

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: P851238

Luminaire Tested: **GLAN-SB9A-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851238
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-SB9A-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36360 lumens
Efficiency: N/A
Efficacy: 142.3 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

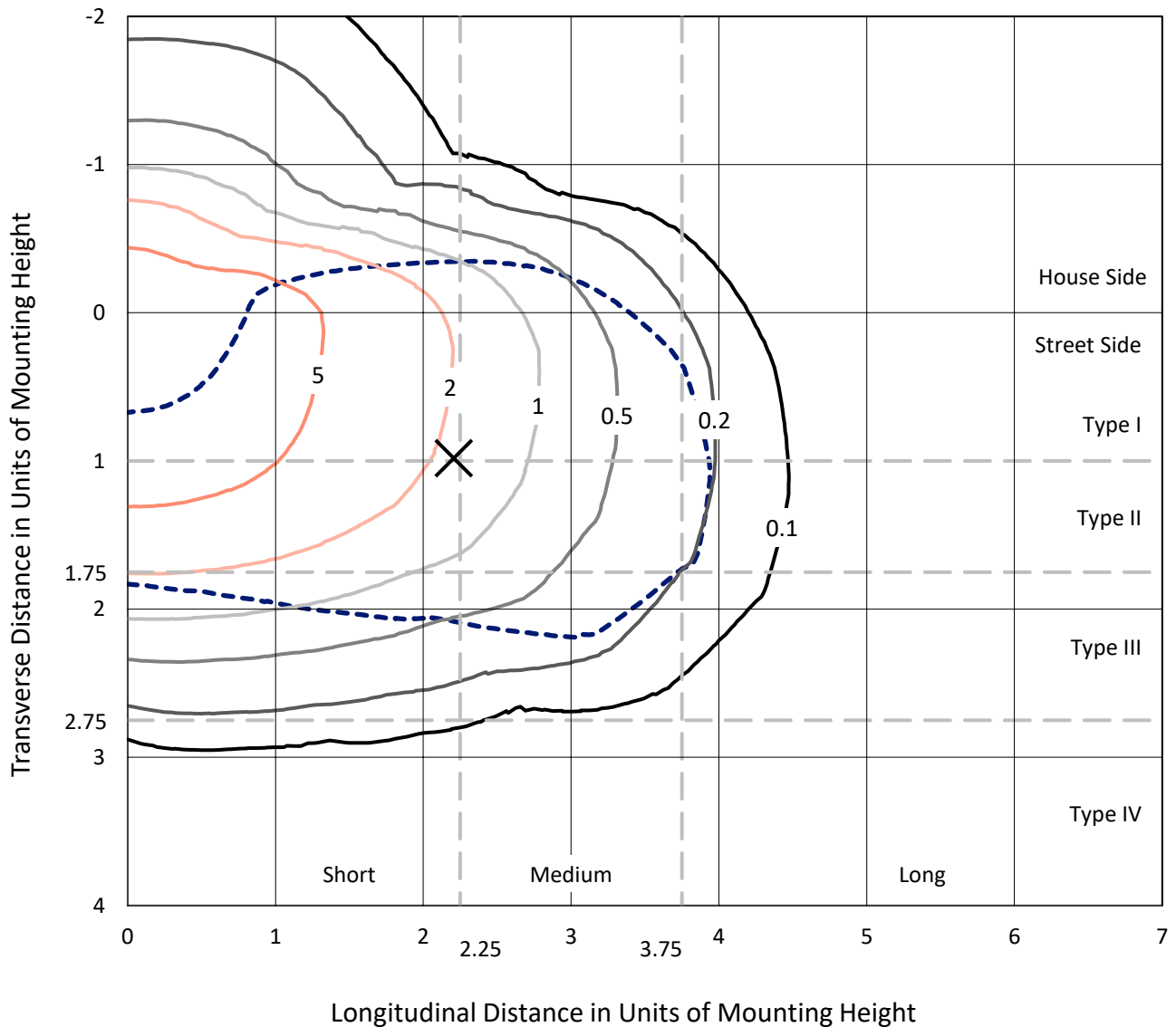
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

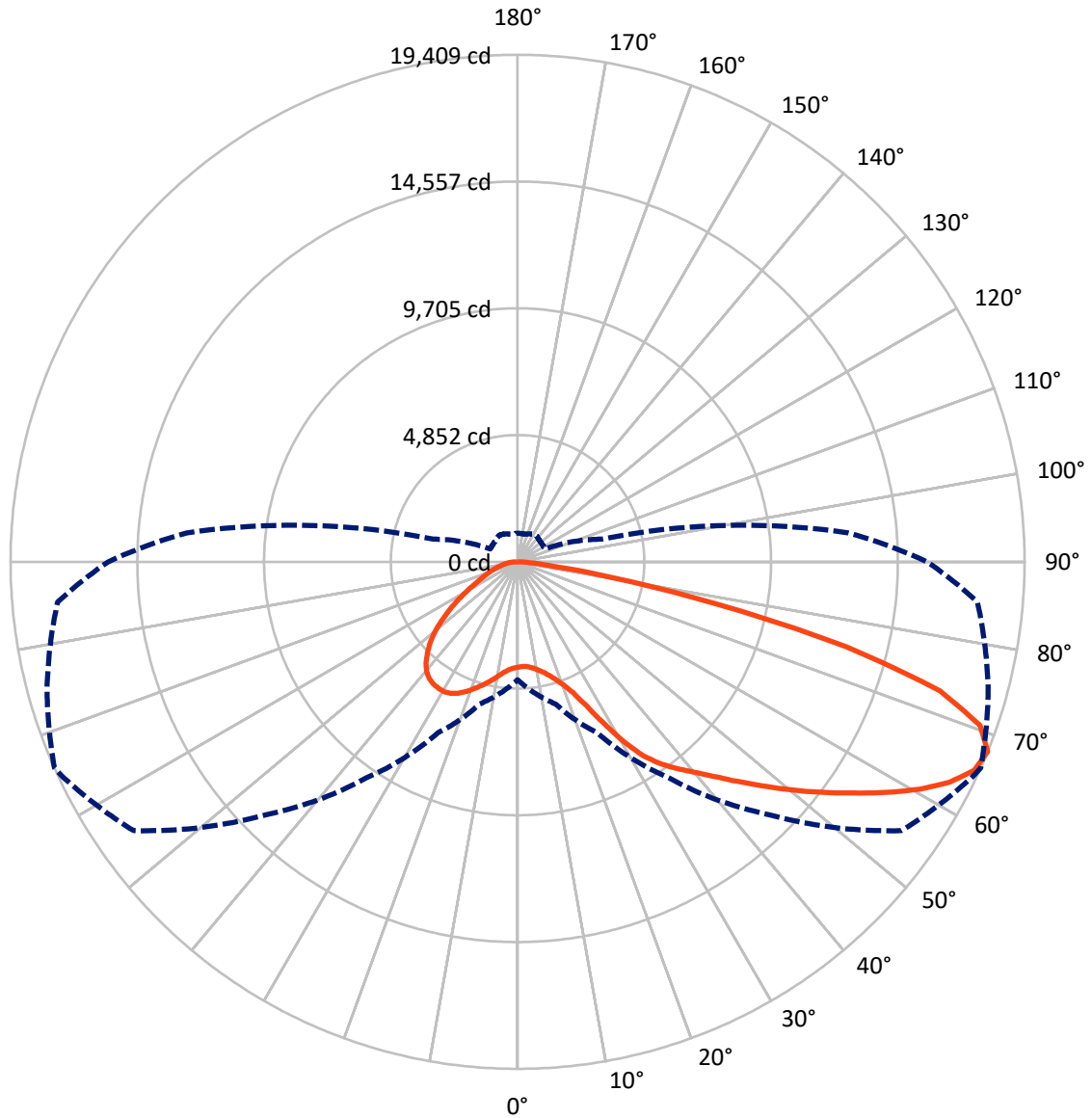
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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
House Side	Lumens	9040.8	0.0	9040.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	27319.2	0.0	27319.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	36360.0	0.0	36360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.8	1.1
10°-20°	1321.0	3.6
20°-30°	2546.2	7.0
30°-40°	4464.4	12.3
40°-50°	6637.1	18.3
50°-60°	8413.1	23.1
60°-70°	8232.0	22.6
70°-80°	3926.8	10.8
80°-90°	419.7	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°	36360.0	100.0
0°-180°	36360.0	100.0

Coefficient of Utilization

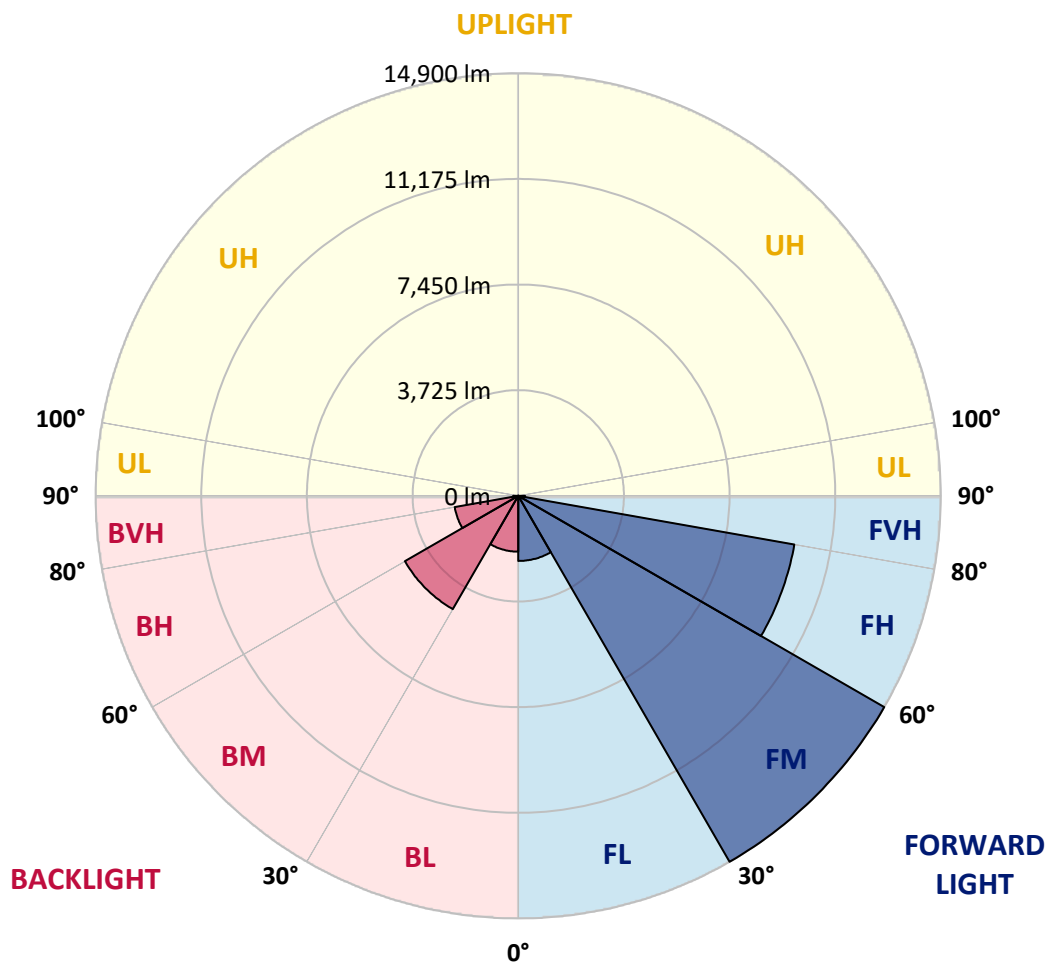


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2297.6	6.3			
FM (30°-60°)	14900.0	41.0			
FH (60°-80°)	9883.6	27.2			G4/12000
FVH (80°-90°)	237.9	0.7			G3/500
BL (0°-30°)	1969.4	5.4	B3/2500		
BM (30°-60°)	4614.5	12.7	B3/5000		
BH (60°-80°)	2275.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	181.7	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°	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8
