

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: P848528

Luminaire Tested: **GLAN-SB5A-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848528
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-SB5A-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19470 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

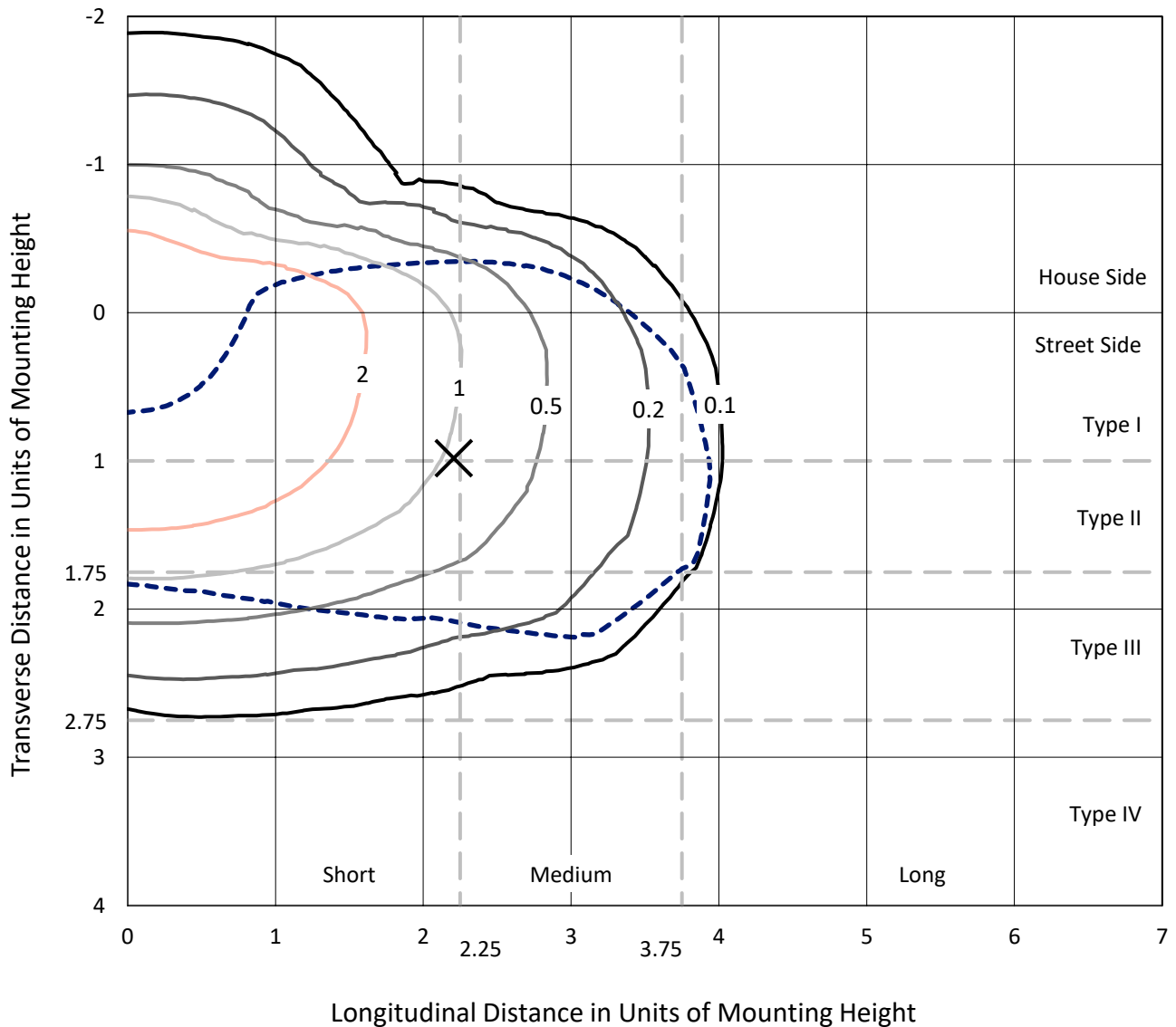
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

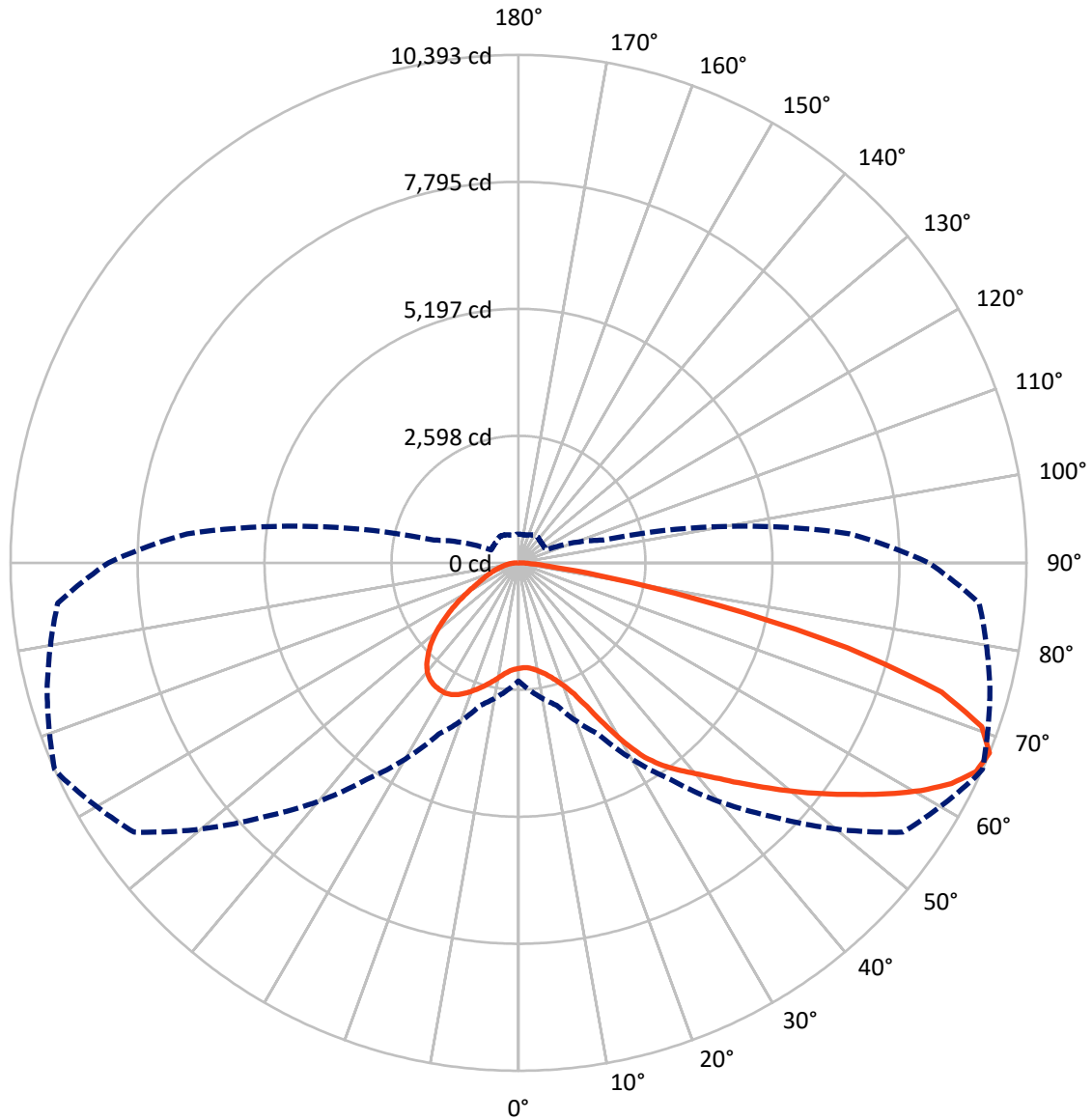
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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
House Side	Lumens	4841.2	0.0	4841.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	14628.8	0.0	14628.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	19470.0	0.0	19470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	1.1
10°-20°	707.4	3.6
20°-30°	1363.4	7.0
30°-40°	2390.6	12.3
40°-50°	3554.0	18.3
50°-60°	4505.0	23.1
60°-70°	4408.1	22.6
70°-80°	2102.7	10.8
80°-90°	224.7	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°	19470.0	100.0
0°-180°	19470.0	100.0

Coefficient of Utilization



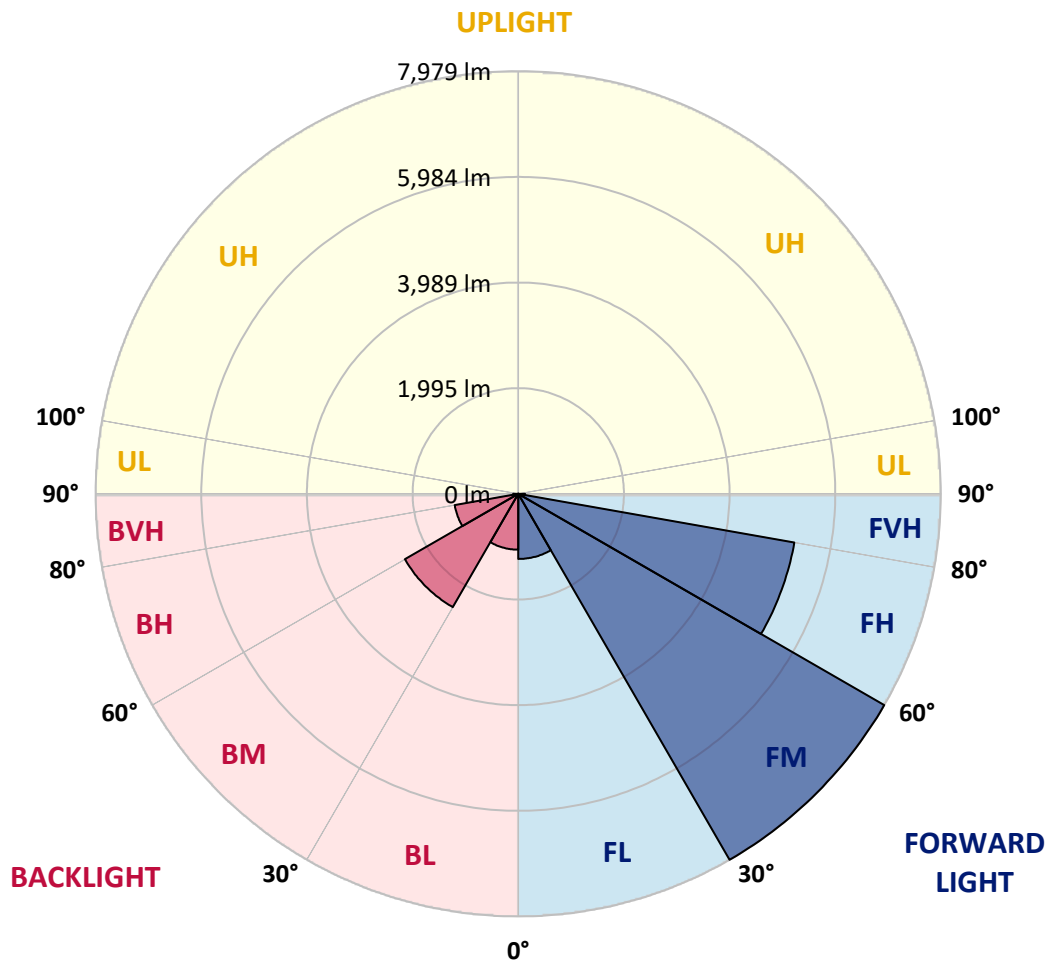
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1230.3	6.3			
FM (30°-60°)	7978.6	41.0			
FH (60°-80°)	5292.5	27.2			G3/7500
FVH (80°-90°)	127.4	0.7			G2/225
BL (0°-30°)	1054.6	5.4	B3/2500		
BM (30°-60°)	2471.0	12.7	B2/2500		
BH (60°-80°)	1218.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	97.3	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°	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5
