

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: P949027

Luminaire Tested: **GLAN-SB3D-927-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-927-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19079 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

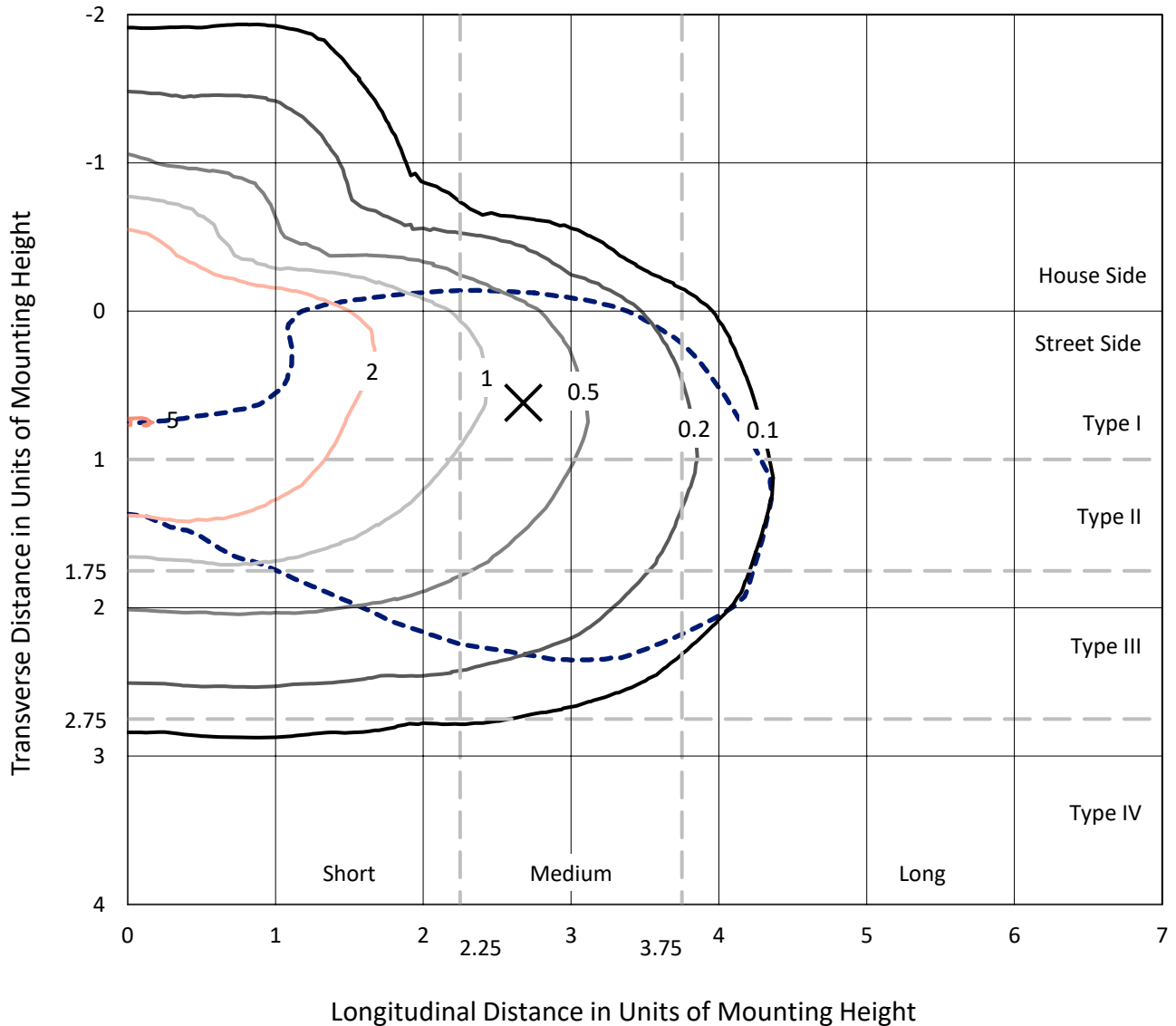
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

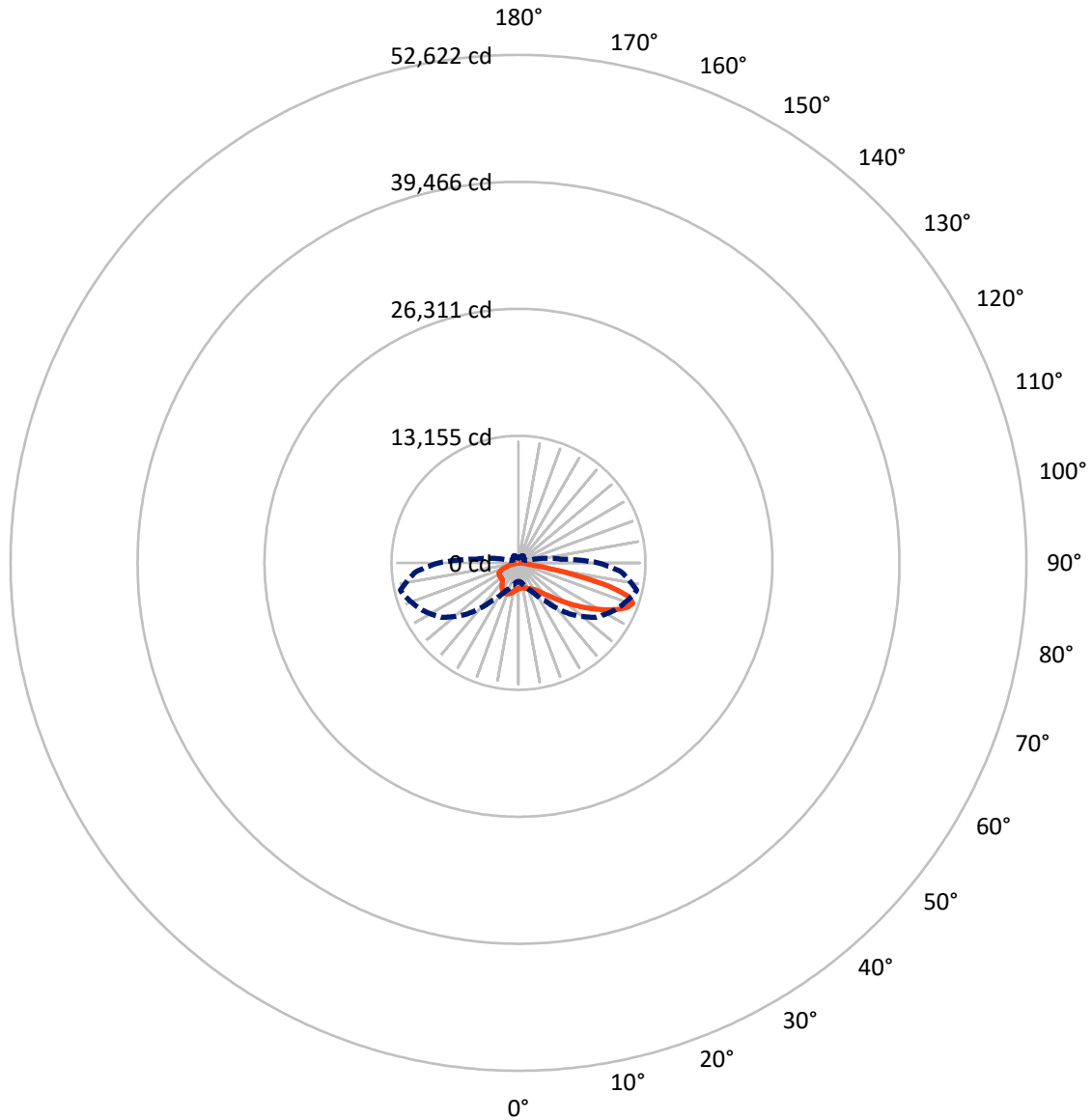
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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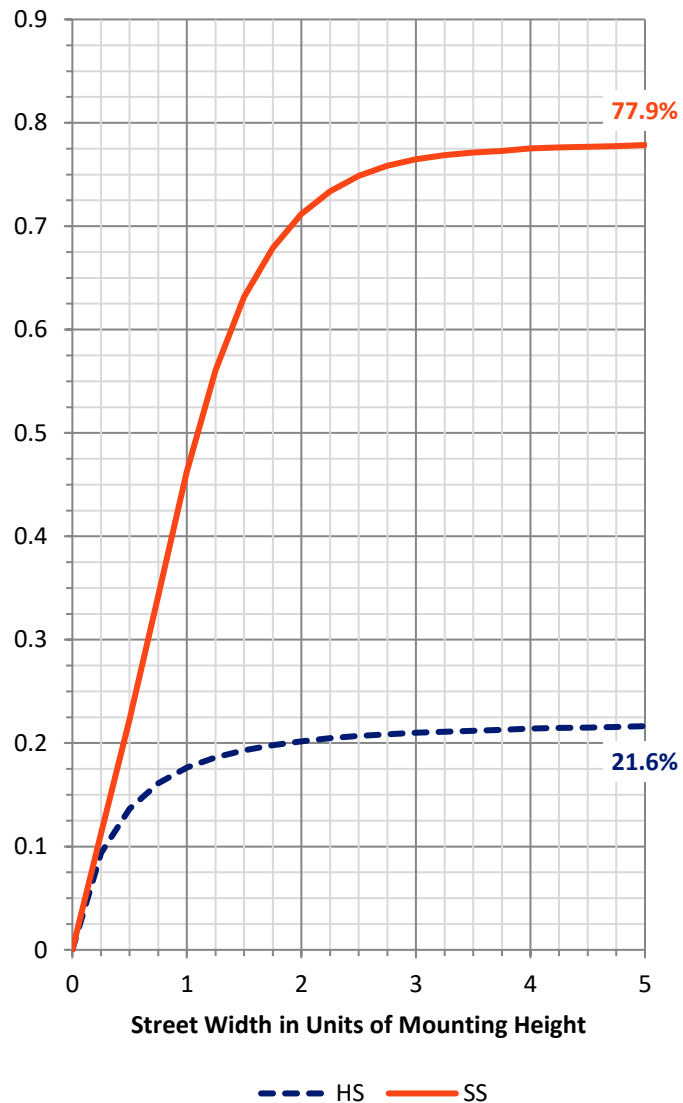
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4178.0	0.0	4178.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	14901.0	0.0	14901.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	19079.0	0.0	19079.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.9	1.3
10°-20°	732.6	3.8
20°-30°	1252.9	6.6
30°-40°	2014.8	10.6
40°-50°	3145.7	16.5
50°-60°	4201.9	22.0
60°-70°	4478.6	23.5
70°-80°	2757.0	14.5
80°-90°	241.6	1.3
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°	19079.0	100.0
0°-180°	19079.0	100.0

Coefficient of Utilization

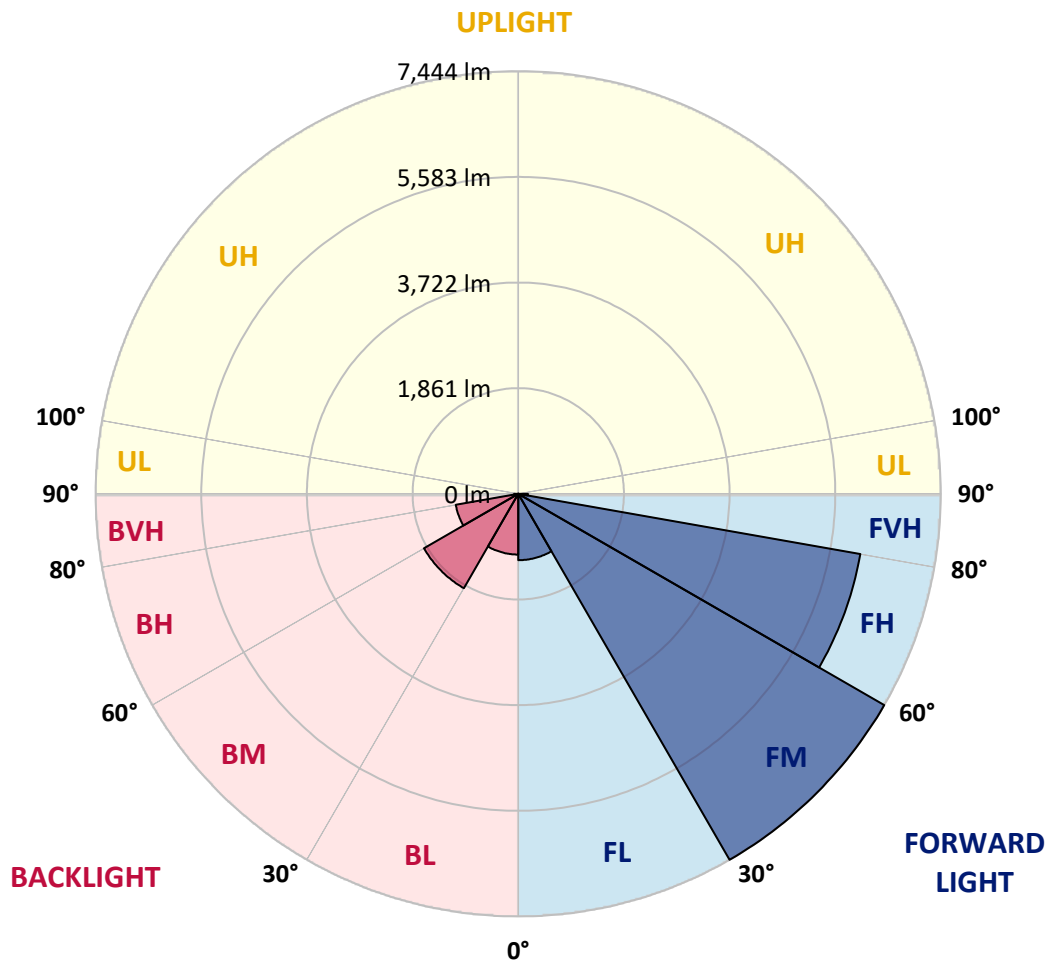


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1168.9	6.1			
