

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: P941807

Luminaire Tested: **GLAN-SB5C-735-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37856 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 249.5
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



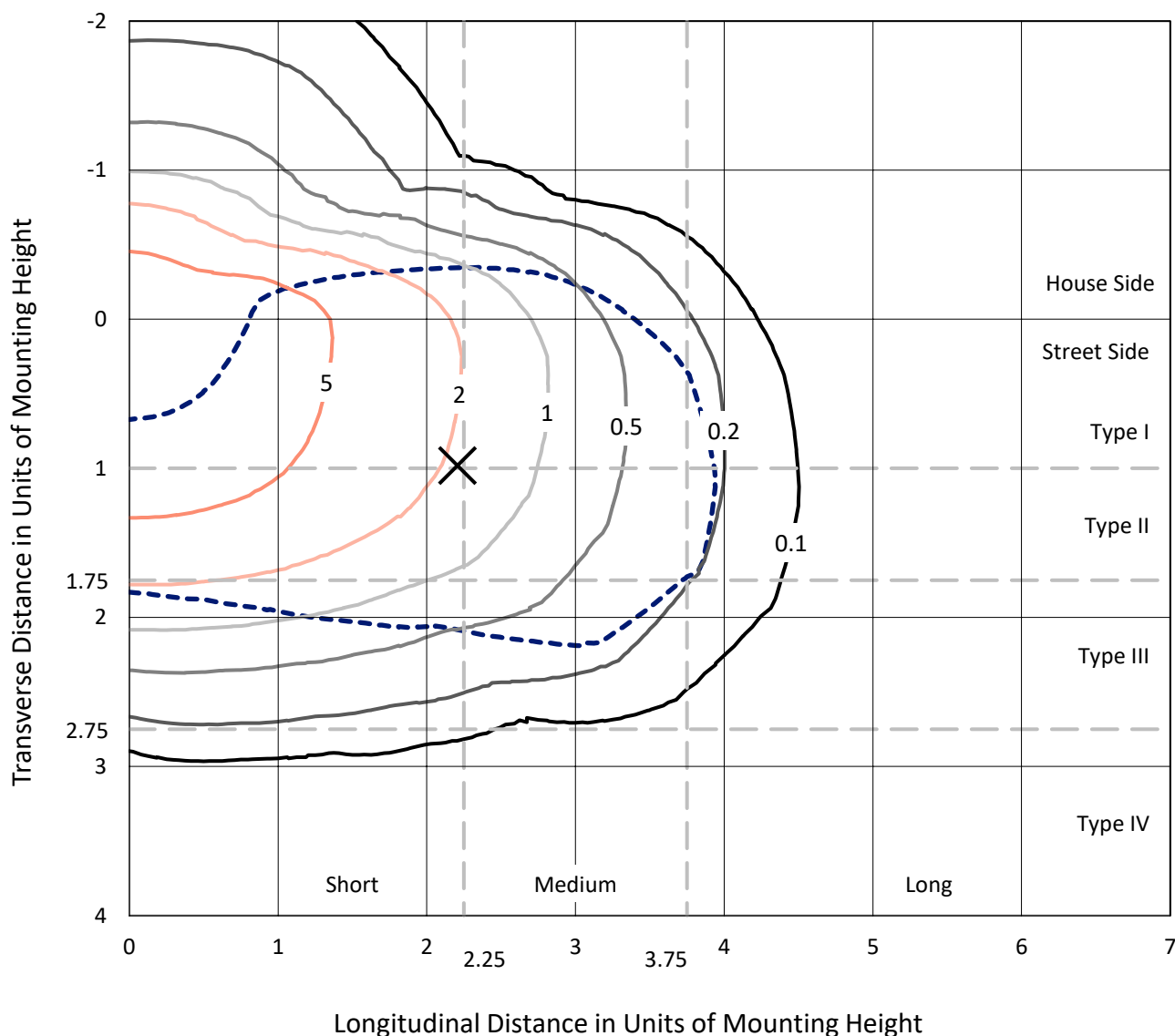
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

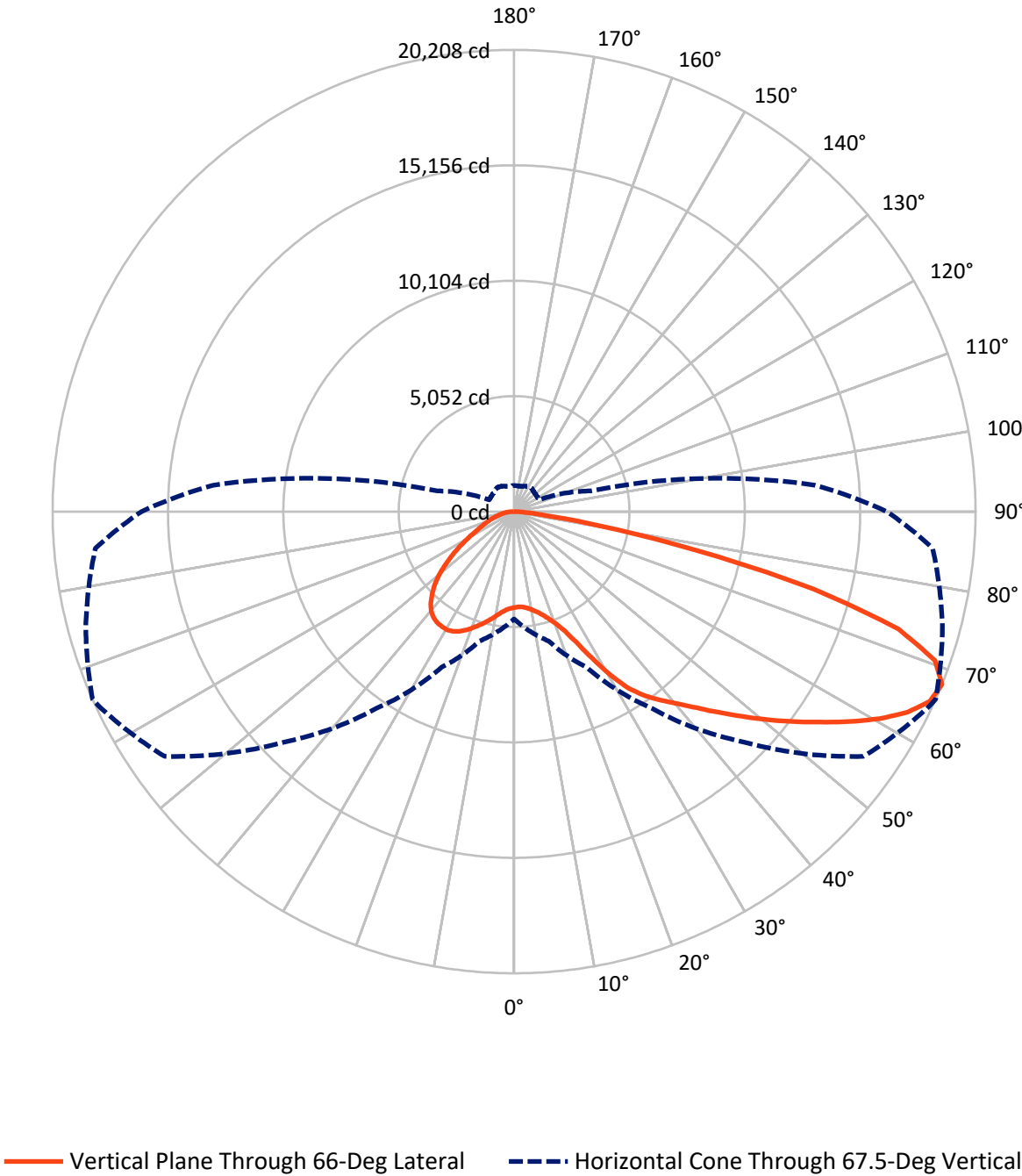


Based on 25 foot mounting height. Maximum calculated value = 9.5 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9412.8	0.0	9412.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	28443.2	0.0	28443.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	37856.0	0.0	37856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.3	1.1
10°-20°	1375.4	3.6
20°-30°	2650.9	7.0
30°-40°	4648.1	12.3
40°-50°	6910.1	18.3
50°-60°	8759.3	23.1
60°-70°	8570.7	22.6
70°-80°	4088.3	10.8
80°-90°	436.9	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°	37856.0	100.0
0°-180°	37856.0	100.0

Coefficient of Utilization



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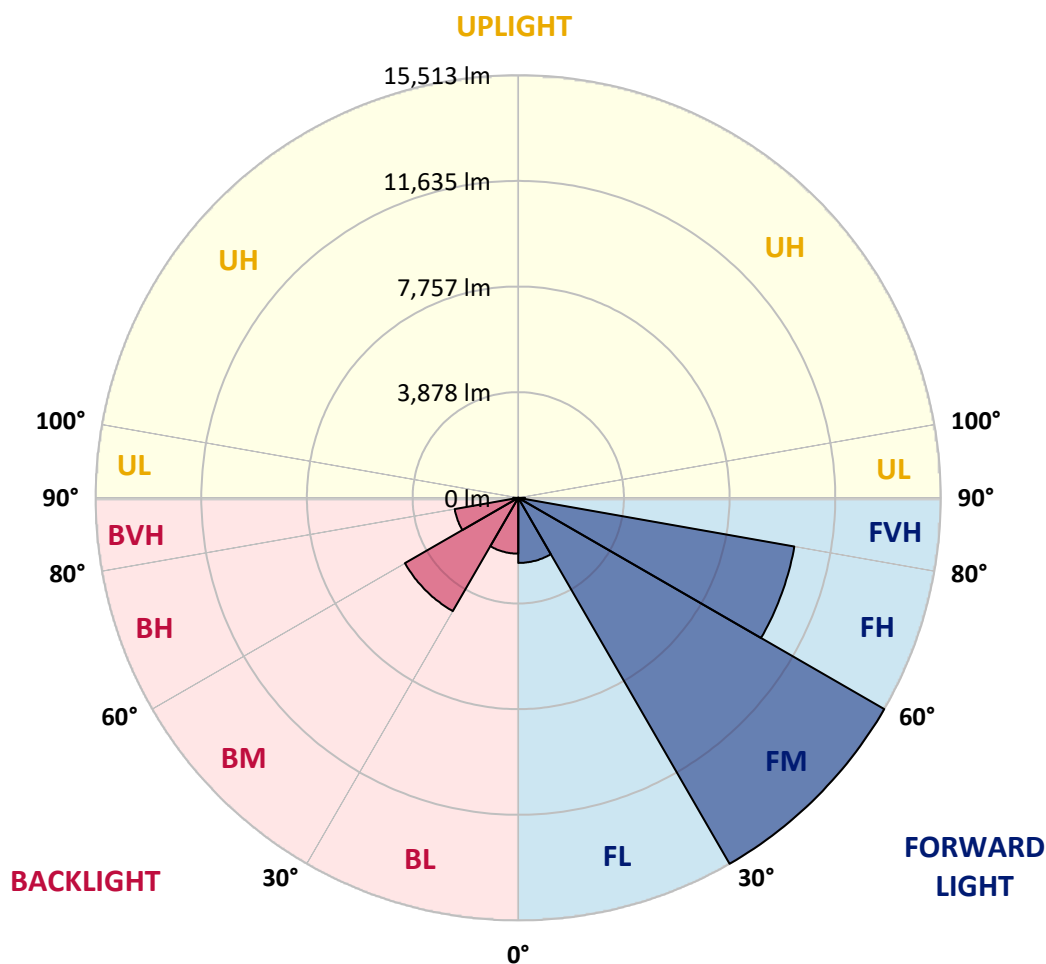
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2392.1	6.3			
FM	(30°-60°)	15513.1	41.0			
FH	(60°-80°)	10290.3	27.2			G4/12000
FVH	(80°-90°)	247.7	0.7			G3/500
BL	(0°-30°)	2050.4	5.4	B3/2500		
BM	(30°-60°)	4804.4	12.7	B3/5000		
BH	(60°-80°)	2368.7	6.3	B3/2500		G3/2500
BVH	(80°-90°)	189.2	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°	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7
