

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: P850928

Luminaire Tested: **GLAN-SB8C-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850928
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-SB8C-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40883 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

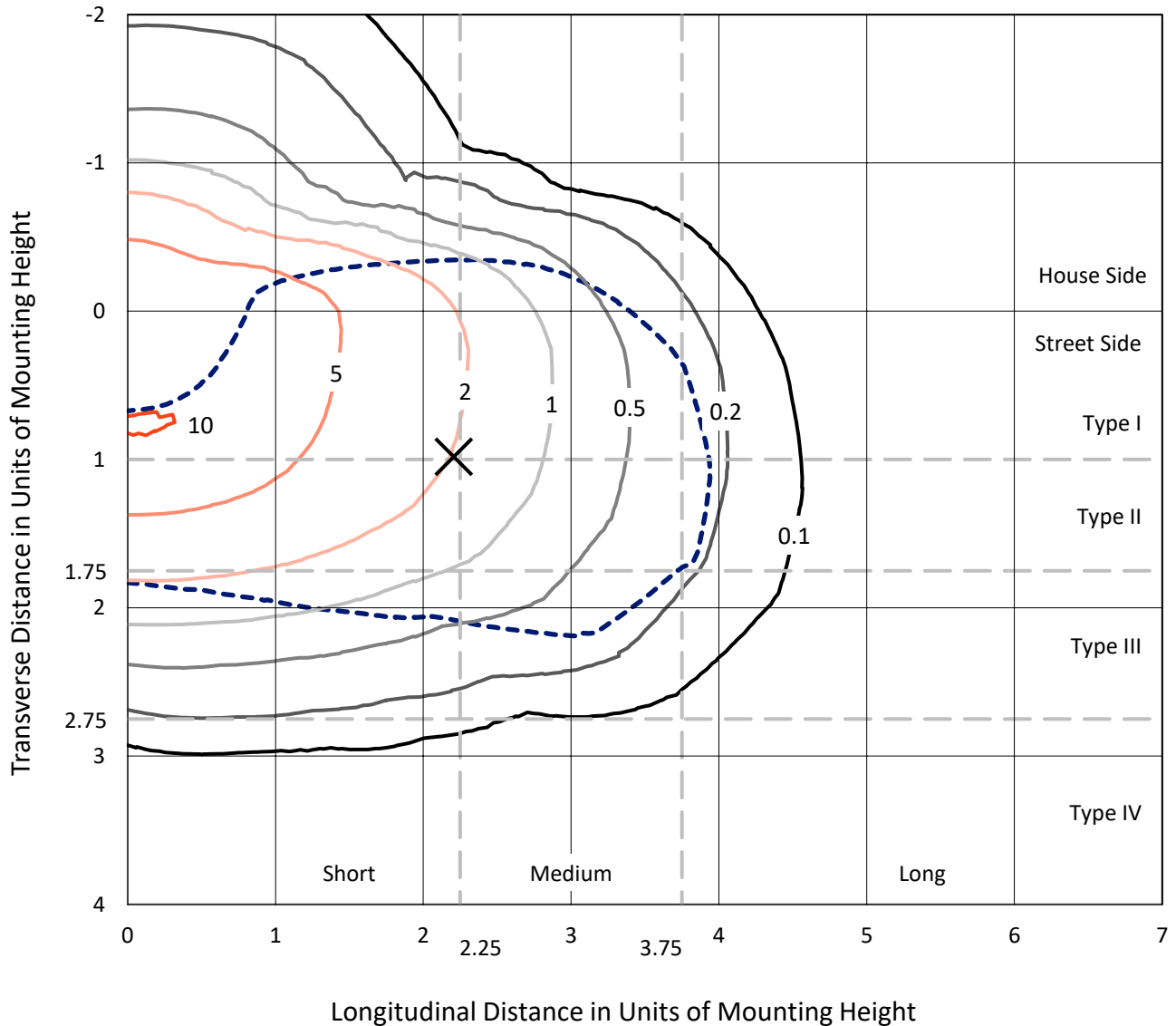
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

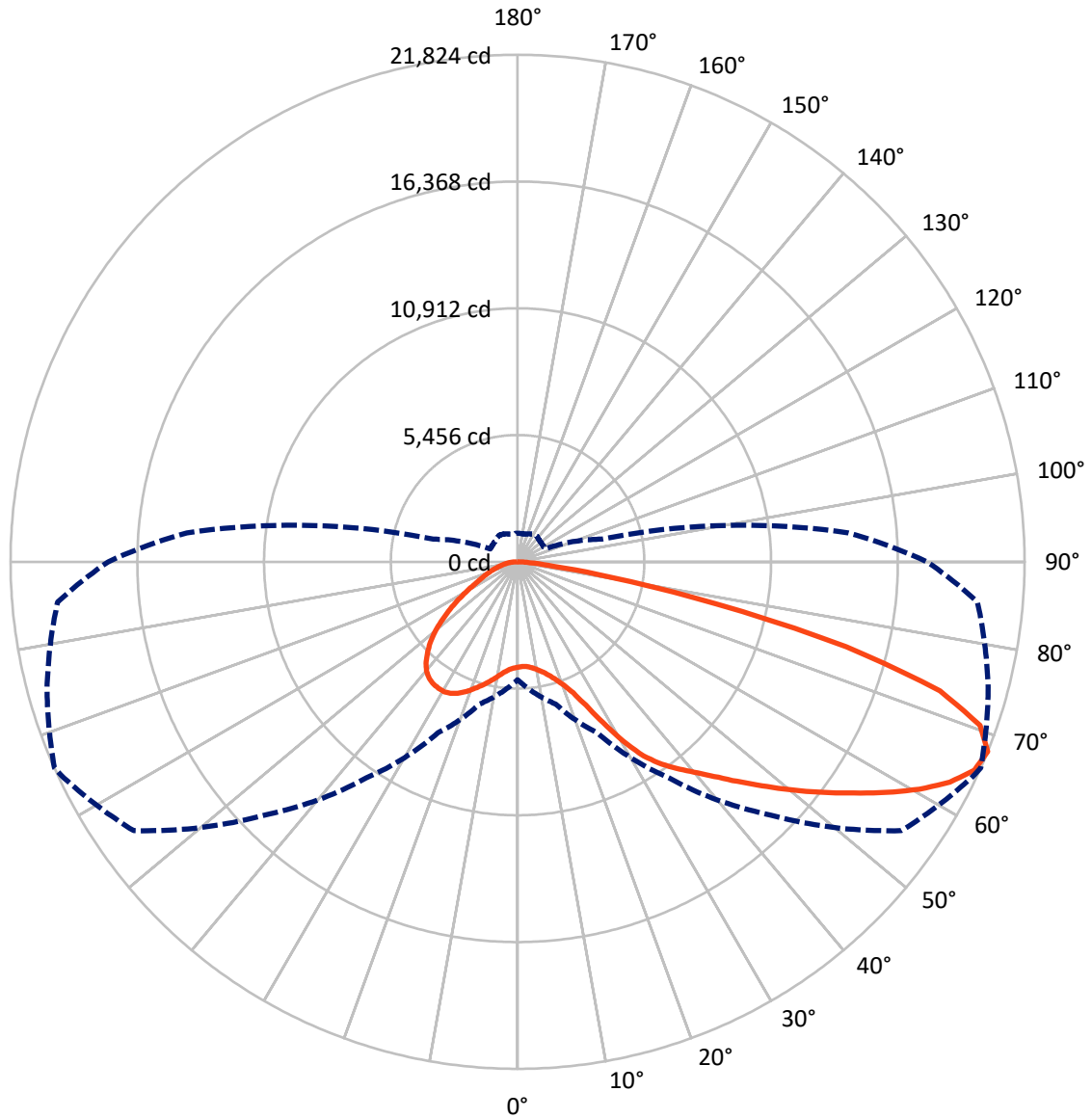
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	10165.4	0.0	10165.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	30717.6	0.0	30717.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	40883.0	0.0	40883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.6	1.1
10°-20°	1485.3	3.6
20°-30°	2862.9	7.0
30°-40°	5019.7	12.3
40°-50°	7462.7	18.3
50°-60°	9459.7	23.1
60°-70°	9256.0	22.6
70°-80°	4415.2	10.8
80°-90°	471.9	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°	40883.0	100.0
0°-180°	40883.0	100.0

Coefficient of Utilization



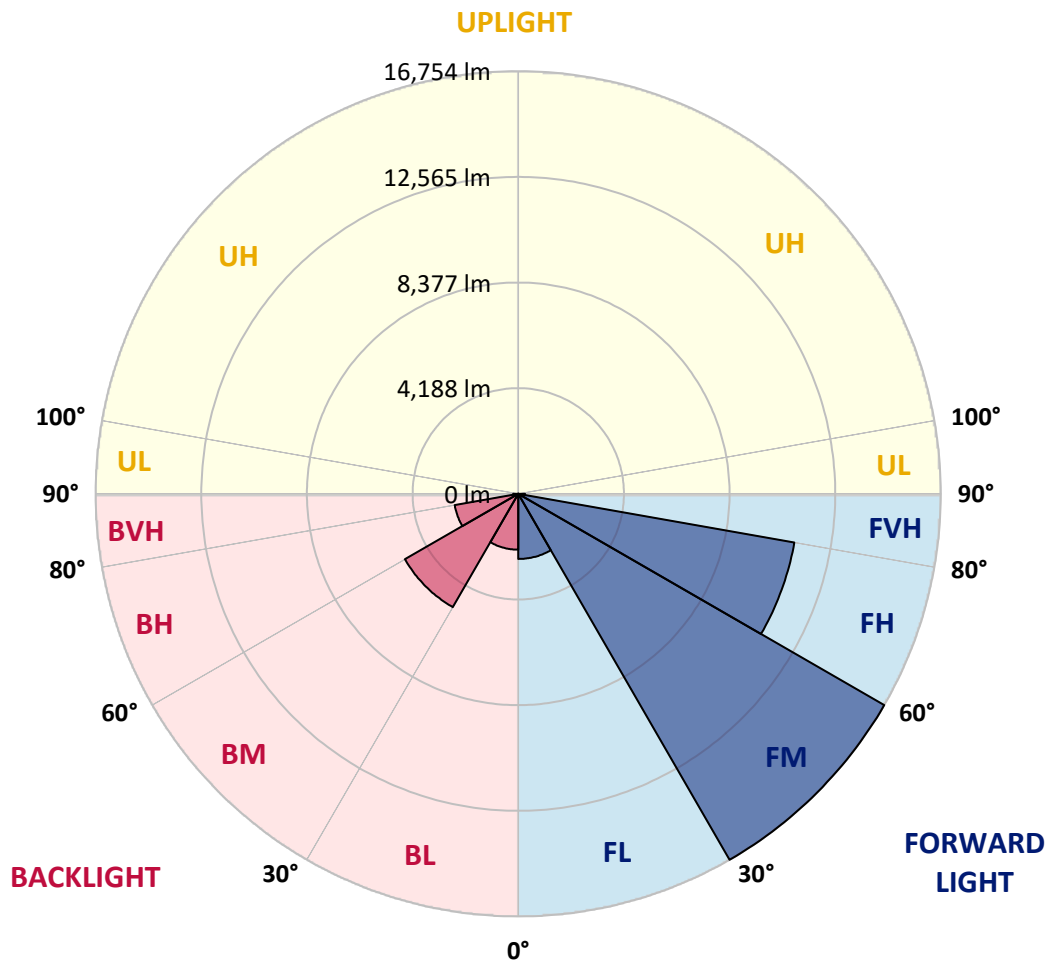
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2583.4	6.3			
FM (30°-60°)	16753.5	41.0			
FH (60°-80°)	11113.1	27.2			G4/12000
FVH (80°-90°)	267.5	0.7			G3/500
BL (0°-30°)	2214.4	5.4	B3/2500		
BM (30°-60°)	5188.6	12.7	B4/8500		
BH (60°-80°)	2558.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	204.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5
2.5°	4487.2	4513.0	4506.5	4495.8	4493.7	4497.9	4504.4	4510.8	4508.7	4519.4