2.5°	2137.0	2149.3	2146.2	2141.1	2140.0	2142.1	2145.2	2148.2	2147.2	2152.3
5°	2130.8	2143.1	2142.1	2142.1	2146.2	2154.4	2159.5	2164.6	2159.5	2165.6
7.5°	2134.9	2144.1	2148.2	2152.3	2162.5	2177.9	2190.2	2201.4	2195.3	2202.4
10°	2187.1	2194.3	2198.4	2198.4	2205.5	2222.9	2235.2	2255.6	2250.5	2261.8
12.5°	2282.2	2289.4	2289.4	2285.3	2290.4	2301.7	2305.8	2328.3	2319.1	2337.5
15°	2398.9	2413.2	2401.9	2394.8	2396.8	2408.1	2407.0	2424.4	2415.2	2430.6
17.5°	2527.7	2546.2	2527.7	2526.7	2522.6	2534.9	2535.9	2551.3	2534.9	2546.2
20°	2680.2	2705.7	2690.4	2695.5	2686.3	2691.4	2696.5	2719.0	2693.5	2701.7
22.5°	2895.0	2925.7	2909.3	2928.8	2922.6	2918.5	2917.5	2957.4	2917.5	2920.6
25°	3208.0	3244.8	3216.2	3242.8	3242.8	3256.1	3271.4	3322.6	3256.1	3236.7
27.5°	3670.4	3707.2	3651.0	3667.3	3662.2	3695.0	3678.6	3805.4	3733.8	3702.1
30°	4226.9	4292.4	4186.0	4181.9	4176.8	4228.9	4252.5	4336.4	4263.7	4232.0
32.5°	4828.4	4896.9	4770.1	4733.3	4713.8	4745.5	4726.1	4793.6	4743.5	4694.4
35°	5464.7	5532.2	5411.5	5339.9	5262.1	5195.6	5126.1	5143.5	5096.4	5021.7
37.5°	6066.2	6190.0	6062.1	5985.4	5842.2	5712.2	5517.9	5437.1	5393.1	5324.5
40°	6678.9	6749.5	6652.3	6586.9	6431.4	6227.8	5916.8	5746.0	5686.7	5620.2
42.5°	7130.1	7197.6	7145.4	7100.4	6978.7	6742.4	6340.3	6126.5	6040.6	5965.9
45°	7488.1	7538.2	7505.5	7521.9	7469.7	7240.6	6779.2	6534.7	6445.7	6354.7
