

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: P957658

Luminaire Tested: **GLAN-SB9D-940-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-940-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68951 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

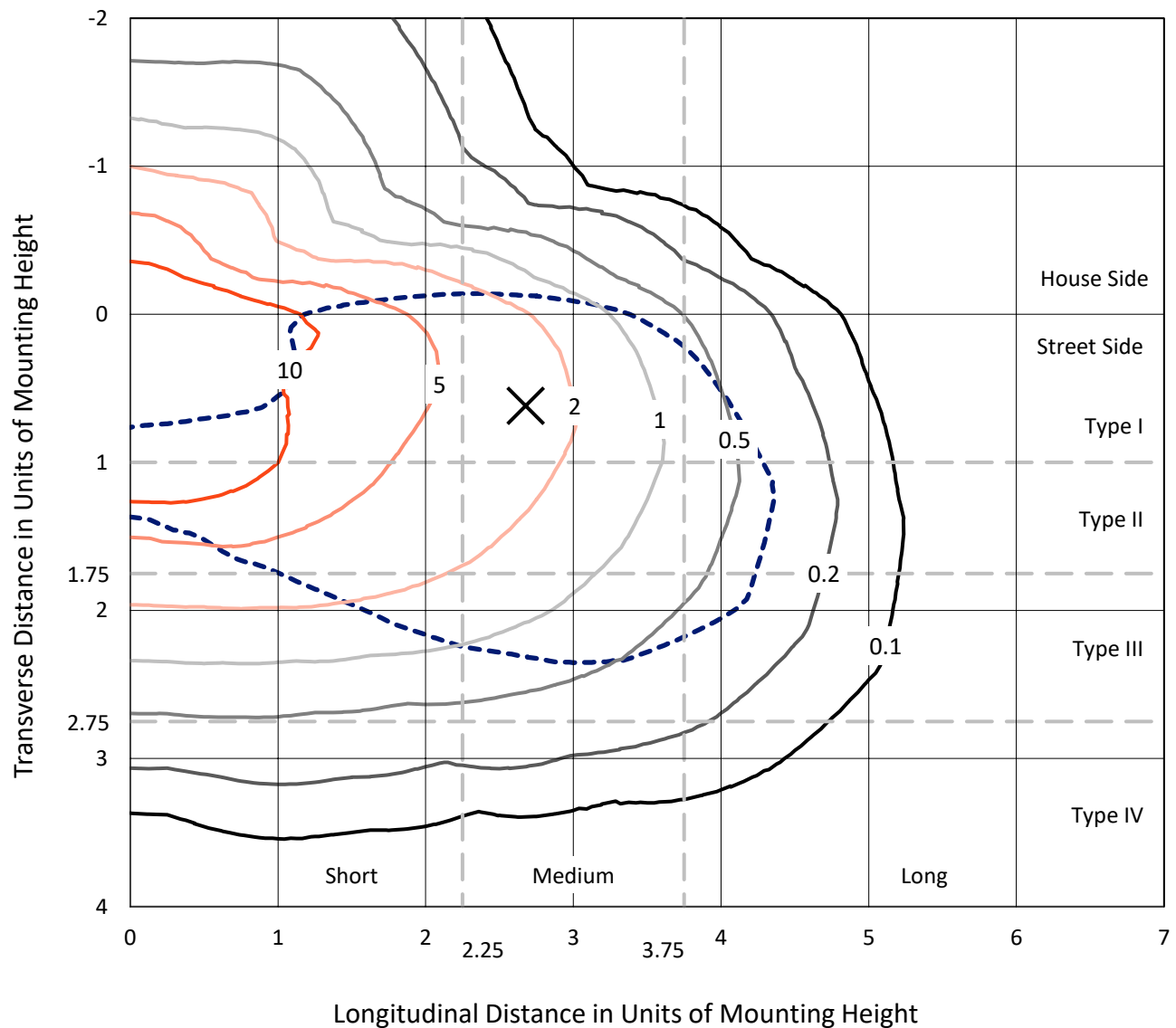
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

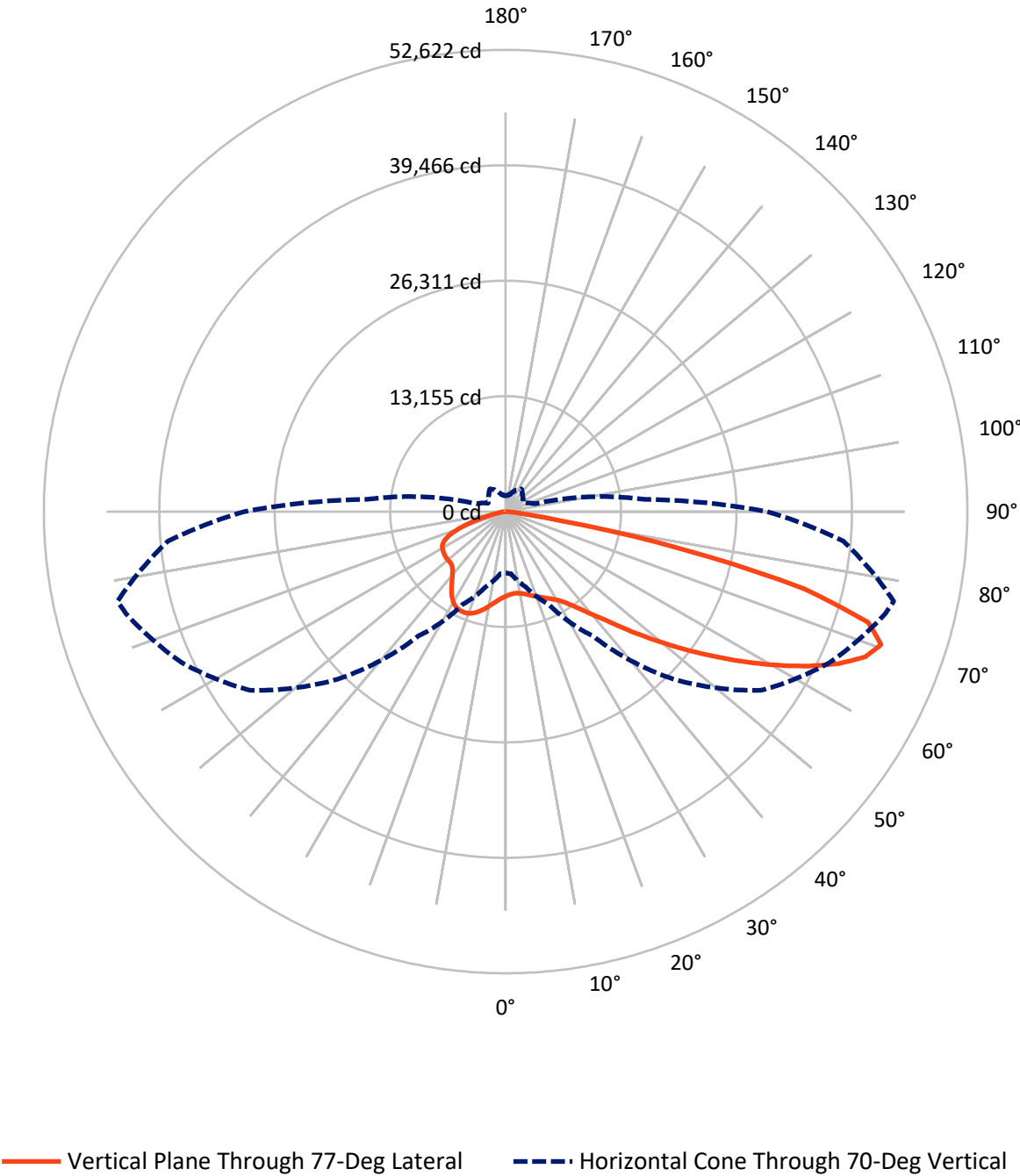
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15099.2	0.0	15099.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	53851.8	0.0	53851.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	68951.0	0.0	68951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.4	1.3
10°-20°	2647.8	3.8
20°-30°	4528.1	6.6
30°-40°	7281.6	10.6
40°-50°	11368.4	16.5
50°-60°	15185.5	22.0
60°-70°	16185.4	23.5
70°-80°	9963.7	14.5
80°-90°	873.1	1.3
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°	68951.0	100.0
0°-180°	68951.0	100.0

Coefficient of Utilization



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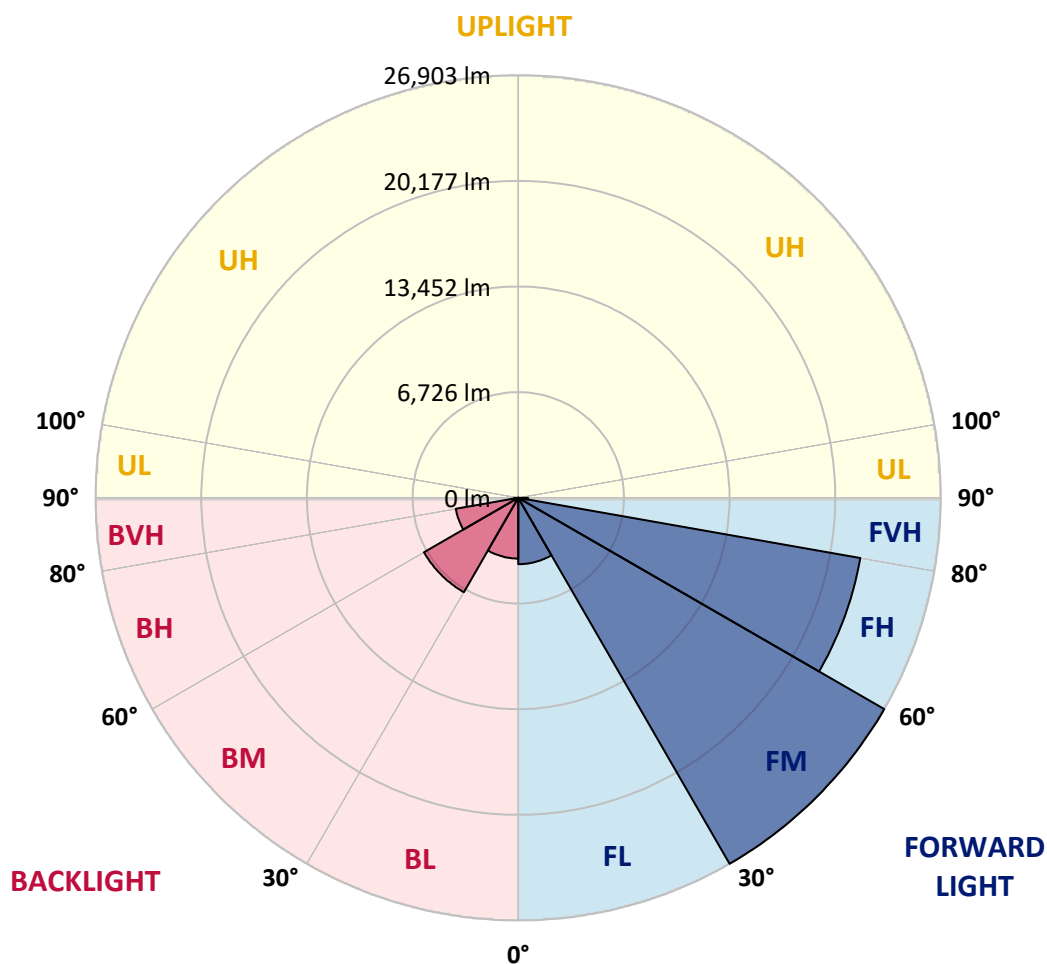
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4224.4	6.1			
FM	(30°-60°)	26903.2	39.0			
FH	(60°-80°)	22113.7	32.1			G5
FVH	(80°-90°)	610.5	0.9			G4/750
BL	(0°-30°)	3868.9	5.6	B4/5000		
BM	(30°-60°)	6932.4	10.1	B4/8500		