FM (30°-60°)	7444.2	39.0			
FH (60°-80°)	6119.0	32.1			G3/7500
FVH (80°-90°)	168.9	0.9			G2/225
BL (0°-30°)	1070.5	5.6	B3/2500		
BM (30°-60°)	1918.2	10.1	B2/2500		
BH (60°-80°)	1116.6	5.9	B3/2500		G3/2500
BVH (80°-90°)	72.7	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7
2.5°	2453.6	2452.6	2465.3	2469.2	2492.7	2509.3	2540.5	2573.8	2616.7	2621.6
5°	2311.9	2311.9	2326.5	2342.2	2372.5	2405.7	2453.6	2511.2	2585.5	2597.2
7.5°	2191.7	2199.5	2212.2	2242.5	2277.7	2325.6	2398.8	2480.9	2578.6	2597.2
10°	2095.0	2103.8	2119.4	2143.8	2196.6	2263.0	2358.8	2464.3	2595.2	2624.6
12.5°	2064.7	2073.5	2082.3	2100.8	2149.7	2227.9	2342.2	2472.1	2635.3	2664.6
15°	2135.0	2145.8	2138.9	2134.0	2159.5	2230.8	2350.0	2500.5	2685.1	2727.2
17.5°	2297.2	2301.1	2285.5	2239.6	2235.7	2273.8	2387.1	2539.6	2747.7	2793.6
20°	2559.1	2552.3	2520.0	2429.1	2377.4	2369.5	2450.6	2598.2	2812.2	2861.0
22.5°	2914.8	2907.0	2842.5	2698.8	2583.5	2507.3	2542.5	2674.4	2884.5	2939.2
25°	3358.4	3347.6	3252.9	3057.4	2878.6	2690.0	2667.6	2775.0	2973.4	3024.2
27.5°	3876.3	3867.5	3764.9	3506.9	3248.9	2940.2	2822.9	2893.3	3066.2	3123.9
30°	4433.2	4458.6	4276.9	3999.4	3673.0	3266.5	3032.0	3038.9	3186.4	3238.2
32.5°	5087.9	5131.9	4913.0	4561.2	4115.7	3621.2	3295.9	3242.1	3361.3	3404.3
