

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: P848198

Luminaire Tested: **GLAN-SB4C-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848198  
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-SB4C-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19342 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

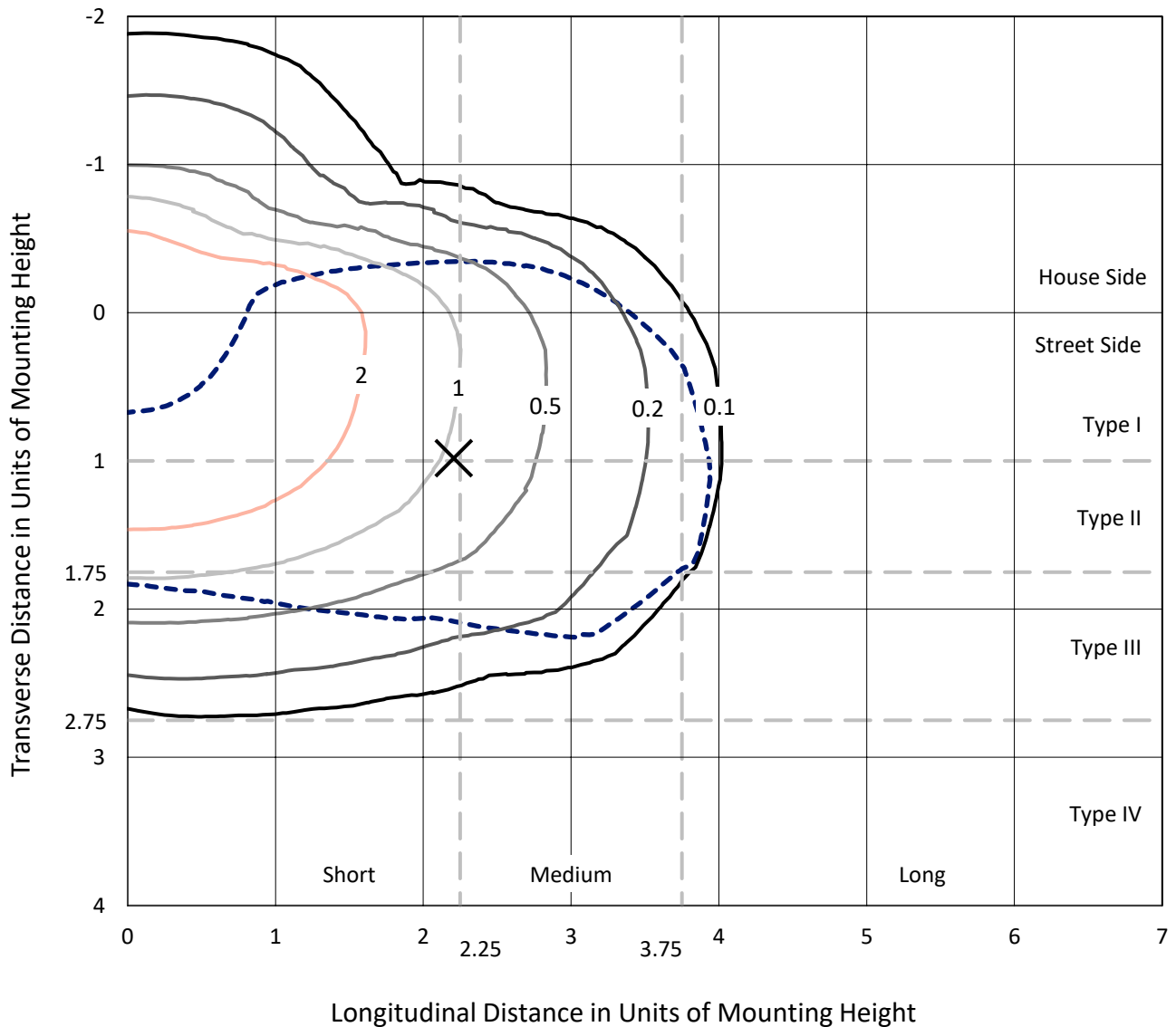
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

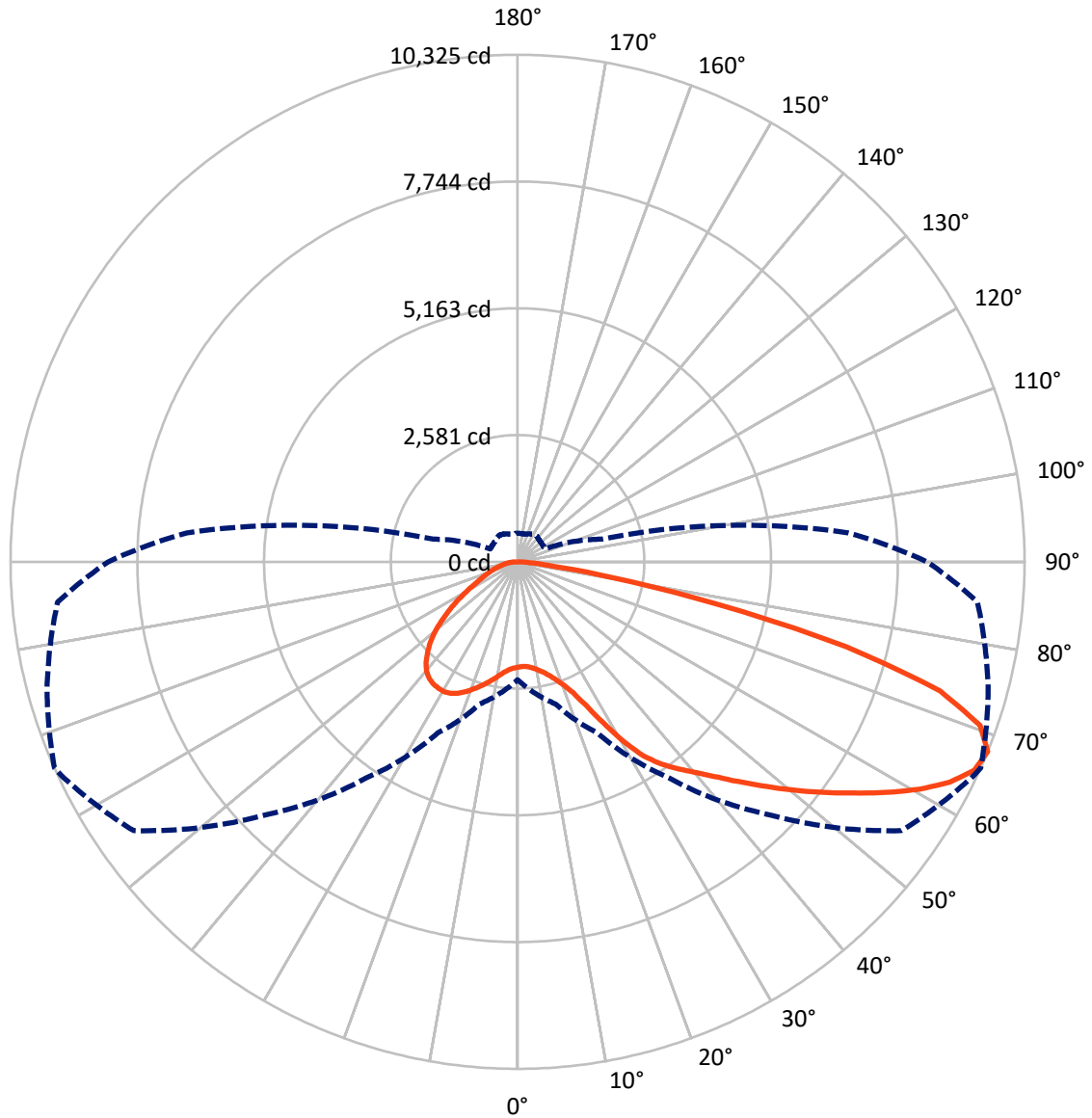
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	4809.3	0.0	4809.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	14532.7	0.0	14532.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	19342.0	0.0	19342.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.7	1.1
10°-20°	702.7	3.6
20°-30°	1354.5	7.0
30°-40°	2374.9	12.3
40°-50°	3530.6	18.3
50°-60°	4475.4	23.1
60°-70°	4379.1	22.6
70°-80°	2088.9	10.8
80°-90°	223.2	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°	19342.0	100.0
0°-180°	19342.0	100.0

**Coefficient of Utilization**



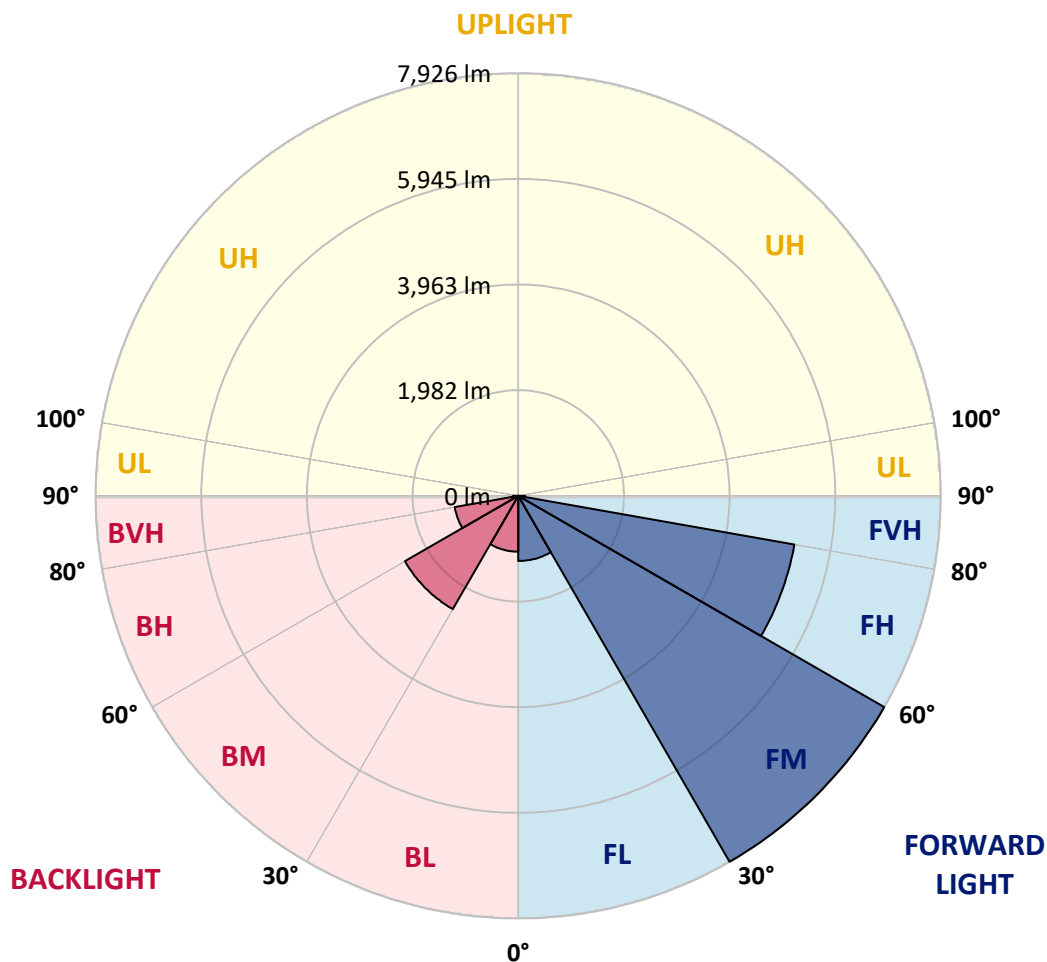
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1222.2	6.3			
FM (30°-60°)	7926.2	41.0			
FH (60°-80°)	5257.7	27.2			G3/7500
FVH (80°-90°)	126.6	0.7			G2/225
BL (0°-30°)	1047.6	5.4	B3/2500		
BM (30°-60°)	2454.7	12.7	B2/2500		
BH (60°-80°)	1210.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	96.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3
