

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: P850478

Luminaire Tested: **GLAN-SB8A-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850478  
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-SB8A-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35062 lumens  
Efficiency: N/A  
Efficacy: 154.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

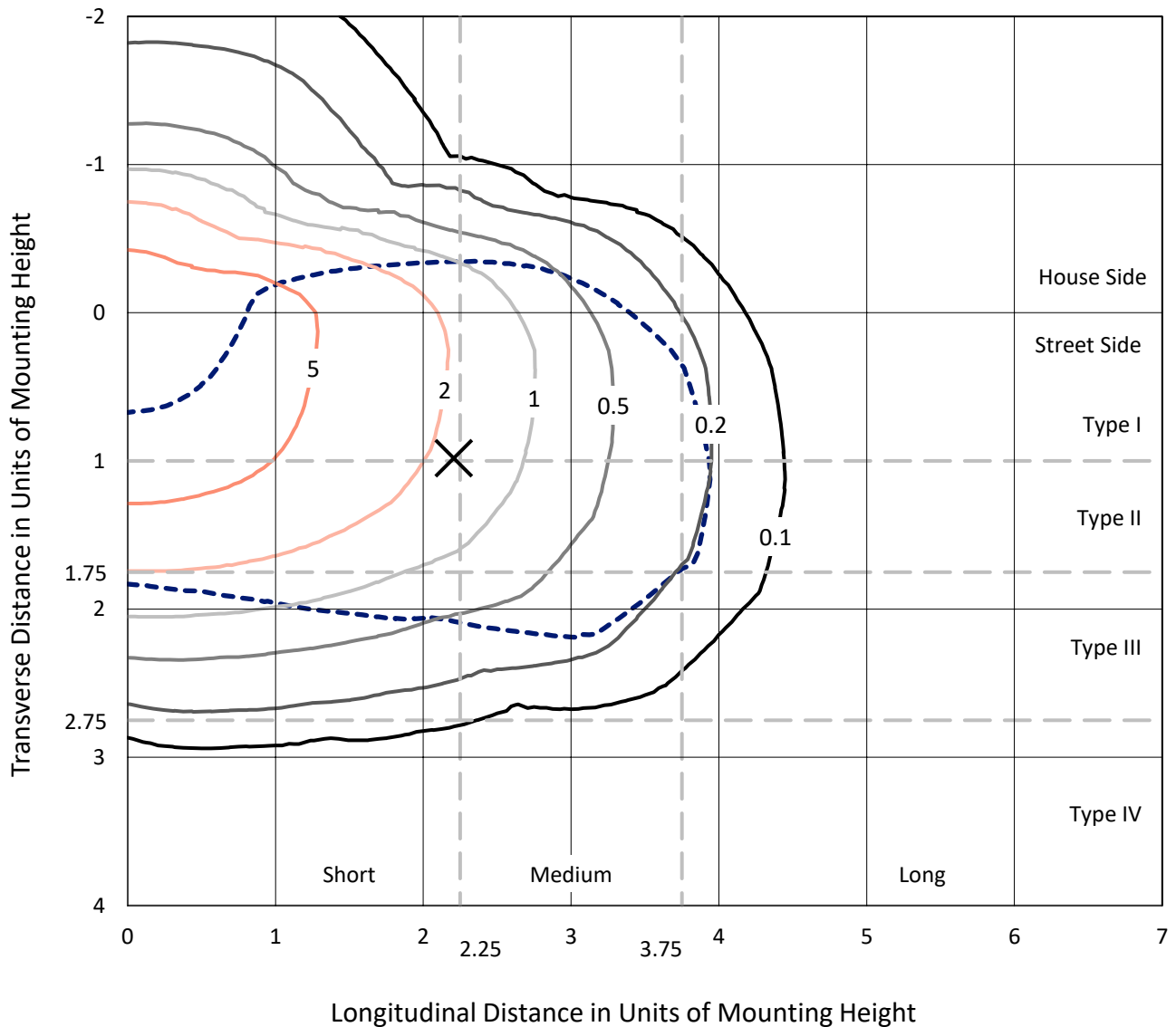
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

