

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: P851773

Luminaire Tested: **GLAN-SB9D-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851773  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61985 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

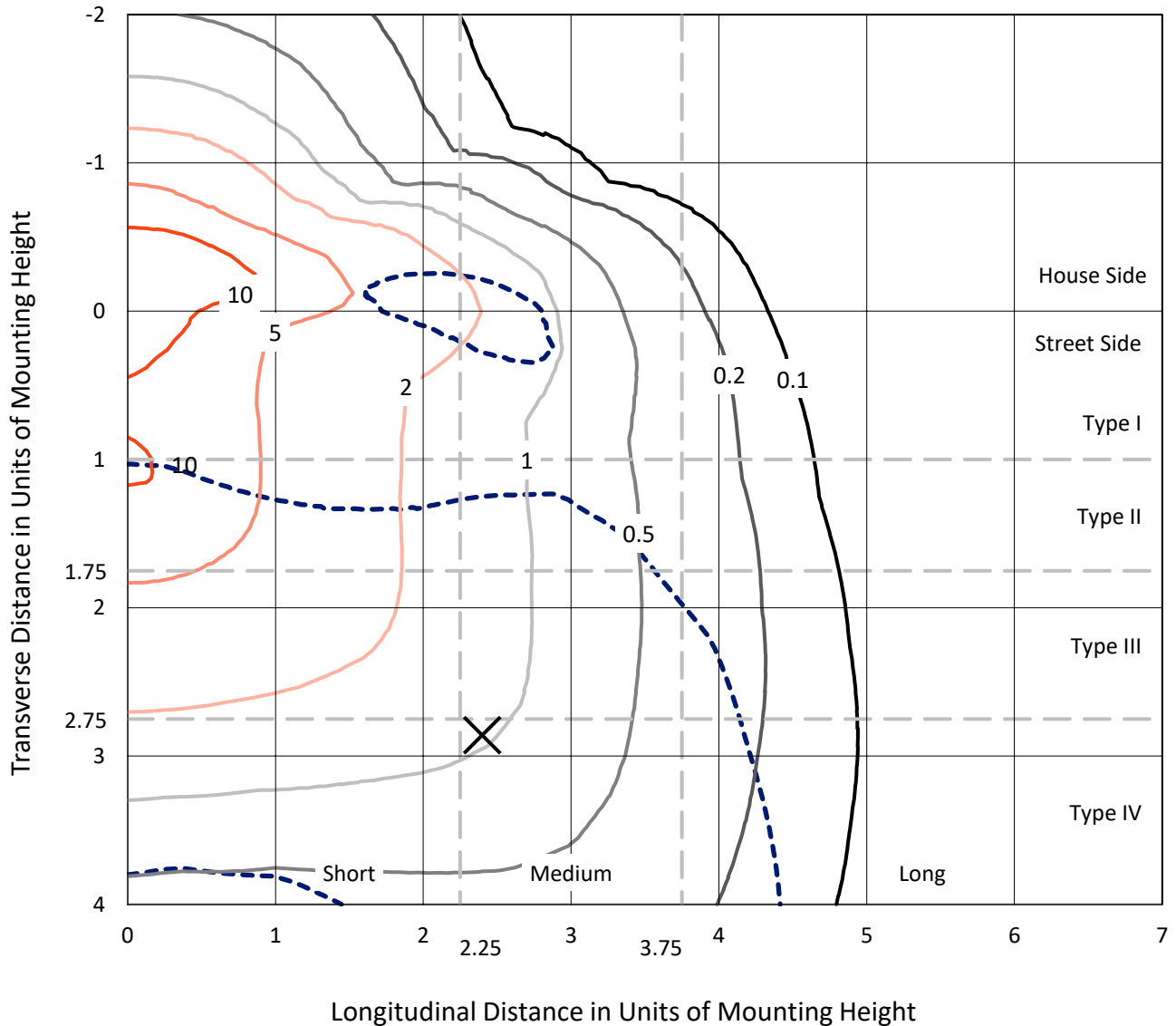
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

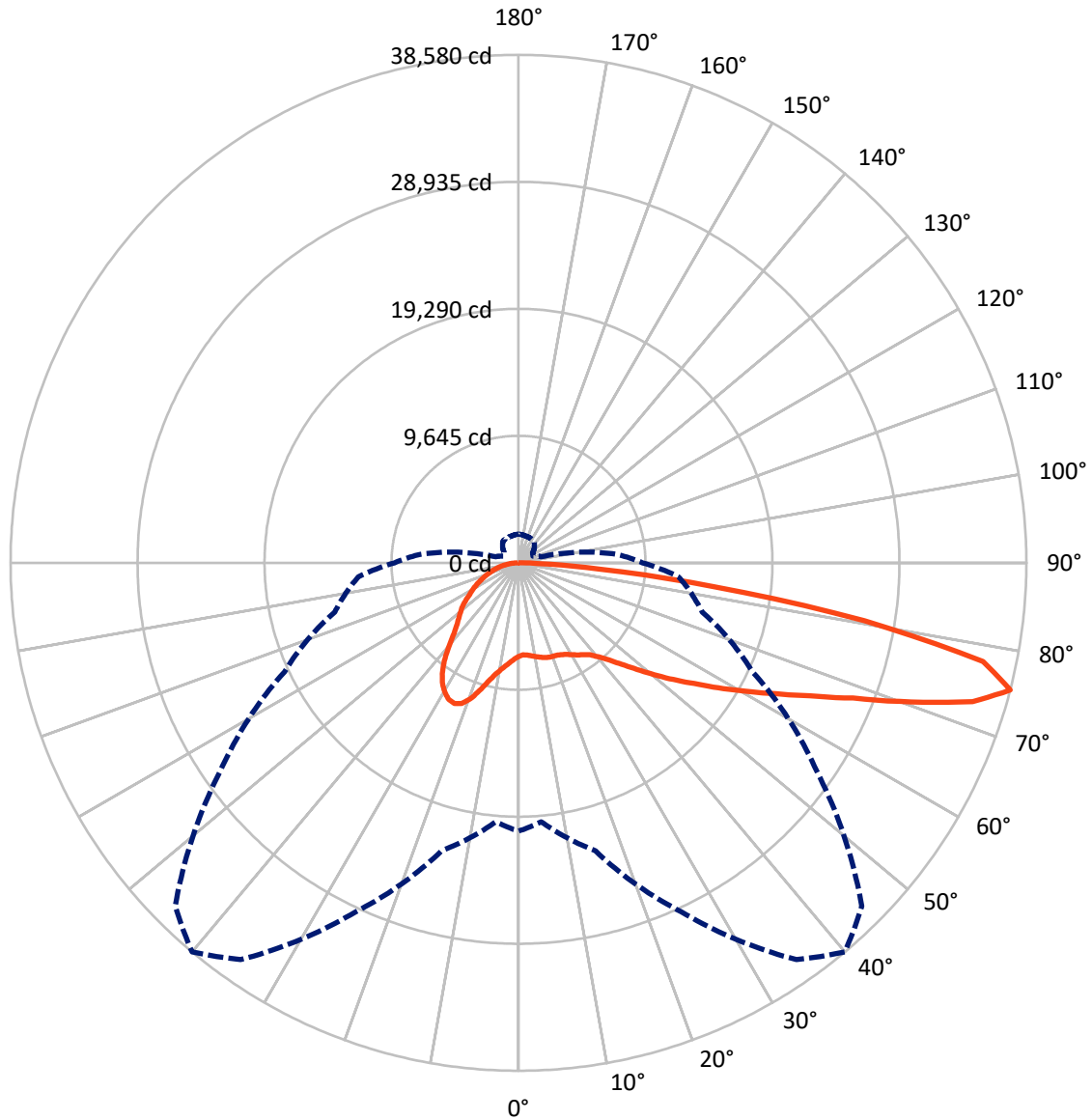
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19205.0	0.0	19205.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	42780.0	0.0	42780.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	61985.0	0.0	61985.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	707.5	1.1
10°-20°	2375.5	3.8
20°-30°	4337.4	7.0
30°-40°	6151.7	9.9
40°-50°	8306.6	13.4
50°-60°	11174.6	18.0
60°-70°	14183.2	22.9
70°-80°	12872.1	20.8
80°-90°	1876.3	3.0
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°	61985.0	100.0
0°-180°	61985.0	100.0

**Coefficient of Utilization**

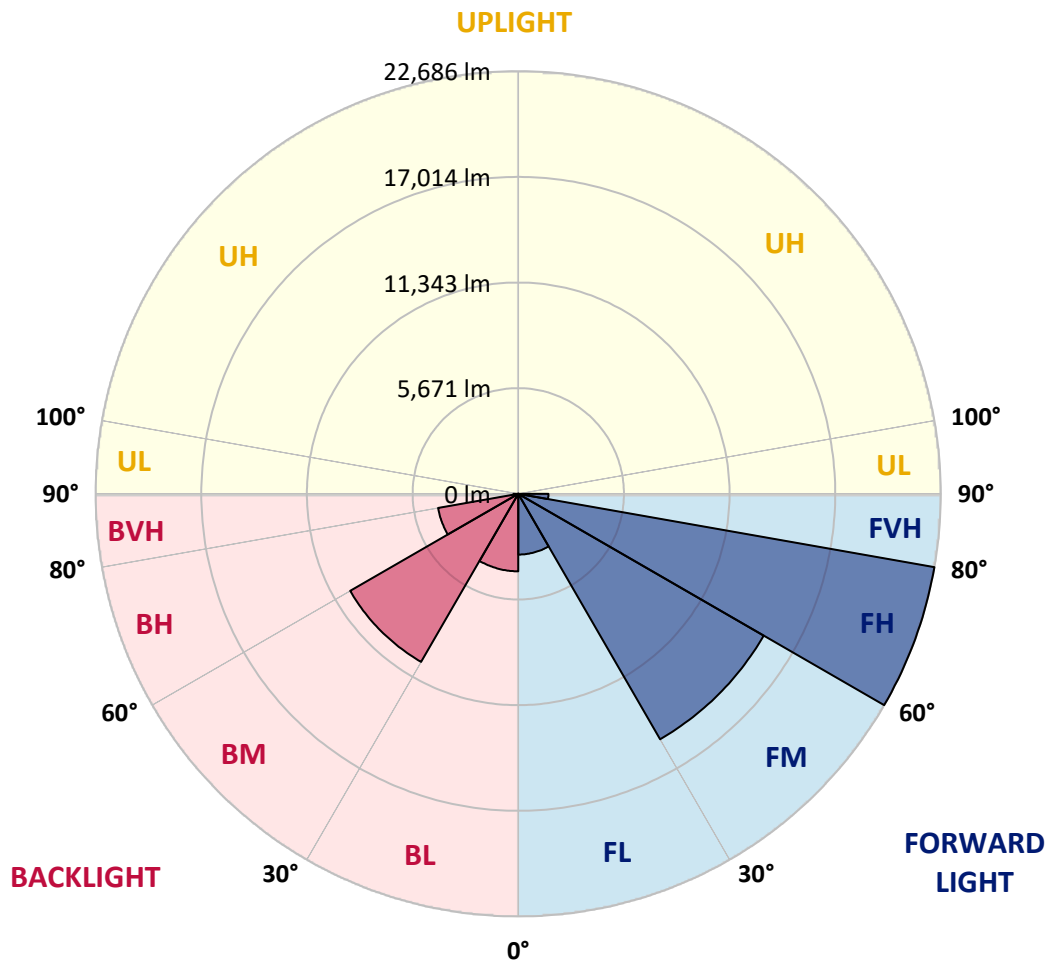


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3260.5	5.3			
FM (30°-60°)	15215.9	24.5			
FH (60°-80°)	22685.6	36.6			G5
FVH (80°-90°)	1618.0	2.6			G5
BL (0°-30°)	4160.0	6.7	B4/5000		
BM (30°-60°)	10417.0	16.8	B5		
BH (60°-80°)	4369.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	258.3	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1
2.5°	6979.6	7019.0	7009.2	6996.0	6996.0	6999.3	6996.0	7019.0	7042.0	7065.1
5°	7051.9	7091.4	7071.6	7055.2	7042.0	7038.8	7028.9	7025.6	7038.8	7068.3
