

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: P852361

Luminaire Tested: **GLAN-SB3B-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16387 lumens  
Efficiency: N/A  
Efficacy: 150.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

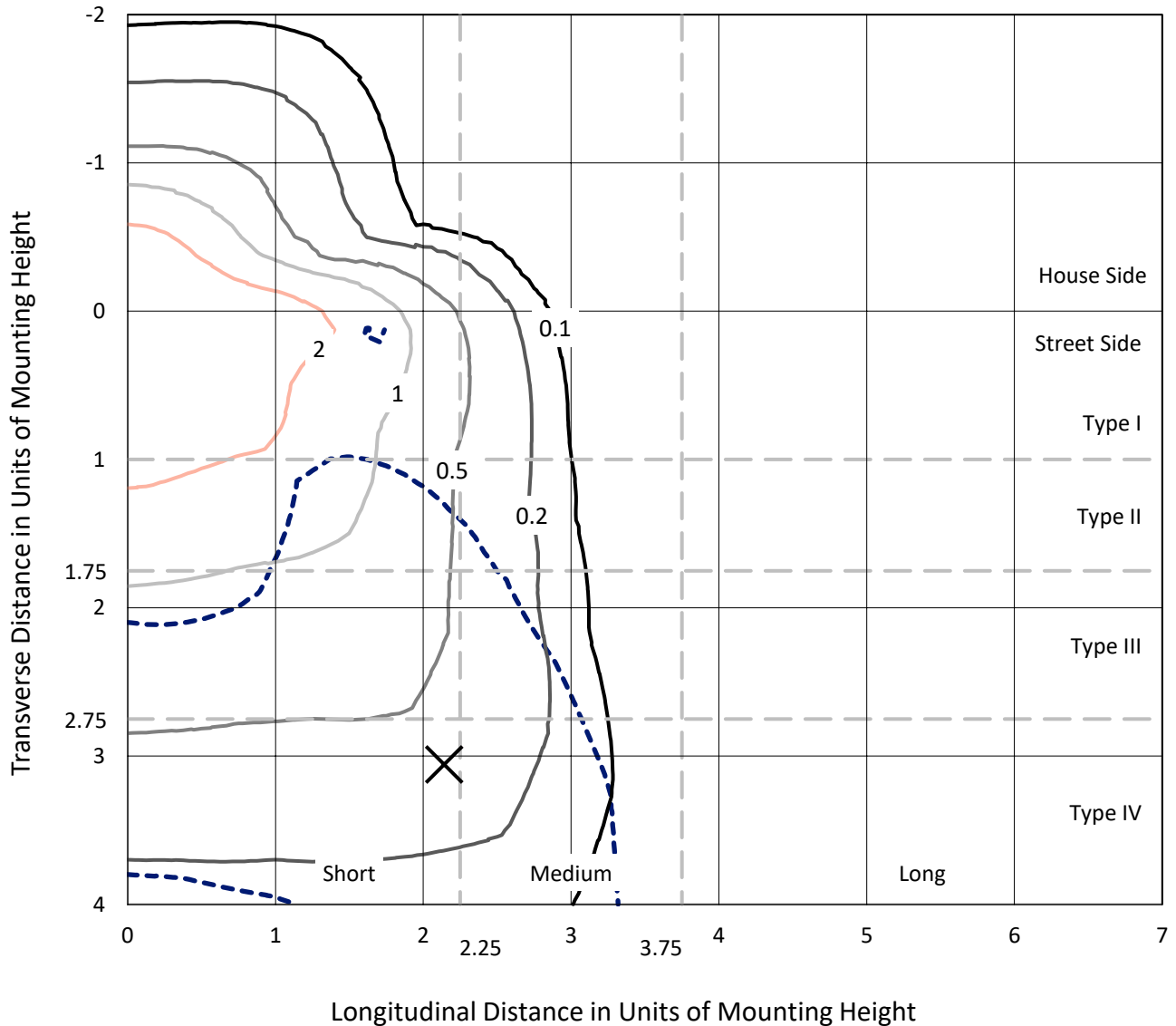
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

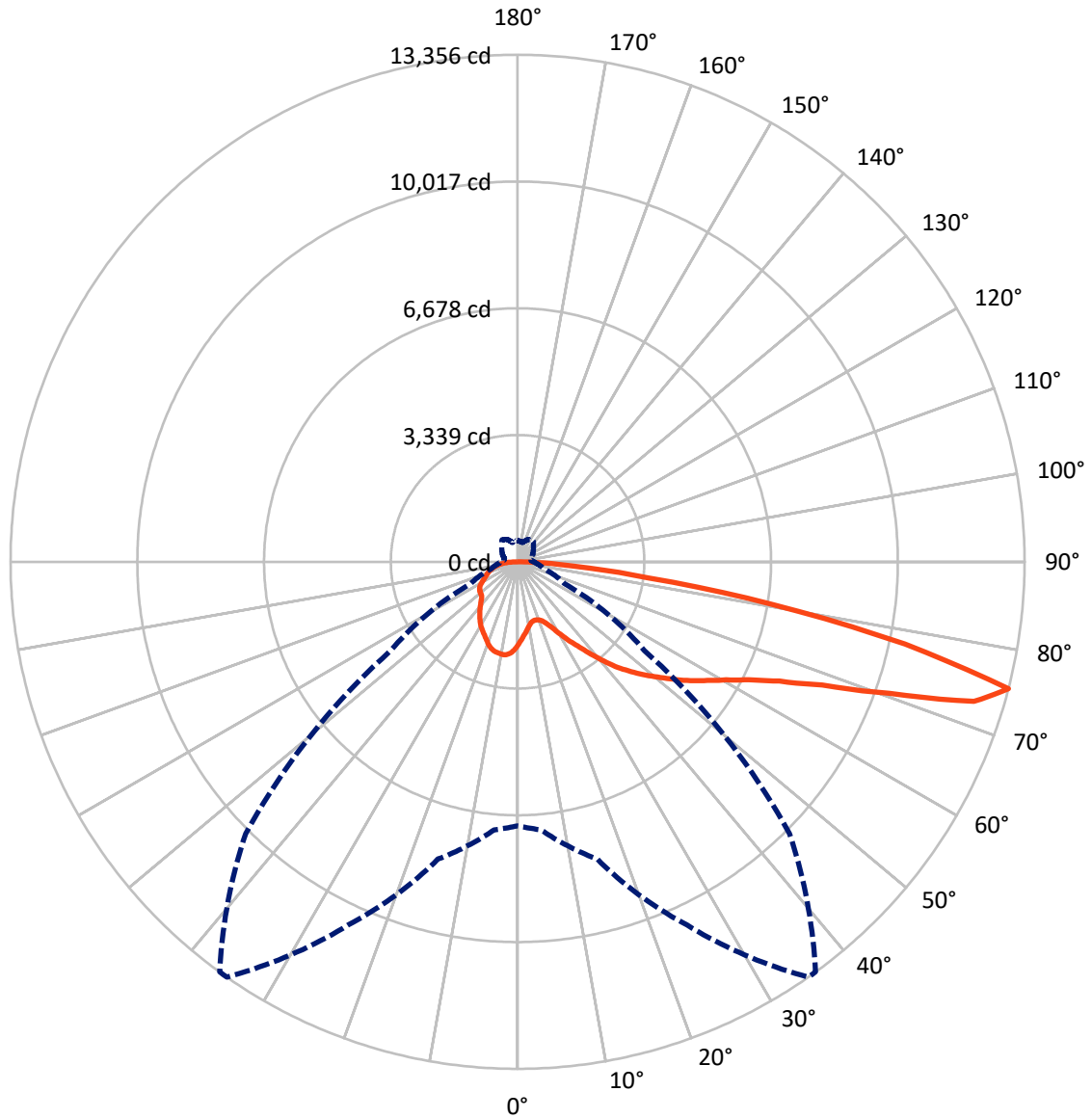
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3899.7	0.0	3899.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	12487.3	0.0	12487.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	16387.0	0.0	16387.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.8	1.3
10°-20°	596.4	3.6
20°-30°	1001.4	6.1
30°-40°	1556.4	9.5
40°-50°	2310.1	14.1
50°-60°	3189.2	19.5
60°-70°	3869.2	23.6
70°-80°	3197.6	19.5
80°-90°	459.9	2.8
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°	16387.0	100.0
0°-180°	16387.0	100.0

**Coefficient of Utilization**



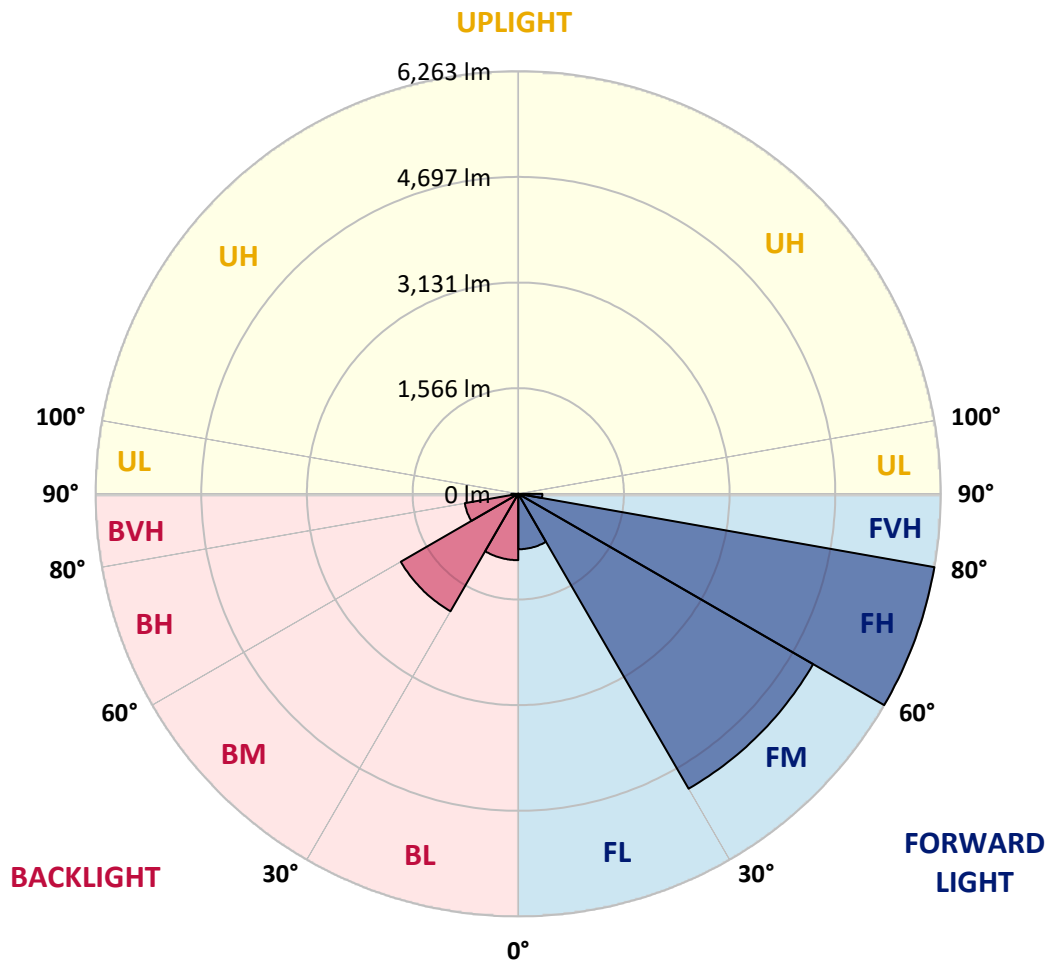
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	821.8	5.0			
FM (30°-60°)	5046.3	30.8			
FH (60°-80°)	6262.9	38.2			G3/7500
FVH (80°-90°)	356.4	2.2			G3/500
BL (0°-30°)	982.8	6.0	B2/1000		
BM (30°-60°)	2009.4	12.3	B2/2500		
BH (60°-80°)	804.0	4.9	B2/1000		G2/1000
BVH (80°-90°)	103.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7
2.5°	2013.6	2026.0	2031.3	2028.7	2041.9	2040.2	2058.8	2081.8	2113.7	2144.7