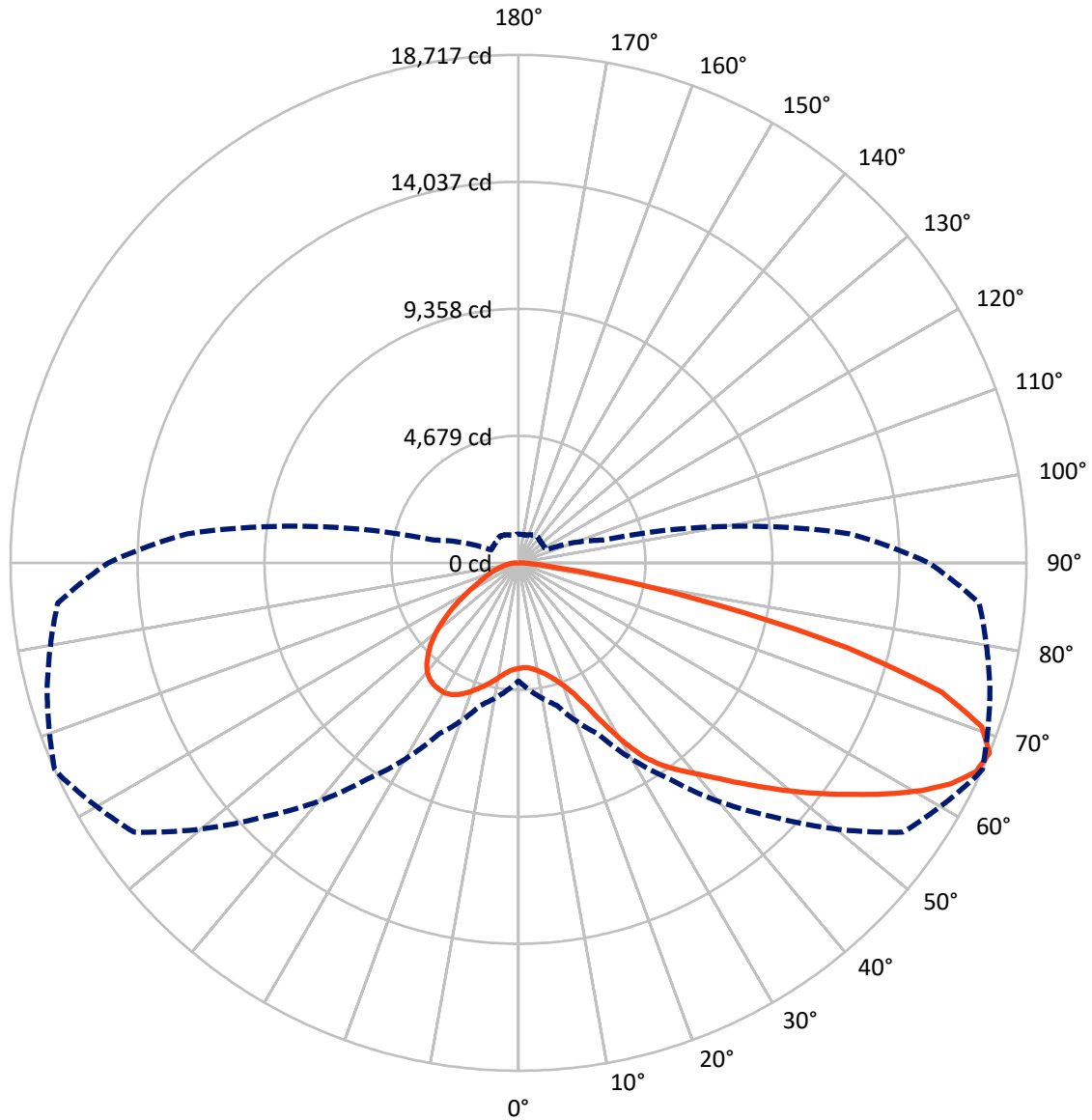
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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
<b>House Side</b>	Lumens	8718.1	0.0	8718.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	26343.9	0.0	26343.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	35062.0	0.0	35062.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.6	1.1
10°-20°	1273.8	3.6
20°-30°	2455.3	7.0
30°-40°	4305.0	12.3
40°-50°	6400.1	18.3
50°-60°	8112.8	23.1
60°-70°	7938.1	22.6
70°-80°	3786.6	10.8
80°-90°	404.7	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°	35062.0	100.0
0°-180°	35062.0	100.0