2.5°	4155.0	4178.8	4172.9	4162.9	4160.9	4164.9	4170.9	4176.9	4174.9	4184.8
5°	4143.0	4166.9	4164.9	4164.9	4172.9	4188.8	4198.7	4208.7	4198.7	4210.7
7.5°	4151.0	4168.9	4176.9	4184.8	4204.7	4234.5	4258.4	4280.3	4268.3	4282.3
10°	4252.4	4266.4	4274.3	4274.3	4288.2	4322.0	4345.9	4385.7	4375.7	4397.6
12.5°	4437.4	4451.3	4451.3	4443.4	4453.3	4475.2	4483.2	4526.9	4509.0	4544.8
15°	4664.2	4692.0	4670.1	4656.2	4660.2	4682.1	4680.1	4713.9	4696.0	4725.8
17.5°	4914.8	4950.6	4914.8	4912.8	4904.8	4928.7	4930.7	4960.5	4928.7	4950.6
20°	5211.1	5260.8	5231.0	5241.0	5223.1	5233.0	5242.9	5286.7	5237.0	5252.9
22.5°	5628.8	5688.5	5656.7	5694.4	5682.5	5674.6	5672.6	5750.1	5672.6	5678.5
25°	6237.4	6309.0	6253.3	6305.1	6305.1	6330.9	6360.7	6460.2	6330.9	6293.1
27.5°	7136.4	7208.1	7098.7	7130.5	7120.5	7184.2	7152.4	7399.0	7259.8	7198.1
30°	8218.5	8345.7	8138.9	8130.9	8121.0	8222.4	8268.2	8431.3	8290.1	8228.4
32.5°	9388.0	9521.2	9274.6	9203.0	9165.2	9226.9	9189.1	9320.3	9222.9	9127.4
35°	10625.1	10756.4	10521.7	10382.5	10231.3	10102.0	9966.8	10000.6	9909.1	9763.9
37.5°	11794.6	12035.3	11786.7	11637.5	11359.0	11106.4	10728.5	10571.4	10485.9	10352.6
40°	12986.0	13123.3	12934.3	12807.0	12504.7	12108.9	11504.2	11172.1	11056.7	10927.4
42.5°	13863.2	13994.4	13893.0	13805.5	13568.8	13109.3	12327.7	11912.0	11744.9	11599.7
45°	14559.3	14656.8	14593.1	14624.9	14523.5	14078.0	13181.0	12705.6	12532.5	12355.5
47.5°	14839.8	14943.2	15044.6	15233.6	15406.6	15078.4	14097.9	13564.8	13381.8	13200.8