5°	1858.6	1871.9	1883.4	1894.0	1919.7	1927.7	1956.9	2001.2	2059.7	2119.0
7.5°	1714.2	1725.7	1743.4	1762.9	1806.3	1814.3	1863.0	1932.1	2013.6	2100.4
10°	1596.3	1607.9	1626.5	1648.6	1702.6	1712.4	1774.4	1866.5	1972.8	2082.7
12.5°	1545.8	1549.4	1560.0	1582.2	1629.1	1635.3	1703.5	1809.0	1933.0	2069.4
15°	1543.2	1550.3	1551.2	1562.7	1601.7	1604.3	1667.2	1771.7	1908.2	2066.7
17.5°	1569.8	1575.1	1567.1	1574.2	1607.0	1611.4	1661.0	1754.0	1900.2	2078.3
20°	1640.6	1645.1	1621.1	1611.4	1635.3	1638.9	1687.6	1765.5	1908.2	2102.2
22.5°	1791.2	1793.9	1735.4	1695.6	1697.3	1699.1	1741.6	1812.5	1939.2	2145.6
25°	2026.0	2024.2	1931.2	1854.1	1809.8	1800.1	1828.4	1888.7	1991.4	2203.2
27.5°	2300.6	2287.3	2194.3	2079.1	1982.6	1968.4	1962.2	1987.9	2065.9	2279.4
30°	2610.7	2598.3	2498.2	2347.6	2213.8	2190.8	2132.3	2119.0	2176.6	2383.0
32.5°	2950.8	2942.9	2823.3	2640.8	2461.8	2435.3	2336.9	2301.5	2346.7	2539.8
35°	3236.1	3229.0	3129.8	2942.0	2723.2	2690.4	2590.3	2550.4	2573.5	2740.9
37.5°	3493.9	3490.3	3405.3	3257.4	3031.5	2991.6	2879.1	2865.8	2861.4	3005.8
40°	3733.1	3724.2	3635.6	3557.7	3390.2	3353.9	3254.7	3243.2	3209.5	3331.8
42.5°	3997.9	3974.9	3846.5	3810.1	3765.0	3734.8	3675.5	3677.3	3602.8	3699.4
45°	4214.1	4200.8	4068.8	4047.6	4096.3	4083.9	4135.3	4148.5	4004.1	4084.8
47.5°	4446.2	4433.8	4322.2	4307.1	4439.1	4442.7	4624.3	4628.7	4395.7	4485.2
50°	4732.3	4714.6	4603.9	4622.5	4770.4	4783.7	5115.9	5085.8	4756.3	4891.8
