

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: P849968

Luminaire Tested: **GLAN-SB7B-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849968
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-SB7B-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38710 lumens
Efficiency: N/A
Efficacy: 150.8 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

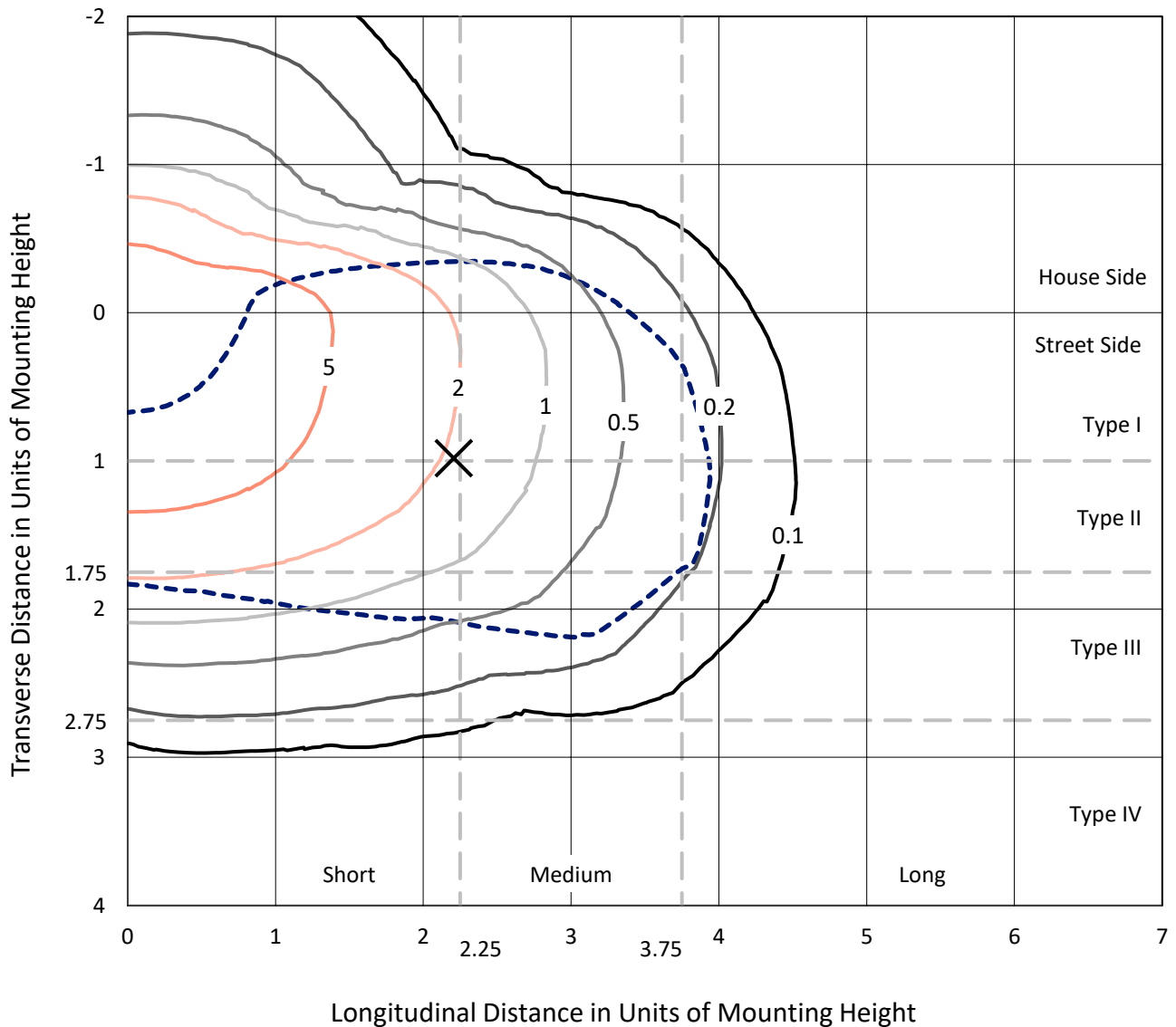
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

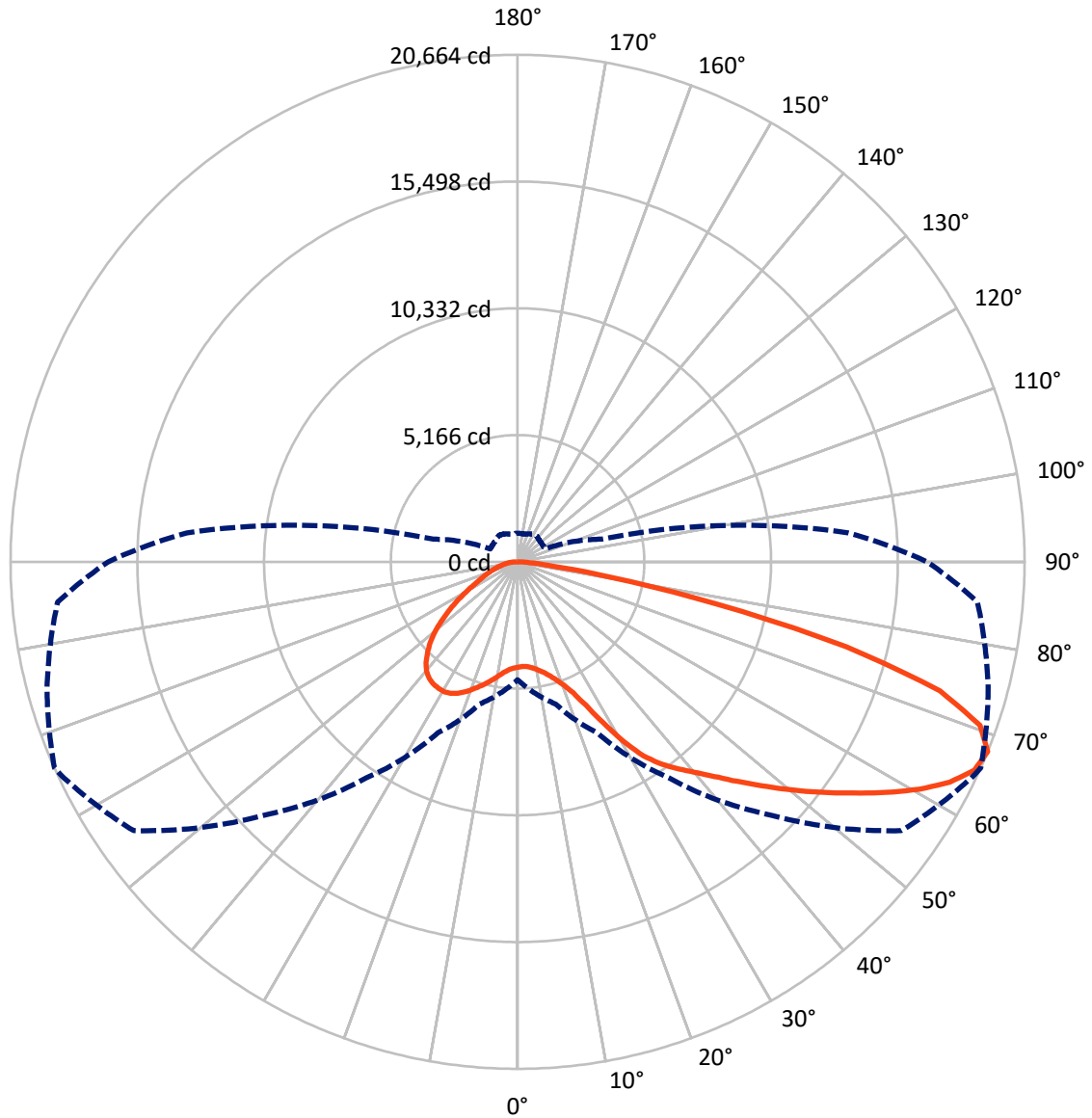
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	9625.1	0.0	9625.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	29084.9	0.0	29084.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	38710.0	0.0	38710.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.7	1.1
10°-20°	1406.4	3.6
20°-30°	2710.7	7.0
30°-40°	4752.9	12.3
40°-50°	7066.0	18.3
50°-60°	8956.9	23.1
60°-70°	8764.1	22.6
70°-80°	4180.5	10.8
80°-90°	446.8	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°	38710.0	100.0
0°-180°	38710.0	100.0

Coefficient of Utilization

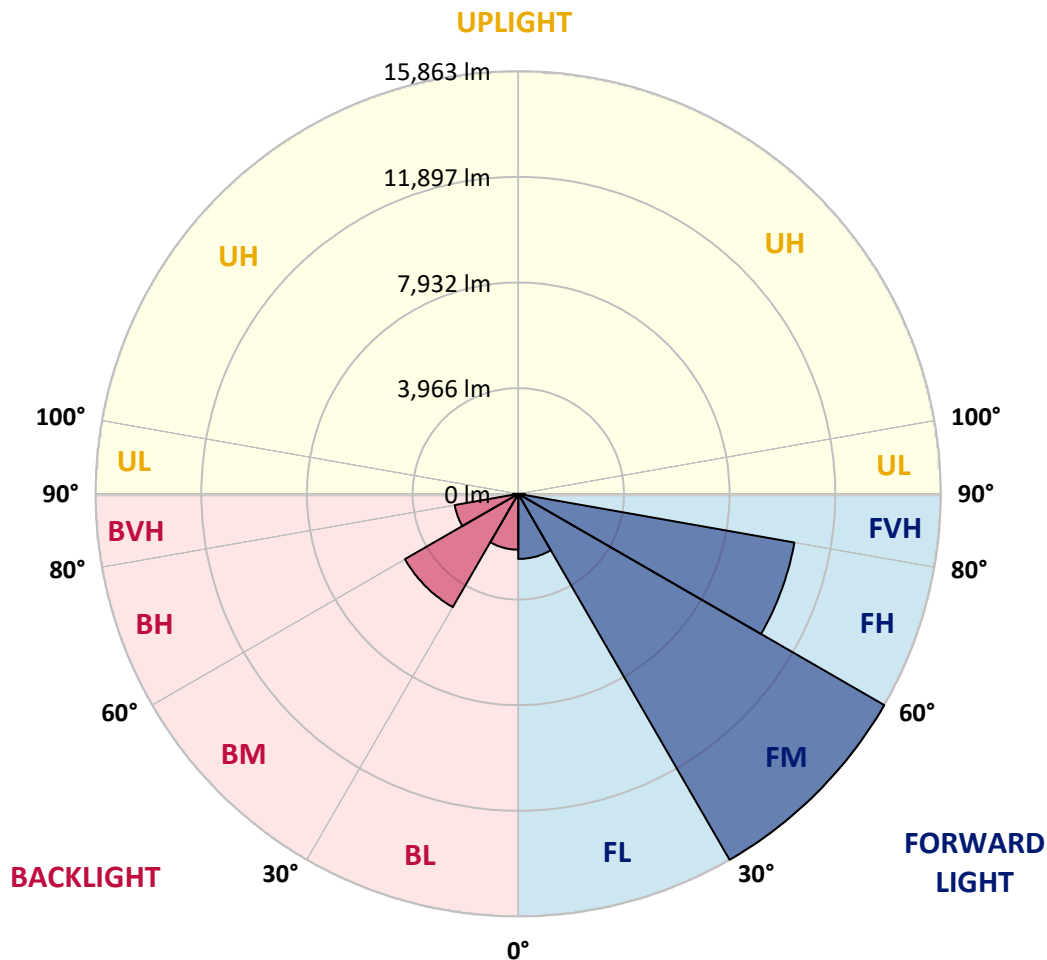


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2446.1	6.3			
FM (30°-60°)	15863.0	41.0			
FH (60°-80°)	10522.4	27.2			G4/12000
FVH (80°-90°)	253.3	0.7			G3/500
BL (0°-30°)	2096.7	5.4	B3/2500		
BM (30°-60°)	4912.8	12.7	B3/5000		
BH (60°-80°)	2422.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	193.5	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°	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5
