

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: P851245

Luminaire Tested: **GLAN-SB9A-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851245
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-SB9A-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 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: 25618 lumens
Efficiency: N/A
Efficacy: 100.3 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

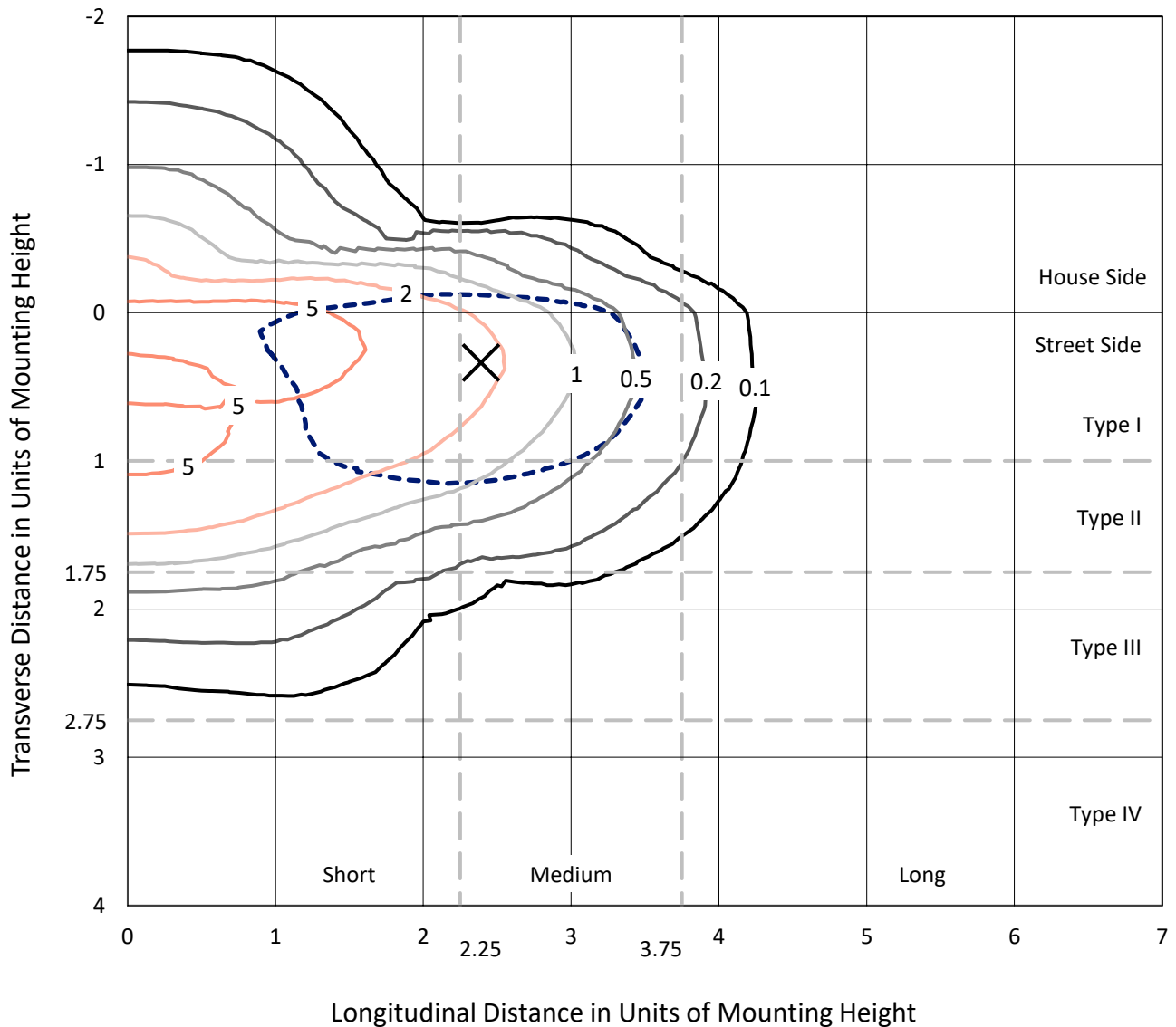
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

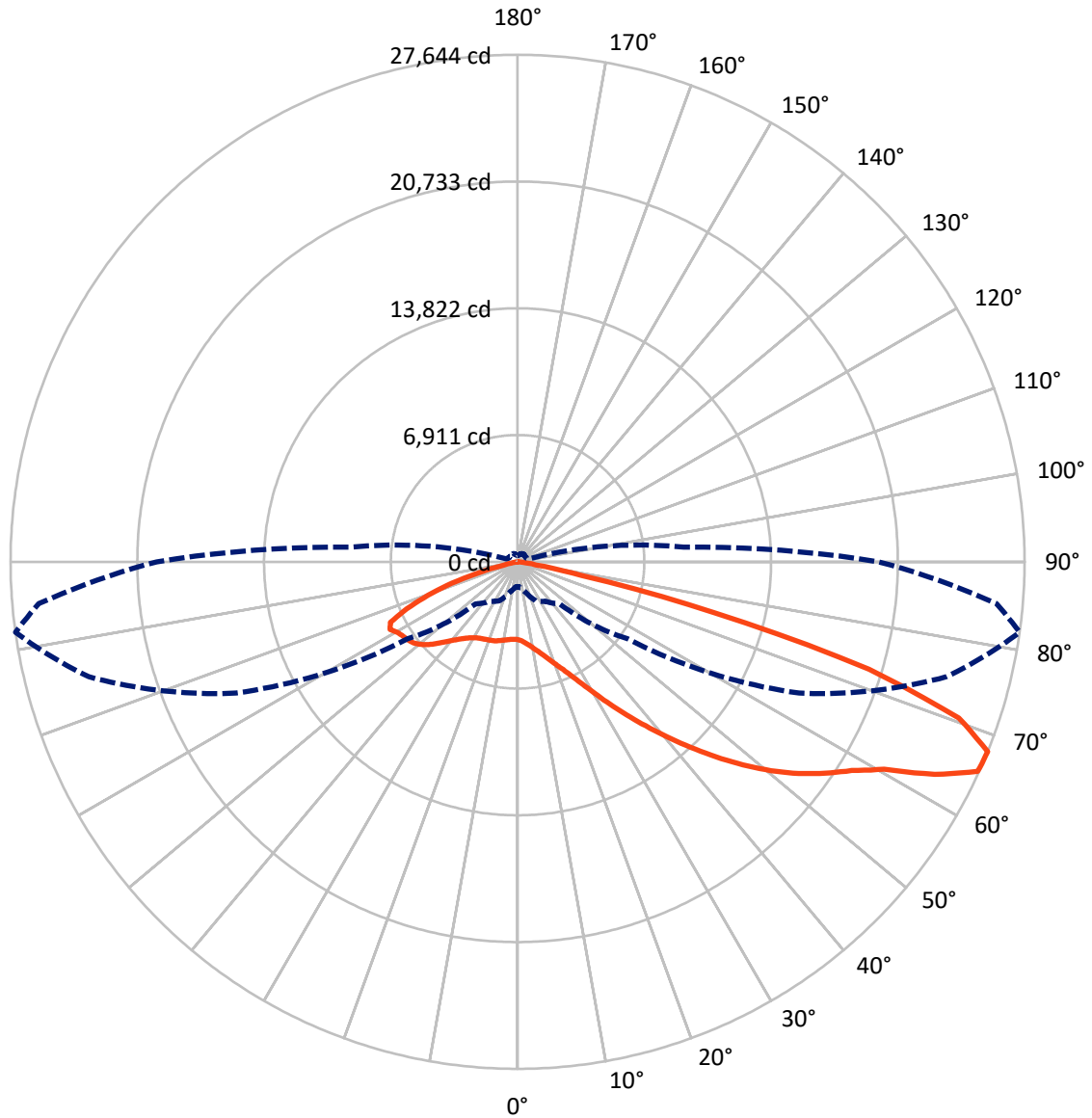
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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
House Side	Lumens	4640.5	0.0	4640.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20977.5	0.0	20977.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	25618.0	0.0	25618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.1	1.5
10°-20°	982.6	3.8
20°-30°	1573.7	6.1
30°-40°	2782.9	10.9
40°-50°	4875.9	19.0
50°-60°	6503.0	25.4
60°-70°	6054.0	23.6
70°-80°	2323.5	9.1
80°-90°	144.3	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°	25618.0	100.0
0°-180°	25618.0	100.0

Coefficient of Utilization

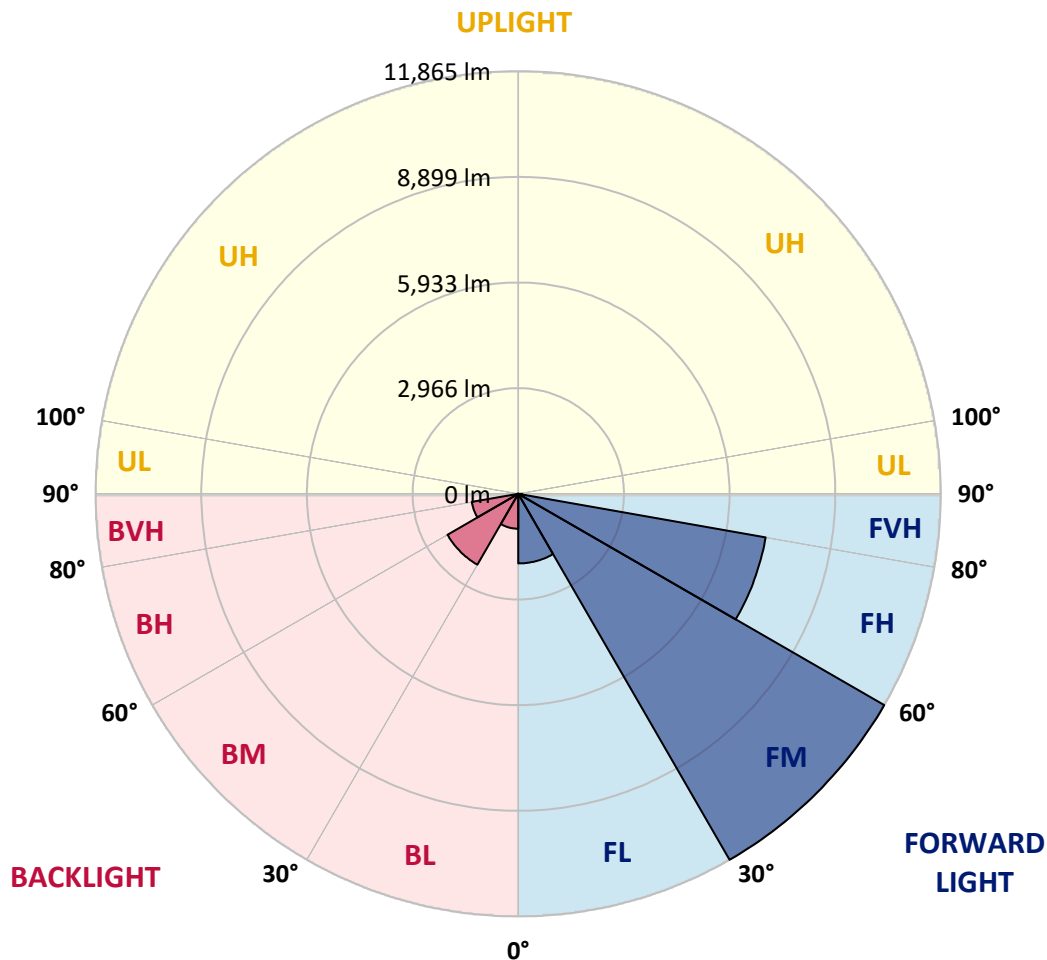


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1954.4	7.6			
FM (30°-60°)	11865.2	46.3			
FH (60°-80°)	7053.0	27.5			G3/7500
FVH (80°-90°)	104.9	0.4			G2/225
BL (0°-30°)	980.1	3.8	B2/1000		
BM (30°-60°)	2296.5	9.0	B2/2500		
