

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: P847405

Luminaire Tested: **GLAN-SB3C-727-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847405  
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-SB3C-727-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 615mA 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: 14592 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

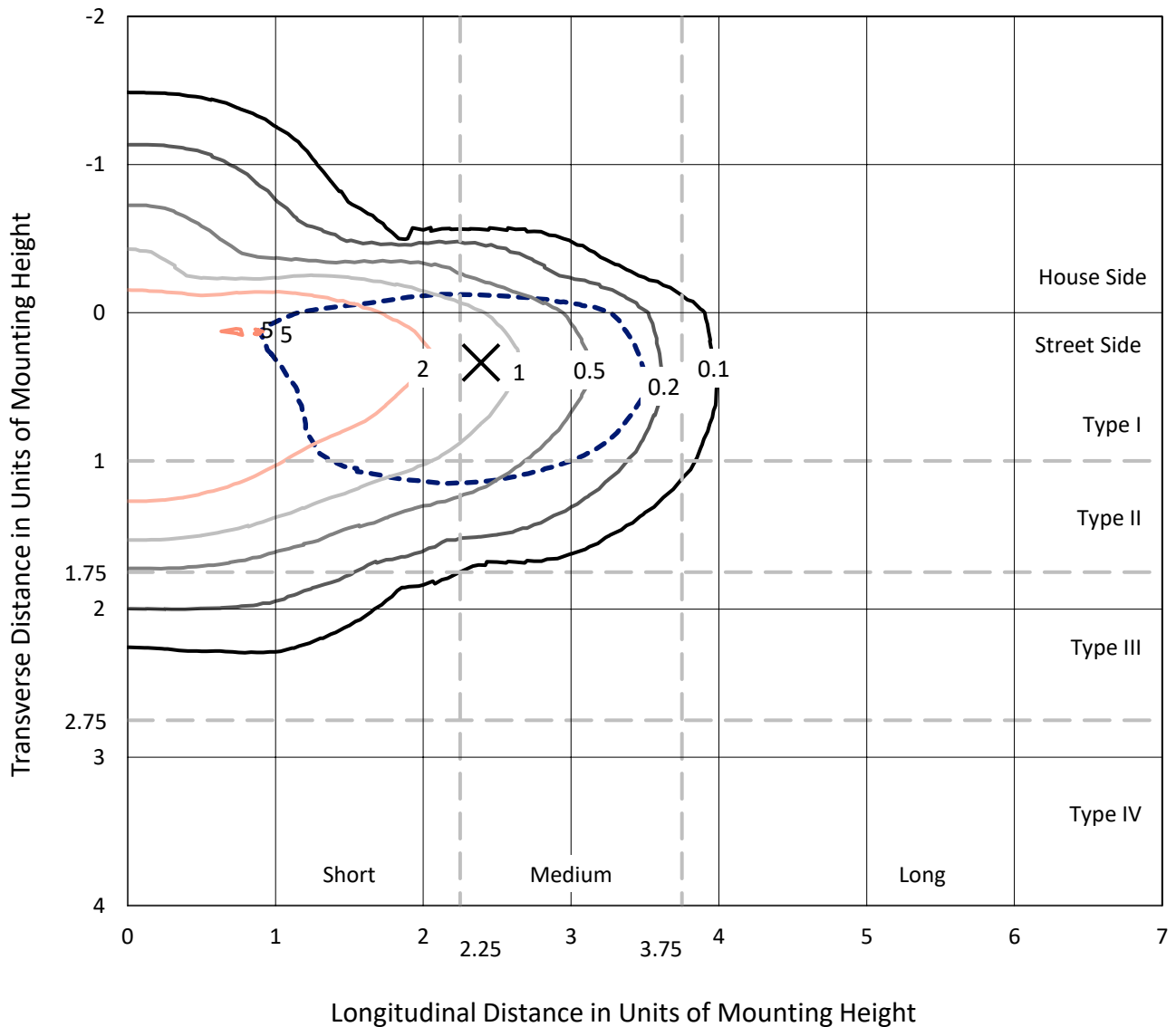
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

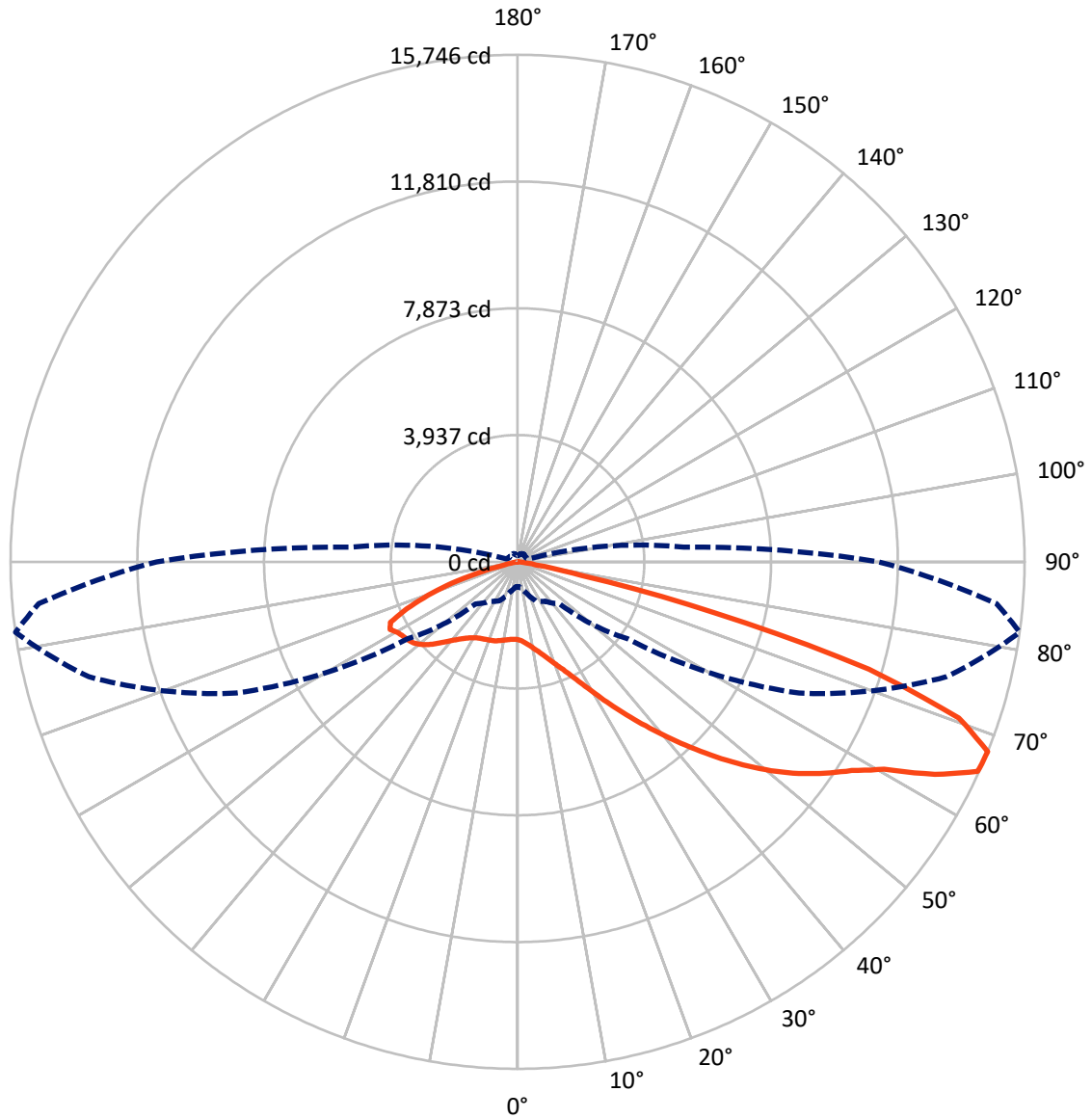
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type 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	2643.2	0.0	2643.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	11948.8	0.0	11948.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	14592.0	0.0	14592.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.4	1.5
10°-20°	559.7	3.8
20°-30°	896.4	6.1
30°-40°	1585.1	10.9
40°-50°	2777.3	19.0
50°-60°	3704.1	25.4
60°-70°	3448.4	23.6
70°-80°	1323.5	9.1
80°-90°	82.2	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°	14592.0	100.0
0°-180°	14592.0	100.0

**Coefficient of Utilization**

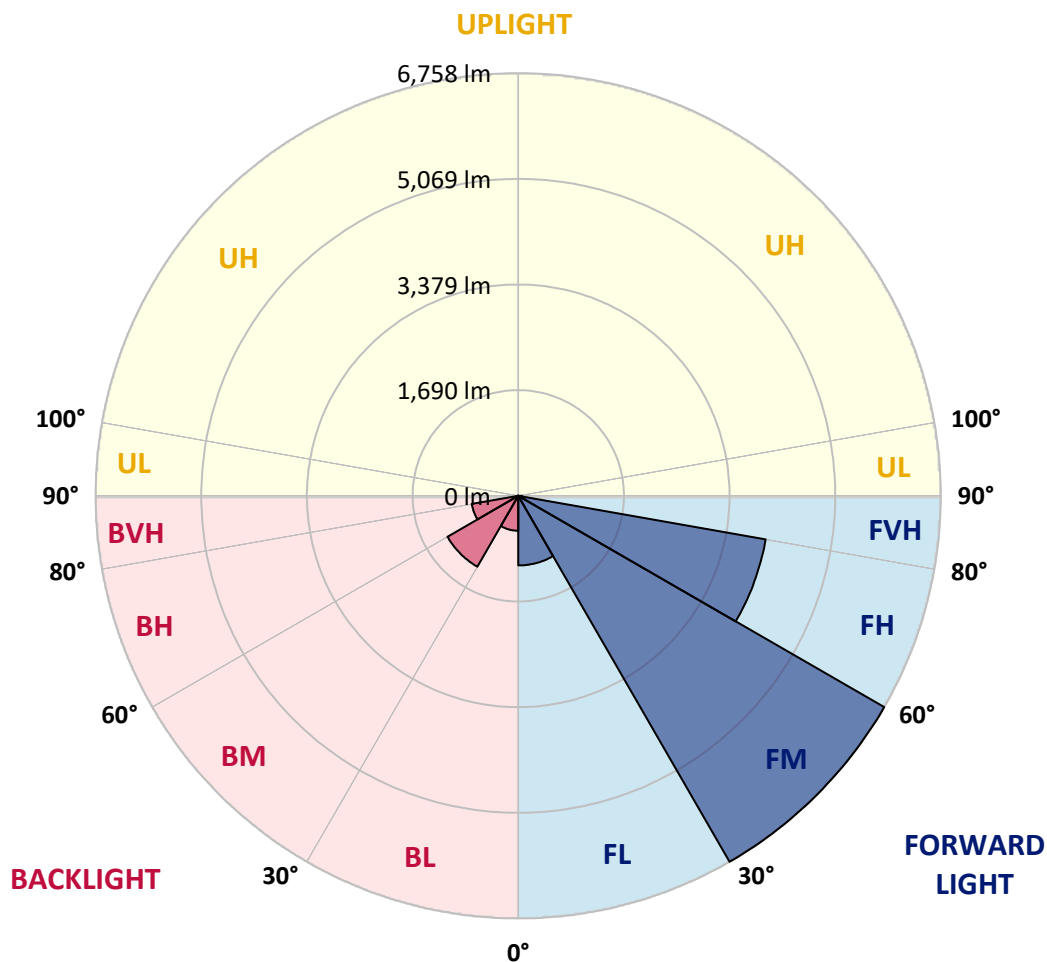


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1113.2	7.6			
FM (30°-60°)	6758.4	46.3			
FH (60°-80°)	4017.4	27.5			G2/5000
FVH (80°-90°)	59.8	0.4			G1/100
BL (0°-30°)	558.2	3.8	B2/1000		
BM (30°-60°)	1308.1	9.0	B2/2500		