35°	5736.7	5786.5	5604.8	5215.9	4702.9	4039.4	3571.4	3475.6	3593.9	3640.8
37.5°	6297.6	6364.0	6270.2	5932.1	5331.2	4543.6	3931.0	3750.2	3880.2	3938.8
40°	6740.2	6841.8	6835.0	6623.9	6071.9	5155.3	4387.3	4089.3	4235.8	4299.4
42.5°	7099.8	7187.7	7264.0	7253.2	6844.8	5850.1	4923.7	4530.0	4641.4	4714.6
45°	7348.0	7441.8	7606.0	7782.8	7588.4	6593.7	5538.4	5052.7	5154.3	5264.8
47.5°	7569.8	7676.3	7889.3	8169.8	8219.6	7340.2	6211.6	5661.5	5754.3	5868.6
50°	7589.3	7681.2	8011.5	8409.2	8668.1	8057.4	6934.7	6344.5	6431.5	6553.6
52.5°	7117.4	7262.0	7838.5	8402.3	8874.3	8657.3	7652.9	7054.9	7152.6	7299.1
55°	5524.7	5736.7	7331.4	8140.4	8801.0	9045.3	8335.9	7810.2	7935.3	8088.7
57.5°	4758.6	4851.4	5819.8	7663.6	8466.8	9145.9	8912.4	8573.3	8774.6	8942.7
60°	4276.9	4354.1	4926.7	6922.0	8027.1	8986.6	9357.9	9284.7	9632.5	9832.8
62.5°	3761.0	3834.2	4355.1	5779.7	7464.3	8721.8	9639.4	9941.3	10511.9	10730.8
65°	3248.9	3311.5	3810.8	4856.3	6749.0	8457.0	9785.0	10509.0	11325.9	11552.6
67.5°	2678.3	2730.1	3202.0	4097.1	5879.4	8094.5	9857.3	10955.6	12034.3	12228.7
70°	1932.8	1972.8	2460.4	3240.2	4787.9	7471.1	9827.9	11272.1	12401.7	12557.1
72.5°	913.6	949.8	1522.4	2103.8	3381.8	6257.5	9234.8	11021.0	12028.4	11951.2
