

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: P849795

Luminaire Tested: **GLAN-SB7A-730-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849795  
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-SB7A-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 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: 22502 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

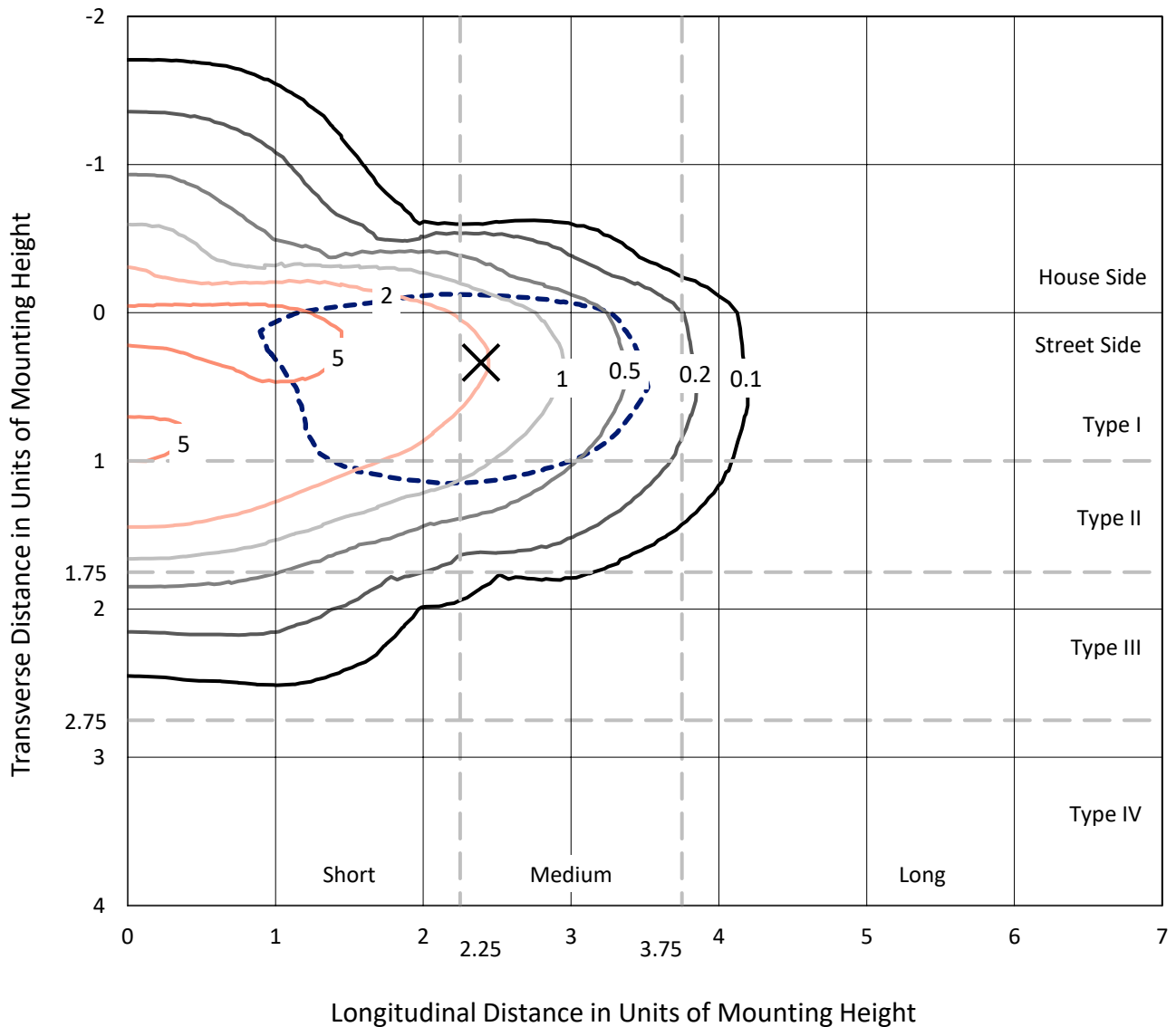
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

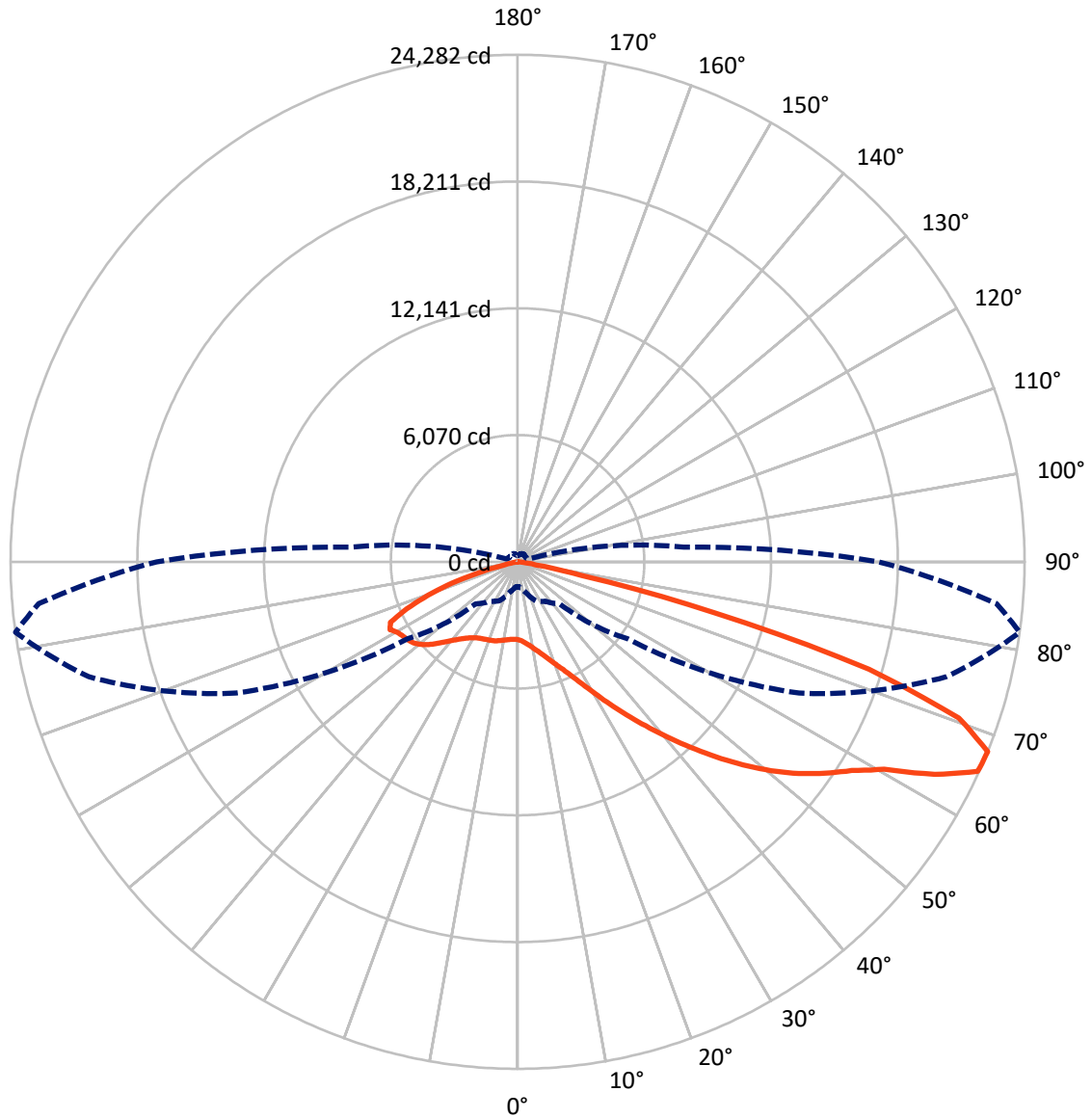
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	4076.0	0.0	4076.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	18426.0	0.0	18426.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	22502.0	0.0	22502.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.1	1.5
10°-20°	863.1	3.8
20°-30°	1382.3	6.1
30°-40°	2444.4	10.9
40°-50°	4282.8	19.0
50°-60°	5712.0	25.4
60°-70°	5317.6	23.6
70°-80°	2040.9	9.1
80°-90°	126.8	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°	22502.0	100.0
0°-180°	22502.0	100.0

**Coefficient of Utilization**

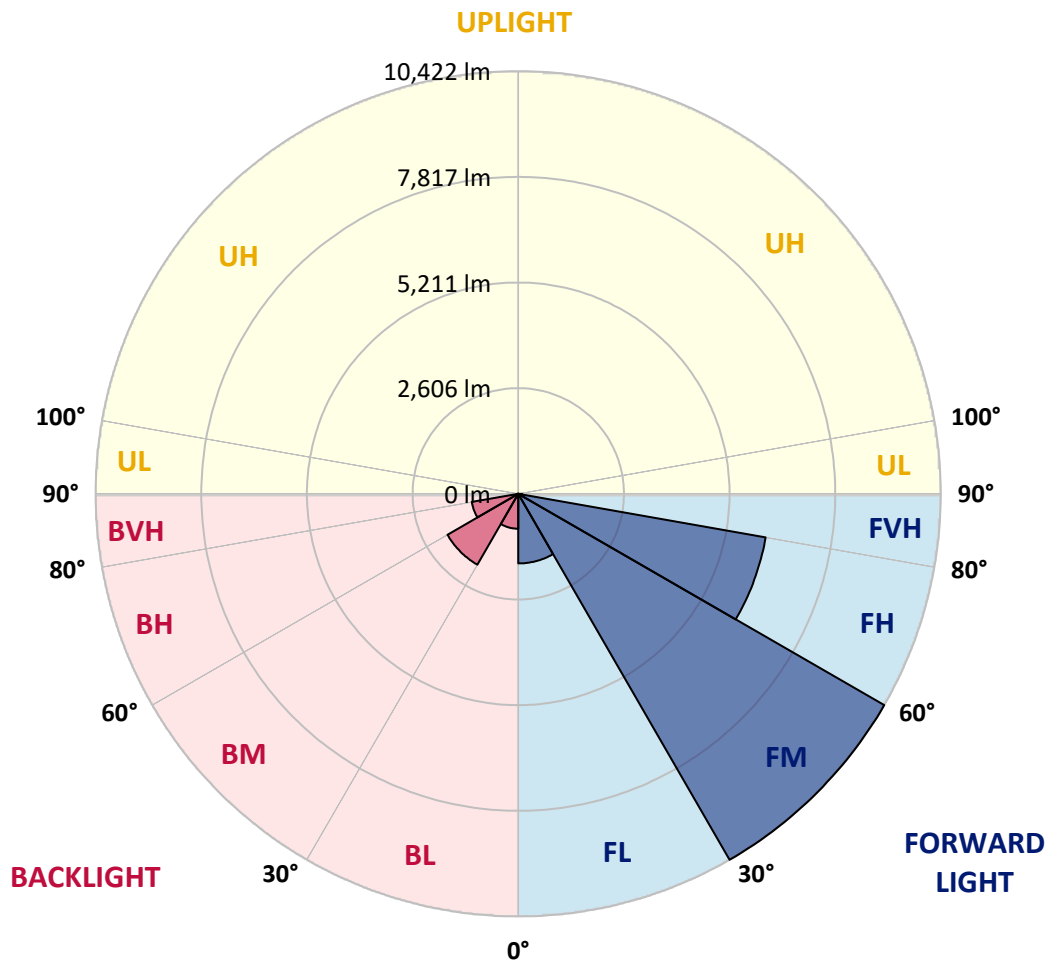


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1716.7	7.6			
FM (30°-60°)	10422.0	46.3			
FH (60°-80°)	6195.1	27.5			G3/7500
FVH (80°-90°)	92.2	0.4			G1/100
BL (0°-30°)	860.9	3.8	B2/1000		
BM (30°-60°)	2017.2	9.0	B2/2500		
BH (60°-80°)	1163.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	34.6	0.2			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8
