

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: P850488

Luminaire Tested: **GLAN-SB8A-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850488  
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-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35619 lumens  
Efficiency: N/A  
Efficacy: 156.8 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

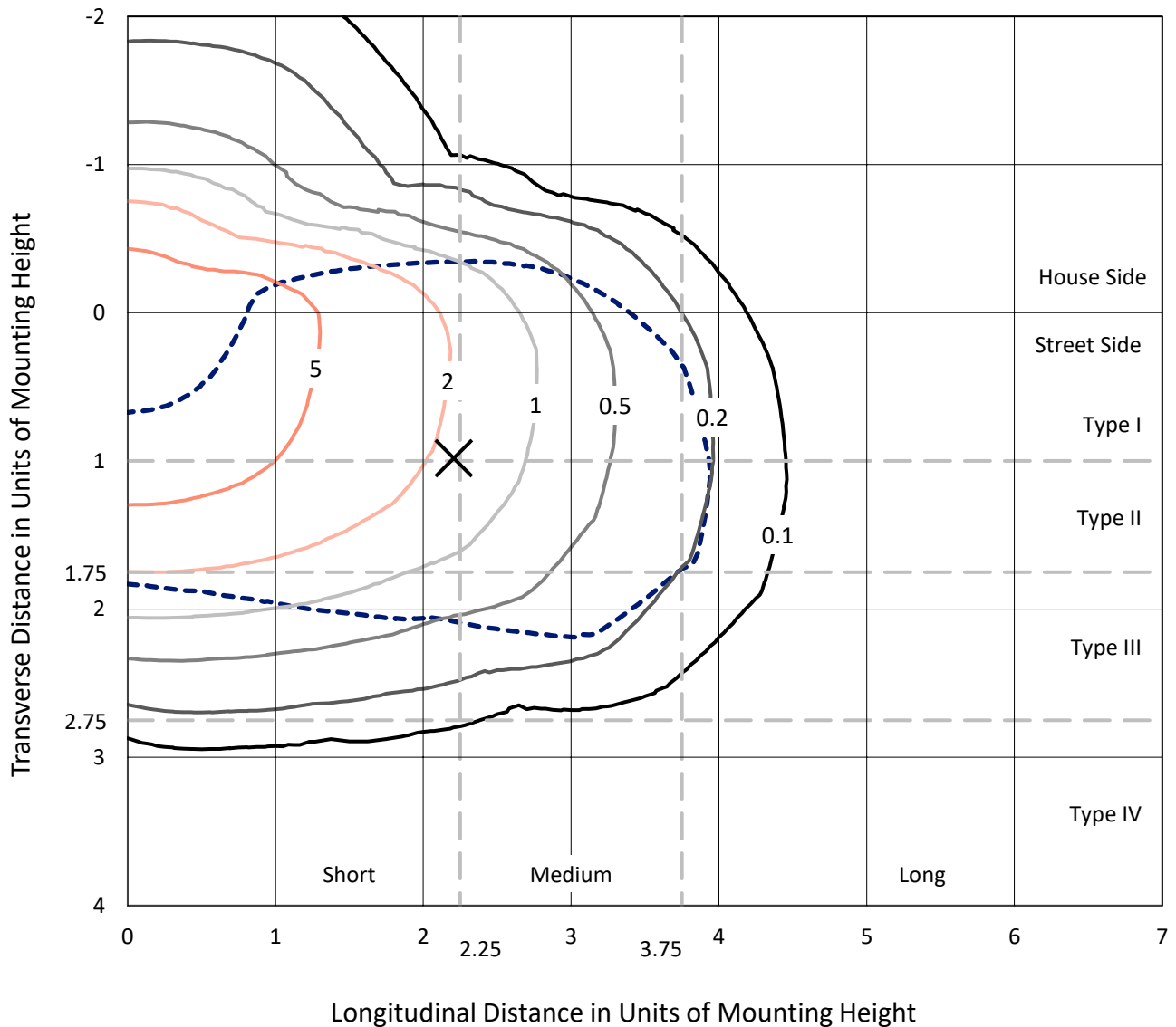
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

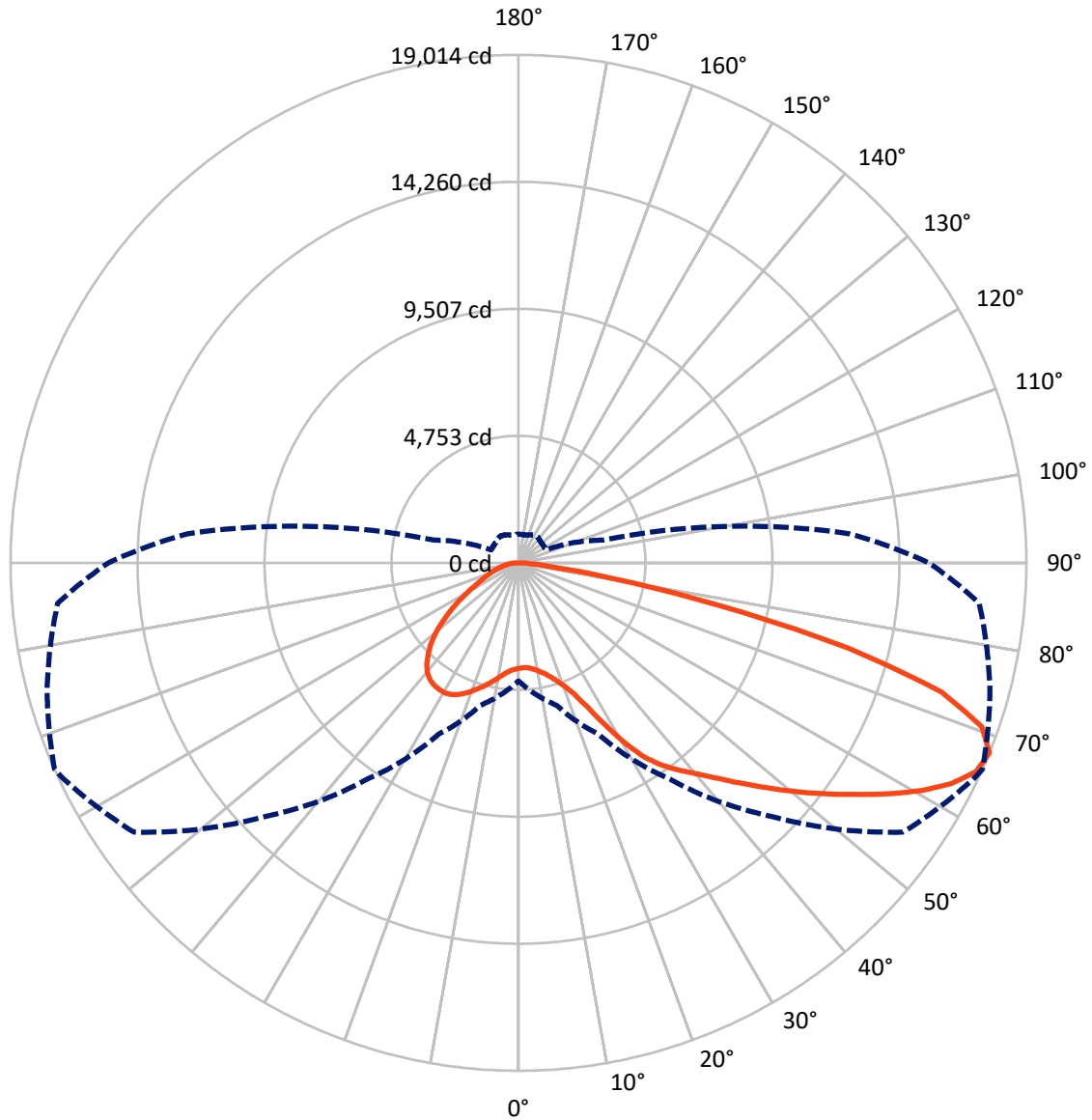
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	8856.6	0.0	8856.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	26762.4	0.0	26762.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	35619.0	0.0	35619.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.7	1.1
10°-20°	1294.1	3.6
20°-30°	2494.3	7.0
30°-40°	4373.4	12.3
40°-50°	6501.8	18.3
50°-60°	8241.7	23.1
60°-70°	8064.3	22.6
70°-80°	3846.7	10.8
80°-90°	411.1	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°	35619.0	100.0
0°-180°	35619.0	100.0

**Coefficient of Utilization**

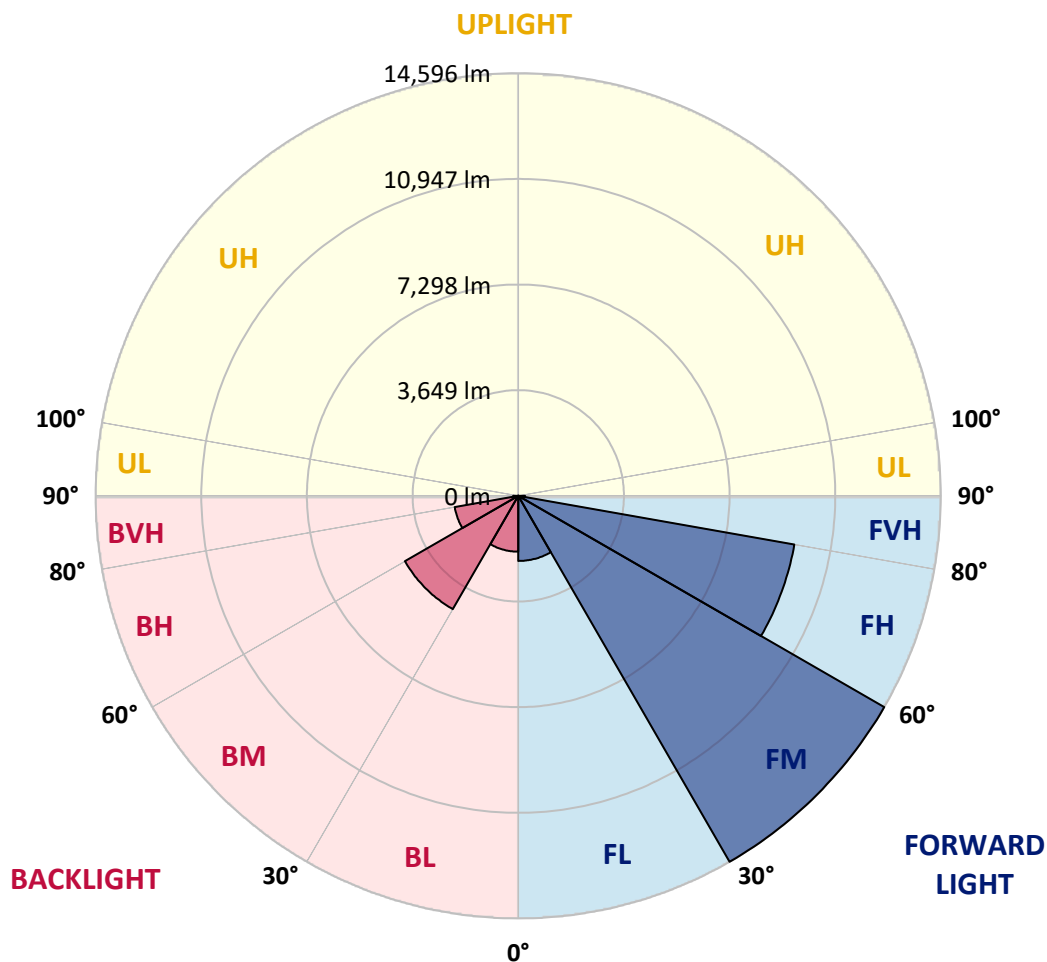


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.8	6.3			
FM (30°-60°)	14596.4	41.0			
FH (60°-80°)	9682.2	27.2			G4/12000
FVH (80°-90°)	233.1	0.7			G3/500
BL (0°-30°)	1929.3	5.4	B3/2500		
BM (30°-60°)	4520.5	12.7	B3/5000		
BH (60°-80°)	2228.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	178.0	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°	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6
