

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: P848415

Luminaire Tested: **GLAN-SB5A-722-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12939 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

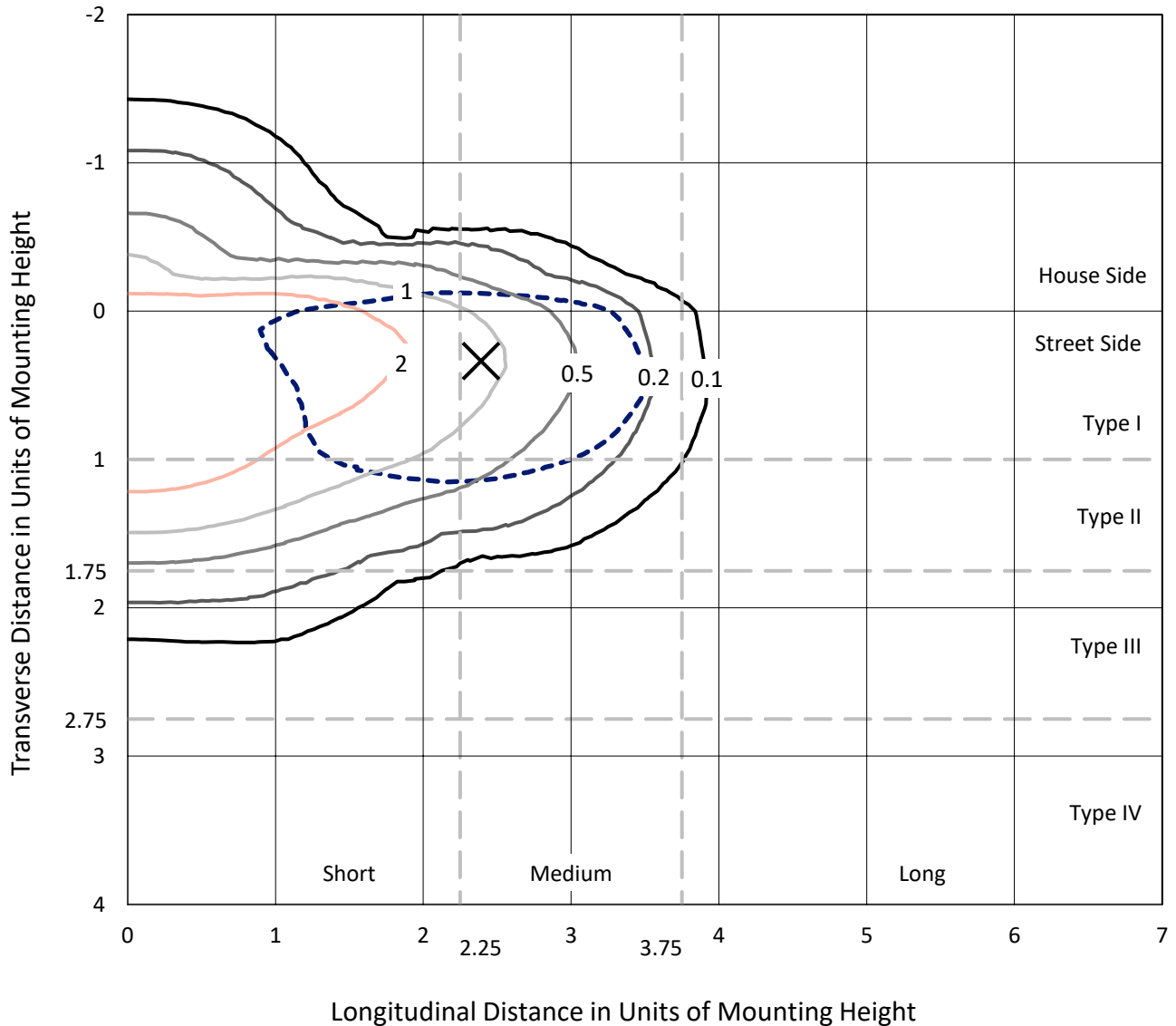
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

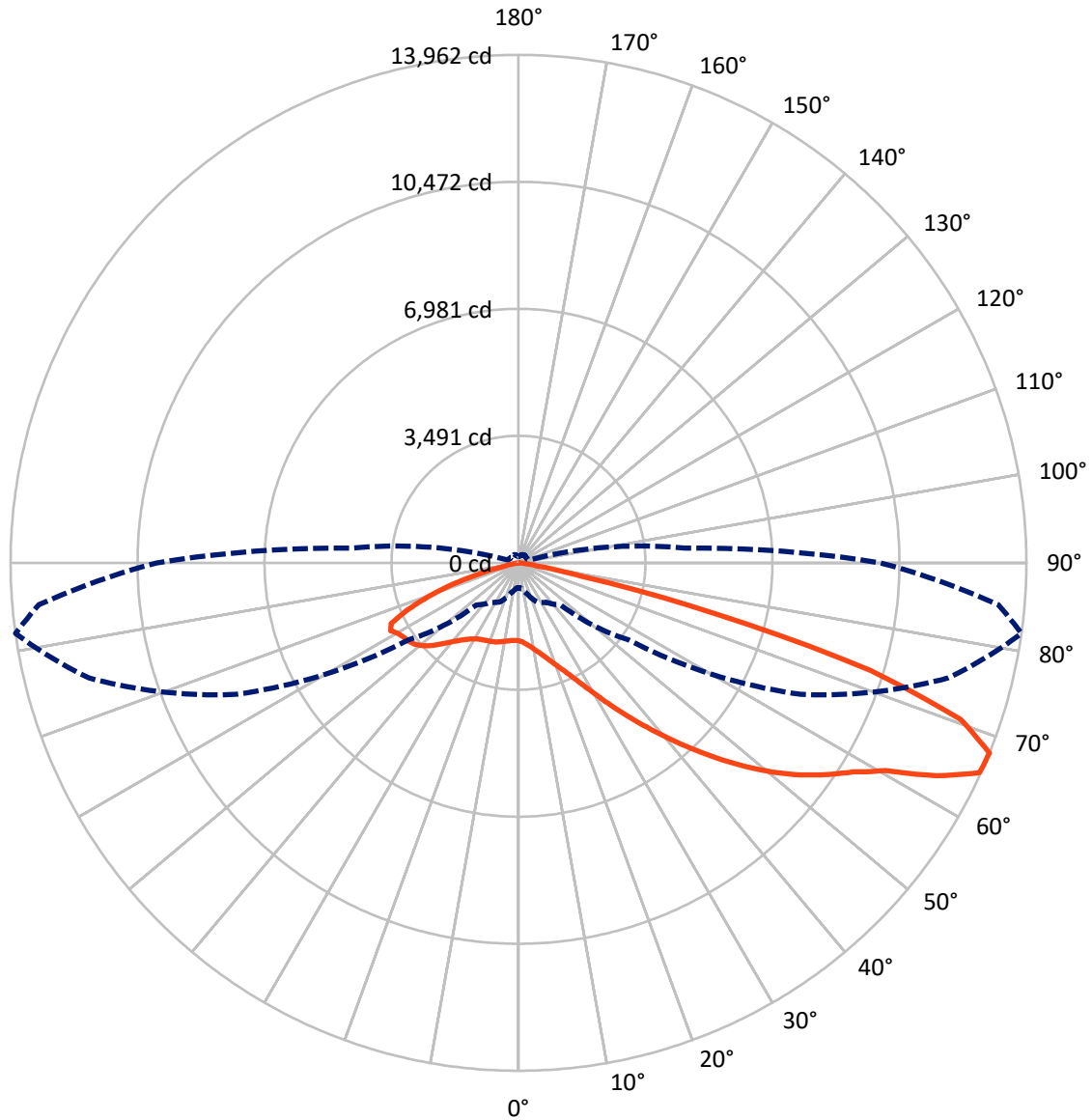
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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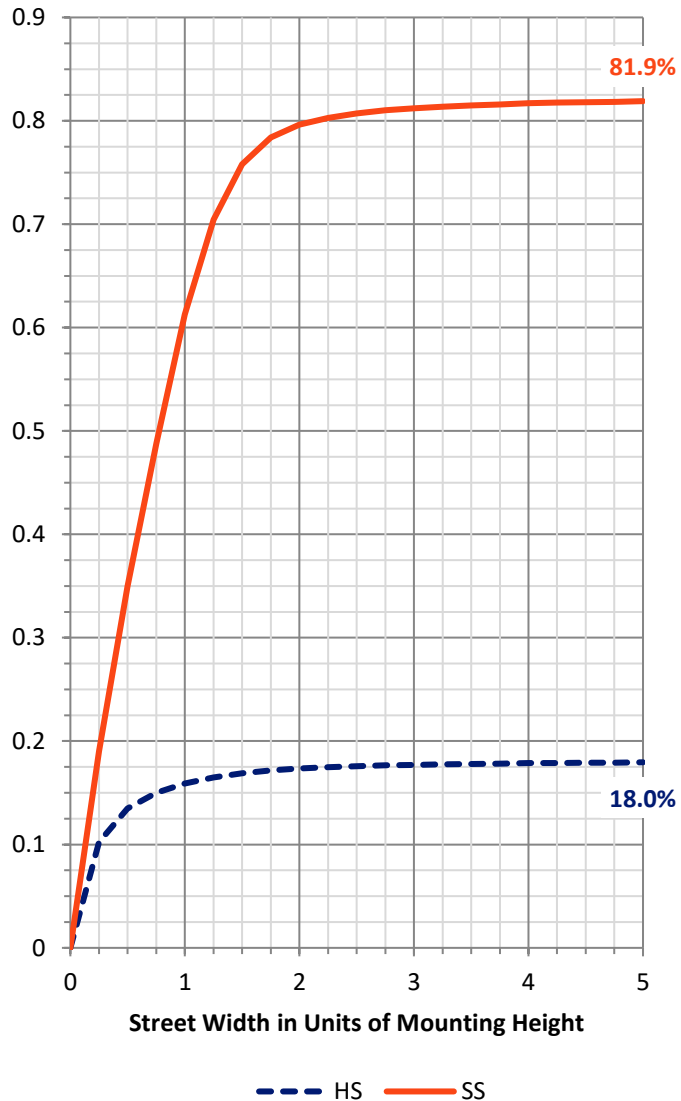
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2343.8	0.0	2343.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	10595.2	0.0	10595.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	12939.0	0.0	12939.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.0	1.5
10°-20°	496.3	3.8
20°-30°	794.9	6.1
30°-40°	1405.6	10.9
40°-50°	2462.7	19.0
50°-60°	3284.5	25.4
60°-70°	3057.7	23.6
70°-80°	1173.6	9.1
80°-90°	72.9	0.6
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°	12939.0	100.0
0°-180°	12939.0	100.0

**Coefficient of Utilization**

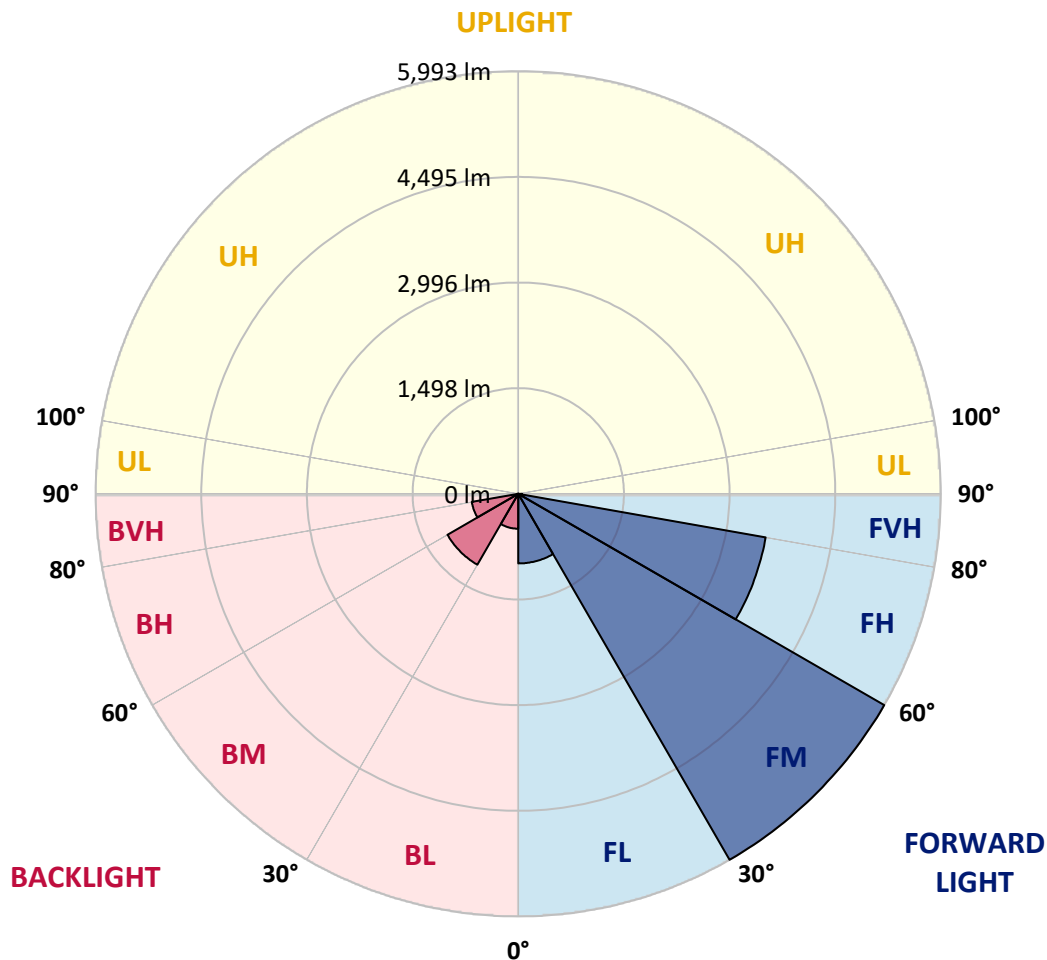


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	987.1	7.6			