2.5°	3940.1	3962.7	3949.8	3943.3	3932.0	3915.7	3902.8	3862.3	3820.2	3792.6
5°	4019.4	4042.1	4040.5	4047.0	4055.1	4059.9	4056.7	4011.3	3951.4	3904.4
7.5°	3951.4	3977.3	3998.4	4030.8	4087.5	4147.4	4176.6	4166.9	4105.3	4040.5
10°	3758.6	3786.1	3836.4	3912.5	4032.4	4162.0	4270.5	4320.8	4281.9	4210.6
12.5°	3405.4	3433.0	3531.8	3697.0	3897.9	4123.1	4330.5	4465.0	4474.7	4403.4
15°	3008.5	3036.0	3141.3	3348.7	3654.9	4016.2	4362.9	4617.2	4703.1	4641.5
17.5°	2762.2	2786.5	2865.9	3032.8	3352.0	3802.3	4351.6	4779.3	4975.3	4926.7
20°	2687.7	2708.8	2746.0	2862.7	3128.4	3580.4	4277.0	4931.5	5268.5	5241.0
22.5°	2767.1	2786.5	2797.9	2849.7	3016.6	3434.6	4183.1	5087.1	5608.7	5612.0
25°	2950.2	2969.6	2956.7	2989.1	3062.0	3389.2	4147.4	5270.1	6036.4	6072.1
27.5°	3251.5	3253.1	3222.4	3220.7	3232.1	3457.3	4184.7	5466.2	6575.9	6642.4
30°	3855.8	3831.5	3713.2	3585.3	3526.9	3661.4	4288.4	5697.8	7212.6	7330.9
32.5°	4787.4	4751.7	4534.6	4228.4	3920.6	3990.3	4474.7	5961.9	7906.0	8119.9
35°	5798.3	5788.6	5561.8	5106.5	4568.6	4458.5	4777.6	6308.6	8662.6	9002.8
37.5°	6737.9	6733.1	6603.5	6067.2	5412.7	5111.4	5263.7	6762.2	9472.6	9965.2
40°	7596.6	7611.2	7481.6	7002.0	6342.6	5949.0	5924.7	7322.8	10373.4	11013.4
42.5°	8338.6	8354.8	8223.6	7868.8	7261.2	6875.6	6736.3	8009.7	11253.1	12139.3
45°	8842.4	8942.9	8923.4	8639.9	8204.1	7804.0	7711.6	8871.6	12256.0	13333.3
47.5°	8985.0	9077.3	9223.2	9262.0	8996.3	8602.7	8712.8	9910.1	13270.1	14528.9