2.5°	3909.4	3931.9	3926.3	3916.9	3915.1	3918.8	3924.4	3930.0	3928.2	3937.5
5°	3898.2	3920.7	3918.8	3918.8	3926.3	3941.3	3950.6	3960.0	3950.6	3961.8
7.5°	3905.7	3922.5	3930.0	3937.5	3956.2	3984.3	4006.8	4027.3	4016.1	4029.2
10°	4001.1	4014.2	4021.7	4021.7	4034.8	4066.6	4089.1	4126.5	4117.2	4137.8
12.5°	4175.2	4188.3	4188.3	4180.8	4190.2	4210.7	4218.2	4259.4	4242.6	4276.2
15°	4388.5	4414.7	4394.1	4381.0	4384.8	4405.4	4403.5	4435.3	4418.5	4446.6
17.5°	4624.3	4658.0	4624.3	4622.5	4615.0	4637.4	4639.3	4667.4	4637.4	4658.0
20°	4903.2	4950.0	4921.9	4931.3	4914.4	4923.8	4933.1	4974.3	4927.5	4942.5
22.5°	5296.2	5352.3	5322.4	5357.9	5346.7	5339.2	5337.4	5410.3	5337.4	5343.0
25°	5868.8	5936.2	5883.8	5932.5	5932.5	5956.8	5984.9	6078.4	5956.8	5921.2
27.5°	6714.7	6782.1	6679.2	6709.1	6699.8	6759.7	6729.7	6961.8	6830.8	6772.8
30°	7732.8	7852.6	7657.9	7650.5	7641.1	7736.5	7779.6	7933.1	7800.2	7742.2
32.5°	8833.2	8958.6	8726.5	8659.2	8623.6	8681.6	8646.1	8769.6	8677.9	8588.1
35°	9997.3	10120.8	9899.9	9768.9	9626.7	9505.1	9377.8	9409.6	9323.5	9186.9
37.5°	11097.7	11324.1	11090.2	10949.8	10687.8	10450.1	10094.6	9946.7	9866.3	9740.9
40°	12218.7	12347.8	12170.0	12050.2	11765.8	11393.3	10824.4	10511.9	10403.4	10281.7
42.5°	13044.0	13167.5	13072.0	12989.7	12767.0	12334.7	11599.2	11208.1	11050.9	10914.3
45°	13699.0	13790.7	13730.8	13760.7	13665.3	13246.1	12402.1	11954.8	11792.0	11625.4
47.5°	13962.8	14060.2	14155.6	14333.4	14496.2	14187.4	13264.8	12763.2	12591.1	12420.8