7.5°	7193.3	7232.7	7203.1	7173.5	7147.2	7134.1	7120.9	7101.2	7091.4	7107.8
10°	7351.1	7390.5	7354.4	7301.8	7259.0	7242.6	7229.4	7209.7	7196.6	7206.4
12.5°	7508.9	7548.3	7499.0	7426.7	7370.8	7360.9	7344.5	7337.9	7334.6	7331.3
15°	7656.8	7689.7	7627.2	7541.8	7482.6	7466.1	7449.7	7459.6	7476.0	7495.7
17.5°	7771.9	7804.8	7712.7	7600.9	7545.0	7538.5	7528.6	7561.5	7607.5	7656.8
20°	7877.1	7910.0	7791.6	7640.4	7574.6	7574.6	7577.9	7647.0	7712.7	7785.0
22.5°	8025.0	8051.3	7906.7	7699.6	7604.2	7610.8	7637.1	7706.1	7788.3	7887.0
25°	8245.3	8265.0	8087.5	7811.3	7702.8	7722.6	7745.6	7778.5	7857.4	7972.4
27.5°	8600.4	8616.8	8383.4	8008.6	7844.2	7877.1	7910.0	7887.0	7923.1	8021.7
30°	9100.1	9109.9	8814.1	8317.6	8084.2	8100.6	8107.2	8011.9	7942.8	8021.7
32.5°	9691.8	9688.6	9336.8	8692.4	8357.1	8340.6	8284.8	8097.4	7936.3	8005.3
35°	10609.1	10572.9	10119.2	9218.4	8666.1	8564.2	8432.7	8192.7	7969.1	7988.9
37.5°	12128.0	12016.2	11388.2	10079.8	9126.4	8866.7	8672.7	8347.2	8041.5	7982.3
40°	13840.8	13699.4	13009.0	11260.0	9816.8	9399.3	9086.9	8567.5	8159.8	8011.9
42.5°	15872.5	15672.0	14929.0	12650.7	10691.3	10086.4	9616.2	8846.9	8334.1	8107.2
45°	18367.8	18101.5	17049.5	14218.9	11792.6	10987.2	10359.2	9271.0	8600.4	8291.3
47.5°	20889.4	20955.2	19459.3	16013.9	13114.2	12098.4	11289.6	9908.8	8988.3	8587.2
50°	23568.8	23614.8	21856.0	18002.9	14613.4	13354.2	12335.1	10622.2	9527.5	9008.0
52.5°	25659.7	25666.3	24032.4	20084.0	16175.0	14735.0	13462.7	11437.6	10152.1	9566.9