75°	487.6	518.9	874.5	1154.0	1786.2	4289.6	7557.1	9493.8	10100.6	9725.3
77.5°	330.3	354.7	541.3	692.8	815.9	2036.3	4857.3	6573.1	6324.0	5704.5
80°	261.9	287.3	443.6	469.0	394.8	735.8	2007.0	3042.8	2185.8	1748.1
82.5°	201.3	229.6	373.3	340.0	215.0	301.9	584.3	962.5	559.9	426.0
85°	123.1	153.4	293.1	216.9	121.2	137.8	198.4	267.7	171.0	142.7
87.5°	62.5	87.9	148.5	79.1	54.7	32.2	52.8	52.8	44.9	39.1
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°
2661.7	0°	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7	2661.7
2648.0	2.5°	2671.5	2691.0	2724.2	2755.5	2779.9	2803.4	2826.8	2839.5	2843.4	2859.1
2662.7	5°	2702.7	2738.9	2803.4	2864.0	2902.1	2925.5	2942.1	2951.9	2953.9	2958.7
2702.7	7.5°	2760.4	2818.0	2907.9	2968.5	2996.8	2994.9	2988.1	2963.6	2953.9	2945.1
2761.4	10°	2841.5	2917.7	3028.1	3070.1	3052.5	3005.6	2945.1	2873.7	2840.5	2808.3
2841.5	12.5°	2942.1	3038.9	3147.3	3145.4	3058.4	2938.2	2797.5	2688.1	2618.7	2568.9
2940.2	15°	3064.3	3175.7	3258.7	3192.3	3001.7	2785.8	2579.6	2437.0	2374.4	2319.7
3039.8	17.5°	3190.3	3309.5	3347.6	3177.6	2859.1	2560.1	2326.5	2214.2	2152.6	2123.3
3147.3	20°	3313.4	3431.7	3400.4	3093.6	2642.2	2304.1	2095.9	2034.4	2021.7	2028.5