2.5°	2122.9	2135.1	2132.1	2127.0	2126.0	2128.0	2131.1	2134.1	2133.1	2138.2
5°	2116.8	2129.0	2128.0	2128.0	2132.1	2140.2	2145.3	2150.4	2145.3	2151.4
7.5°	2120.9	2130.0	2134.1	2138.2	2148.3	2163.6	2175.8	2186.9	2180.9	2188.0
10°	2172.7	2179.8	2183.9	2183.9	2191.0	2208.3	2220.5	2240.8	2235.7	2246.9
12.5°	2267.2	2274.3	2274.3	2270.3	2275.4	2286.5	2290.6	2313.0	2303.8	2322.1
15°	2383.1	2397.3	2386.1	2379.0	2381.1	2392.2	2391.2	2408.5	2399.3	2414.6
17.5°	2511.1	2529.4	2511.1	2510.1	2506.0	2518.2	2519.3	2534.5	2518.2	2529.4
20°	2662.5	2688.0	2672.7	2677.8	2668.6	2673.7	2678.8	2701.2	2675.8	2683.9
22.5°	2876.0	2906.4	2890.2	2909.5	2903.4	2899.3	2898.3	2938.0	2898.3	2901.4
25°	3186.9	3223.5	3195.1	3221.5	3221.5	3234.7	3249.9	3300.7	3234.7	3215.4
27.5°	3646.3	3682.9	3627.0	3643.2	3638.1	3670.7	3654.4	3780.4	3709.3	3677.8
30°	4199.1	4264.1	4158.5	4154.4	4149.3	4201.1	4224.5	4307.8	4235.7	4204.2
32.5°	4796.7	4864.7	4738.7	4702.1	4682.8	4714.3	4695.0	4762.1	4712.3	4663.5
35°	5428.8	5495.8	5375.9	5304.8	5227.5	5161.5	5092.4	5109.7	5062.9	4988.7
37.5°	6026.3	6149.3	6022.2	5946.0	5803.7	5674.7	5481.6	5401.3	5357.6	5289.5
40°	6635.0	6705.2	6608.6	6543.6	6389.1	6186.9	5877.9	5708.2	5649.3	5583.2
42.5°	7083.2	7150.3	7098.4	7053.7	6932.8	6698.0	6298.7	6086.3	6000.9	5926.7
45°	7438.9	7488.7	7456.2	7472.4	7420.6	7192.9	6734.6	6491.7	6403.3	6312.9
47.5°	7582.2	7635.0	7686.8	7783.4	7871.8	7704.1	7203.1	6930.8	6837.3	6744.8