55°	26968.2	26951.8	25557.8	22053.2	17970.0	16184.9	14712.0	12364.7	10914.8	10224.4
57.5°	27918.3	27869.0	26609.8	23746.3	19883.4	17897.7	16125.7	13416.7	11815.6	11006.9
60°	28279.9	28250.4	27323.3	25209.3	21895.4	19791.4	17756.3	14593.7	12838.1	11930.7
62.5°	28418.0	28473.9	28023.5	26626.3	24048.8	21888.8	19548.1	16000.8	13988.7	12976.2
65°	28904.6	29006.5	28914.4	28480.5	26481.6	24344.7	21925.0	17674.1	15244.6	14097.2
67.5°	29867.9	29969.8	30009.2	30699.6	29453.6	27405.4	24890.4	19758.5	16714.2	15261.0
70°	29844.8	29815.3	30512.2	32465.1	33175.2	31643.2	28888.1	22322.8	18466.5	16227.6
72.5°	27165.4	26928.7	28575.8	32445.3	36272.1	36068.3	33770.2	25630.1	19978.8	16346.0
75°	20379.8	19748.6	22658.1	29239.9	36788.3	38580.0	36873.7	27681.6	19620.4	14442.4
77.5°	8715.4	8080.9	11509.9	21645.6	32925.3	36065.0	34026.7	24150.7	15662.1	9550.5
80°	2281.6	2278.3	3478.3	9813.5	22391.8	26632.9	23365.0	15596.4	8948.8	3412.5
82.5°	943.5	920.5	1278.9	3816.9	10941.1	14945.4	12197.0	6956.6	3231.7	923.8
85°	351.8	348.5	621.4	1318.3	3859.6	6164.3	4461.3	1778.6	805.5	450.4
87.5°	98.6	95.3	134.8	457.0	940.3	1426.8	762.7	292.6	226.8	177.5
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°
7088.1	0°	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1	7088.1
7101.2	2.5°	7111.1	7127.5	7157.1	7180.1	7209.7	7242.6	7288.6	7318.2	7347.8	7367.5
7117.7	5°	7140.7	7176.8	7252.4	7328.1	7416.8	7499.0	7594.4	7663.4	7719.3	7735.7
7176.8	7.5°	7206.4	7265.6	7393.8	7522.0	7663.4	7798.2	7936.3	8054.6	8150.0	8186.1