FM (30°-60°)	5992.8	46.3			
FH (60°-80°)	3562.3	27.5			G2/5000
FVH (80°-90°)	53.0	0.4			G1/100
BL (0°-30°)	495.0	3.8	B1/500		
BM (30°-60°)	1159.9	9.0	B2/2500		
BH (60°-80°)	669.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	19.9	0.2			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6
2.5°	2265.6	2278.6	2271.2	2267.5	2260.9	2251.6	2244.2	2220.9	2196.7	2180.8
5°	2311.2	2324.3	2323.3	2327.1	2331.7	2334.5	2332.7	2306.6	2272.1	2245.1
7.5°	2272.1	2287.0	2299.1	2317.8	2350.4	2384.8	2401.6	2396.0	2360.6	2323.3
10°	2161.3	2177.1	2206.0	2249.8	2318.7	2393.2	2455.6	2484.5	2462.2	2421.2
12.5°	1958.2	1974.0	2030.8	2125.9	2241.4	2370.9	2490.1	2567.4	2573.0	2532.0
15°	1729.9	1745.8	1806.3	1925.6	2101.6	2309.4	2508.7	2655.0	2704.4	2669.0
17.5°	1588.3	1602.3	1648.0	1743.9	1927.4	2186.4	2502.2	2748.1	2860.9	2832.9
20°	1545.5	1557.6	1579.0	1646.1	1798.9	2058.8	2459.4	2835.7	3029.5	3013.6
22.5°	1591.1	1602.3	1608.8	1638.6	1734.6	1974.9	2405.3	2925.1	3225.1	3227.0
25°	1696.4	1707.6	1700.1	1718.8	1760.7	1948.9	2384.8	3030.4	3471.0	3491.5
27.5°	1869.7	1870.6	1852.9	1852.0	1858.5	1988.0	2406.3	3143.1	3781.3	3819.5
30°	2217.1	2203.2	2135.2	2061.6	2028.0	2105.4	2465.9	3276.3	4147.4	4215.4