BH (60°-80°)	754.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	22.4	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°	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4
2.5°	2555.0	2569.7	2561.3	2557.1	2549.8	2539.3	2530.9	2504.6	2477.3	2459.4
5°	2606.5	2621.2	2620.2	2624.4	2629.6	2632.8	2630.7	2601.3	2562.4	2531.9
7.5°	2562.4	2579.2	2592.8	2613.9	2650.6	2689.5	2708.4	2702.1	2662.2	2620.2
10°	2437.4	2455.2	2487.8	2537.2	2614.9	2699.0	2769.3	2801.9	2776.7	2730.5
12.5°	2208.3	2226.2	2290.3	2397.4	2527.7	2673.7	2808.2	2895.4	2901.7	2855.5
15°	1950.9	1968.8	2037.1	2171.6	2370.1	2604.4	2829.2	2994.2	3049.9	3009.9
17.5°	1791.3	1807.0	1858.5	1966.7	2173.7	2465.7	2821.9	3099.2	3226.4	3194.8
20°	1742.9	1756.6	1780.7	1856.4	2028.7	2321.8	2773.5	3198.0	3416.5	3398.6
22.5°	1794.4	1807.0	1814.4	1848.0	1956.2	2227.2	2712.6	3298.8	3637.1	3639.2
25°	1913.1	1925.7	1917.3	1938.3	1985.6	2197.8	2689.5	3417.6	3914.5	3937.6
27.5°	2108.5	2109.6	2089.6	2088.6	2095.9	2242.0	2713.7	3544.7	4264.3	4307.4
30°	2500.4	2484.6	2407.9	2324.9	2287.1	2374.3	2780.9	3694.9	4677.2	4753.9
32.5°	3104.5	3081.4	2940.6	2742.0	2542.4	2587.6	2901.7	3866.2	5126.9	5265.5
35°	3760.1	3753.7	3606.7	3311.5	2962.7	2891.2	3098.2	4091.0	5617.5	5838.1
37.5°	4369.4	4366.2	4282.2	3934.4	3510.0	3314.6	3413.4	4385.1	6142.8	6462.2
40°	4926.2	4935.7	4851.6	4540.6	4113.0	3857.8	3842.0	4748.7	6726.9	7141.9
42.5°	5407.4	5417.9	5332.8	5102.7	4708.7	4458.7	4368.3	5194.1	7297.4	7872.0
