

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: P848445

Luminaire Tested: **GLAN-SB5A-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848445  
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-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 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: 16237 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

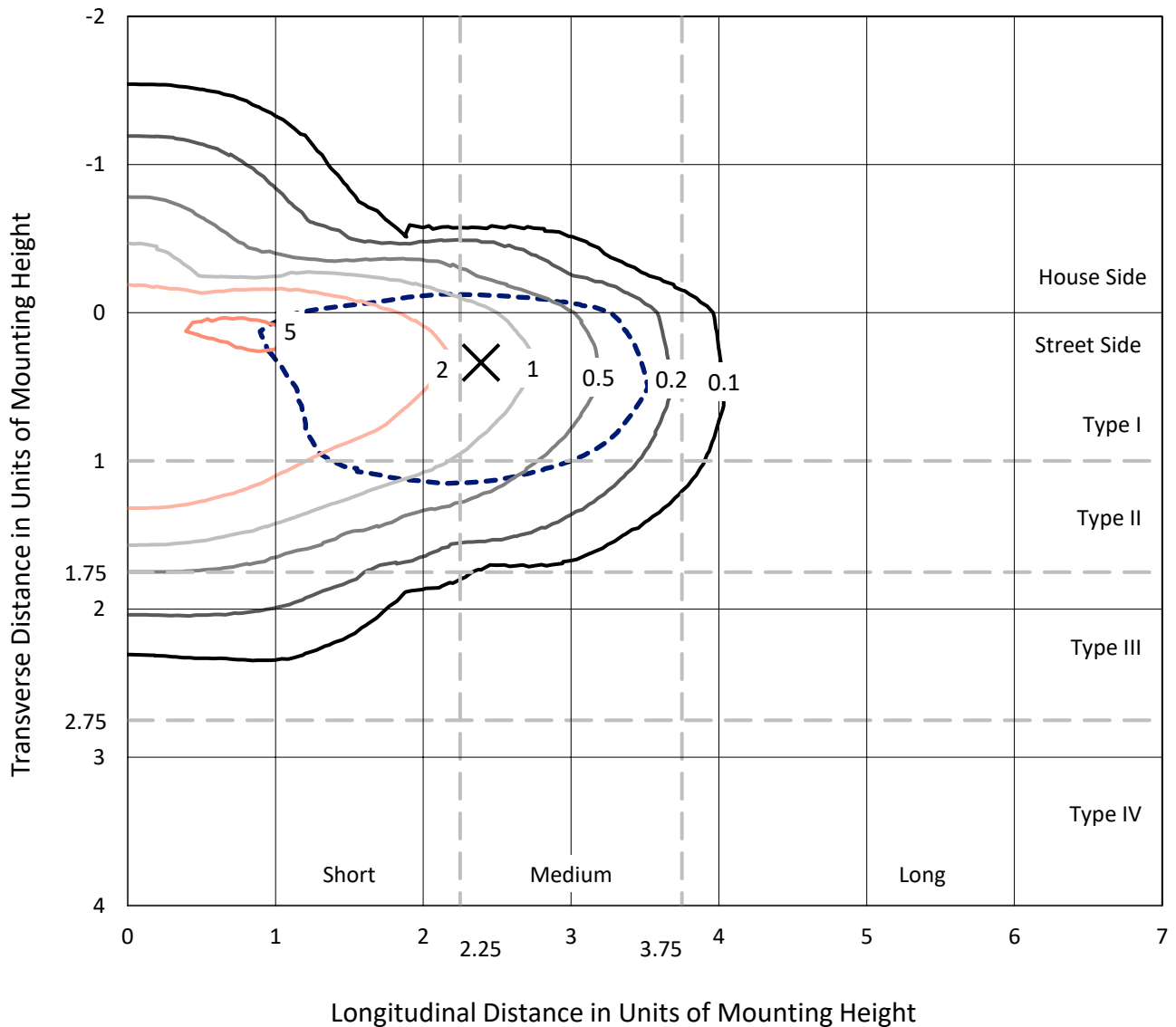
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

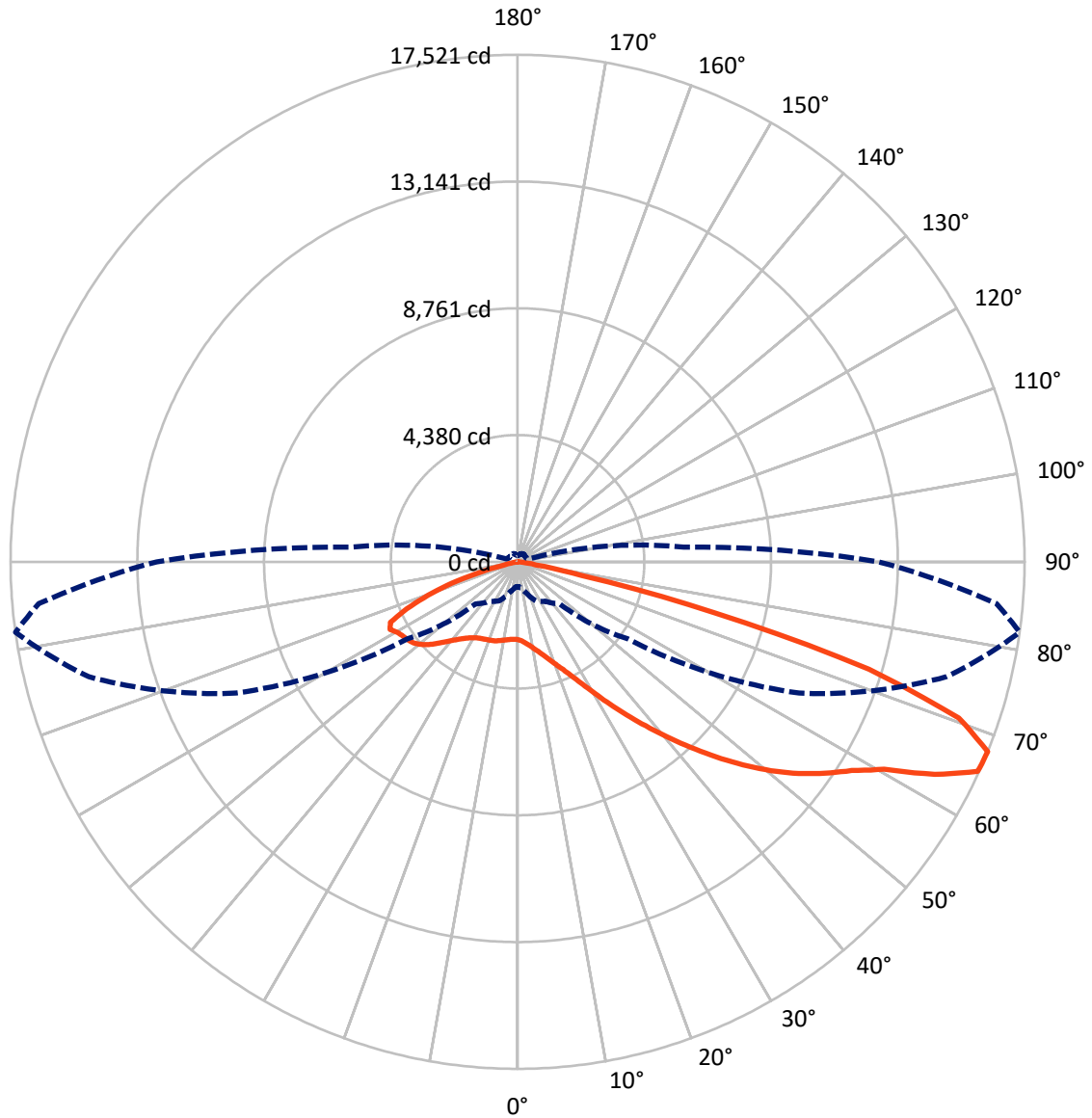
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	2941.2	0.0	2941.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	13295.8	0.0	13295.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	16237.0	0.0	16237.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.7	1.5
10°-20°	622.8	3.8
20°-30°	997.5	6.1
30°-40°	1763.8	10.9
40°-50°	3090.4	19.0
50°-60°	4121.7	25.4
60°-70°	3837.1	23.6
70°-80°	1472.7	9.1
80°-90°	91.5	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°	16237.0	100.0
0°-180°	16237.0	100.0

**Coefficient of Utilization**

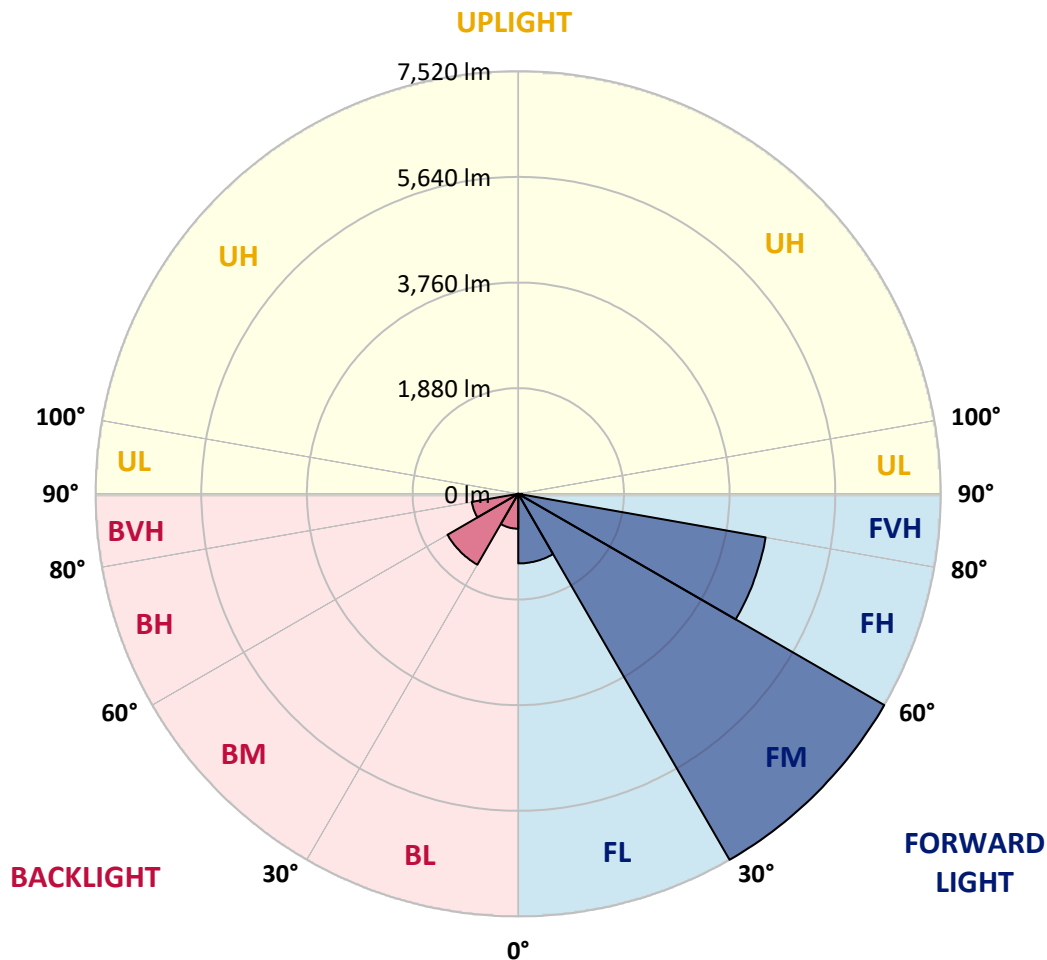


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1238.7	7.6			
FM (30°-60°)	7520.3	46.3			
FH (60°-80°)	4470.3	27.5			G2/5000
FVH (80°-90°)	66.5	0.4			G1/100
BL (0°-30°)	621.2	3.8	B2/1000		
BM (30°-60°)	1455.6	9.0	B2/2500		
BH (60°-80°)	839.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	25.0	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°	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9