32.5°	2752.8	2732.3	2607.5	2431.4	2254.4	2294.5	2573.0	3428.2	4546.1	4669.1
35°	3334.1	3328.5	3198.1	2936.3	2627.0	2563.7	2747.2	3627.6	4981.1	5176.8
37.5°	3874.4	3871.6	3797.1	3488.7	3112.4	2939.1	3026.7	3888.4	5446.9	5730.1
40°	4368.2	4376.5	4302.0	4026.3	3647.1	3420.7	3406.8	4210.7	5964.9	6332.8
42.5°	4794.8	4804.1	4728.7	4524.7	4175.3	3953.6	3873.5	4605.7	6470.7	6980.3
45°	5084.5	5142.3	5131.1	4968.1	4717.5	4487.4	4434.3	5101.3	7047.4	7666.9
47.5°	5166.5	5219.6	5303.5	5325.8	5173.0	4946.7	5010.0	5698.4	7630.5	8354.4
50°	4964.4	5013.7	5187.9	5419.9	5526.1	5456.2	5569.9	6338.4	8227.7	9040.0
52.5°	4565.6	4616.0	4835.8	5202.8	5636.0	5855.9	6131.6	6969.1	8806.2	9689.3
55°	3989.0	4042.1	4324.4	4739.9	5426.4	6020.8	6600.2	7598.9	9336.2	10273.4
57.5°	3204.6	3243.7	3537.2	4118.5	4899.2	5856.8	6945.8	8286.4	9835.6	10847.3
60°	2088.6	2123.1	2464.0	3112.4	4025.3	5309.0	7014.8	9053.0	10498.9	11593.5
62.5°	1389.0	1412.3	1614.4	2090.5	2834.8	4257.3	6611.4	9665.1	11471.4	12892.1
65°	953.0	976.3	1178.4	1510.1	1831.5	2816.2	5451.6	9584.0	12352.7	13923.3
67.5°	680.0	699.6	871.0	1184.0	1325.6	1635.8	3695.6	8548.1	12226.0	13962.4