47.5°	7632.3	7685.5	7737.7	7834.9	7923.9	7755.1	7250.8	6976.6	6882.5	6789.4
50°	7616.0	7670.2	7821.6	8028.2	8304.4	8248.2	7747.9	7447.2	7360.2	7253.8
52.5°	7485.0	7546.4	7740.8	8084.5	8524.4	8617.5	8254.3	7933.1	7851.3	7724.4
55°	7141.3	7178.1	7469.7	7956.6	8576.5	8875.2	8750.4	8450.7	8368.9	8191.9
57.5°	6504.0	6557.2	6981.7	7611.9	8445.6	9050.2	9186.2	8994.9	8916.2	8661.4
60°	5672.3	5757.3	6243.2	7032.9	8112.1	9049.2	9582.1	9529.9	9464.5	9123.8
62.5°	4731.2	4829.4	5296.9	6214.5	7529.0	8792.4	9829.7	9978.0	9944.2	9550.4
65°	3633.6	3701.1	4166.5	5155.7	6621.7	8241.0	9858.3	10283.9	10290.0	9874.7
67.5°	2419.3	2613.7	3017.7	3868.9	5406.4	7339.8	9606.7	10334.0	10393.3	9986.2
70°	1180.5	1436.2	1832.1	2514.4	3868.9	5957.8	8948.9	9922.8	10054.7	9660.9
72.5°	490.0	572.9	788.7	1240.9	2220.9	4020.3	7627.2	8807.7	9052.2	8560.2
75°	330.4	358.0	451.1	636.3	1011.7	1982.5	5500.5	6567.4	6961.3	6465.1
77.5°	254.7	272.1	328.4	445.0	601.5	749.8	2944.1	3957.9	4161.4	3852.5
80°	200.5	213.8	245.5	324.3	426.6	401.0	1003.5	1793.3	1910.9	1603.0
82.5°	173.9	179.0	176.0	219.9	283.4	234.3	329.4	661.9	730.4	529.9
85°	125.8	140.1	146.3	136.1	150.4	118.7	135.0	234.3	257.8	230.2
87.5°	51.1	75.7	93.1	88.0	55.2	33.8	41.9	68.5	78.8	85.9
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°
2159.5	0°	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5	2159.5
2160.5	2.5°	2161.5	2168.7	2173.8	2179.9	2184.0	2190.2	2202.4	2209.6	2210.6	2215.7
2176.9	5°	2181.0	2191.2	2202.4	2218.8	2237.2	2252.6	2276.1	2292.5	2298.6	2303.7