BH	(60°-80°)	4035.4	5.9	B4/5000		G4/5000
BVH	(80°-90°)	262.6	0.4			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3
2.5°	8867.1	8863.6	8909.5	8923.6	9008.4	9068.4	9181.4	9301.5	9456.9	9474.5
5°	8355.1	8355.1	8408.1	8464.6	8574.0	8694.1	8867.1	9075.5	9343.9	9386.2
7.5°	7920.7	7949.0	7994.9	8104.4	8231.5	8404.5	8669.4	8966.0	9319.1	9386.2
10°	7571.1	7602.9	7659.4	7747.7	7938.4	8178.5	8524.6	8906.0	9379.2	9485.1
12.5°	7461.7	7493.4	7525.2	7592.3	7768.9	8051.4	8464.6	8934.2	9523.9	9629.9
15°	7715.9	7754.8	7730.0	7712.4	7804.2	8062.0	8492.8	9036.6	9704.0	9855.9
17.5°	8302.1	8316.2	8259.7	8093.8	8079.6	8217.4	8627.0	9177.9	9930.0	10096.0
20°	9248.5	9223.8	9107.3	8778.8	8591.7	8563.4	8856.5	9389.8	10163.1	10339.7
22.5°	10533.9	10505.7	10272.6	9753.5	9336.8	9061.3	9188.5	9665.2	10424.4	10622.2
25°	12137.1	12098.3	11755.7	11049.5	10403.2	9721.7	9640.5	10028.9	10745.8	10929.4
27.5°	14008.7	13976.9	13606.1	12673.9	11741.6	10625.7	10202.0	10456.2	11081.3	11289.6
30°	16021.6	16113.4	15456.6	14453.7	13274.2	11805.2	10957.7	10982.4	11515.6	11702.8
32.5°	18387.5	18546.4	17755.4	16484.2	14873.9	13087.0	11911.1	11716.9	12147.7	12303.1
35°	20732.3	20912.4	20255.6	18850.1	16996.2	14598.4	12906.9	12560.9	12988.2	13157.7