70°	487.2	498.4	640.0	922.3	1053.6	982.8	2055.1	6537.8	10704.7	12893.0
72.5°	341.0	344.7	444.4	702.4	848.7	717.3	978.2	4358.8	8096.3	10119.7
75°	231.0	235.7	299.0	515.2	681.0	547.8	518.0	2337.3	4752.9	5601.6
77.5°	141.6	143.5	192.8	352.1	509.6	417.3	333.5	990.3	1838.9	1805.4
80°	80.1	80.1	123.0	218.9	347.5	269.2	233.8	421.1	582.2	511.4
82.5°	44.7	45.6	89.4	136.0	230.1	159.3	128.6	194.7	251.5	222.6
85°	18.6	20.5	55.0	64.3	109.9	79.2	52.2	82.0	93.2	82.9
87.5°	1.9	2.8	16.8	12.1	13.0	15.8	7.5	15.8	13.0	13.0
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°
2143.6	0°	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6	2143.6
2175.2	2.5°	2157.5	2143.6	2108.2	2067.2	2013.1	1987.0	1951.6	1927.4	1906.9	1908.8
2229.3	5°	2199.4	2164.0	2084.9	1986.1	1863.2	1775.6	1682.4	1618.1	1566.0	1554.8
2303.8	7.5°	2257.2	2201.3	2062.5	1884.6	1676.8	1519.4	1378.7	1288.4	1224.1	1203.6
2394.1	10°	2331.7	2250.7	2033.6	1757.0	1457.9	1257.6	1106.7	1035.9	992.1	977.2
2500.3	12.5°	2418.4	2307.5	1995.4	1601.4	1232.5	1039.6	943.7	908.3	894.3	889.7
2630.8	15°	2527.4	2378.3	1937.7	1416.9	1041.5	906.4	865.4	860.8	862.6	860.8
2787.3	17.5°	2656.9	2455.6	1843.6	1226.9	912.9	838.4	823.5	827.2	831.9	831.0
