

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: P845888

Luminaire Tested: **GLAN-SB1B-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845888  
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-SB1B-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5445 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

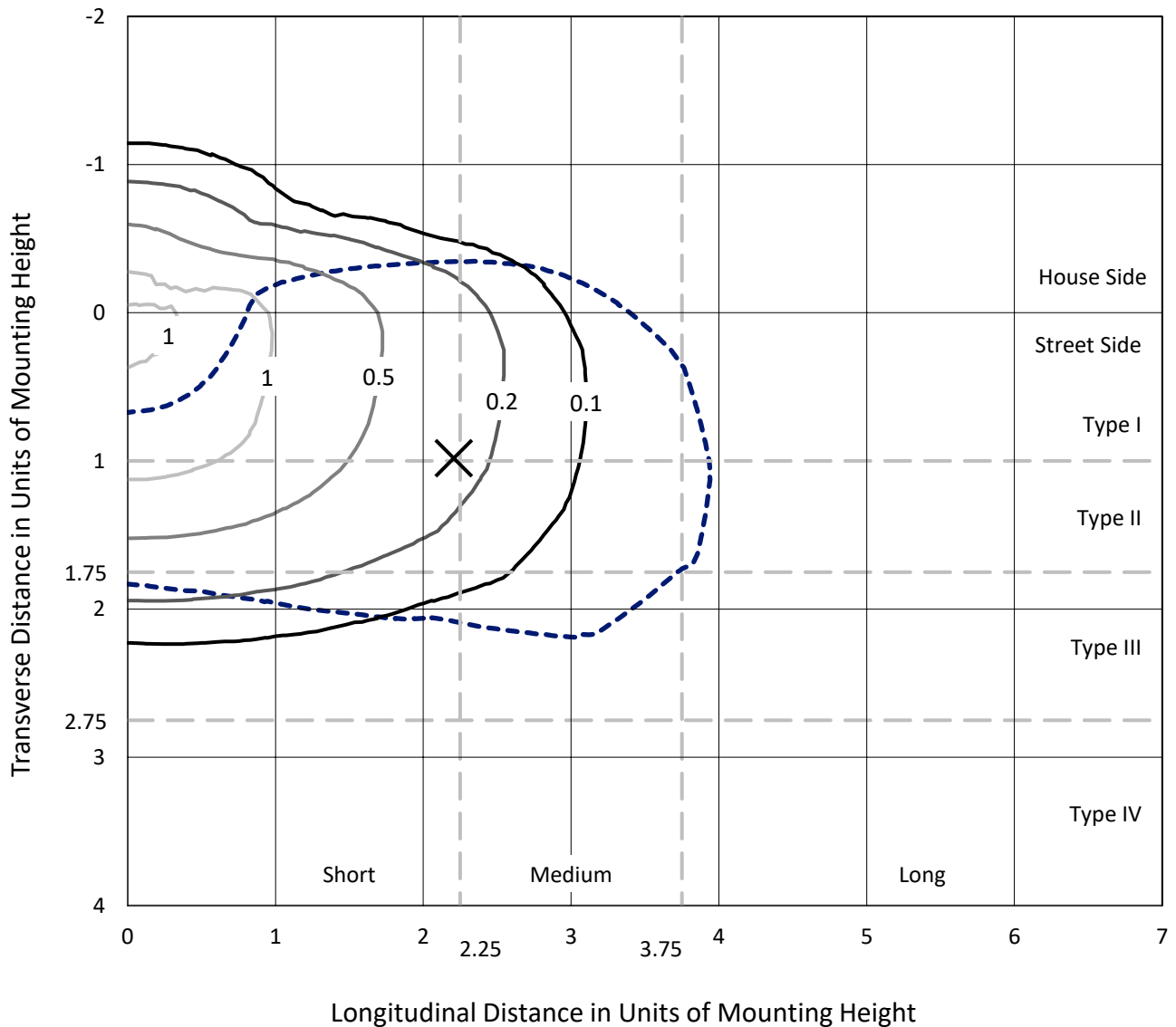
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

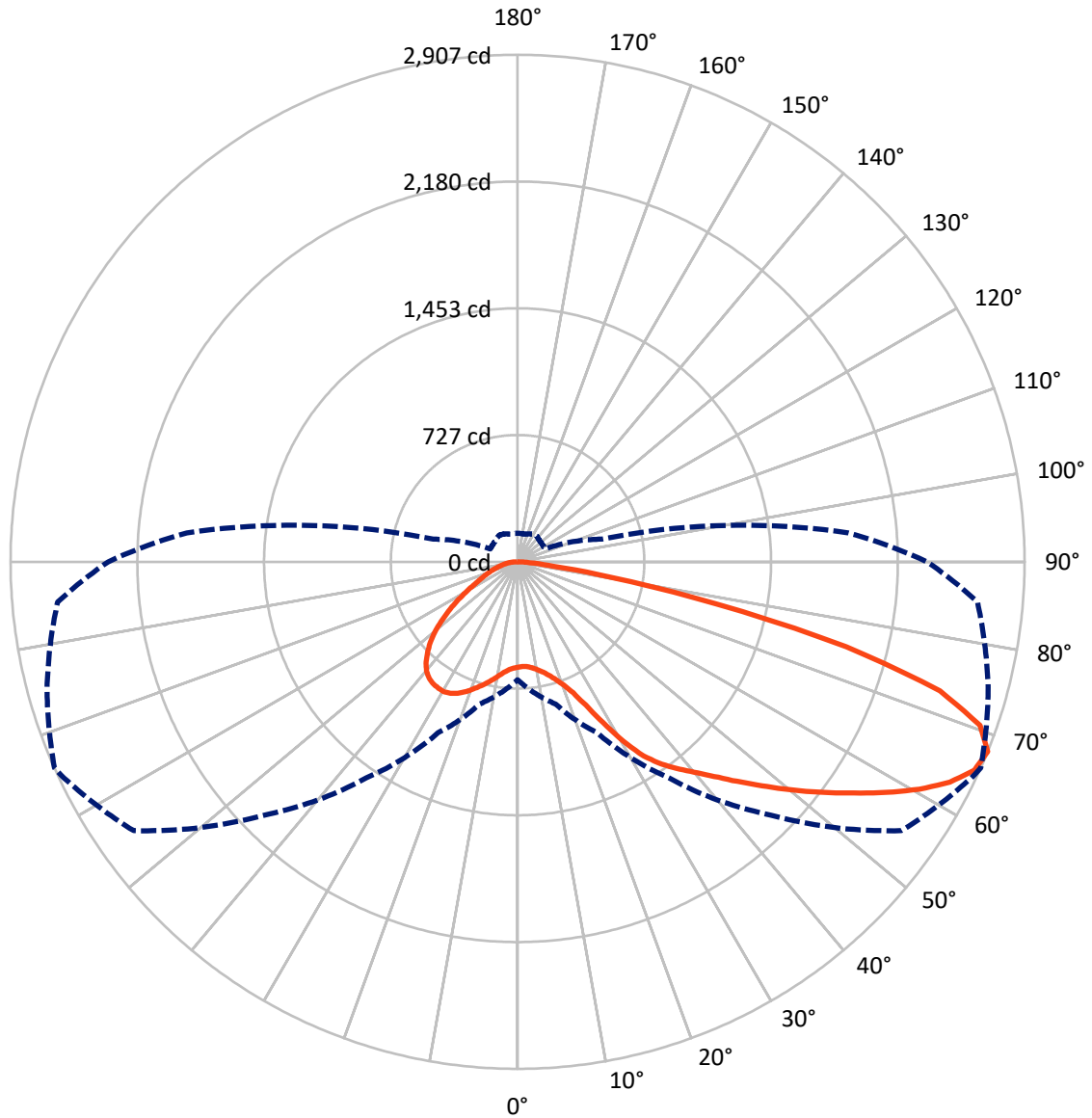
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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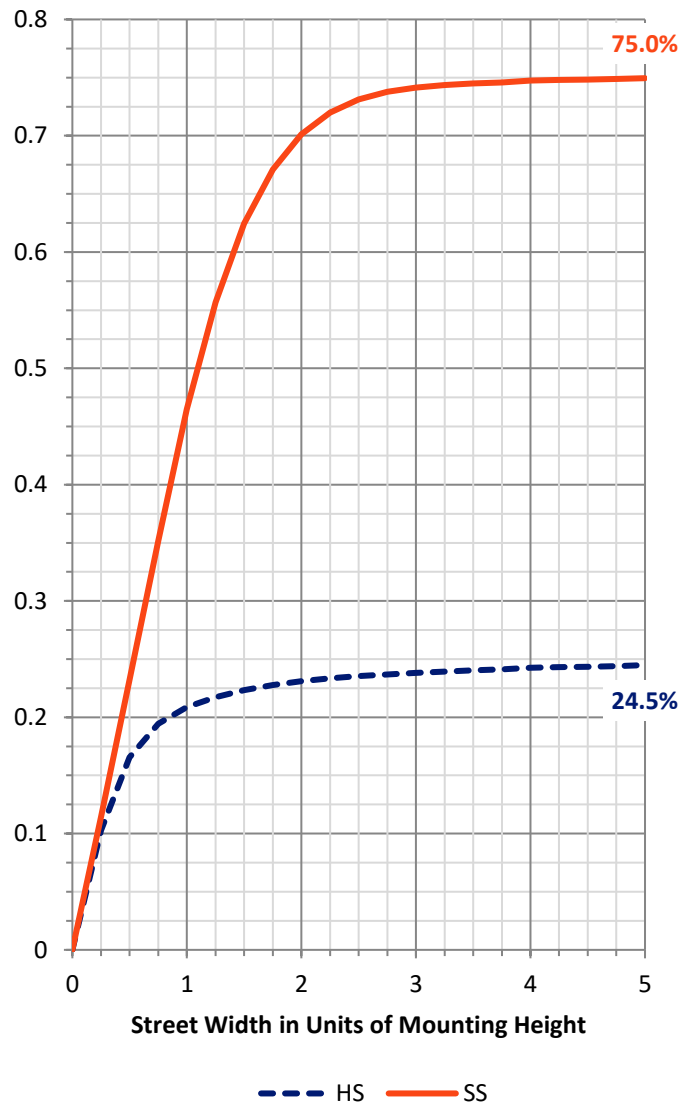
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1353.9	0.0	1353.9
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	4091.1	0.0	4091.1
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	5445.0	0.0	5445.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.9	1.1
10°-20°	197.8	3.6
20°-30°	381.3	7.0
30°-40°	668.5	12.3
40°-50°	993.9	18.3
50°-60°	1259.9	23.1
60°-70°	1232.8	22.6
70°-80°	588.0	10.8
80°-90°	62.8	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°	5445.0	100.0
0°-180°	5445.0	100.0