50°	14807.9	14913.4	15207.7	15609.5	16146.5	16037.1	15064.5	14479.8	14310.7	14103.8
52.5°	14553.3	14672.7	15050.6	15718.9	16574.1	16755.1	16049.1	15424.5	15265.4	15018.8
55°	13885.0	13956.7	14523.5	15470.3	16675.6	17256.4	17013.7	16430.9	16271.8	15927.7
57.5°	12645.9	12749.3	13574.8	14800.0	16421.0	17596.5	17861.0	17489.1	17335.9	16840.7
60°	11028.9	11194.0	12138.7	13674.2	15772.6	17594.5	18630.7	18529.3	18402.0	17739.7
62.5°	9199.0	9390.0	10298.9	12083.0	14638.9	17095.3	19112.1	19400.5	19334.8	18569.1
65°	7064.8	7196.1	8101.1	10024.4	12874.6	16023.2	19167.8	19995.2	20007.1	19199.6
67.5°	4703.9	5081.8	5867.5	7522.3	10511.7	14270.9	18678.5	20092.6	20208.0	19416.4
70°	2295.3	2792.5	3562.3	4888.9	7522.3	11583.8	17399.6	19293.1	19549.7	18783.9
72.5°	952.7	1113.8	1533.5	2412.6	4318.1	7816.7	14829.8	17125.1	17600.5	16643.8
75°	642.4	696.1	877.1	1237.1	1967.1	3854.6	10694.7	12769.2	13535.0	12570.3
77.5°	495.3	529.1	638.5	865.2	1169.5	1457.9	5724.3	7695.4	8091.2	7490.5
80°	389.8	415.7	477.4	630.5	829.4	779.7	1951.2	3486.7	3715.4	3116.7
82.5°	338.1	348.1	342.1	427.6	550.9	455.5	640.5	1286.9	1420.1	1030.3
85°	244.6	272.5	284.4	264.5	292.4	230.7	262.5	455.5	501.2	447.5
87.5°	99.4	147.2	181.0	171.1	107.4	65.6	81.5	133.3	153.2	167.1
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°
4198.7	0°	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7	4198.7
4200.7	2.5°	4202.7	4216.6	4226.6	4238.5	4246.5	4258.4	4282.3	4296.2	4298.2	4308.1
4232.5	5°	4240.5	4260.4	4282.3	4314.1	4349.9	4379.7	4425.5	4457.3	4469.2	4479.2