BH (60°-80°)	1324.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	39.4	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°	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0
2.5°	4485.7	4511.5	4496.7	4489.3	4476.4	4458.0	4443.2	4397.1	4349.2	4317.8
5°	4576.0	4601.9	4600.0	4607.4	4616.6	4622.1	4618.5	4566.8	4498.6	4445.1
7.5°	4498.6	4528.1	4552.1	4588.9	4653.5	4721.7	4754.9	4743.9	4673.8	4600.0
10°	4279.1	4310.4	4367.6	4454.3	4590.8	4738.3	4861.9	4919.1	4874.8	4793.7
12.5°	3877.0	3908.3	4020.9	4209.0	4437.7	4694.1	4930.2	5083.3	5094.3	5013.2
15°	3425.1	3456.5	3576.4	3812.4	4161.0	4572.3	4967.1	5256.6	5354.4	5284.3
17.5°	3144.8	3172.4	3262.8	3452.8	3816.1	4328.9	4954.1	5441.1	5664.2	5608.9
20°	3059.9	3083.9	3126.3	3259.1	3561.6	4076.2	4869.3	5614.4	5998.1	5966.7
22.5°	3150.3	3172.4	3185.3	3244.4	3434.3	3910.2	4762.3	5791.5	6385.4	6389.1
25°	3358.7	3380.8	3366.1	3403.0	3486.0	3858.5	4721.7	5999.9	6872.3	6912.9
27.5°	3701.8	3703.6	3668.6	3666.7	3679.6	3936.0	4764.2	6223.1	7486.5	7562.2
30°	4389.7	4362.1	4227.4	4081.7	4015.3	4168.4	4882.2	6486.9	8211.4	8346.1
32.5°	5450.3	5409.7	5162.6	4814.0	4463.5	4542.8	5094.3	6787.5	9000.8	9244.3
35°	6601.2	6590.2	6331.9	5813.6	5201.3	5075.9	5439.2	7182.2	9862.2	10249.5
37.5°	7671.0	7665.5	7517.9	6907.4	6162.2	5819.2	5992.6	7698.7	10784.4	11345.1
40°	8648.5	8665.1	8517.6	7971.6	7220.9	6772.8	6745.1	8336.8	11809.9	12538.4
42.5°	9493.3	9511.7	9362.3	8958.4	8266.7	7827.8	7669.1	9118.9	12811.4	13820.3
45°	10066.9	10181.3	10159.1	9836.4	9340.2	8884.6	8779.5	10100.1	13953.1	15179.7