45°	5734.1	5799.2	5786.6	5602.8	5320.2	5060.7	5000.8	5753.0	7947.7	8646.3
47.5°	5826.6	5886.4	5981.0	6006.2	5833.9	5578.6	5650.1	6426.4	8605.4	9421.7
50°	5598.6	5654.3	5850.7	6112.3	6232.1	6153.3	6281.5	7148.2	9278.8	10194.9
52.5°	5148.9	5205.7	5453.6	5867.5	6356.1	6604.0	6915.0	7859.4	9931.2	10927.2
55°	4498.6	4558.5	4876.8	5345.4	6119.7	6789.9	7443.4	8569.6	10529.0	11585.9
57.5°	3614.0	3658.1	3989.1	4644.6	5525.0	6605.0	7833.2	9345.0	11092.1	12233.0
60°	2355.4	2394.3	2778.8	3510.0	4539.6	5987.3	7910.9	10209.6	11840.1	13074.6
62.5°	1566.4	1592.7	1820.7	2357.5	3196.9	4801.2	7456.0	10899.8	12936.9	14539.1
65°	1074.8	1101.0	1329.0	1703.0	2065.5	3175.9	6148.0	10808.4	13930.8	15702.1
67.5°	766.9	789.0	982.3	1335.3	1495.0	1844.8	4167.7	9640.2	13787.9	15746.2
70°	549.5	562.1	721.8	1040.1	1188.2	1108.4	2317.6	7373.0	12072.3	14540.1
72.5°	384.5	388.7	501.1	792.1	957.1	809.0	1103.1	4915.7	9130.7	11412.5
75°	260.5	265.8	337.2	581.0	768.0	617.7	584.1	2635.9	5360.1	6317.2
77.5°	159.7	161.8	217.5	397.1	574.7	470.7	376.1	1116.8	2073.9	2036.0
80°	90.4	90.4	138.7	246.9	391.9	303.6	263.7	474.9	656.6	576.8
82.5°	50.4	51.5	100.9	153.4	259.5	179.7	145.0	219.6	283.7	251.1
85°	21.0	23.1	62.0	72.5	124.0	89.3	58.8	92.5	105.1	93.5
87.5°	2.1	3.2	18.9	13.7	14.7	17.9	8.4	17.9	14.7	14.7
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°
2417.4	0°	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4	2417.4
2453.1	2.5°	2433.2	2417.4	2377.5	2331.3	2270.3	2240.9	2201.0	2173.7	2150.6	2152.7