2.5°	3990.8	4013.7	4008.0	3998.4	3996.5	4000.3	4006.1	4011.8	4009.9	4019.4
5°	3979.3	4002.2	4000.3	4000.3	4008.0	4023.3	4032.8	4042.4	4032.8	4044.3
7.5°	3987.0	4004.1	4011.8	4019.4	4038.5	4067.2	4090.1	4111.1	4099.7	4113.0
10°	4084.4	4097.8	4105.4	4105.4	4118.8	4151.2	4174.2	4212.4	4202.8	4223.8
12.5°	4262.0	4275.4	4275.4	4267.8	4277.3	4298.3	4306.0	4348.0	4330.8	4365.2
15°	4479.8	4506.6	4485.6	4472.2	4476.0	4497.0	4495.1	4527.6	4510.4	4539.1
17.5°	4720.5	4754.9	4720.5	4718.6	4711.0	4733.9	4735.8	4764.5	4733.9	4754.9
20°	5005.2	5052.9	5024.3	5033.8	5016.6	5026.2	5035.8	5077.8	5030.0	5045.3
22.5°	5406.4	5463.7	5433.1	5469.4	5457.9	5450.3	5448.4	5522.9	5448.4	5454.1
25°	5990.9	6059.7	6006.2	6055.9	6055.9	6080.7	6109.4	6204.9	6080.7	6044.4
27.5°	6854.4	6923.2	6818.1	6848.7	6839.1	6900.3	6869.7	7106.6	6972.9	6913.7
30°	7893.7	8015.9	7817.3	7809.6	7800.1	7897.5	7941.4	8098.1	7962.4	7903.2
32.5°	9017.0	9145.0	8908.1	8839.3	8803.0	8862.2	8825.9	8952.0	8858.4	8766.7
35°	10205.2	10331.3	10105.9	9972.2	9827.0	9702.8	9572.9	9605.4	9517.5	9378.0
37.5°	11328.5	11559.7	11320.9	11177.6	10910.2	10667.5	10304.6	10153.7	10071.5	9943.5
40°	12472.8	12604.7	12423.2	12300.9	12010.5	11630.4	11049.6	10730.6	10619.8	10495.6
42.5°	13315.3	13441.4	13344.0	13259.9	13032.6	12591.3	11840.5	11441.2	11280.8	11141.3
45°	13984.0	14077.6	14016.4	14047.0	13949.6	13521.6	12660.1	12203.5	12037.3	11867.3
47.5°	14253.3	14352.7	14450.1	14631.6	14797.8	14482.6	13540.7	13028.8	12853.0	12679.2
