

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: P851158

Luminaire Tested: **GLAN-SB9A-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851158
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-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39494 lumens
Efficiency: N/A
Efficacy: 154.6 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

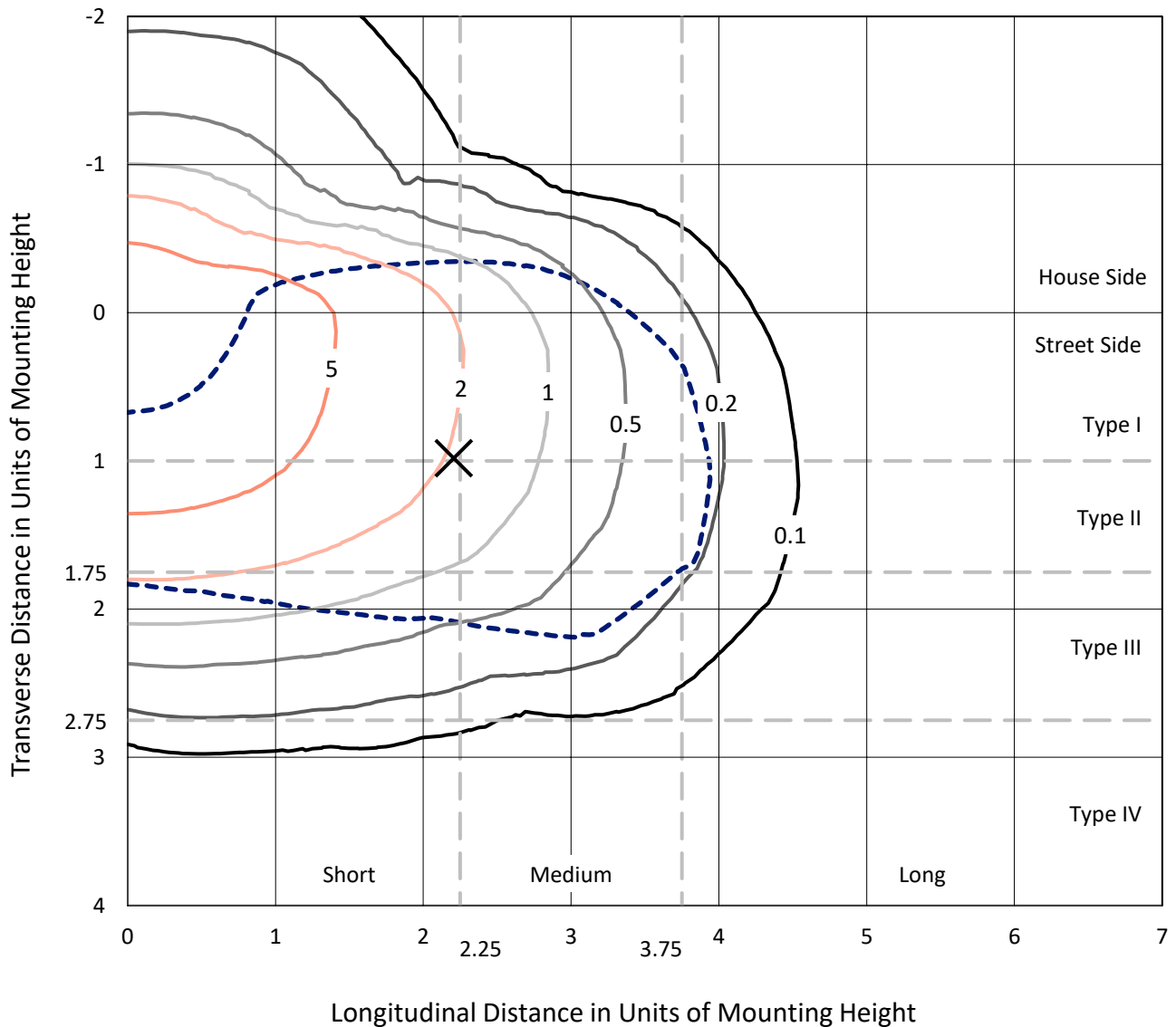
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

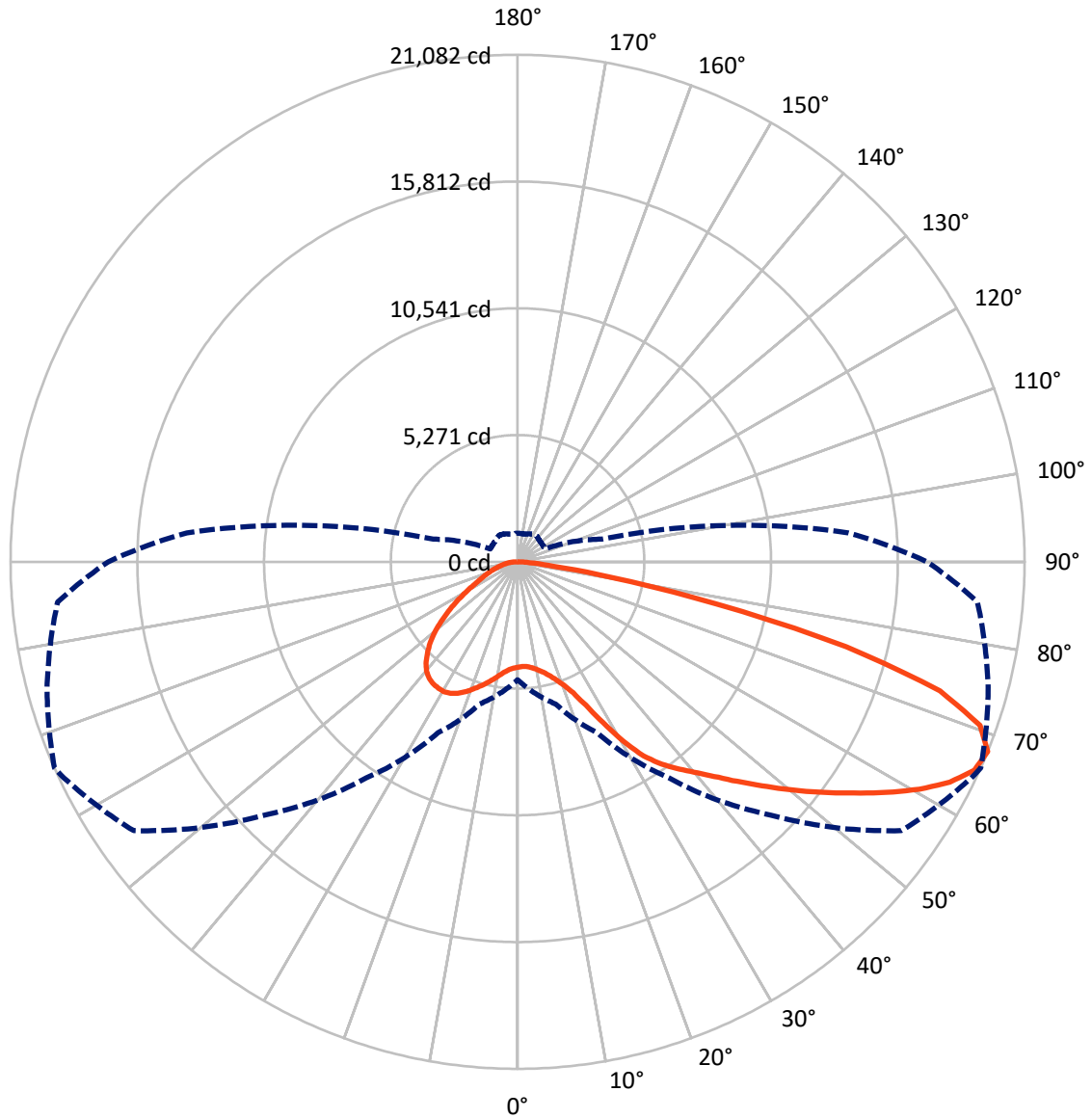
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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
House Side	Lumens	9820.1	0.0	9820.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	29673.9	0.0	29673.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	39494.0	0.0	39494.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.3	1.1
10°-20°	1434.9	3.6
20°-30°	2765.6	7.0
30°-40°	4849.2	12.3
40°-50°	7209.1	18.3
50°-60°	9138.3	23.1
60°-70°	8941.6	22.6
70°-80°	4265.2	10.8
80°-90°	455.8	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°	39494.0	100.0
0°-180°	39494.0	100.0

Coefficient of Utilization



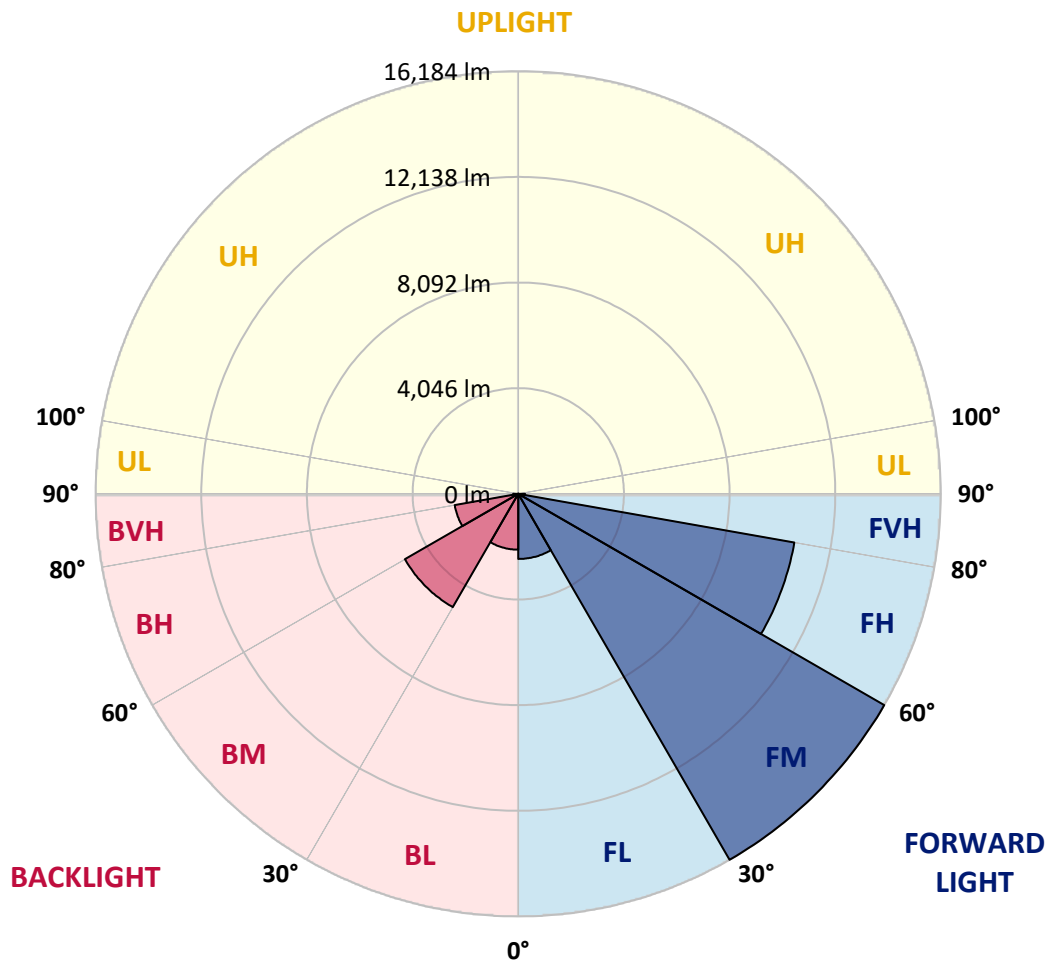
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2495.6	6.3			
FM (30°-60°)	16184.3	41.0			
FH (60°-80°)	10735.6	27.2			G4/12000
FVH (80°-90°)	258.4	0.7			G3/500
BL (0°-30°)	2139.2	5.4	B3/2500		
BM (30°-60°)	5012.3	12.7	B4/8500		
BH (60°-80°)	2471.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	197.4	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°	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4