2514.1	5°	2480.4	2440.5	2351.2	2239.9	2101.2	2002.4	1897.4	1824.9	1766.0	1753.4
2598.1	7.5°	2545.6	2482.5	2326.0	2125.3	1891.1	1713.5	1554.9	1453.0	1380.5	1357.4
2700.0	10°	2629.6	2538.2	2293.4	1981.4	1644.2	1418.3	1248.1	1168.3	1118.9	1102.1
2819.8	12.5°	2727.3	2602.3	2250.4	1806.0	1389.9	1172.5	1064.2	1024.3	1008.6	1003.3
2966.9	15°	2850.2	2682.1	2185.2	1597.9	1174.6	1022.2	976.0	970.7	972.8	970.7
3143.4	17.5°	2996.3	2769.3	2079.1	1383.6	1029.6	945.5	928.7	932.9	938.2	937.1
3340.9	20°	3156.0	2855.5	1943.6	1193.5	930.8	890.9	881.4	885.6	889.8	887.7
3568.8	22.5°	3337.7	2947.9	1793.4	1045.3	864.6	840.5	830.0	831.0	831.0	826.8
3857.8	25°	3555.2	3049.9	1635.8	940.3	814.2	795.3	782.7	778.5	772.2	759.6
4208.7	27.5°	3814.7	3158.1	1484.5	866.7	774.3	756.4	741.7	731.2	715.4	694.4
4629.9	30°	4106.7	3289.4	1356.3	820.5	742.8	724.9	708.1	692.3	669.2	643.0
5114.3	32.5°	4450.3	3430.2	1262.8	790.0	714.4	695.5	675.5	656.6	631.4	605.1
5658.5	35°	4860.0	3600.4	1208.2	769.0	692.3	667.1	645.1	624.0	605.1	582.0
6249.9	37.5°	5304.4	3781.1	1191.4	758.5	677.6	638.8	613.5	598.8	596.7	583.1
6889.7	40°	5790.8	3995.4	1204.0	752.2	661.9	611.4	584.1	581.0	586.2	562.1
7573.7	42.5°	6305.6	4249.6	1225.0	744.9	639.8	584.1	557.9	557.9	553.7	520.0
8296.5	45°	6862.4	4542.7	1246.0	727.0	613.5	556.8	536.8	529.5	511.6	479.1
9023.5	47.5°	7423.4	4841.1	1261.8	694.4	582.0	533.7	515.8	499.0	472.8	443.3