4310.1	7.5°	4322.0	4349.9	4389.7	4445.4	4497.1	4536.9	4592.5	4630.3	4668.1	4682.1
4433.4	10°	4443.4	4483.2	4540.8	4616.4	4672.1	4723.8	4781.5	4813.3	4851.1	4867.0
4580.6	12.5°	4594.5	4636.3	4711.9	4817.3	4869.0	4904.8	4924.7	4916.8	4924.7	4938.6
4757.6	15°	4767.6	4813.3	4898.9	5012.2	5048.0	5016.2	4972.4	4932.7	4926.7	4930.7
4972.4	17.5°	4972.4	5006.3	5105.7	5201.2	5175.3	5044.0	4948.6	4884.9	4853.1	4843.2
5246.9	20°	5258.9	5258.9	5340.4	5400.1	5227.0	5004.3	4855.1	4751.7	4686.0	4658.2
5620.8	22.5°	5606.9	5575.1	5626.8	5585.0	5217.1	4892.9	4686.0	4507.0	4407.6	4367.8
6144.0	25°	6048.5	6010.7	5996.8	5738.2	5145.5	4715.9	4379.7	4162.9	4075.4	4053.5
6897.8	27.5°	6714.8	6619.3	6438.3	5821.7	5014.2	4437.4	4021.7	3820.8	3771.1	3773.1
7866.4	30°	7601.9	7410.9	6967.4	5835.7	4799.4	4043.6	3655.7	3512.5	3488.7	3498.6
8679.9	32.5°	8423.3	8242.3	7508.4	5772.0	4469.2	3657.7	3327.6	3232.1	3196.3	3208.2
9300.5	35°	9067.7	9018.0	8009.6	5682.5	4063.5	3295.7	3033.2	2951.6	2882.0	2866.1
9885.2	37.5°	9676.4	9656.5	8385.5	5557.2	3661.7	3039.2	2796.5	2689.1	2587.7	2532.0
10531.6	40°	10344.7	10324.8	8632.2	5364.3	3305.7	2816.4	2583.7	2442.5	2317.2	2215.7
11263.6	42.5°	11096.5	10979.2	8749.5	5087.8	3003.4	2627.4	2410.6	2219.7	2054.6	1961.1
12091.0	45°	11918.0	11653.4	8747.5	4735.8	2748.8	2454.4	2225.7	1955.2	1802.0	1714.5
12940.3	47.5°	12789.1	12297.8	8640.1	4345.9	2502.1	2263.5	1939.3	1732.4	1631.0	1577.3
13863.2	50°	13688.1	12900.5	8457.1	3898.4	2249.5	2046.7	1760.2	1619.0	1541.5	1491.7