2.5°	4334.8	4359.7	4353.4	4343.1	4341.0	4345.1	4351.4	4357.6	4355.5	4365.9
5°	4322.3	4347.2	4345.1	4345.1	4353.4	4370.0	4380.4	4390.8	4380.4	4392.9
7.5°	4330.6	4349.3	4357.6	4365.9	4386.6	4417.8	4442.7	4465.5	4453.0	4467.6
10°	4436.4	4451.0	4459.3	4459.3	4473.8	4509.1	4534.0	4575.5	4565.1	4587.9
12.5°	4629.4	4643.9	4643.9	4635.6	4646.0	4668.8	4677.1	4722.8	4704.1	4741.5
15°	4866.0	4895.0	4872.2	4857.7	4861.8	4884.6	4882.6	4917.8	4899.2	4930.3
17.5°	5127.4	5164.8	5127.4	5125.3	5117.0	5141.9	5144.0	5175.1	5141.9	5164.8
20°	5436.6	5488.5	5457.4	5467.7	5449.1	5459.4	5469.8	5515.5	5463.6	5480.2
22.5°	5872.4	5934.6	5901.4	5940.8	5928.4	5920.1	5918.0	5998.9	5918.0	5924.2
25°	6507.3	6582.0	6523.9	6577.9	6577.9	6604.8	6636.0	6739.7	6604.8	6565.4
27.5°	7445.2	7519.9	7405.8	7439.0	7428.6	7495.0	7461.8	7719.1	7573.9	7509.6
30°	8574.1	8706.9	8491.1	8482.8	8472.4	8578.2	8625.9	8796.1	8648.8	8584.4
32.5°	9794.2	9933.2	9675.9	9601.2	9561.8	9626.1	9586.7	9723.6	9622.0	9522.4
35°	11084.9	11221.8	10977.0	10831.7	10674.0	10539.1	10398.0	10433.3	10337.8	10186.4
37.5°	12305.0	12556.1	12296.7	12141.1	11850.5	11587.0	11192.8	11028.8	10939.6	10800.6
40°	13547.9	13691.1	13494.0	13361.2	13045.8	12632.8	12002.0	11655.5	11535.1	11400.3
42.5°	14463.0	14600.0	14494.1	14402.8	14155.9	13676.6	12861.1	12427.4	12253.1	12101.6
45°	15189.3	15291.0	15224.6	15257.8	15151.9	14687.1	13751.3	13255.3	13074.8	12890.1
47.5°	15481.9	15589.8	15695.6	15892.7	16073.2	15730.9	14707.9	14151.8	13960.9	13772.0