**Coefficient of Utilization**

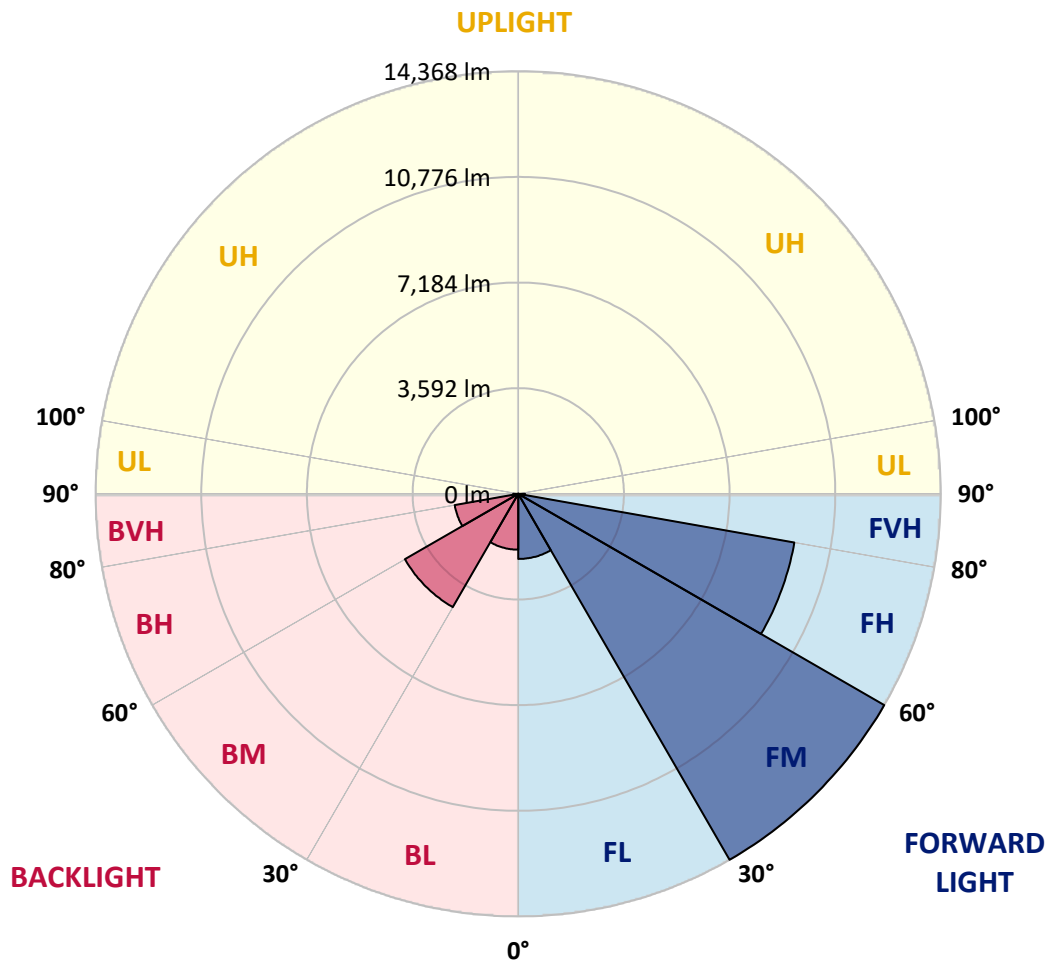


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2215.6	6.3			
FM (30°-60°)	14368.1	41.0			
FH (60°-80°)	9530.8	27.2			G4/12000
FVH (80°-90°)	229.4	0.7			G3/500
BL (0°-30°)	1899.1	5.4	B3/2500		
BM (30°-60°)	4449.8	12.7	B3/5000		
BH (60°-80°)	2193.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	175.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8
2.5°	3848.3	3870.4	3864.9	3855.7	3853.8	3857.5	3863.0	3868.6	3866.7	3875.9
5°	3837.3	3859.4	3857.5	3857.5	3864.9	3879.6	3888.8	3898.1	3888.8	3899.9
7.5°	3844.6	3861.2	3868.6	3875.9	3894.4	3922.0	3944.1	3964.4	3953.3	3966.2
10°	3938.6	3951.5	3958.8	3958.8	3971.7	4003.1	4025.2	4062.0	4052.8	4073.1
12.5°	4109.9	4122.8	4122.8	4115.4	4124.6	4144.9	4152.3	4192.8	4176.2	4209.4
15°	4319.9	4345.7	4325.4	4312.5	4316.2	4336.5	4334.6	4366.0	4349.4	4377.0
17.5°	4552.0	4585.2	4552.0	4550.2	4542.8	4564.9	4566.8	4594.4	4564.9	4585.2
20°	4826.5	4872.6	4844.9	4854.1	4837.6	4846.8	4856.0	4896.5	4850.5	4865.2
22.5°	5213.4	5268.6	5239.2	5274.2	5263.1	5255.7	5253.9	5325.7	5253.9	5259.4
25°	5777.1	5843.4	5791.8	5839.7	5839.7	5863.7	5891.3	5983.4	5863.7	5828.7
27.5°	6609.7	6676.1	6574.7	6604.2	6595.0	6653.9	6624.5	6852.9	6724.0	6666.8
30°	7611.9	7729.8	7538.2	7530.8	7521.6	7615.6	7657.9	7809.0	7678.2	7621.1
32.5°	8695.1	8818.5	8590.1	8523.8	8488.8	8545.9	8510.9	8632.4	8542.2	8453.8
35°	9840.9	9962.5	9745.1	9616.2	9476.2	9356.4	9231.2	9262.5	9177.7	9043.3
37.5°	10924.1	11147.0	10916.8	10778.6	10520.7	10286.7	9936.7	9791.2	9712.0	9588.5
40°	12027.6	12154.7	11979.7	11861.8	11581.8	11215.2	10655.2	10347.5	10240.7	10120.9
42.5°	12840.0	12961.6	12867.6	12786.6	12567.3	12141.8	11417.8	11032.8	10878.1	10743.6
45°	13484.7	13575.0	13516.1	13545.5	13451.6	13038.9	12208.1	11767.8	11607.6	11443.6
47.5°	13744.5	13840.3	13934.2	14109.2	14269.5	13965.6	13057.4	12563.7	12394.2	12226.5
50°	13715.0	13812.7	14085.3	14457.4	14954.8	14853.5	13952.7	13411.1	13254.5	13062.9
52.5°	13479.2	13589.8	13939.8	14558.7	15350.9	15518.5	14864.5	14286.1	14138.7	13910.3
55°	12860.2	12926.6	13451.6	14328.5	15444.8	15982.7	15758.0	15218.2	15070.9	14752.2