2.5°	4248.7	4273.1	4267.0	4256.8	4254.8	4258.9	4265.0	4271.1	4269.0	4279.2
5°	4236.5	4260.9	4258.9	4258.9	4267.0	4283.3	4293.5	4303.6	4293.5	4305.7
7.5°	4244.6	4262.9	4271.1	4279.2	4299.6	4330.1	4354.5	4376.8	4364.6	4378.9
10°	4348.4	4362.6	4370.7	4370.7	4385.0	4419.5	4444.0	4484.6	4474.5	4496.8
12.5°	4537.5	4551.7	4551.7	4543.6	4553.8	4576.2	4584.3	4629.0	4610.7	4647.3
15°	4769.4	4797.8	4775.5	4761.2	4765.3	4787.7	4785.6	4820.2	4801.9	4832.4
17.5°	5025.6	5062.2	5025.6	5023.6	5015.5	5039.9	5041.9	5072.4	5039.9	5062.2
20°	5328.7	5379.5	5349.0	5359.2	5340.9	5351.1	5361.2	5406.0	5355.1	5371.4
22.5°	5755.8	5816.8	5784.3	5822.9	5810.7	5802.6	5800.5	5879.9	5800.5	5806.6
25°	6378.1	6451.4	6394.4	6447.3	6447.3	6473.7	6504.2	6605.9	6473.7	6435.1
27.5°	7297.4	7370.7	7258.8	7291.3	7281.2	7346.3	7313.7	7565.9	7423.5	7360.5
30°	8403.9	8534.0	8322.5	8314.4	8304.2	8407.9	8454.7	8621.5	8477.1	8414.0
32.5°	9599.8	9736.0	9483.8	9410.6	9372.0	9435.0	9396.4	9530.6	9430.9	9333.3
35°	10864.8	10999.0	10759.0	10616.7	10462.1	10329.9	10191.6	10226.2	10132.6	9984.2
37.5°	12060.7	12306.8	12052.6	11900.0	11615.3	11357.0	10970.6	10809.9	10722.4	10586.2
40°	13279.0	13419.3	13226.1	13095.9	12786.8	12382.1	11763.8	11424.1	11306.2	11174.0
42.5°	14175.9	14310.1	14206.4	14116.9	13874.9	13405.1	12605.8	12180.7	12009.9	11861.4
45°	14887.8	14987.4	14922.3	14954.9	14851.1	14395.6	13478.3	12992.2	12815.3	12634.3
47.5°	15174.5	15280.3	15384.0	15577.2	15754.2	15418.6	14415.9	13870.8	13683.7	13498.6