50°	15448.7	15558.6	15865.7	16284.9	16845.2	16731.0	15716.3	15106.3	14929.9	14714.1
52.5°	15183.1	15307.6	15701.8	16399.0	17291.3	17480.1	16743.5	16091.9	15925.9	15668.6
55°	14485.8	14560.5	15151.9	16139.7	17397.1	18003.0	17749.9	17141.9	16975.9	16616.9
57.5°	13193.1	13301.0	14162.1	15440.4	17131.5	18357.9	18633.8	18245.8	18086.0	17569.4
60°	11506.1	11678.3	12664.0	14265.9	16455.1	18355.8	19436.9	19331.1	19198.3	18507.3
62.5°	9597.1	9796.3	10744.5	12605.9	15272.3	17835.0	19939.0	20239.9	20171.5	19372.6
65°	7370.5	7507.5	8451.6	10458.2	13431.7	16716.5	19997.1	20860.4	20872.8	20030.3
67.5°	4907.5	5301.7	6121.4	7847.8	10966.6	14888.4	19486.7	20962.0	21082.4	20256.5
70°	2394.6	2913.4	3716.4	5100.4	7847.8	12085.0	18152.4	20127.9	20395.6	19596.7
72.5°	993.9	1162.0	1599.9	2517.0	4504.9	8154.9	15471.5	17866.1	18362.0	17363.9
75°	670.2	726.3	915.1	1290.7	2052.2	4021.4	11157.5	13321.7	14120.6	13114.2
77.5°	516.7	552.0	666.1	902.6	1220.1	1521.0	5972.0	8028.3	8441.3	7814.6
80°	406.7	433.7	498.0	657.8	865.3	813.4	2035.6	3637.5	3876.2	3251.6
82.5°	352.8	363.1	356.9	446.1	574.8	475.2	668.2	1342.5	1481.6	1074.9
85°	255.2	284.3	296.7	276.0	305.0	240.7	273.9	475.2	522.9	466.9
87.5°	103.8	153.6	188.8	178.5	112.1	68.5	85.1	139.0	159.8	174.3
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°
4380.4	0°	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4
4382.5	2.5°	4384.6	4399.1	4409.5	4421.9	4430.2	4442.7	4467.6	4482.1	4484.2	4494.5
4415.7	5°	4424.0	4444.7	4467.6	4500.8	4538.1	4569.2	4617.0	4650.2	4662.6	4673.0