**Coefficient of Utilization**



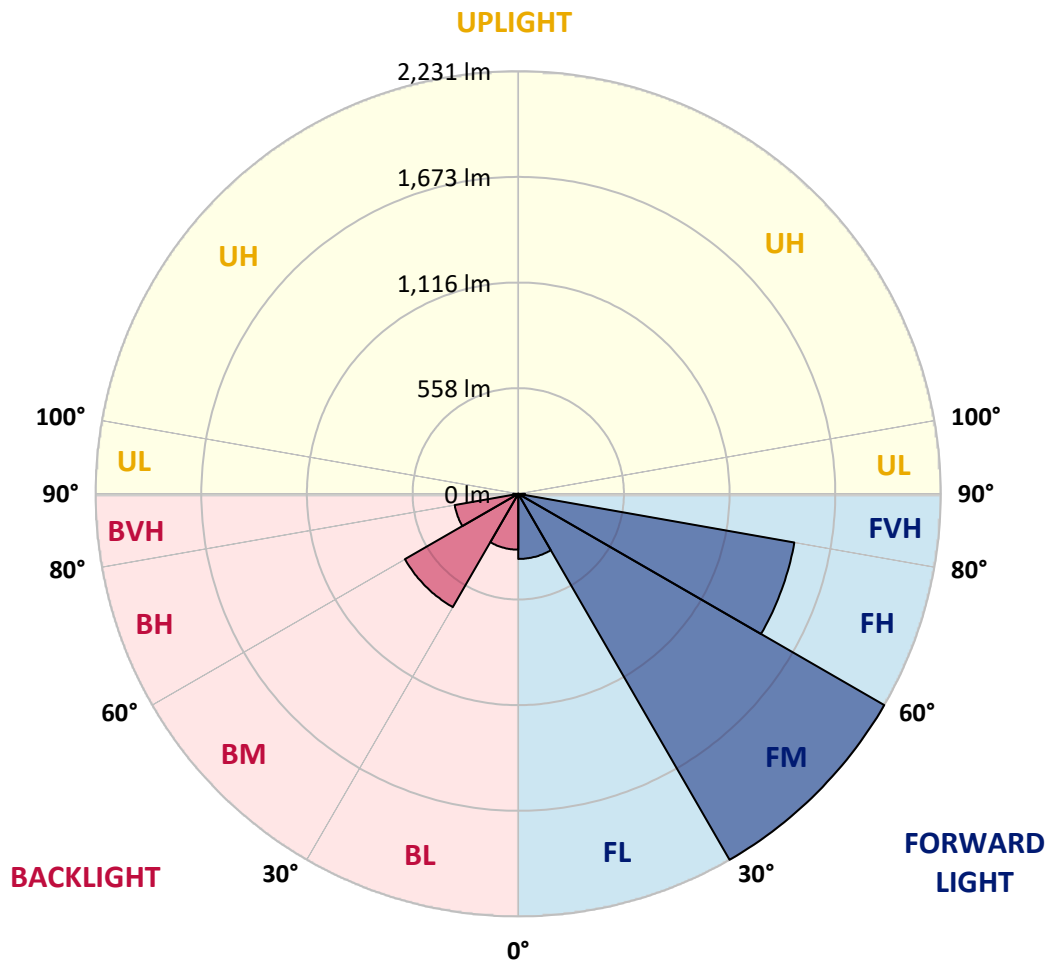
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.1	6.3			
FM (30°-60°)	2231.3	41.0			
FH (60°-80°)	1480.1	27.2			G1/1800
FVH (80°-90°)	35.6	0.7			G1/100
BL (0°-30°)	294.9	5.4	B1/500		
BM (30°-60°)	691.0	12.7	B1/1000		
BH (60°-80°)	340.7	6.3	B1/500		G1/500
BVH (80°-90°)	27.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9
2.5°	597.6	601.1	600.2	598.8	598.5	599.1	599.9	600.8	600.5	601.9
5°	595.9	599.3	599.1	599.1	600.2	602.5	603.9	605.4	603.9	605.6
7.5°	597.1	599.6	600.8	601.9	604.8	609.1	612.5	615.7	613.9	615.9
10°	611.6	613.6	614.8	614.8	616.8	621.7	625.1	630.8	629.4	632.5
12.5°	638.3	640.3	640.3	639.1	640.5	643.7	644.8	651.1	648.6	653.7
15°	670.9	674.9	671.7	669.7	670.3	673.4	673.2	678.0	675.4	679.7
17.5°	706.9	712.1	706.9	706.6	705.5	708.9	709.2	713.5	708.9	712.1
20°	749.5	756.7	752.4	753.8	751.3	752.7	754.1	760.4	753.3	755.5
22.5°	809.6	818.2	813.6	819.1	817.3	816.2	815.9	827.1	815.9	816.8
25°	897.2	907.5	899.4	906.9	906.9	910.6	914.9	929.2	910.6	905.2
27.5°	1026.5	1036.8	1021.0	1025.6	1024.2	1033.3	1028.8	1064.2	1044.2	1035.3
30°	1182.1	1200.4	1170.7	1169.5	1168.1	1182.7	1189.2	1212.7	1192.4	1183.5