37.5°	22759.3	22999.4	22660.4	21438.6	19266.8	16420.6	14206.5	13553.2	14022.8	14234.7
40°	24359.0	24726.2	24701.5	23938.8	21943.6	18631.2	15855.6	14778.5	15308.2	15537.8
42.5°	25658.5	25976.3	26251.8	26212.9	24736.8	21142.0	17794.3	16371.2	16773.7	17038.6
45°	26555.5	26894.5	27487.7	28126.9	27424.2	23829.3	20015.5	18260.4	18627.7	19026.7
47.5°	27357.1	27742.0	28511.8	29525.3	29705.4	26527.2	22448.5	20460.4	20795.9	21209.1
50°	27427.7	27759.6	28953.2	30390.5	31326.3	29119.2	25061.7	22928.8	23243.1	23684.5
52.5°	25722.1	26244.7	28328.2	30365.8	32071.4	31287.4	27657.2	25496.1	25849.2	26378.9
55°	19966.0	20732.3	26495.4	29419.4	31806.5	32689.4	30125.6	28225.8	28677.8	29232.2
57.5°	17197.5	17533.0	21032.5	27696.1	30598.8	33053.1	32209.1	30983.7	31711.2	32318.6
60°	15456.6	15735.5	17804.9	25015.8	29009.7	32477.5	33819.4	33554.5	34811.7	35535.6
62.5°	13592.0	13856.9	15739.1	20887.7	26975.7	31520.5	34836.4	35927.6	37989.9	38780.9
65°	11741.6	11967.6	13772.1	17550.6	24390.8	30563.5	35362.6	37979.3	40931.4	41750.7
67.5°	9679.3	9866.5	11572.1	14806.8	21247.9	29253.4	35623.9	39593.1	43491.6	44194.4
70°	6984.9	7129.7	8891.8	11709.8	17303.4	27000.4	35517.9	40737.2	44819.4	45380.9
72.5°	3301.8	3432.4	5501.8	7602.9	12221.9	22614.5	33374.4	39829.7	43470.4	43191.5
75°	1762.1	1875.1	3160.5	4170.5	6455.2	15502.5	27311.2	34310.2	36503.2	35147.1