4496.6	7.5°	4509.1	4538.1	4579.6	4637.7	4691.7	4733.2	4791.3	4830.7	4870.1	4884.6
4625.3	10°	4635.6	4677.1	4737.3	4816.2	4874.3	4928.2	4988.4	5021.6	5061.0	5077.6
4778.8	12.5°	4793.3	4836.9	4915.8	5025.7	5079.7	5117.0	5137.8	5129.5	5137.8	5152.3
4963.5	15°	4973.9	5021.6	5110.8	5229.1	5266.4	5233.2	5187.6	5146.1	5139.9	5144.0
5187.6	17.5°	5187.6	5222.9	5326.6	5426.2	5399.3	5262.3	5162.7	5096.3	5063.1	5052.7
5474.0	20°	5486.4	5486.4	5571.5	5633.7	5453.2	5220.8	5065.2	4957.3	4888.8	4859.7
5864.1	22.5°	5849.5	5816.3	5870.3	5826.7	5442.8	5104.6	4888.8	4702.0	4598.3	4556.8
6409.8	25°	6310.2	6270.8	6256.2	5986.5	5368.1	4919.9	4569.2	4343.1	4251.8	4228.9
7196.2	27.5°	7005.3	6905.7	6716.9	6073.6	5231.2	4629.4	4195.7	3986.1	3934.3	3936.3
8206.8	30°	7930.8	7731.6	7268.9	6088.2	5007.1	4218.6	3813.9	3664.5	3639.6	3650.0
9055.5	32.5°	8787.8	8599.0	7833.3	6021.8	4662.6	3816.0	3471.5	3371.9	3334.6	3347.0
9702.9	35°	9460.1	9408.2	8356.2	5928.4	4239.3	3438.3	3164.4	3079.4	3006.7	2990.1
10312.9	37.5°	10095.1	10074.3	8748.4	5797.7	3820.1	3170.7	2917.5	2805.5	2699.6	2641.5
10987.3	40°	10792.3	10771.5	9005.7	5596.4	3448.7	2938.3	2695.5	2548.1	2417.4	2311.6
11750.9	42.5°	11576.6	11454.2	9128.1	5307.9	3133.3	2741.1	2514.9	2315.7	2143.5	2046.0
12614.2	45°	12433.6	12157.7	9126.0	4940.7	2867.7	2560.6	2322.0	2039.8	1880.0	1788.7
13500.2	47.5°	13342.5	12830.0	9014.0	4534.0	2610.4	2361.4	2023.2	1807.4	1701.5	1645.5
14463.0	50°	14280.4	13458.7	8823.1	4067.1	2346.9	2135.2	1836.4	1689.1	1608.2	1556.3