3251.9	22.5°	3443.4	3548.9	3411.2	2931.4	2365.6	2042.2	1927.9	1929.8	1958.2	1978.7
3361.3	25°	3576.3	3647.6	3382.8	2696.9	2068.6	1849.7	1821.4	1852.6	1908.3	1948.4
3484.4	27.5°	3704.3	3735.6	3321.3	2406.7	1813.5	1711.9	1716.8	1781.3	1865.3	1921.0
3633.9	30°	3848.9	3813.7	3203.0	2080.3	1636.7	1593.7	1634.7	1710.0	1794.0	1843.8
3822.5	32.5°	4012.1	3881.1	3015.4	1778.4	1511.6	1498.9	1566.3	1615.2	1652.3	1667.0
4072.7	35°	4215.3	3975.9	2775.0	1566.3	1399.2	1429.5	1494.0	1469.6	1454.9	1447.1
4408.8	37.5°	4479.2	4103.9	2493.6	1428.6	1308.4	1379.7	1406.1	1329.9	1272.2	1243.9
4816.3	40°	4796.7	4291.5	2223.0	1322.1	1250.7	1336.7	1290.8	1198.9	1125.7	1085.6
5274.5	42.5°	5149.5	4487.9	1995.3	1241.9	1218.5	1301.5	1205.8	1096.3	978.1	965.4
5820.7	45°	5519.8	4690.2	1839.9	1180.4	1202.8	1271.2	1156.9	980.1	896.0	947.8
6368.9	47.5°	5890.1	4875.9	1746.1	1134.4	1195.0	1237.0	1113.9	915.6	856.0	931.2
6956.2	50°	6302.5	5042.0	1704.1	1101.2	1186.2	1223.4	1049.4	899.0	813.9	863.8
7563.9	52.5°	6711.9	5171.0	1672.8	1068.0	1173.5	1212.6	1018.2	879.4	763.1	766.1
8175.6	55°	7120.3	5255.0	1638.6	1024.0	1145.2	1189.2	1015.2	857.9	725.0	711.3
8822.5	57.5°	7556.1	5302.9	1596.6	975.2	1096.3	1129.6	1012.3	841.3	713.3	690.8