50°	15142.0	15249.8	15550.8	15961.6	16510.8	16398.9	15404.4	14806.4	14633.5	14422.0
52.5°	14881.7	15003.7	15390.1	16073.5	16948.0	17133.1	16411.1	15772.5	15609.8	15357.6
55°	14198.3	14271.5	14851.1	15819.3	17051.8	17645.7	17397.5	16801.6	16638.9	16287.0
57.5°	12931.2	13037.0	13881.0	15133.9	16791.4	17993.4	18263.9	17883.6	17727.0	17220.6
60°	11277.7	11446.5	12412.6	13982.7	16128.4	17991.4	19051.0	18947.3	18817.2	18139.9
62.5°	9406.5	9601.8	10531.3	12355.6	14969.1	17480.9	19543.2	19838.1	19771.0	18988.0
65°	7224.2	7358.5	8283.9	10250.6	13165.1	16384.7	19600.2	20446.3	20458.5	19632.7
67.5°	4810.0	5196.5	5999.8	7692.0	10748.9	14592.9	19099.9	20545.9	20663.9	19854.4
70°	2347.1	2855.5	3642.6	4999.2	7692.0	11845.1	17792.1	19728.3	19990.7	19207.6
72.5°	974.2	1139.0	1568.1	2467.1	4415.5	7993.0	15164.4	17511.4	17997.5	17019.2
75°	656.9	711.8	896.9	1265.1	2011.5	3941.6	10936.0	13057.3	13840.3	12853.9
77.5°	506.4	541.0	652.9	884.7	1195.9	1490.8	5853.4	7869.0	8273.7	7659.5
80°	398.6	425.1	488.1	644.7	848.1	797.3	1995.2	3565.3	3799.2	3187.0
82.5°	345.8	355.9	349.8	437.3	563.4	465.8	654.9	1315.9	1452.2	1053.5
85°	250.2	278.6	290.8	270.5	299.0	235.9	268.5	465.8	512.5	457.6
87.5°	101.7	150.5	185.1	174.9	109.8	67.1	83.4	136.3	156.6	170.8
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°
4293.5	0°	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5	4293.5
4295.5	2.5°	4297.5	4311.8	4321.9	4334.1	4342.3	4354.5	4378.9	4393.1	4395.1	4405.3
4328.0	5°	4336.2	4356.5	4378.9	4411.4	4448.0	4478.5	4525.3	4557.9	4570.1	4580.2