2216.8	7.5°	2222.9	2237.2	2257.7	2286.3	2312.9	2333.4	2362.0	2381.5	2400.9	2408.1
2280.2	10°	2285.3	2305.8	2335.4	2374.3	2402.9	2429.5	2459.2	2475.6	2495.0	2503.2
2355.9	12.5°	2363.1	2384.5	2423.4	2477.6	2504.2	2522.6	2532.9	2528.8	2532.9	2540.0
2446.9	15°	2452.0	2475.6	2519.6	2577.9	2596.3	2579.9	2557.4	2537.0	2533.9	2535.9
2557.4	17.5°	2557.4	2574.8	2626.0	2675.1	2661.8	2594.2	2545.1	2512.4	2496.0	2490.9
2698.6	20°	2704.7	2704.7	2746.7	2777.4	2688.4	2573.8	2497.1	2443.9	2410.1	2395.8
2890.9	22.5°	2883.7	2867.4	2894.0	2872.5	2683.2	2516.5	2410.1	2318.0	2266.9	2246.4
3159.9	25°	3110.8	3091.4	3084.2	2951.3	2646.4	2425.5	2252.6	2141.1	2096.1	2084.8
3547.6	27.5°	3453.5	3404.4	3311.3	2994.2	2578.9	2282.2	2068.4	1965.1	1939.5	1940.6
4045.8	30°	3909.8	3811.6	3583.4	3001.4	2468.4	2079.7	1880.2	1806.6	1794.3	1799.4
4464.2	32.5°	4332.3	4239.2	3861.7	2968.6	2298.6	1881.2	1711.4	1662.3	1643.9	1650.0
4783.4	35°	4663.7	4638.1	4119.5	2922.6	2089.9	1695.1	1560.0	1518.1	1482.3	1474.1
5084.1	37.5°	4976.7	4966.5	4312.8	2858.2	1883.3	1563.1	1438.3	1383.0	1330.9	1302.2
5416.6	40°	5320.4	5310.2	4439.7	2758.9	1700.2	1448.5	1328.8	1256.2	1191.8	1139.6
5793.1	42.5°	5707.1	5646.8	4500.0	2616.7	1544.7	1351.3	1239.8	1141.6	1056.7	1008.6
6218.6	45°	6129.6	5993.6	4499.0	2435.7	1413.7	1262.3	1144.7	1005.6	926.8	881.8
6655.4	47.5°	6577.7	6325.0	4443.8	2235.2	1286.9	1164.1	997.4	891.0	838.8	811.2
7130.1	50°	7040.0	6635.0	4349.6	2005.0	1157.0	1052.6	905.3	832.7	792.8	767.2