9736.8	50°	7956.1	5109.0	1244.9	646.1	546.3	511.6	492.7	469.6	441.2	421.3
10412.4	52.5°	8432.0	5341.2	1173.5	589.4	508.5	488.5	471.7	447.6	424.4	403.4
11021.7	55°	8845.9	5529.2	1047.4	535.8	474.9	468.6	451.8	421.3	389.8	371.9
11625.8	57.5°	9243.1	5672.1	889.8	491.7	444.4	446.5	421.3	394.0	364.6	345.6
12440.0	60°	9771.5	5863.3	730.2	450.7	411.8	418.1	390.8	370.9	334.1	309.9
13836.2	62.5°	10616.2	6160.6	579.9	400.3	374.0	376.1	364.6	340.4	296.3	267.9
14871.1	65°	11286.5	6051.4	457.0	345.6	330.9	334.1	334.1	307.8	260.5	228.0
14926.7	67.5°	11210.8	5181.5	364.6	292.1	290.0	292.1	299.4	277.4	231.1	204.9
13790.0	70°	10327.3	4121.5	292.1	242.7	252.1	246.9	267.9	253.2	208.0	181.8
10690.8	72.5°	8426.8	2969.0	222.7	200.7	193.3	201.7	241.6	228.0	173.3	143.9
5662.7	75°	4924.1	1584.3	166.0	158.6	139.7	168.1	214.3	194.4	132.4	106.1
1735.6	77.5°	1603.2	552.6	121.9	116.6	104.0	135.5	182.8	163.9	108.2	84.0
508.5	80°	429.7	167.0	83.0	76.7	67.2	100.9	145.0	130.3	77.7	54.6
218.5	82.5°	172.3	70.4	48.3	43.1	36.8	69.3	114.5	105.1	57.8	34.7
68.3	85°	55.7	23.1	17.9	13.7	16.8	43.1	68.3	71.4	41.0	17.9
10.5	87.5°	7.4	3.2	3.2	4.2	3.2	7.4	21.0	20.0	11.6	2.1
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°
2417.4
2131.6
1725.1
1334.2
1089.5
1000.2
969.7
935.0
886.7
824.7
757.5
692.3
640.9
606.2
579.9
582.0
563.1
520.0
478.0
442.3
418.1
401.3
369.8
343.5
306.8
265.8
224.8
200.7
178.6
140.8
103.0
80.9
53.6
34.7
13.7
0.0
0.0

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