50°	14222.8	14324.0	14606.7	14992.6	15508.4	15403.4	14469.2	13907.5	13745.2	13546.5
52.5°	13978.2	14092.8	14455.8	15097.7	15919.2	16093.0	15414.8	14815.0	14662.1	14425.3
55°	13336.3	13405.1	13949.6	14858.9	16016.6	16574.4	16341.4	15781.6	15628.8	15298.3
57.5°	12146.2	12245.5	13038.3	14215.1	15772.1	16901.1	17155.2	16797.9	16650.8	16175.2
60°	10593.0	10751.6	11659.0	13133.8	15149.3	16899.2	17894.5	17797.1	17674.8	17038.6
62.5°	8835.5	9018.9	9891.9	11605.5	14060.4	16419.7	18356.8	18633.8	18570.8	17835.3
65°	6785.7	6911.7	7781.0	9628.3	12365.9	15390.0	18410.3	19205.0	19216.5	18440.9
67.5°	4518.0	4881.0	5635.6	7225.0	10096.3	13707.0	17940.3	19298.6	19409.4	18649.1
70°	2204.6	2682.2	3421.5	4695.7	7225.0	11126.0	16712.0	18530.7	18777.1	18041.6
72.5°	915.1	1069.8	1472.9	2317.3	4147.4	7507.8	14243.8	16448.3	16904.9	15986.0
75°	617.1	668.6	842.5	1188.3	1889.4	3702.3	10272.1	12264.6	13000.1	12073.6
77.5°	475.7	508.2	613.2	831.0	1123.3	1400.3	5498.1	7391.2	7771.4	7194.5
80°	374.4	399.3	458.5	605.6	796.6	748.9	1874.1	3348.9	3568.6	2993.6
82.5°	324.8	334.3	328.6	410.7	529.2	437.5	615.1	1236.0	1364.0	989.6
85°	235.0	261.7	273.2	254.1	280.8	221.6	252.2	437.5	481.4	429.8
87.5°	95.5	141.4	173.8	164.3	103.2	63.0	78.3	128.0	147.1	160.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851238
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4032.8	0°	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8	4032.8
4034.7	2.5°	4036.6	4050.0	4059.5	4071.0	4078.7	4090.1	4113.0	4126.4	4128.3	4137.9
4065.3	5°	4072.9	4092.0	4113.0	4143.6	4178.0	4206.6	4250.6	4281.2	4292.6	4302.2