15417.5	52.5°	15162.3	14029.3	8592.7	3537.9	2079.2	1915.3	1753.4	1639.3	1554.2	1496.1
16343.0	55°	15981.9	14521.1	8267.0	2996.4	1861.3	1767.9	1714.0	1618.5	1521.0	1452.5
17283.0	57.5°	16710.3	14840.7	7704.6	2488.0	1705.7	1666.3	1672.5	1583.3	1471.2	1413.1
18208.5	60°	17316.2	15075.2	6872.5	2016.9	1579.1	1566.7	1608.2	1516.9	1386.1	1319.7
18990.8	62.5°	17679.3	15071.0	5851.6	1651.7	1471.2	1475.4	1523.1	1433.9	1301.0	1238.8
19399.5	65°	17648.2	14701.6	4731.1	1413.1	1367.5	1371.6	1433.9	1342.5	1230.5	1193.1
19194.1	67.5°	17023.6	13801.1	3629.2	1257.5	1253.3	1272.0	1344.6	1280.3	1186.9	1182.8
17969.8	70°	15332.5	11931.5	2614.5	1133.0	1135.0	1162.0	1257.5	1240.9	1164.1	1172.4
15108.4	72.5°	12294.6	9097.0	1755.5	1002.2	1004.3	1047.9	1174.5	1209.7	1141.3	1251.2
10719.6	75°	8188.1	5673.2	1128.8	863.2	865.3	921.3	1101.8	1149.6	1079.0	1247.1
5577.7	77.5°	3934.3	2550.2	817.6	726.3	726.3	778.1	952.4	1029.2	919.2	969.0
1792.8	80°	1359.2	958.7	643.3	585.2	572.7	608.0	803.0	892.3	792.7	730.4
585.2	82.5°	535.4	498.0	516.7	454.4	412.9	435.8	624.6	736.6	583.1	527.1
329.9	85°	307.1	323.7	365.2	300.9	238.6	267.7	458.6	529.1	439.9	388.0
107.9	87.5°	83.0	114.1	168.1	155.6	107.9	114.1	217.9	292.6	253.2	195.1
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°
4380.4
4492.5
4670.9
4886.7
5085.9
5156.5
5158.5
5067.2
4853.5
4550.6
4233.1
3942.6
3685.3
3363.6
3002.6
2643.6
2322.0
2052.2
1784.5
1633.1
1537.6
1471.2
1425.6
1375.8
1290.7
1220.1
1191.1
<i>1189.0</i>
1170.3
1267.8
1257.5
888.1
684.8
525.0
396.3
201.3
0.0

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