57.5°	11712.6	11808.4	12572.9	13707.7	15209.0	16297.8	16542.8	16198.3	16056.4	15597.7
60°	10214.9	10367.8	11242.8	12665.0	14608.5	16295.9	17255.7	17161.7	17043.8	16430.4
62.5°	8520.1	8696.9	9538.8	11191.2	13558.4	15833.5	17701.5	17968.6	17907.8	17198.6
65°	6543.4	6665.0	7503.2	9284.6	11924.4	14840.6	17753.1	18519.4	18530.5	17782.6
67.5°	4356.8	4706.8	5434.4	6967.1	9735.9	13217.6	17299.9	18609.7	18716.5	17983.3
70°	2125.9	2586.4	3299.3	4528.1	6967.1	10728.8	16115.4	17869.1	18106.8	17397.5
72.5°	882.4	1031.6	1420.3	2234.6	3999.4	7239.8	13735.3	15861.2	16301.4	15415.4
75°	595.0	644.8	812.4	1145.8	1821.9	3570.1	9905.4	11826.8	12536.0	11642.6
77.5°	458.7	490.0	591.3	801.3	1083.2	1350.3	5301.8	7127.4	7494.0	6937.6
80°	361.1	385.0	442.1	584.0	768.2	722.1	1807.2	3229.3	3441.2	2886.7
82.5°	313.2	322.4	316.9	396.1	510.3	421.9	593.2	1191.9	1315.3	954.2
85°	226.6	252.4	263.4	245.0	270.8	213.7	243.2	421.9	464.2	414.5
87.5°	92.1	136.3	167.6	158.4	99.5	60.8	75.5	123.4	141.8	154.7
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°
3888.8	0°	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8	3888.8
3890.7	2.5°	3892.5	3905.4	3914.6	3925.7	3933.1	3944.1	3966.2	3979.1	3980.9	3990.2
3920.2	5°	3927.5	3945.9	3966.2	3995.7	4028.8	4056.5	4098.8	4128.3	4139.4	4148.6
3992.0	7.5°	4003.1	4028.8	4065.7	4117.3	4165.2	4202.0	4253.6	4288.6	4323.6	4336.5
4106.2	10°	4115.4	4152.3	4205.7	4275.7	4327.3	4375.2	4428.6	4458.1	4493.1	4507.8
4242.5	12.5°	4255.4	4294.1	4364.1	4461.8	4509.7	4542.8	4561.2	4553.9	4561.2	4574.1
4406.5	15°	4415.7	4458.1	4537.3	4642.3	4675.4	4646.0	4605.4	4568.6	4563.1	4566.8
4605.4	17.5°	4605.4	4636.8	4728.9	4817.3	4793.3	4671.8	4583.3	4524.4	4494.9	4485.7
4859.7	20°	4870.7	4870.7	4946.2	5001.5	4841.2	4634.9	4496.8	4401.0	4340.2	4314.4
5206.0	22.5°	5193.1	5163.6	5211.5	5172.8	4832.0	4531.8	4340.2	4174.4	4082.3	4045.4
5690.5	25°	5602.1	5567.1	5554.2	5314.7	4765.7	4367.8	4056.5	3855.7	3774.6	3754.4
6388.7	27.5°	6219.2	6130.8	5963.1	5392.1	4644.1	4109.9	3724.9	3538.8	3492.8	3494.6
7285.8	30°	7040.8	6864.0	6453.2	5405.0	4445.2	3745.1	3385.9	3253.3	3231.2	3240.4
8039.3	32.5°	7801.6	7634.0	6954.2	5346.0	4139.4	3387.8	3082.0	2993.5	2960.4	2971.4