5°	4474.3	4500.1	4497.9	4497.9	4506.5	4523.7	4534.5	4545.2	4534.5	4547.4
7.5°	4482.9	4502.2	4510.8	4519.4	4540.9	4573.1	4598.9	4622.5	4609.6	4624.7
10°	4592.5	4607.5	4616.1	4616.1	4631.1	4667.6	4693.4	4736.4	4725.6	4749.3
12.5°	4792.2	4807.3	4807.3	4798.7	4809.4	4833.0	4841.6	4888.9	4869.6	4908.2
15°	5037.1	5067.2	5043.5	5028.5	5032.8	5056.4	5054.3	5090.8	5071.5	5103.7
17.5°	5307.8	5346.4	5307.8	5305.6	5297.0	5322.8	5324.9	5357.2	5322.8	5346.4
20°	5627.8	5681.5	5649.3	5660.0	5640.7	5651.4	5662.2	5709.4	5655.7	5672.9
22.5°	6078.9	6143.3	6109.0	6149.8	6136.9	6128.3	6126.1	6209.9	6126.1	6132.6
25°	6736.2	6813.5	6753.4	6809.2	6809.2	6837.1	6869.4	6976.8	6837.1	6796.3
27.5°	7707.1	7784.4	7666.3	7700.6	7689.9	7758.6	7724.3	7990.6	7840.3	7773.7
30°	8875.6	9013.1	8789.7	8781.1	8770.4	8879.9	8929.3	9105.4	8952.9	8886.3
32.5°	10138.6	10282.6	10016.2	9938.9	9898.1	9964.7	9923.8	10065.6	9960.4	9857.3
35°	11474.7	11616.5	11363.0	11212.7	11049.4	10909.8	10763.7	10800.2	10701.4	10544.6
37.5°	12737.7	12997.7	12729.2	12568.1	12267.3	11994.5	11586.4	11416.7	11324.3	11180.4
40°	14024.4	14172.6	13968.6	13831.1	13504.6	13077.1	12424.1	12065.4	11940.8	11801.2
42.5°	14971.7	15113.5	15003.9	14909.4	14653.8	14157.6	13313.4	12864.5	12684.0	12527.2
45°	15723.5	15828.7	15760.0	15794.4	15684.8	15203.7	14234.9	13721.5	13534.7	13343.5
47.5°	16026.4	16138.1	16247.6	16451.7	16638.5	16284.1	15225.1	14649.5	14451.9	14256.4
50°	15992.0	16105.8	16423.7	16857.6	17437.6	17319.5	16269.1	15637.6	15455.0	15231.6
52.5°	15717.0	15845.9	16254.0	16975.8	17899.4	18094.9	17332.4	16657.9	16486.0	16219.7