47.5°	10229.2	10334.3	10500.3	10544.6	10242.1	9793.9	9919.3	11282.4	15107.7	16540.9
50°	9829.0	9926.7	10271.6	10730.9	10941.2	10802.8	11027.9	12549.5	16290.0	17898.4
52.5°	9039.6	9139.2	9574.4	10301.1	11158.8	11594.1	12140.0	13798.2	17435.4	19183.9
55°	7897.9	8003.0	8561.8	9384.5	10743.8	11920.6	13067.8	15045.0	18484.9	20340.4
57.5°	6344.8	6422.3	7003.3	8154.2	9699.9	11595.9	13752.1	16406.2	19473.5	21476.6
60°	4135.2	4203.5	4878.5	6162.2	7969.8	10511.4	13888.6	17924.2	20786.7	22953.9
62.5°	2750.0	2796.2	3196.4	4138.9	5612.6	8429.0	13089.9	19136.0	22712.3	25525.1
65°	1886.9	1933.0	2333.2	2989.8	3626.2	5575.7	10793.6	18975.5	24457.2	27566.9
67.5°	1346.4	1385.2	1724.5	2344.3	2624.6	3238.8	7316.9	16924.5	24206.3	27644.3
70°	964.6	986.8	1267.1	1826.0	2086.1	1945.9	4068.8	12944.2	21194.4	25526.9
72.5°	675.1	682.4	879.8	1390.7	1680.3	1420.2	1936.7	8630.1	16029.9	20036.1
75°	457.4	466.6	592.1	1020.0	1348.3	1084.5	1025.5	4627.7	9410.3	11090.6
77.5°	280.4	284.0	381.8	697.2	1008.9	826.3	660.3	1960.6	3640.9	3574.5
80°	158.6	158.6	243.5	433.4	688.0	533.0	463.0	833.7	1152.8	1012.6
82.5°	88.5	90.4	177.1	269.3	455.6	315.4	254.5	385.5	498.0	440.8
85°	36.9	40.6	108.8	127.3	217.6	156.8	103.3	162.3	184.4	164.2
87.5°	3.7	5.5	33.2	24.0	25.8	31.4	14.8	31.4	25.8	25.8
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°
4244.0	0°	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0	4244.0
4306.7	2.5°	4271.7	4244.0	4173.9	4092.8	3985.8	3934.2	3864.1	3816.1	3775.6	3779.2