2962.4	20°	2798.5	2532.0	1723.4	1058.3	825.4	790.0	781.6	785.3	789.0	787.2
3164.6	22.5°	2959.6	2614.0	1590.2	926.9	766.7	745.3	735.9	736.9	736.9	733.1
3420.7	25°	3152.5	2704.4	1450.5	833.8	722.0	705.2	694.0	690.3	684.7	673.5
3731.9	27.5°	3382.5	2800.3	1316.3	768.5	686.6	670.7	657.7	648.4	634.4	615.8
4105.5	30°	3641.5	2916.8	1202.7	727.6	658.6	642.8	627.9	613.9	593.4	570.1
4534.9	32.5°	3946.2	3041.6	1119.8	700.5	633.5	616.7	599.0	582.2	559.9	536.6
5017.5	35°	4309.5	3192.5	1071.3	681.9	613.9	591.6	572.0	553.4	536.6	516.1
5541.9	37.5°	4703.5	3352.7	1056.4	672.6	600.9	566.4	544.0	531.0	529.1	517.0
6109.3	40°	5134.8	3542.8	1067.6	667.0	586.9	542.2	518.0	515.2	519.8	498.4
6715.7	42.5°	5591.3	3768.2	1086.2	660.5	567.3	518.0	494.7	494.7	490.9	461.1
7356.6	45°	6085.0	4028.1	1104.8	644.7	544.0	493.7	476.0	469.5	453.7	424.8
8001.3	47.5°	6582.5	4292.7	1118.8	615.8	516.1	473.2	457.4	442.5	419.2	393.1
8633.8	50°	7054.8	4530.2	1103.9	572.9	484.4	453.7	436.9	416.4	391.3	373.6
9232.8	52.5°	7476.8	4736.1	1040.6	522.6	450.9	433.2	418.3	396.9	376.4	357.7
9773.2	55°	7843.9	4902.9	928.8	475.1	421.1	415.5	400.6	373.6	345.6	329.8
10308.8	57.5°	8196.0	5029.6	789.0	436.0	394.1	395.9	373.6	349.3	323.3	306.5