50°	7565.9	7619.8	7770.2	7975.5	8249.8	8193.9	7697.0	7398.2	7311.8	7206.2
52.5°	7435.8	7496.8	7689.9	8031.3	8468.3	8560.8	8200.0	7880.9	7799.6	7673.6
55°	7094.4	7131.0	7420.6	7904.3	8520.2	8816.9	8692.9	8395.2	8313.9	8138.1
57.5°	6461.3	6514.1	6935.8	7561.8	8390.1	8990.7	9125.8	8935.8	8857.6	8604.5
60°	5635.1	5719.4	6202.1	6986.7	8058.8	8989.7	9519.1	9467.3	9402.3	9063.8
62.5°	4700.1	4797.7	5262.1	6173.7	7479.5	8734.6	9765.1	9912.4	9878.9	9487.6
65°	3609.7	3676.8	4139.1	5121.9	6578.1	8186.8	9793.5	10216.3	10222.4	9809.8
67.5°	2403.4	2596.5	2997.9	3843.4	5370.8	7291.5	9543.5	10266.1	10325.0	9920.5
70°	1172.7	1426.8	1820.1	2497.9	3843.4	5918.6	8890.1	9857.5	9988.6	9597.4
72.5°	486.8	569.1	783.5	1232.7	2206.3	3993.8	7577.1	8749.8	8992.7	8503.9
75°	328.2	355.7	448.2	632.1	1005.1	1969.5	5464.3	6524.3	6915.5	6422.6
77.5°	253.0	270.3	326.2	442.1	597.5	744.9	2924.7	3931.8	4134.1	3827.2
80°	199.2	212.4	243.9	322.1	423.8	398.4	996.9	1781.5	1898.3	1592.4
82.5°	172.8	177.8	174.8	218.5	281.5	232.7	327.2	657.5	725.6	526.4
85°	125.0	139.2	145.3	135.2	149.4	117.9	134.1	232.7	256.1	228.7
87.5°	50.8	75.2	92.5	87.4	54.9	33.5	41.7	68.1	78.3	85.4
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°
2145.3	0°	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3	2145.3
2146.3	2.5°	2147.3	2154.4	2159.5	2165.6	2169.7	2175.8	2188.0	2195.1	2196.1	2201.2
2162.6	5°	2166.6	2176.8	2188.0	2204.2	2222.5	2237.8	2261.1	2277.4	2283.5	2288.6