4413.7	5°	4354.7	4284.6	4127.8	3932.3	3688.9	3515.5	3331.0	3203.8	3100.5	3078.4
4561.3	7.5°	4469.1	4358.4	4083.6	3731.3	3320.0	3008.3	2729.8	2550.8	2423.6	2383.0
4740.2	10°	4616.6	4456.1	4026.4	3478.6	2886.5	2490.0	2191.2	2051.0	1964.3	1934.8
4950.5	12.5°	4788.1	4568.7	3950.8	3170.6	2440.2	2058.4	1868.4	1798.3	1770.7	1761.4
5208.7	15°	5003.9	4708.8	3836.4	2805.4	2062.1	1794.6	1713.5	1704.3	1707.9	1704.3
5518.5	17.5°	5260.3	4861.9	3650.1	2429.1	1807.5	1660.0	1630.5	1637.9	1647.1	1645.2
5865.3	20°	5540.7	5013.2	3412.2	2095.3	1634.2	1564.1	1547.5	1554.9	1562.2	1558.5
6265.5	22.5°	5859.8	5175.5	3148.4	1835.2	1518.0	1475.5	1457.1	1458.9	1458.9	1451.6
6772.8	25°	6241.6	5354.4	2871.8	1650.8	1429.4	1396.2	1374.1	1366.7	1355.7	1333.5
7388.8	27.5°	6697.1	5544.4	2606.2	1521.7	1359.3	1328.0	1302.2	1283.7	1256.1	1219.2
8128.4	30°	7209.9	5774.9	2381.2	1440.5	1304.0	1272.7	1243.1	1215.5	1174.9	1128.8
8978.7	32.5°	7813.0	6022.1	2217.0	1387.0	1254.2	1221.0	1186.0	1152.8	1108.5	1062.4
9934.1	35°	8532.3	6320.9	2121.1	1350.1	1215.5	1171.2	1132.5	1095.6	1062.4	1021.8
10972.5	37.5°	9312.5	6638.1	2091.6	1331.7	1189.7	1121.4	1077.1	1051.3	1047.6	1023.7
12095.8	40°	10166.5	7014.4	2113.7	1320.6	1162.0	1073.5	1025.5	1020.0	1029.2	986.8
13296.5	42.5°	11070.3	7460.7	2150.6	1307.7	1123.3	1025.5	979.4	979.4	972.0	913.0
14565.5	45°	12047.8	7975.3	2187.5	1276.3	1077.1	977.5	942.5	929.6	898.2	841.1
15841.8	47.5°	13032.7	8499.1	2215.2	1219.2	1021.8	937.0	905.6	876.1	830.0	778.3