8614.0	35°	8398.5	8352.4	7418.5	5263.1	3763.6	3052.5	2809.3	2733.8	2669.3	2654.6
9155.6	37.5°	8962.2	8943.8	7766.6	5147.0	3391.5	2814.8	2590.1	2490.6	2396.7	2345.1
9754.3	40°	9581.2	9562.7	7995.1	4968.4	3061.7	2608.5	2393.0	2262.2	2146.1	2052.2
10432.3	42.5°	10277.5	10168.8	8103.7	4712.3	2781.7	2433.5	2232.7	2055.9	1903.0	1816.4
11198.6	45°	11038.3	10793.3	8101.9	4386.2	2545.9	2273.2	2061.4	1810.9	1669.0	1588.0
11985.2	47.5°	11845.2	11390.2	8002.4	4025.2	2317.5	2096.4	1796.1	1604.5	1510.6	1460.8
12840.0	50°	12677.9	11948.4	7832.9	3610.7	2083.5	1895.6	1630.3	1499.5	1427.7	1381.6
13687.4	52.5°	13460.8	12455.0	7628.5	3140.9	1845.9	1700.3	1556.6	1455.3	1379.8	1328.2
14509.0	55°	14188.5	12891.6	7339.2	2660.1	1652.4	1569.5	1521.6	1436.9	1350.3	1289.5
15343.5	57.5°	14835.1	13175.3	6840.0	2208.8	1514.3	1479.3	1484.8	1405.6	1306.1	1254.5
16165.1	60°	15373.0	13383.4	6101.3	1790.6	1401.9	1390.8	1427.7	1346.6	1230.6	1171.6
16859.6	62.5°	15695.4	13379.7	5194.9	1466.4	1306.1	1309.8	1352.2	1272.9	1155.0	1099.8
17222.5	65°	15667.7	13051.8	4200.2	1254.5	1214.0	1217.7	1272.9	1191.9	1092.4	1059.3
17040.2	67.5°	15113.2	12252.3	3222.0	1116.4	1112.7	1129.3	1193.7	1136.6	1053.7	1050.0
15953.3	70°	13611.9	10592.5	2321.1	1005.8	1007.7	1031.6	1116.4	1101.6	1033.5	1040.8
13412.9	72.5°	10914.9	8076.1	1558.5	889.8	891.6	930.3	1042.7	1074.0	1013.2	1110.8
9516.7	75°	7269.2	5036.5	1002.1	766.3	768.2	817.9	978.2	1020.6	957.9	1107.1
4951.8	77.5°	3492.8	2264.0	725.8	644.8	644.8	690.8	845.6	913.7	816.1	860.3
1591.6	80°	1206.6	851.1	571.1	519.5	508.4	539.8	712.9	792.1	703.7	648.4
519.5	82.5°	475.3	442.1	458.7	403.4	366.6	386.9	554.5	654.0	517.7	467.9
292.9	85°	272.6	287.4	324.2	267.1	211.9	237.6	407.1	469.8	390.5	344.5
95.8	87.5°	73.7	101.3	149.2	138.2	95.8	101.3	193.4	259.7	224.7	173.2
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



<u>180°</u>
3888.8
3988.3
4146.7
4338.3
4515.2
4577.8
4579.7
4498.6
4308.9
4039.9
3758.0
3500.1
3271.7
2986.2
2665.6
2346.9
2061.4
1821.9
1584.3
1449.8
1365.1
1306.1
1265.6
1221.4
1145.8
1083.2
1057.4
1055.6
1039.0
1125.6
1116.4
788.5
607.9
466.1
351.9
178.7
0.0

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