4407.3	7.5°	4419.5	4448.0	4488.7	4545.6	4598.5	4639.2	4696.2	4734.8	4773.4	4787.7
4533.4	10°	4543.6	4584.3	4643.3	4720.6	4777.5	4830.4	4889.4	4921.9	4960.6	4976.8
4683.9	12.5°	4698.2	4740.9	4818.2	4926.0	4978.9	5015.5	5035.8	5027.7	5035.8	5050.0
4865.0	15°	4875.1	4921.9	5009.4	5125.3	5161.9	5129.4	5084.6	5043.9	5037.8	5041.9
5084.6	17.5°	5084.6	5119.2	5220.9	5318.5	5292.1	5157.8	5060.2	4995.1	4962.6	4952.4
5365.3	20°	5377.5	5377.5	5460.9	5521.9	5344.9	5117.2	4964.6	4858.9	4791.7	4763.3
5747.7	22.5°	5733.4	5700.9	5753.8	5711.0	5334.8	5003.3	4791.7	4608.7	4507.0	4466.3
6282.6	25°	6184.9	6146.3	6132.0	5867.6	5261.6	4822.3	4478.5	4256.8	4167.4	4145.0
7053.4	27.5°	6866.3	6768.6	6583.6	5953.1	5127.3	4537.5	4112.4	3907.0	3856.2	3858.2
8043.9	30°	7773.4	7578.1	7124.6	5967.3	4907.7	4134.8	3738.2	3591.8	3567.4	3577.5
8875.7	32.5°	8613.3	8428.3	7677.8	5902.2	4570.1	3740.2	3402.6	3305.0	3268.4	3280.6
9510.3	35°	9272.3	9221.5	8190.3	5810.7	4155.1	3370.1	3101.6	3018.2	2947.0	2930.8
10108.2	37.5°	9894.7	9874.3	8574.7	5682.6	3744.3	3107.7	2859.6	2749.8	2646.0	2589.1
10769.2	40°	10578.0	10557.7	8826.9	5485.3	3380.3	2879.9	2642.0	2497.6	2369.4	2265.7
11517.7	42.5°	11346.8	11226.8	8946.9	5202.6	3071.1	2686.7	2465.0	2269.8	2101.0	2005.4
12363.8	45°	12186.8	11916.3	8944.9	4842.6	2810.8	2509.8	2275.9	1999.3	1842.7	1753.2
13232.2	47.5°	13077.6	12575.3	8835.0	4444.0	2558.6	2314.5	1983.0	1771.5	1667.8	1612.8
14175.9	50°	13996.9	13191.5	8647.9	3986.3	2300.3	2092.8	1800.0	1655.6	1576.2	1525.4
15111.5	52.5°	14861.3	13750.8	8422.2	3467.7	2037.9	1877.2	1718.6	1606.7	1523.4	1466.4