2.5°	2843.1	2859.4	2850.1	2845.4	2837.2	2825.5	2816.2	2787.0	2756.6	2736.7
5°	2900.3	2916.7	2915.5	2920.2	2926.1	2929.6	2927.2	2894.5	2851.2	2817.3
7.5°	2851.2	2870.0	2885.1	2908.5	2949.4	2992.7	3013.7	3006.7	2962.3	2915.5
10°	2712.1	2732.0	2768.2	2823.2	2909.7	3003.2	3081.5	3117.8	3089.7	3038.3
12.5°	2457.3	2477.2	2548.5	2667.7	2812.7	2975.2	3124.8	3221.8	3228.8	3177.4
15°	2170.9	2190.7	2266.7	2416.4	2637.3	2898.0	3148.2	3331.7	3393.7	3349.3
17.5°	1993.2	2010.7	2068.0	2188.4	2418.7	2743.7	3140.0	3448.6	3590.1	3555.0
20°	1939.4	1954.6	1981.5	2065.7	2257.4	2583.5	3086.2	3558.5	3801.7	3781.8
22.5°	1996.7	2010.7	2018.9	2056.3	2176.7	2478.3	3018.4	3670.7	4047.2	4049.5
25°	2128.8	2142.8	2133.5	2156.8	2209.5	2445.6	2992.7	3802.8	4355.8	4381.5
27.5°	2346.2	2347.4	2325.2	2324.0	2332.2	2494.7	3019.6	3944.3	4745.1	4793.0
30°	2782.3	2764.7	2679.4	2587.0	2545.0	2642.0	3094.4	4111.5	5204.5	5289.8
32.5°	3454.5	3428.7	3272.1	3051.1	2829.0	2879.3	3228.8	4302.0	5704.8	5859.1
35°	4183.9	4176.9	4013.3	3684.8	3296.6	3217.2	3447.4	4552.2	6250.8	6496.3
37.5°	4862.0	4858.5	4764.9	4378.0	3905.7	3688.3	3798.2	4879.5	6835.3	7190.7
40°	5481.5	5492.1	5398.5	5052.5	4576.7	4292.7	4275.1	5284.0	7485.3	7947.0
42.5°	6017.0	6028.7	5934.0	5677.9	5239.6	4961.3	4860.8	5779.6	8120.0	8759.5
45°	6380.5	6453.0	6439.0	6234.4	5919.9	5631.2	5564.5	6401.6	8843.7	9621.1