50°	8633.4	8719.3	9022.3	9425.7	9610.4	9488.8	9686.5	11023.1	14308.6	15721.3
52.5°	7940.0	8027.5	8409.9	9048.2	9801.5	10183.9	10663.4	12119.9	15314.7	16850.5
55°	6937.2	7029.6	7520.4	8243.0	9437.0	10470.6	11478.3	13215.0	16236.5	17866.3
57.5°	5573.1	5641.1	6151.5	7162.4	8520.0	10185.5	12079.4	14410.7	17104.9	18864.3
60°	3632.2	3692.2	4285.1	5412.7	7000.4	9232.9	12199.3	15744.0	18258.4	20162.0
62.5°	2415.5	2456.1	2807.6	3635.5	4929.9	7403.8	11497.8	16808.4	19949.7	22420.4
65°	1657.3	1697.9	2049.4	2626.2	3185.1	4897.5	9480.7	16667.5	21482.4	24213.8
67.5°	1182.7	1216.7	1514.8	2059.1	2305.4	2844.9	6426.9	14865.9	21262.0	24281.9
70°	847.3	866.7	1113.0	1603.9	1832.3	1709.2	3573.9	11369.8	18616.4	22422.0
72.5°	593.0	599.4	772.8	1221.5	1475.9	1247.5	1701.1	7580.4	14080.2	17599.0
75°	401.8	409.9	520.0	895.9	1184.3	952.6	900.8	4064.8	8265.7	9741.6
77.5°	246.3	249.5	335.4	612.4	886.2	725.8	580.0	1722.2	3198.1	3139.7
80°	139.3	139.3	213.9	380.7	604.3	468.2	406.6	732.3	1012.6	889.4
82.5°	77.8	79.4	155.5	236.5	400.2	277.0	223.6	338.6	437.4	387.2
85°	32.4	35.6	95.6	111.8	191.2	137.7	90.7	142.6	162.0	144.2
87.5°	3.2	4.9	29.2	21.1	22.7	27.5	13.0	27.5	22.7	22.7
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°
3727.8	0°	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8	3727.8
3782.9	2.5°	3752.1	3727.8	3666.3	3595.0	3501.0	3455.6	3394.1	3352.0	3316.3	3319.6