16018.6	55°	15664.7	14232.9	8102.8	2936.9	1824.4	1732.8	1680.0	1586.4	1490.8	1423.7
16939.9	57.5°	16378.6	14546.1	7551.7	2438.6	1671.8	1633.2	1639.3	1551.8	1442.0	1385.0
17847.0	60°	16972.5	14775.9	6736.1	1976.9	1547.8	1535.6	1576.2	1486.7	1358.6	1293.5
18613.8	62.5°	17328.4	14771.8	5735.4	1618.9	1442.0	1446.1	1492.8	1405.4	1275.2	1214.2
19014.4	65°	17297.9	14409.8	4637.2	1385.0	1340.3	1344.4	1405.4	1315.9	1206.1	1169.5
18813.1	67.5°	16685.7	13527.1	3557.2	1232.5	1228.4	1246.7	1317.9	1254.9	1163.4	1159.3
17613.1	70°	15028.1	11694.6	2562.6	1110.5	1112.5	1139.0	1232.5	1216.2	1141.0	1149.1
14808.4	72.5°	12050.5	8916.4	1720.6	982.3	984.4	1027.1	1151.2	1185.7	1118.6	1226.4
10506.9	75°	8025.6	5560.5	1106.4	846.1	848.1	903.0	1080.0	1126.8	1057.6	1222.3
5467.0	77.5°	3856.2	2499.6	801.3	711.8	711.8	762.7	933.5	1008.8	901.0	949.8
1757.2	80°	1332.2	939.6	630.5	573.5	561.3	595.9	787.1	874.6	776.9	715.9
573.5	82.5°	524.7	488.1	506.4	445.4	404.7	427.1	612.2	722.0	571.5	516.6
323.4	85°	301.0	317.3	358.0	294.9	233.9	262.4	449.5	518.6	431.2	380.3
105.8	87.5°	81.4	111.9	164.7	152.5	105.8	111.9	213.6	286.8	248.1	191.2
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°
4293.5
4403.3
4578.2
4789.7
4985.0
5054.1
5056.1
4966.7
4757.2
4460.2
4149.0
3864.3
3612.1
3296.9
2943.0
2591.1
2275.9
2011.5
1749.1
1600.6
1507.1
1442.0
1397.3
1348.4
1265.1
1195.9
1167.4
1165.4
1147.1
1242.7
1232.5
870.5
671.2
514.6
388.5
197.3
0.0

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