47.5°	6483.4	6550.0	6655.2	6683.3	6491.6	6207.5	6287.0	7150.9	9575.5	10483.8
50°	6229.7	6291.7	6510.3	6801.4	6934.6	6847.0	6989.6	7954.0	10324.8	11344.2
52.5°	5729.4	5792.5	6068.4	6529.0	7072.6	7348.5	7694.5	8745.5	11050.8	12159.0
55°	5005.8	5072.4	5426.6	5948.0	6809.6	7555.4	8282.5	9535.7	11715.9	12892.0
57.5°	4021.4	4070.5	4438.8	5168.2	6147.9	7349.6	8716.2	10398.5	12342.5	13612.1
60°	2620.9	2664.2	3092.1	3905.7	5051.3	6662.3	8802.7	11360.6	13174.9	14548.5
62.5°	1743.0	1772.2	2025.9	2623.3	3557.3	5342.4	8296.6	12128.6	14395.3	16178.1
65°	1195.9	1225.1	1478.8	1895.0	2298.3	3534.0	6841.1	12026.9	15501.2	17472.2
67.5°	853.4	877.9	1093.0	1485.8	1663.5	2052.8	4637.5	10727.0	15342.3	17521.3
70°	611.4	625.4	803.1	1157.3	1322.2	1233.3	2578.9	8204.2	13433.2	16179.3
72.5°	427.9	432.5	557.6	881.4	1065.0	900.1	1227.5	5469.9	10160.0	12699.1
75°	289.9	295.8	375.3	646.5	854.6	687.4	650.0	2933.1	5964.4	7029.3
77.5°	177.7	180.0	242.0	441.9	639.5	523.7	418.5	1242.7	2307.7	2265.6
80°	100.5	100.5	154.3	274.7	436.0	337.8	293.4	528.4	730.6	641.8
82.5°	56.1	57.3	112.2	170.7	288.7	199.9	161.3	244.3	315.6	279.4
85°	23.4	25.7	69.0	80.7	137.9	99.4	65.5	102.9	116.9	104.0
87.5°	2.3	3.5	21.0	15.2	16.4	19.9	9.4	19.9	16.4	16.4
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°
2689.9	0°	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9	2689.9
2729.7	2.5°	2707.5	2689.9	2645.5	2594.1	2526.3	2493.5	2449.1	2418.7	2393.0	2395.3