7600.6	52.5°	7474.8	6916.3	4236.1	1744.2	1025.0	944.2	864.4	808.1	766.2	737.6
8056.9	55°	7878.9	7158.7	4075.5	1477.2	917.6	871.6	845.0	797.9	749.8	716.1
8520.3	57.5°	8237.9	7316.2	3798.3	1226.5	840.9	821.4	824.5	780.5	725.3	696.6
8976.5	60°	8536.6	7431.8	3388.1	994.3	778.5	772.3	792.8	747.8	683.3	650.6
9362.2	62.5°	8715.7	7429.8	2884.8	814.3	725.3	727.3	750.9	706.9	641.4	610.7
9563.7	65°	8700.3	7247.7	2332.4	696.6	674.1	676.2	706.9	661.9	606.6	588.2
9462.4	67.5°	8392.4	6803.7	1789.2	619.9	617.9	627.1	662.9	631.2	585.1	583.1
8858.9	70°	7558.7	5882.1	1288.9	558.5	559.6	572.9	619.9	611.7	573.9	578.0
7448.2	72.5°	6061.1	4484.7	865.4	494.1	495.1	516.6	579.0	596.4	562.6	616.8
5284.6	75°	4036.6	2796.8	556.5	425.6	426.6	454.2	543.2	566.7	531.9	614.8
2749.7	77.5°	1939.5	1257.2	403.0	358.0	358.0	383.6	469.5	507.4	453.2	477.7
883.8	80°	670.0	472.6	317.1	288.5	282.3	299.7	395.9	439.9	390.8	360.1
288.5	82.5°	263.9	245.5	254.7	224.0	203.6	214.8	307.9	363.2	287.5	259.8
162.7	85°	151.4	159.6	180.0	148.3	117.6	132.0	226.1	260.9	216.9	191.3
53.2	87.5°	40.9	56.3	82.9	76.7	53.2	56.3	107.4	144.2	124.8	96.2
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°
2159.5
2214.7
2302.7
2409.1
2507.3
2542.1
2543.1
2498.1
2392.7
2243.4
2086.8
1943.6
1816.8
1658.2
1480.2
1303.3
1144.7
1011.7
879.8
805.1
758.0
725.3
702.8
678.2
636.3
601.5
587.2
586.2
577.0
625.0
619.9
437.8
337.6
258.8
195.4
99.2
0.0

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