55°	14995.3	15072.6	15684.8	16707.3	18009.0	18636.2	18374.1	17744.8	17572.9	17201.3
57.5°	13657.1	13768.8	14660.2	15983.4	17734.0	19003.5	19289.2	18887.5	18722.1	18187.3
60°	11910.8	12089.0	13109.4	14767.6	17033.8	19001.4	20120.5	20010.9	19873.5	19158.2
62.5°	9934.6	10140.8	11122.4	13049.2	15809.4	18462.2	20640.3	20951.8	20880.9	20053.9
65°	7629.8	7771.5	8748.9	10826.0	13904.1	17304.4	20700.4	21594.0	21606.9	20734.8
67.5°	5080.1	5488.2	6336.7	8123.8	11352.3	15412.0	20172.0	21699.3	21823.9	20968.9
70°	2478.8	3015.8	3847.1	5279.8	8123.8	12510.1	18790.9	20835.8	21112.9	20285.9
72.5°	1028.9	1202.9	1656.1	2605.5	4663.3	8441.7	16015.6	18494.4	19007.8	17974.6
75°	693.8	751.8	947.3	1336.1	2124.4	4162.9	11549.9	13790.3	14617.3	13575.5
77.5°	534.9	571.4	689.5	934.4	1263.0	1574.5	6182.0	8310.7	8738.1	8089.4
80°	421.0	448.9	515.5	680.9	895.7	842.0	2107.2	3765.5	4012.5	3365.9
82.5°	365.2	375.9	369.5	461.8	595.0	491.9	691.7	1389.8	1533.7	1112.7
85°	264.2	294.3	307.2	285.7	315.8	249.2	283.5	491.9	541.3	483.3
87.5°	107.4	159.0	195.5	184.7	116.0	70.9	88.1	143.9	165.4	180.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850928
 CATALOG NUMBER: GLAN-SB8C-930-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4534.5	0°	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5	4534.5
4536.6	2.5°	4538.8	4553.8	4564.5	4577.4	4586.0	4598.9	4624.7	4639.7	4641.9	4652.6
4571.0	5°	4579.6	4601.1	4624.7	4659.1	4697.7	4729.9	4779.3	4813.7	4826.6	4837.3
4654.8	7.5°	4667.6	4697.7	4740.7	4800.8	4856.7	4899.6	4959.8	5000.6	5041.4	5056.4