4139.8	7.5°	4151.2	4178.0	4216.2	4269.7	4319.4	4357.6	4411.1	4447.4	4483.7	4497.0
4258.2	10°	4267.8	4306.0	4361.4	4434.0	4487.5	4537.1	4592.5	4623.1	4659.4	4674.7
4399.6	12.5°	4413.0	4453.1	4525.7	4626.9	4676.6	4711.0	4730.1	4722.5	4730.1	4743.5
4569.6	15°	4579.2	4623.1	4705.3	4814.1	4848.5	4818.0	4775.9	4737.7	4732.0	4735.8
4775.9	17.5°	4775.9	4808.4	4903.9	4995.6	4970.8	4844.7	4753.0	4691.9	4661.3	4651.8
5039.6	20°	5051.0	5051.0	5129.4	5186.7	5020.5	4806.5	4663.2	4563.9	4500.8	4474.1
5398.7	22.5°	5385.4	5354.8	5404.5	5364.3	5010.9	4699.5	4500.8	4328.9	4233.4	4195.2
5901.2	25°	5809.5	5773.2	5759.8	5511.4	4942.1	4529.5	4206.6	3998.4	3914.4	3893.3
6625.2	27.5°	6449.4	6357.7	6183.9	5591.7	4816.1	4262.0	3862.8	3669.8	3622.1	3624.0
7555.5	30°	7301.5	7118.1	6692.0	5605.0	4609.7	3883.8	3511.3	3373.7	3350.8	3360.4
8336.9	32.5°	8090.4	7916.6	7211.7	5543.9	4292.6	3513.2	3196.1	3104.4	3070.0	3081.4
8932.9	35°	8709.4	8661.6	7693.1	5457.9	3902.9	3165.5	2913.3	2835.0	2768.1	2752.9
9494.6	37.5°	9294.0	9274.9	8054.1	5337.6	3517.0	2919.1	2686.0	2582.8	2485.4	2431.9
10115.4	40°	9935.9	9916.8	8291.0	5152.3	3175.0	2705.1	2481.6	2345.9	2225.6	2128.2
10818.5	42.5°	10658.0	10545.3	8403.7	4886.7	2884.7	2523.6	2315.4	2132.0	1973.4	1883.6
11613.2	45°	11447.0	11192.9	8401.8	4548.6	2640.1	2357.4	2137.7	1877.9	1730.8	1646.7
12428.9	47.5°	12283.7	11811.9	8298.7	4174.2	2403.3	2174.0	1862.6	1663.9	1566.5	1514.9
13315.3	50°	13147.2	12390.7	8122.9	3744.3	2160.6	1965.8	1690.7	1555.0	1480.5	1432.8
