5°	2842.0	1557.8	261.8	195.3	160.9	150.7	134.6	121.2	111.6	105.7
3609.1	60°	2602.8	1237.0	207.1	165.2	137.3	129.8	113.2	104.6	96.0	89.0
3271.1	62.5°	2239.6	883.0	162.5	130.9	114.8	106.2	96.6	90.1	79.9	70.3
2663.4	65°	1747.7	540.2	125.5	96.0	92.3	88.0	82.1	76.2	63.8	54.2
1737.5	67.5°	1102.4	255.9	89.6	72.4	73.0	70.8	68.1	63.3	54.2	45.6
778.4	70°	485.5	123.9	59.0	55.3	54.2	54.2	56.3	54.7	46.1	38.1
270.4	72.5°	165.2	66.5	44.0	41.8	39.2	38.6	47.2	45.6	37.0	29.5
134.6	75°	86.4	44.5	32.2	30.0	23.6	28.4	37.6	35.4	26.3	19.3
89.0	77.5°	56.3	31.6	22.0	19.3	13.4	18.8	27.9	24.7	15.6	9.7
58.5	80°	35.4	20.9	12.9	9.1	6.4	10.2	15.0	10.7	5.9	2.1
34.3	82.5°	18.8	10.7	4.8	3.2	2.7	3.2	3.8	2.7	1.1	0.0
17.7	85°	7.5	3.8	1.6	1.1	0.5	0.0	1.1	0.5	0.0	0.0
3.2	87.5°	2.7	0.5	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°
1061.1
991.3
829.9
618.5
417.3
338.0
329.4
324.5
317.0
309.5
304.7
300.9
297.2
293.4
290.7
287.5
277.3
254.8
225.3
194.7
167.4
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