3876.9	5°	3825.0	3763.5	3625.8	3454.0	3240.2	3087.9	2925.9	2814.1	2723.4	2703.9
4006.5	7.5°	3925.5	3828.3	3586.9	3277.4	2916.2	2642.4	2397.7	2240.6	2128.8	2093.2
4163.6	10°	4055.1	3914.1	3536.6	3055.5	2535.4	2187.1	1924.7	1801.5	1725.4	1699.5
4348.3	12.5°	4205.7	4013.0	3470.2	2784.9	2143.4	1808.0	1641.1	1579.6	1555.3	1547.2
4575.1	15°	4395.3	4136.1	3369.8	2464.2	1811.3	1576.3	1505.1	1497.0	1500.2	1497.0
4847.3	17.5°	4620.5	4270.5	3206.2	2133.7	1587.7	1458.1	1432.2	1438.6	1446.7	1445.1
5151.9	20°	4866.7	4403.4	2997.2	1840.4	1435.4	1373.8	1359.3	1365.7	1372.2	1369.0
5503.4	22.5°	5147.0	4546.0	2765.5	1612.0	1333.3	1296.1	1279.9	1281.5	1281.5	1275.0
5949.0	25°	5482.4	4703.1	2522.5	1450.0	1255.6	1226.4	1207.0	1200.5	1190.8	1171.3
6490.1	27.5°	5882.5	4870.0	2289.2	1336.6	1194.0	1166.5	1143.8	1127.6	1103.3	1070.9
7139.7	30°	6332.9	5072.5	2091.5	1265.3	1145.4	1117.9	1091.9	1067.6	1032.0	991.5
7886.6	32.5°	6862.7	5289.6	1947.3	1218.3	1101.7	1072.5	1041.7	1012.6	973.7	933.2
8725.8	35°	7494.5	5552.0	1863.1	1185.9	1067.6	1028.8	994.7	962.3	933.2	897.5
9637.9	37.5°	8179.8	5830.7	1837.2	1169.7	1045.0	985.0	946.1	923.4	920.2	899.1
10624.5	40°	8929.9	6161.2	1856.6	1160.0	1020.7	942.9	900.8	895.9	904.0	866.7
11679.2	42.5°	9723.8	6553.3	1889.0	1148.6	986.6	900.8	860.3	860.3	853.8	801.9
12793.8	45°	10582.4	7005.3	1921.4	1121.1	946.1	858.6	827.9	816.5	789.0	738.8
13914.9	47.5°	11447.5	7465.4	1945.7	1070.9	897.5	823.0	795.5	769.5	729.0	683.7