7282.0	10°	7321.5	7400.4	7581.2	7762.0	7949.4	8156.5	8334.1	8505.0	8639.8	8695.7
7407.0	12.5°	7466.1	7564.8	7801.5	8051.3	8311.1	8597.1	8827.2	9037.6	9205.3	9280.9
7581.2	15°	7653.5	7781.8	8084.2	8419.5	8800.9	9198.7	9491.3	9724.7	9912.1	10004.2
7762.0	17.5°	7857.4	8028.3	8409.7	8916.0	9461.7	9984.4	10326.4	10497.3	10691.3	10780.0
7929.7	20°	8054.6	8265.0	8810.8	9547.2	10273.8	10829.4	11105.5	11151.5	11164.7	11174.6
8087.5	22.5°	8258.5	8541.2	9313.8	10342.8	11122.0	11506.6	11546.1	11348.8	11072.6	10944.4
8242.0	25°	8482.0	8856.8	9971.3	11220.6	11851.8	11897.8	11595.4	11115.4	10592.6	10352.7
8366.9	27.5°	8699.0	9221.7	10760.3	12058.9	12377.8	11973.4	11322.5	10642.0	10010.7	9757.6
8455.7	30°	8916.0	9639.2	11631.5	12792.1	12617.8	11786.0	10891.8	10132.4	9497.9	9231.6
8534.6	32.5°	9136.2	10125.8	12634.2	13321.4	12575.1	11388.2	10355.9	9560.3	9001.5	8722.0
8603.7	35°	9386.1	10724.2	13584.4	13610.7	12289.1	10803.1	9649.1	8876.5	8390.0	8166.4
8685.8	37.5°	9711.6	11483.6	14422.7	13683.0	11789.3	9945.0	8771.3	8067.8	7666.7	7564.8
8807.5	40°	10115.9	12397.5	15063.8	13567.9	11049.6	8902.8	7811.3	7249.2	7022.3	7045.3
8971.9	42.5°	10642.0	13420.0	15514.2	13272.0	10020.6	7827.8	6969.7	6719.9	6828.3	6920.4
9218.4	45°	11325.8	14481.9	15793.6	12769.0	8856.8	6917.1	6473.3	6532.5	6614.7	6624.5
9616.2	47.5°	12200.3	15556.9	15977.7	12009.6	7670.0	6276.0	6157.7	6170.8	6154.4	6085.3
10211.3	50°	13291.8	16602.4	16142.1	11003.6	6660.7	5874.9	5717.1	5671.1	5444.3	5220.7
11003.6	52.5°	14534.5	17562.4	16211.2	9754.3	5874.9	5539.6	5283.2	4993.9	4569.8	4500.7