11030.8	60°	8664.6	5199.1	647.4	399.6	365.2	370.8	346.5	328.8	296.2	274.8
12268.8	62.5°	9413.6	5462.8	514.2	354.9	331.6	333.5	323.3	301.8	262.7	237.6
13186.4	65°	10007.9	5365.9	405.2	306.5	293.4	296.2	296.2	273.0	231.0	202.2
13235.8	67.5°	9940.8	4594.5	323.3	259.0	257.1	259.0	265.5	245.9	204.9	181.7
12227.9	70°	9157.4	3654.6	259.0	215.2	223.6	218.9	237.6	224.5	184.5	161.2
9479.7	72.5°	7472.2	2632.6	197.5	177.9	171.4	178.9	214.3	202.2	153.7	127.6
5021.2	75°	4366.3	1404.8	147.2	140.7	123.9	149.1	190.0	172.3	117.4	94.1
1539.0	77.5°	1421.6	490.0	108.1	103.4	92.2	120.2	162.1	145.3	96.0	74.5
450.9	80°	381.0	148.1	73.6	68.0	59.6	89.4	128.6	115.5	68.9	48.4
193.8	82.5°	152.8	62.4	42.9	38.2	32.6	61.5	101.5	93.2	51.2	30.7
60.6	85°	49.4	20.5	15.8	12.1	14.9	38.2	60.6	63.3	36.3	15.8
9.3	87.5°	6.5	2.8	2.8	3.7	2.8	6.5	18.6	17.7	10.2	1.9
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°
2143.6
1890.2
1529.6
1183.1
966.0
886.9
859.8
829.1
786.2
731.3
671.7
613.9
568.3
537.5
514.2
516.1
499.3
461.1
423.9
392.2
370.8
355.9
327.9
304.6
272.0
235.7
199.4
177.9
158.4
124.8
91.3
71.7
47.5
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