50°	13932.9	14032.1	14309.1	14687.1	15192.4	15089.5	14174.3	13624.1	13465.0	13270.4
52.5°	13693.4	13805.6	14161.2	14790.0	15594.7	15765.0	15100.7	14513.0	14363.3	14131.3
55°	13064.5	13131.9	13665.3	14556.1	15690.2	16236.6	16008.3	15460.0	15310.3	14986.5
57.5°	11898.6	11996.0	12772.6	13925.4	15450.6	16556.7	16805.6	16455.6	16311.5	15845.5
60°	10377.2	10532.5	11421.4	12866.2	14840.5	16554.8	17529.8	17434.4	17314.6	16691.4
62.5°	8655.4	8835.1	9690.3	11369.0	13773.8	16085.1	17982.7	18254.1	18192.3	17471.8
65°	6647.4	6770.9	7622.4	9432.1	12113.9	15076.4	18035.1	18813.6	18824.9	18065.0
67.5°	4426.0	4781.5	5520.8	7077.8	9890.6	13427.6	17574.7	18905.3	19013.9	18269.0
70°	2159.6	2627.5	3351.8	4600.0	7077.8	10899.3	16371.4	18153.0	18394.4	17673.9
72.5°	896.4	1048.0	1442.9	2270.1	4062.9	7354.8	13953.5	16113.1	16560.4	15660.2
75°	604.5	655.0	825.3	1164.0	1850.9	3626.9	10062.8	12014.7	12735.2	11827.5
77.5°	466.0	497.8	600.7	814.1	1100.4	1371.8	5386.0	7240.6	7613.0	7047.9
80°	366.8	391.1	449.1	593.2	780.4	733.6	1835.9	3280.6	3495.9	2932.6
82.5°	318.1	327.5	321.9	402.4	518.4	428.6	602.6	1210.8	1336.2	969.4
85°	230.2	256.4	267.6	248.9	275.1	217.1	247.0	428.6	471.6	421.1
87.5°	93.6	138.5	170.3	160.9	101.1	61.8	76.7	125.4	144.1	157.2
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°
3950.6	0°	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6	3950.6
3952.5	2.5°	3954.4	3967.5	3976.8	3988.0	3995.5	4006.8	4029.2	4042.3	4044.2	4053.5
3982.4	5°	3989.9	4008.6	4029.2	4059.2	4092.8	4120.9	4164.0	4193.9	4205.1	4214.5