32.5°	1350.3	1369.5	1334.0	1323.7	1318.3	1327.1	1321.7	1340.6	1326.6	1312.8
35°	1528.3	1547.1	1513.4	1493.4	1471.6	1453.0	1433.6	1438.4	1425.3	1404.4
37.5°	1696.5	1731.1	1695.3	1673.9	1633.8	1597.5	1543.1	1520.5	1508.2	1489.1
40°	1867.8	1887.6	1860.4	1842.1	1798.6	1741.7	1654.7	1606.9	1590.3	1571.7
42.5°	1994.0	2012.9	1998.3	1985.7	1951.7	1885.6	1773.1	1713.4	1689.3	1668.4
45°	2094.1	2108.1	2099.0	2103.6	2089.0	2024.9	1895.9	1827.5	1802.6	1777.2
47.5°	2134.5	2149.3	2163.9	2191.1	2216.0	2168.8	2027.8	1951.1	1924.8	1898.7
50°	2129.9	2145.1	2187.4	2245.2	2322.4	2306.7	2166.8	2082.7	2058.4	2028.6
52.5°	2093.3	2110.4	2164.8	2260.9	2383.9	2410.0	2308.4	2218.6	2195.7	2160.2
55°	1997.1	2007.4	2089.0	2225.2	2398.5	2482.1	2447.2	2363.3	2340.4	2291.0
57.5°	1818.9	1833.8	1952.5	2128.7	2361.9	2531.0	2569.0	2515.5	2493.5	2422.3
60°	1586.3	1610.1	1746.0	1966.8	2268.6	2530.7	2679.7	2665.2	2646.8	2551.6
62.5°	1323.1	1350.6	1481.3	1738.0	2105.6	2458.9	2749.0	2790.5	2781.0	2670.9
65°	1016.2	1035.1	1165.2	1441.9	1851.8	2304.7	2757.0	2876.0	2877.7	2761.6
67.5°	676.6	730.9	843.9	1082.0	1512.0	2052.6	2686.6	2890.0	2906.6	2792.7