9484.0	60°	7999.7	5373.2	1541.9	915.6	1030.9	1058.2	1005.5	835.4	706.5	668.4
10107.4	62.5°	8397.4	5397.7	1476.4	858.9	946.8	987.9	990.8	830.6	687.9	622.4
10625.3	65°	8658.3	5292.1	1362.1	794.4	856.0	915.6	962.5	813.9	654.7	589.2
10881.3	67.5°	8647.6	4991.2	1183.3	711.3	768.0	835.4	921.4	785.6	614.6	548.2
10687.8	70°	8245.0	4397.1	956.6	614.6	671.3	749.5	868.7	743.6	566.7	503.2
9503.5	72.5°	7071.5	3441.4	694.7	501.3	558.9	660.5	800.3	692.8	517.9	463.2
7023.6	75°	5051.7	2178.0	471.0	385.0	434.8	559.9	715.3	633.2	472.9	465.1
3517.7	77.5°	2580.6	1040.6	311.7	281.4	302.9	441.7	600.9	565.8	479.8	384.0
1000.6	80°	839.4	384.0	196.4	191.5	201.3	294.1	465.1	464.1	363.5	260.9
242.3	82.5°	267.7	165.1	128.0	123.1	118.2	184.7	324.4	367.4	245.3	165.1
87.0	85°	106.5	98.7	75.2	69.4	49.8	87.0	170.0	244.3	182.7	119.2
22.5	87.5°	39.1	39.1	20.5	14.7	10.7	29.3	45.9	73.3	104.6	61.6
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

<u>180°</u>
2661.7
2867.9
2966.6
2947.0
2798.5
2557.1
2313.8
2132.1
2025.6
1983.6
1959.1
1934.7
1855.6
1674.8
1454.9
1250.7
1088.5
978.1
975.2
966.4
900.9
786.6
721.1
693.8
671.3
622.4
589.2
551.1
509.1
460.2
438.7
342.0
230.6
164.2
122.1
60.6
0.0

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