52.5°	4921.0	4931.7	4907.7	4937.9	5139.8	5152.2	5599.6	5522.5	5113.3	5293.1
55°	5060.1	5081.4	5155.8	5224.9	5529.6	5542.0	6055.8	5938.0	5409.1	5665.2
57.5°	5239.1	5208.9	5348.0	5482.7	5899.9	5932.7	6499.7	6338.4	5671.4	5985.8
60°	5496.0	5474.7	5582.8	5782.1	6314.5	6366.8	6969.2	6699.0	5863.6	6240.1
62.5°	6016.9	5963.7	5980.5	6156.8	6837.2	6906.3	7498.9	7013.5	5959.3	6339.3
65°	6795.5	6704.3	6619.2	6741.5	7573.3	7641.5	8096.9	7260.6	5923.8	6147.1
67.5°	7776.2	7685.8	7581.3	7696.5	8657.6	8711.7	8834.8	7399.7	5644.8	5406.5
70°	8585.0	8551.3	8676.2	9150.2	10389.5	10391.3	9780.9	7284.5	4880.3	3833.2
72.5°	8477.8	8457.4	9115.6	10580.9	12572.3	12525.4	10676.5	6412.8	3287.5	1729.2
75°	6955.0	7087.0	8106.6	10555.2	13356.3	13350.1	10128.2	4076.8	1359.8	716.7
77.5°	3729.5	3938.6	5263.0	7793.0	10426.7	10583.5	7120.7	1426.3	583.8	458.9
80°	1216.3	1398.8	2097.7	3967.8	6775.2	6745.9	3051.8	559.9	399.5	325.1
82.5°	516.5	537.7	937.3	1873.6	3477.1	3423.0	971.8	321.6	280.8	222.4
85°	202.0	225.9	413.7	866.4	1506.0	1473.2	350.8	159.5	179.8	145.3
87.5°	66.4	80.6	147.9	296.8	468.6	451.8	85.9	54.9	78.0	66.4
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°
2183.7	0°	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7	2183.7
2189.9	2.5°	2202.3	2216.5	2233.3	2258.1	2279.4	2297.1	2315.7	2327.2	2331.6	2344.9
2193.4	5°	2218.2	2249.2	2290.9	2331.6	2371.5	2395.4	2416.7	2427.3	2437.0	2444.1
2203.2	7.5°	2244.8	2284.7	2350.2	2403.4	2437.0	2456.5	2470.7	2467.2	2470.7	2472.5