70°	330.1	401.7	512.4	703.2	1082.0	1666.2	2502.7	2775.0	2811.9	2701.8
72.5°	137.0	160.2	220.6	347.0	621.1	1124.3	2133.0	2463.2	2531.6	2393.9
75°	92.4	100.1	126.2	177.9	282.9	554.4	1538.3	1836.7	1946.8	1808.0
77.5°	71.2	76.1	91.8	124.4	168.2	209.7	823.3	1106.9	1163.8	1077.4
80°	56.1	59.8	68.7	90.7	119.3	112.1	280.6	501.5	534.4	448.3
82.5°	48.6	50.1	49.2	61.5	79.2	65.5	92.1	185.1	204.3	148.2
85°	35.2	39.2	40.9	38.0	42.1	33.2	37.8	65.5	72.1	64.4
87.5°	14.3	21.2	26.0	24.6	15.4	9.4	11.7	19.2	22.0	24.0
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°
603.9	0°	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9
604.2	2.5°	604.5	606.5	607.9	609.6	610.8	612.5	615.9	617.9	618.2	619.7
608.8	5°	609.9	612.8	615.9	620.5	625.7	630.0	636.5	641.1	642.8	644.3
619.9	7.5°	621.7	625.7	631.4	639.4	646.8	652.6	660.6	666.0	671.4	673.4
637.7	10°	639.1	644.8	653.1	664.0	672.0	679.4	687.7	692.3	697.8	700.0
658.9	12.5°	660.9	666.9	677.7	692.9	700.3	705.5	708.3	707.2	708.3	710.3
684.3	15°	685.7	692.3	704.6	720.9	726.1	721.5	715.2	709.5	708.6	709.2
715.2	17.5°	715.2	720.1	734.4	748.1	744.4	725.5	711.8	702.6	698.0	696.6
754.7	20°	756.4	756.4	768.1	776.7	751.8	719.8	698.3	683.5	674.0	670.0