2797.5	5°	2760.1	2715.6	2616.3	2492.4	2338.0	2228.2	2111.3	2030.6	1965.1	1951.1
2891.0	7.5°	2832.5	2762.4	2588.2	2364.9	2104.2	1906.7	1730.2	1616.8	1536.1	1510.4
3004.4	10°	2926.1	2824.4	2552.0	2204.8	1829.5	1578.2	1388.8	1300.0	1245.0	1226.3
3137.7	12.5°	3034.8	2895.7	2504.0	2009.6	1546.6	1304.6	1184.2	1139.8	1122.3	1116.4
3301.3	15°	3171.6	2984.5	2431.6	1778.1	1307.0	1137.5	1086.0	1080.2	1082.5	1080.2
3497.7	17.5°	3334.1	3081.5	2313.5	1539.6	1145.6	1052.1	1033.4	1038.1	1043.9	1042.8
3717.5	20°	3511.7	3177.4	2162.7	1328.0	1035.8	991.3	980.8	985.5	990.2	987.8
3971.2	22.5°	3714.0	3280.3	1995.5	1163.2	962.1	935.2	923.5	924.7	924.7	920.0
4292.7	25°	3956.0	3393.7	1820.2	1046.3	906.0	885.0	870.9	866.2	859.2	845.2
4683.1	27.5°	4244.7	3514.1	1651.8	964.4	861.6	841.7	825.3	813.6	796.1	772.7
5151.9	30°	4569.7	3660.2	1509.2	913.0	826.5	806.6	787.9	770.4	744.7	715.4
5690.8	32.5°	4952.0	3816.9	1405.2	879.1	794.9	773.9	751.7	730.6	702.6	673.4
6296.4	35°	5407.9	4006.2	1344.4	855.7	770.4	742.3	717.8	694.4	673.4	647.6
6954.5	37.5°	5902.4	4207.3	1325.7	844.0	754.0	710.8	682.7	666.3	664.0	648.8
7666.5	40°	6443.7	4445.8	1339.7	837.0	736.5	680.4	650.0	646.5	652.3	625.4
8427.5	42.5°	7016.5	4728.7	1363.1	828.8	711.9	650.0	620.8	620.8	616.1	578.7
9231.8	45°	7636.1	5054.9	1386.5	809.0	682.7	619.6	597.4	589.2	569.3	533.1
10040.7	47.5°	8260.3	5386.9	1404.0	772.7	647.6	593.9	574.0	555.3	526.1	493.3
10834.5	50°	8853.0	5685.0	1385.3	718.9	607.9	569.3	548.3	522.6	491.0	468.8