2213.8	10°	2267.8	2323.6	2401.6	2452.1	2477.8	2478.7	2475.1	2462.7	2456.5	2457.4
2229.7	12.5°	2295.3	2357.3	2441.5	2484.0	2491.1	2471.6	2456.5	2435.3	2427.3	2423.8
2253.7	15°	2332.5	2403.4	2484.9	2500.8	2483.1	2458.3	2432.6	2398.1	2380.3	2366.2
2294.4	17.5°	2377.7	2455.6	2518.5	2507.0	2468.9	2428.2	2386.5	2334.3	2298.0	2282.9
2350.2	20°	2440.6	2510.6	2544.2	2493.7	2436.2	2374.1	2303.3	2239.5	2205.8	2190.8
2421.1	22.5°	2516.8	2584.1	2569.0	2470.7	2389.2	2290.0	2201.4	2154.4	2137.6	2127.0
2512.3	25°	2608.0	2665.6	2586.8	2437.0	2312.1	2178.4	2110.2	2095.1	2087.1	2079.1
2624.0	27.5°	2726.7	2757.7	2600.0	2387.4	2191.7	2059.7	2034.9	2037.5	2034.9	2021.6
2779.0	30°	2883.5	2877.3	2612.4	2306.8	2053.5	1952.5	1954.2	1965.8	1967.5	1958.7
2995.1	32.5°	3089.9	3027.0	2618.6	2202.3	1921.5	1858.6	1860.3	1872.7	1881.6	1866.5
3277.7	35°	3339.7	3201.5	2608.9	2071.2	1819.6	1769.1	1755.8	1759.3	1762.0	1747.8
3620.6	37.5°	3631.2	3397.3	2565.5	1925.9	1735.4	1681.4	1653.0	1629.1	1614.9	1601.7
4008.6	40°	3951.0	3610.8	2485.8	1784.1	1641.5	1588.4	1545.8	1500.7	1452.8	1435.1
4419.6	42.5°	4285.9	3830.5	2389.2	1648.6	1533.4	1490.0	1444.9	1379.3	1307.5	1271.2
4846.6	45°	4633.1	4055.5	2294.4	1514.8	1422.7	1404.1	1351.8	1273.0	1195.0	1149.0
5274.5	47.5°	4973.3	4268.1	2155.3	1380.2	1319.1	1339.4	1298.7	1226.0	1139.2	1066.6
5698.8	50°	5298.4	4467.5	1927.7	1243.8	1234.9	1320.0	1281.0	1176.4	1077.2	984.2