11999.7	55°	15915.3	18450.0	16033.6	8219.0	5214.1	5108.9	4721.0	4372.5	4326.5	4267.3
13311.5	57.5°	17565.7	19406.7	15672.0	6506.2	4536.9	4605.9	4227.9	4267.3	4185.1	4093.1
14998.0	60°	19370.5	20396.3	15037.5	4944.6	3836.6	3978.0	4099.6	4096.4	4073.3	3997.7
16776.6	62.5°	20994.6	21047.2	13788.2	3787.3	3221.8	3491.4	3823.5	3820.2	3800.5	3757.7
18634.1	65°	21961.2	20948.6	11703.9	2981.9	2715.6	3090.3	3448.7	3475.0	3478.3	3475.0
20031.4	67.5°	21790.2	19794.6	8843.6	2373.6	2298.0	2682.7	3077.2	3113.4	3139.7	3146.2
20208.9	70°	19857.1	17259.9	5766.5	1893.7	1926.5	2324.3	2725.4	2761.6	2784.6	2810.9
17536.1	72.5°	15478.0	12690.1	3300.8	1532.0	1601.1	2015.3	2376.9	2419.7	2432.8	2482.1
12203.6	75°	9432.1	7462.9	1781.9	1206.5	1315.0	1722.7	2031.7	2081.1	2104.1	2163.2
5993.3	77.5°	4484.3	3231.7	1015.9	940.3	1058.6	1407.1	1716.1	1772.0	1709.6	1742.4
1653.7	80°	1515.6	1200.0	641.1	716.7	808.7	1098.1	1374.2	1430.1	1298.6	1292.0
549.0	82.5°	529.3	486.6	407.7	476.7	522.7	785.7	1038.9	1111.2	966.6	963.3
246.6	85°	207.1	197.3	226.8	259.7	312.3	483.3	683.8	720.0	595.1	480.0
72.3	87.5°	42.7	46.0	55.9	59.2	95.3	167.7	246.6	302.5	240.0	203.8
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°
7088.1
7354.4
7742.3
8189.4
8699.0
9280.9
9997.6
10776.8
11200.9
10980.6
10388.8
9787.2
9261.2
8758.2
8215.7
7637.1
7124.2
7005.9
6690.3
6138.0
5250.3
4523.7
4277.2
4076.6
3971.4
3741.3
3475.0
3152.8
2824.0
2501.9
2169.8
1716.1
1278.9
917.2
473.4
187.4
0.0

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