4055.4	7.5°	4066.6	4092.8	4130.3	4182.7	4231.3	4268.8	4321.2	4356.7	4392.3	4405.4
4171.4	10°	4180.8	4218.2	4272.5	4343.6	4396.0	4444.7	4499.0	4528.9	4564.5	4579.4
4309.9	12.5°	4323.0	4362.3	4433.5	4532.6	4581.3	4615.0	4633.7	4626.2	4633.7	4646.8
4476.5	15°	4485.9	4528.9	4609.4	4716.0	4749.7	4719.8	4678.6	4641.2	4635.6	4639.3
4678.6	17.5°	4678.6	4710.4	4804.0	4893.8	4869.5	4746.0	4656.2	4596.3	4566.3	4557.0
4936.9	20°	4948.1	4948.1	5024.8	5081.0	4918.2	4708.6	4568.2	4470.9	4409.1	4382.9
5288.7	22.5°	5275.6	5245.7	5294.3	5255.0	4908.8	4603.8	4409.1	4240.7	4147.1	4109.7
5780.9	25°	5691.1	5655.5	5642.4	5399.1	4841.4	4437.2	4120.9	3916.9	3834.6	3814.0
6490.2	27.5°	6318.0	6228.2	6057.9	5477.7	4717.9	4175.2	3784.1	3595.0	3548.3	3550.1
7401.6	30°	7152.7	6973.0	6555.7	5490.8	4515.8	3804.6	3439.7	3305.0	3282.5	3291.9
8167.0	32.5°	7925.6	7755.3	7064.7	5430.9	4205.1	3441.6	3130.9	3041.1	3007.4	3018.6
8750.9	35°	8531.9	8485.1	7536.3	5346.7	3823.4	3101.0	2854.0	2777.2	2711.7	2696.8
9301.1	37.5°	9104.6	9085.9	7890.0	5228.8	3445.3	2859.6	2631.2	2530.2	2434.7	2382.3
9909.3	40°	9733.4	9714.7	8122.1	5047.3	3110.3	2650.0	2431.0	2298.1	2180.2	2084.8
10598.0	42.5°	10440.8	10330.4	8232.5	4787.2	2825.9	2472.2	2268.2	2088.5	1933.2	1845.2
11376.5	45°	11213.7	10964.8	8230.6	4455.9	2586.3	2309.4	2094.1	1839.6	1695.5	1613.2
12175.6	47.5°	12033.4	11571.1	8129.6	4089.1	2354.3	2129.7	1824.7	1630.0	1534.6	1484.1
13044.0	50°	12879.3	12138.2	7957.4	3668.0	2116.6	1925.7	1656.2	1523.4	1450.4	1403.6
13904.8	52.5°	13674.6	12652.8	7749.6	3190.8	1875.2	1727.3	1581.4	1478.4	1401.7	1349.3