6115.2	52.5°	5620.9	4628.7	1636.2	1119.7	1189.7	1314.6	1257.9	1142.8	1021.4	924.0
6506.7	55°	5894.6	4712.0	1355.4	1013.4	1124.2	1269.5	1230.5	1102.9	942.6	838.9
6775.2	57.5°	6050.5	4644.6	1121.5	908.9	1033.8	1195.0	1183.5	1017.9	848.7	768.9
6827.4	60°	5983.2	4371.8	930.2	817.7	947.9	1114.4	1102.0	933.7	776.9	701.6
6547.5	62.5°	5612.0	3851.8	778.7	737.9	869.9	1032.0	1020.5	869.0	722.0	649.3
5804.2	65°	4864.3	3133.3	660.9	671.5	791.1	932.8	949.7	815.0	678.6	607.7
4490.5	67.5°	3710.0	2269.6	568.7	613.9	714.0	835.4	884.1	776.0	642.3	574.9
2598.3	70°	2114.6	1288.9	490.8	558.1	645.8	745.0	833.6	745.0	603.3	547.5
973.6	72.5°	801.7	591.8	424.3	502.3	580.2	668.8	777.8	696.3	558.1	516.5
503.2	75°	427.9	360.6	357.0	436.7	504.9	594.4	707.8	648.5	524.4	545.7
348.1	77.5°	291.5	255.1	298.5	373.8	422.6	512.0	633.4	575.8	454.5	452.7
241.0	80°	202.0	180.7	242.7	301.2	326.9	430.5	552.8	494.3	370.3	345.5
148.8	82.5°	121.4	117.8	181.6	225.0	231.2	332.2	458.0	414.6	303.0	264.0
88.6	85°	66.4	70.0	116.0	132.0	134.7	232.1	358.8	320.7	233.0	195.8
31.9	87.5°	18.6	23.9	42.5	52.3	64.7	120.5	213.5	190.5	116.9	81.5
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°
2183.7
2344.0
2445.9
2475.1
2459.2
2422.0
2370.6
2283.8
2189.0
2128.8
2079.1
2024.2
1963.1
1873.6
1757.6
1610.5
1443.1
1275.7
1145.4
1058.6
976.2
913.3
830.1
758.3
691.0
637.8
596.2
564.3
540.4
509.4
563.4
417.2
330.4
265.8
197.5
81.5
0.0

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