4787.9	10°	4798.7	4841.6	4903.9	4985.5	5045.7	5101.5	5163.8	5198.2	5239.0	5256.2
4946.9	12.5°	4961.9	5007.0	5088.7	5202.5	5258.3	5297.0	5318.5	5309.9	5318.5	5333.5
5138.1	15°	5148.8	5198.2	5290.6	5413.0	5451.7	5417.3	5370.0	5327.1	5320.6	5324.9
5370.0	17.5°	5370.0	5406.6	5514.0	5617.1	5589.1	5447.4	5344.3	5275.5	5241.2	5230.4
5666.5	20°	5679.4	5679.4	5767.4	5831.9	5645.0	5404.4	5243.3	5131.6	5060.7	5030.7
6070.3	22.5°	6055.3	6020.9	6076.7	6031.6	5634.2	5284.1	5060.7	4867.4	4760.0	4717.0
6635.2	25°	6532.1	6491.3	6476.3	6197.0	5556.9	5092.9	4729.9	4495.8	4401.3	4377.7
7449.3	27.5°	7251.7	7148.6	6953.1	6287.2	5415.2	4792.2	4343.3	4126.3	4072.6	4074.8
8495.4	30°	8209.7	8003.5	7524.5	6302.3	5183.2	4366.9	3948.1	3793.4	3767.6	3778.4
9373.9	32.5°	9096.9	8901.4	8108.8	6233.5	4826.6	3950.2	3593.6	3490.5	3451.9	3464.8
10044.1	35°	9792.8	9739.1	8650.1	6136.9	4388.4	3559.3	3275.7	3187.7	3112.5	3095.3
10675.6	37.5°	10450.1	10428.6	9056.0	6001.6	3954.5	3282.2	3020.1	2904.1	2794.6	2734.4
11373.8	40°	11171.8	11150.4	9322.4	5793.2	3570.0	3041.6	2790.3	2637.8	2502.4	2392.9
12164.2	42.5°	11983.8	11857.1	9449.1	5494.6	3243.5	2837.5	2603.4	2397.2	2218.9	2117.9
13057.8	45°	12870.9	12585.2	9447.0	5114.4	2968.6	2650.7	2403.6	2111.5	1946.1	1851.6
13975.0	47.5°	13811.8	13281.2	9331.0	4693.4	2702.2	2444.4	2094.3	1870.9	1761.4	1703.4
14971.7	50°	14782.7	13932.0	9133.4	4210.1	2429.4	2210.3	1901.0	1748.5	1664.7	1611.0
15959.8	52.5°	15695.6	14522.7	8894.9	3662.4	2152.3	1982.6	1815.1	1696.9	1608.9	1548.7