14194.1	52.5°	13959.1	12916.1	7910.9	3257.2	1914.2	1763.3	1614.3	1509.2	1430.9	1377.4
15046.1	55°	14713.7	13368.8	7610.9	2758.6	1713.6	1627.6	1578.0	1490.1	1400.3	1337.3
15911.5	57.5°	15384.3	13663.0	7093.2	2290.5	1570.3	1534.0	1539.8	1457.6	1354.5	1301.0
16763.6	60°	15942.1	13878.9	6327.2	1856.9	1453.8	1442.3	1480.5	1396.5	1276.1	1215.0
17483.8	62.5°	16276.4	13875.1	5387.3	1520.7	1354.5	1358.3	1402.2	1320.1	1197.8	1140.5
17860.1	65°	16247.8	13535.0	4355.7	1301.0	1258.9	1262.8	1320.1	1236.0	1132.9	1098.5
17671.0	67.5°	15672.7	12705.9	3341.2	1157.7	1153.9	1171.1	1237.9	1178.7	1092.7	1088.9
16543.9	70°	14115.8	10984.7	2407.1	1043.1	1045.0	1069.8	1157.7	1142.4	1071.7	1079.4
13909.5	72.5°	11319.0	8375.1	1616.2	922.7	924.6	964.7	1081.3	1113.7	1050.7	1152.0
9869.0	75°	7538.3	5223.0	1039.2	794.7	796.6	848.2	1014.4	1058.3	993.4	1148.1
5135.1	77.5°	3622.1	2347.9	752.7	668.6	668.6	716.4	876.9	947.5	846.3	892.1
1650.6	80°	1251.3	882.6	592.2	538.7	527.3	559.7	739.3	821.5	729.8	672.5
538.7	82.5°	492.9	458.5	475.7	418.4	380.2	401.2	575.0	678.2	536.8	485.2
303.7	85°	282.7	298.0	336.2	277.0	219.7	246.4	422.2	487.1	405.0	357.2
99.3	87.5°	76.4	105.1	154.7	143.3	99.3	105.1	200.6	269.4	233.1	179.6
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>
4032.8
4136.0
4300.3
4498.9
4682.3
4747.3
4749.2
4665.1
4468.4
4189.5
3897.2
3629.7
3392.8
3096.7
2764.3
2433.8
2137.7
1889.4
1642.9
1503.5
1415.6
1354.5
1312.4
1266.6
1188.3
1123.3
1096.6
<i>1094.6</i>
1077.5
1167.2
1157.7
817.6
630.4
483.3
364.9
185.3
0.0

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