2202.2	7.5°	2208.3	2222.5	2242.8	2271.3	2297.7	2318.0	2346.5	2365.8	2385.1	2392.2
2265.2	10°	2270.3	2290.6	2320.1	2358.7	2387.1	2413.6	2443.0	2459.3	2478.6	2486.7
2340.4	12.5°	2347.5	2368.9	2407.5	2461.3	2487.8	2506.0	2516.2	2512.1	2516.2	2523.3
2430.8	15°	2435.9	2459.3	2503.0	2560.9	2579.2	2563.0	2540.6	2520.3	2517.2	2519.3
2540.6	17.5°	2540.6	2557.9	2608.7	2657.5	2644.3	2577.2	2528.4	2495.9	2479.6	2474.5
2680.8	20°	2686.9	2686.9	2728.6	2759.1	2670.7	2556.9	2480.6	2427.8	2394.3	2380.0
2871.9	22.5°	2864.8	2848.5	2874.9	2853.6	2665.6	2500.0	2394.3	2302.8	2252.0	2231.7
3139.2	25°	3090.4	3071.1	3064.0	2931.9	2629.0	2409.5	2237.8	2127.0	2082.3	2071.1
3524.3	27.5°	3430.8	3382.0	3289.6	2974.5	2561.9	2267.2	2054.8	1952.2	1926.8	1927.8
4019.2	30°	3884.1	3786.5	3559.9	2981.6	2452.2	2066.0	1867.8	1794.7	1782.5	1787.6
4434.9	32.5°	4303.8	4211.3	3836.3	2949.1	2283.5	1868.9	1700.2	1651.4	1633.1	1639.2
4751.9	35°	4633.0	4607.6	4092.4	2903.4	2076.2	1683.9	1549.8	1508.1	1472.5	1464.4
5050.7	37.5°	4944.0	4933.8	4284.5	2839.4	1870.9	1552.8	1428.8	1374.0	1322.1	1293.7
5381.0	40°	5285.5	5275.3	4410.5	2740.8	1689.0	1439.0	1320.1	1247.9	1183.9	1132.1
5755.0	42.5°	5669.6	5609.6	4470.4	2599.5	1534.5	1342.5	1231.7	1134.1	1049.8	1002.0
6177.7	45°	6089.3	5954.2	4469.4	2419.7	1404.4	1254.0	1137.2	999.0	920.7	876.0
6611.7	47.5°	6534.4	6283.4	4414.5	2220.5	1278.4	1156.5	990.8	885.1	833.3	805.9
7083.2	50°	6993.8	6591.3	4321.1	1991.8	1149.4	1045.7	899.4	827.2	787.6	762.2