14778.1	52.5°	14533.5	13447.5	8236.4	3391.2	1993.0	1835.8	1680.7	1571.3	1489.7	1434.1
15665.2	55°	15319.1	13918.9	7924.1	2872.1	1784.1	1694.6	1642.9	1551.4	1457.9	1392.3
16566.2	57.5°	16017.2	14225.2	7385.1	2384.8	1634.9	1597.1	1603.1	1517.6	1410.2	1354.5
17453.3	60°	16598.0	14449.9	6587.5	1933.3	1513.6	1501.7	1541.5	1453.9	1328.6	1265.0
18203.1	62.5°	16946.1	14445.9	5608.9	1583.2	1410.2	1414.2	1459.9	1374.4	1247.1	1187.4
18594.9	65°	16916.3	14091.9	4534.9	1354.5	1310.7	1314.7	1374.4	1286.9	1179.5	1143.7
18398.0	67.5°	16317.6	13228.7	3478.7	1205.3	1201.3	1219.2	1288.9	1227.2	1137.7	1133.7
17224.5	70°	14696.6	11436.6	2506.1	1086.0	1088.0	1113.8	1205.3	1189.4	1115.8	1123.8
14481.7	72.5°	11784.7	8719.7	1682.7	960.7	962.7	1004.4	1125.8	1159.6	1093.9	1199.4
10275.1	75°	7848.5	5437.9	1082.0	827.4	829.4	883.1	1056.1	1101.9	1034.3	1195.4
5346.4	77.5°	3771.1	2444.5	783.7	696.1	696.1	745.9	912.9	986.5	881.1	928.9
1718.5	80°	1302.8	918.9	616.6	560.9	549.0	582.8	769.7	855.3	759.8	700.1
560.9	82.5°	513.2	477.4	495.3	435.6	395.8	417.7	598.7	706.1	558.9	505.2
316.2	85°	294.4	310.3	350.1	288.4	228.7	256.6	439.6	507.2	421.7	371.9
103.4	87.5°	79.6	109.4	161.1	149.2	103.4	109.4	208.8	280.4	242.7	187.0
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°
4198.7
4306.1
4477.2
4684.0
4875.0
4942.6
4944.6
4857.1
4652.2
4361.8
4057.5
3779.1
3532.4
3224.1
2878.0
2534.0
2225.7
1967.1
1710.5
1565.3
1473.8
1410.2
1366.4
1318.7
1237.1
1169.5
1141.7
1139.7
1121.8
1215.3
1205.3
851.3
656.4
503.2
379.9
192.9
0.0