17094.2	50°	13967.9	8969.5	2185.7	1134.3	959.1	898.2	865.0	824.5	774.7	739.6
18280.2	52.5°	14803.4	9377.1	2060.2	1034.7	892.7	857.7	828.1	785.7	745.2	708.3
19349.9	55°	15530.1	9707.2	1838.9	940.7	833.7	822.6	793.1	739.6	684.3	652.9
20410.5	57.5°	16227.3	9958.1	1562.2	863.2	780.2	783.9	739.6	691.7	640.0	606.8
21839.9	60°	17155.1	10293.8	1281.9	791.3	723.0	734.1	686.1	651.1	586.5	544.1
24291.2	62.5°	18638.0	10815.7	1018.1	702.7	656.6	660.3	640.0	597.6	520.1	470.3
26107.9	65°	19814.7	10623.9	802.3	606.8	581.0	586.5	586.5	540.4	457.4	400.2
26205.7	67.5°	19681.9	9096.7	640.0	512.8	509.1	512.8	525.7	486.9	405.8	359.7
24210.0	70°	18130.8	7235.7	512.8	426.1	442.7	433.4	470.3	444.5	365.2	319.1
18768.9	72.5°	14794.2	5212.4	391.0	352.3	339.4	354.1	424.2	400.2	304.3	252.7
9941.5	75°	8644.8	2781.4	291.4	278.5	245.3	295.1	376.3	341.2	232.4	186.3
3047.0	77.5°	2814.6	970.2	214.0	204.7	182.6	237.9	320.9	287.7	190.0	147.6
892.7	80°	754.4	293.3	145.7	134.6	118.0	177.1	254.5	228.7	136.5	95.9
383.6	82.5°	302.5	123.6	84.8	75.6	64.6	121.7	201.0	184.4	101.4	60.9
119.9	85°	97.8	40.6	31.4	24.0	29.5	75.6	119.9	125.4	71.9	31.4
18.4	87.5°	12.9	5.5	5.5	7.4	5.5	12.9	36.9	35.0	20.3	3.7
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°
4244.0
3742.4
3028.6
2342.4
1912.7
1755.9
1702.4
1641.5
1556.7
1447.9
1329.8
1215.5
1125.1
1064.2
1018.1
1021.8
988.6
913.0
839.2
776.5
734.1
704.6
649.2
603.1
538.6
466.6
394.7
352.3
313.6
247.2
180.8
142.0
94.1
60.9
24.0
0.0
0.0

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