16917.8	55°	16544.0	15031.8	8557.7	3101.7	1926.8	1830.1	1774.3	1675.5	1574.5	1503.6
17890.8	57.5°	17298.0	15362.6	7975.6	2575.5	1765.7	1724.9	1731.3	1638.9	1522.9	1462.8
18848.9	60°	17925.2	15605.3	7114.2	2087.9	1634.6	1621.8	1664.7	1570.2	1434.9	1366.1
19658.7	62.5°	18301.1	15601.1	6057.4	1709.8	1522.9	1527.2	1576.6	1484.3	1346.8	1282.4
20081.8	65°	18268.9	15218.7	4897.5	1462.8	1415.5	1419.8	1484.3	1389.8	1273.8	1235.1
19869.2	67.5°	17622.3	14286.5	3756.9	1301.7	1297.4	1316.7	1391.9	1325.3	1228.7	1224.4
18601.8	70°	15871.7	12351.1	2706.5	1172.8	1175.0	1202.9	1301.7	1284.5	1205.0	1213.6
15639.7	72.5°	12727.0	9416.9	1817.2	1037.5	1039.6	1084.7	1215.8	1252.3	1181.4	1295.3
11096.7	75°	8476.1	5872.7	1168.5	893.6	895.7	953.7	1140.6	1190.0	1117.0	1291.0
5773.9	77.5°	4072.6	2639.9	846.3	751.8	751.8	805.5	985.9	1065.4	951.6	1003.1
1855.9	80°	1407.0	992.4	665.9	605.7	592.9	629.4	831.3	923.6	820.5	756.1
605.7	82.5°	554.2	515.5	534.9	470.4	427.5	451.1	646.6	762.5	603.6	545.6
341.5	85°	317.9	335.1	378.1	311.5	247.0	277.1	474.7	547.7	455.4	401.7
111.7	87.5°	85.9	118.1	174.0	161.1	111.7	118.1	225.5	302.9	262.1	201.9
0.0	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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180°
4534.5
4650.5
4835.2
5058.6
5264.8
5337.8
5340.0
5245.5
5024.2
4710.6
4382.0
4081.2
3814.9
3481.9
3108.2
2736.6
2403.6
2124.4
1847.3
1690.5
1591.7
1522.9
1475.7
1424.1
1336.1
1263.0
1233.0
1230.8
1211.5
1312.4
1301.7
919.4
708.8
543.4
410.3
208.4
0.0

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