11586.2	52.5°	9382.6	5943.3	1305.8	655.8	565.8	543.6	524.9	498.0	472.3	448.9
12264.2	55°	9843.2	6152.6	1165.5	596.2	528.4	521.4	502.7	468.8	433.7	413.8
12936.4	57.5°	10285.1	6311.6	990.2	547.1	494.5	496.8	468.8	438.4	405.7	384.6
13842.4	60°	10873.1	6524.3	812.5	501.5	458.3	465.3	434.9	412.7	371.7	344.9
15396.0	62.5°	11813.0	6855.1	645.3	445.4	416.2	418.5	405.7	378.8	329.7	298.1
16547.5	65°	12558.8	6733.6	508.5	384.6	368.2	371.7	371.7	342.5	289.9	253.7
16609.5	67.5°	12474.6	5765.6	405.7	325.0	322.7	325.0	333.2	308.6	257.2	228.0
15344.6	70°	11491.5	4586.1	325.0	270.0	280.6	274.7	298.1	281.7	231.5	202.2
11896.0	72.5°	9376.7	3303.7	247.8	223.3	215.1	224.5	268.9	253.7	192.9	160.2
6301.0	75°	5479.2	1762.9	184.7	176.5	155.5	187.0	238.5	216.3	147.3	118.1
1931.2	77.5°	1783.9	614.9	135.6	129.8	115.7	150.8	203.4	182.4	120.4	93.5
565.8	80°	478.1	185.9	92.4	85.3	74.8	112.2	161.3	145.0	86.5	60.8
243.2	82.5°	191.7	78.3	53.8	47.9	40.9	77.2	127.4	116.9	64.3	38.6
76.0	85°	62.0	25.7	19.9	15.2	18.7	47.9	76.0	79.5	45.6	19.9
11.7	87.5°	8.2	3.5	3.5	4.7	3.5	8.2	23.4	22.2	12.9	2.3
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°
2689.9
2371.9
1919.5
1484.7
1212.3
1112.9
1079.0
1040.4
986.7
917.7
842.9
770.4
713.1
674.5
645.3
647.6
626.6
578.7
531.9
492.2
465.3
446.6
411.5
382.3
341.4
295.8
250.2
223.3
198.7
156.6
114.6
90.0
59.6
38.6
15.2
0.0
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