808.5	22.5°	806.5	801.9	809.3	803.3	750.4	703.8	674.0	648.3	634.0	628.2
883.7	25°	870.0	864.5	862.5	825.4	740.1	678.3	630.0	598.8	586.2	583.0
992.1	27.5°	965.8	952.1	926.1	837.4	721.2	638.3	578.5	549.6	542.4	542.7
1131.5	30°	1093.4	1065.9	1002.2	839.4	690.3	581.6	525.8	505.2	501.8	503.2
1248.5	32.5°	1211.6	1185.5	1080.0	830.2	642.8	526.1	478.6	464.9	459.7	461.5
1337.7	35°	1304.3	1297.1	1152.1	817.3	584.5	474.0	436.3	424.5	414.5	412.2
1421.8	37.5°	1391.8	1388.9	1206.1	799.3	526.7	437.1	402.2	386.8	372.2	364.2
1514.8	40°	1487.9	1485.1	1241.6	771.6	475.5	405.1	371.6	351.3	333.3	318.7
1620.1	42.5°	1596.1	1579.2	1258.5	731.8	432.0	377.9	346.7	319.3	295.5	282.1
1739.1	45°	1714.2	1676.2	1258.2	681.2	395.4	353.0	320.1	281.2	259.2	246.6
1861.3	47.5°	1839.5	1768.9	1242.7	625.1	359.9	325.6	278.9	249.2	234.6	226.9
1994.0	50°	1968.8	1855.5	1216.4	560.7	323.6	294.4	253.2	232.9	221.7	214.6
2125.6	52.5°	2090.4	1934.2	1184.7	487.8	286.7	264.1	241.7	226.0	214.3	206.3
2253.2	55°	2203.4	2002.0	1139.8	413.1	256.6	243.7	236.3	223.1	209.7	200.3
2382.8	57.5°	2303.8	2046.1	1062.2	343.0	235.2	229.7	230.6	218.3	202.8	194.8