14739.5	55°	14413.9	13096.4	7455.8	2702.4	1678.7	1594.5	1545.8	1459.7	1371.8	1310.0
15587.3	57.5°	15070.7	13384.6	6948.7	2243.9	1538.3	1502.8	1508.4	1427.9	1326.9	1274.5
16421.9	60°	15617.2	13596.0	6198.2	1819.0	1424.2	1412.9	1450.4	1368.0	1250.1	1190.2
17127.5	62.5°	15944.7	13592.3	5277.5	1489.7	1326.9	1330.6	1373.6	1293.2	1173.4	1117.3
17496.1	65°	15916.6	13259.2	4266.9	1274.5	1233.3	1237.0	1293.2	1210.8	1109.8	1076.1
17310.9	67.5°	15353.3	12447.0	3273.2	1134.1	1130.4	1147.2	1212.7	1154.7	1070.5	1066.7
16206.7	70°	13828.1	10760.8	2358.0	1021.8	1023.7	1048.0	1134.1	1119.1	1049.9	1057.4
13626.0	72.5°	11088.3	8204.4	1583.2	903.9	905.8	945.1	1059.2	1091.1	1029.3	1128.5
9667.9	75°	7384.7	5116.5	1018.1	778.5	780.4	830.9	993.7	1036.8	973.2	1124.7
5030.4	77.5°	3548.3	2300.0	737.3	655.0	655.0	701.8	859.0	928.2	829.0	874.0
1616.9	80°	1225.8	864.6	580.1	527.7	516.5	548.3	724.2	804.7	714.9	658.7
527.7	82.5°	482.8	449.1	466.0	409.8	372.4	393.0	563.3	664.4	525.9	475.3
297.6	85°	277.0	291.9	329.4	271.4	215.2	241.4	413.6	477.2	396.7	350.0
97.3	87.5°	74.9	102.9	151.6	140.4	97.3	102.9	196.5	263.9	228.3	175.9
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>
3950.6
4051.7
4212.6
4407.3
4586.9
4650.5
4652.4
4570.1
4377.3
4104.1
3817.7
3555.7
3323.7
3033.6
2708.0
2384.2
2094.1
1850.9
1609.4
1472.8
1386.7
1326.9
1285.7
1240.8
1164.0
1100.4
1074.2
1072.3
1055.5
1143.5
1134.1
801.0
617.6
473.5
357.4
181.5
0.0

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