7550.7	52.5°	7425.7	6870.8	4208.3	1732.7	1018.3	938.0	858.7	802.8	761.2	732.7
8003.9	55°	7827.1	7111.7	4048.7	1467.5	911.6	865.8	839.4	792.7	744.9	711.4
8464.3	57.5°	8183.8	7268.2	3773.3	1218.5	835.3	816.0	819.1	775.4	720.5	692.1
8917.5	60°	8480.5	7383.0	3365.8	987.8	773.4	767.3	787.6	742.9	678.8	646.3
9300.6	62.5°	8658.4	7381.0	2865.8	808.9	720.5	722.5	745.9	702.2	637.2	606.7
9500.8	65°	8643.1	7200.1	2317.0	692.1	669.7	671.7	702.2	657.5	602.6	584.3
9400.2	67.5°	8337.2	6759.0	1777.4	615.8	613.8	623.0	658.5	627.0	581.3	579.3
8800.6	70°	7509.0	5843.4	1280.5	554.9	555.9	569.1	615.8	607.7	570.1	574.2
7399.2	72.5°	6021.2	4455.2	859.7	490.8	491.9	513.2	575.2	592.5	558.9	612.8
5249.9	75°	4010.1	2778.4	552.8	422.8	423.8	451.2	539.6	563.0	528.4	610.8
2731.7	77.5°	1926.8	1249.0	400.4	355.7	355.7	381.1	466.5	504.1	450.2	474.6
878.0	80°	665.6	469.5	315.0	286.6	280.5	297.8	393.3	437.0	388.2	357.7
286.6	82.5°	262.2	243.9	253.0	222.6	202.2	213.4	305.9	360.8	285.6	258.1
161.6	85°	150.4	158.5	178.9	147.4	116.9	131.1	224.6	259.1	215.4	190.0
52.8	87.5°	40.6	55.9	82.3	76.2	52.8	55.9	106.7	143.3	124.0	95.5
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°
2145.3
2200.2
2287.6
2393.2
2490.8
2525.4
2526.4
2481.7
2377.0
2228.6
2073.1
1930.9
1804.8
1647.3
1470.5
1294.7
1137.2
1005.1
874.0
799.8
753.0
720.5
698.2
673.8
632.1
597.5
583.3
582.3
573.2
620.9
615.8
435.0
335.4
257.1
194.1
98.6
0.0

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