2510.4	60°	2387.4	2078.4	947.5	278.1	217.7	216.0	221.7	209.1	191.1	181.9
2618.2	62.5°	2437.4	2077.8	806.8	227.7	202.8	203.4	210.0	197.7	179.4	170.8
2674.6	65°	2433.1	2026.9	652.3	194.8	188.5	189.1	197.7	185.1	169.6	164.5
2646.3	67.5°	2347.0	1902.7	500.4	173.4	172.8	175.4	185.4	176.5	163.6	163.1
2477.5	70°	2113.9	1645.0	360.5	156.2	156.5	160.2	173.4	171.1	160.5	161.6
2083.0	72.5°	1695.0	1254.2	242.0	138.2	138.5	144.5	161.9	166.8	157.3	172.5
1477.9	75°	1128.9	782.2	155.6	119.0	119.3	127.0	151.9	158.5	148.8	171.9
769.0	77.5°	542.4	351.6	112.7	100.1	100.1	107.3	131.3	141.9	126.7	133.6
247.2	80°	187.4	132.2	88.7	80.7	79.0	83.8	110.7	123.0	109.3	100.7
80.7	82.5°	73.8	68.7	71.2	62.7	56.9	60.1	86.1	101.6	80.4	72.7
45.5	85°	42.3	44.6	50.4	41.5	32.9	36.9	63.2	73.0	60.6	53.5
14.9	87.5°	11.4	15.7	23.2	21.5	14.9	15.7	30.0	40.3	34.9	26.9
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°
603.9
619.4
644.0
673.7
701.2
710.9
711.2
698.6
669.1
627.4
583.6
543.6
508.1
463.7
414.0
364.5
320.1
282.9
246.0
225.1
212.0
202.8
196.5
189.7
177.9
168.2
164.2
163.9
161.4
174.8
173.4
122.4
94.4
72.4
54.6
27.8
0.0

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