15015.0	50°	12268.9	7878.5	1919.8	996.4	842.4	789.0	759.8	724.2	680.4	649.7
16056.7	52.5°	13002.8	8236.5	1809.6	908.9	784.1	753.3	727.4	690.2	654.5	622.1
16996.3	55°	13641.1	8526.5	1615.2	826.2	732.3	722.6	696.6	649.7	601.1	573.5
17927.9	57.5°	14253.5	8746.8	1372.2	758.2	685.3	688.5	649.7	607.5	562.2	533.0
19183.4	60°	15068.4	9041.7	1126.0	695.0	635.1	644.8	602.7	571.9	515.2	477.9
21336.5	62.5°	16371.0	9500.2	894.3	617.3	576.8	580.0	562.2	524.9	456.9	413.1
22932.3	65°	17404.6	9331.7	704.7	533.0	510.3	515.2	515.2	474.7	401.8	351.6
23018.2	67.5°	17287.9	7990.3	562.2	450.4	447.1	450.4	461.7	427.7	356.4	315.9
21265.3	70°	15925.5	6355.6	450.4	374.2	388.8	380.7	413.1	390.4	320.8	280.3
16486.0	72.5°	12994.7	4578.4	343.5	309.4	298.1	311.1	372.6	351.6	267.3	222.0
8732.3	75°	7593.3	2443.1	256.0	244.6	215.5	259.2	330.5	299.7	204.1	163.6
2676.4	77.5°	2472.3	852.2	187.9	179.8	160.4	209.0	281.9	252.7	166.9	129.6
784.1	80°	662.6	257.6	128.0	118.3	103.7	155.5	223.6	200.9	119.9	84.2
337.0	82.5°	265.7	108.5	74.5	66.4	56.7	106.9	176.6	162.0	89.1	53.5
105.3	85°	85.9	35.6	27.5	21.1	25.9	66.4	105.3	110.2	63.2	27.5
16.2	87.5°	11.3	4.9	4.9	6.5	4.9	11.3	32.4	30.8	17.8	3.2
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°
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3727.8
3287.2
2660.2
2057.5
1680.0
1542.3
1495.3
1441.9
1367.4
1271.8
1168.1
1067.6
988.3
934.8
894.3
897.5
868.4
801.9
737.1
682.1
644.8
618.9
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