77.5°	1193.6	1281.9	1956.3	2503.7	2948.6	7359.3	17554.2	23755.1	22854.7	20615.8
80°	946.4	1038.2	1603.2	1695.0	1426.6	2659.1	7253.3	10996.5	7899.5	6317.5
82.5°	727.5	829.9	1349.0	1228.9	776.9	1091.2	2111.7	3478.3	2023.4	1539.7
85°	444.9	554.4	1059.4	784.0	437.9	497.9	716.9	967.6	618.0	515.6
87.5°	226.0	317.8	536.8	286.0	197.8	116.5	190.7	190.7	162.4	141.3
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°
9619.3	0°	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3	9619.3
9569.9	2.5°	9654.6	9725.2	9845.3	9958.3	10046.6	10131.3	10216.1	10262.0	10276.1	10332.6
9622.8	5°	9767.6	9898.3	10131.3	10350.3	10488.0	10572.7	10632.8	10668.1	10675.2	10692.8
9767.6	7.5°	9976.0	10184.3	10509.2	10728.1	10830.5	10823.5	10798.8	10710.5	10675.2	10643.4
9979.5	10°	10269.1	10544.5	10943.5	11095.4	11031.8	10862.3	10643.4	10385.6	10265.5	10149.0
10269.1	12.5°	10632.8	10982.4	11374.4	11367.3	11053.0	10618.7	10110.1	9714.6	9463.9	9283.8
10625.7	15°	11074.2	11476.8	11776.9	11536.8	10848.2	10067.8	9322.7	8807.1	8581.1	8383.3
10985.9	17.5°	11529.7	11960.6	12098.3	11483.8	10332.6	9252.0	8408.1	8002.0	7779.5	7673.5
11374.4	20°	11974.7	12402.0	12289.0	11180.1	9548.7	8326.8	7574.7	7352.2	7306.3	7331.0
11752.2	22.5°	12444.3	12825.7	12327.8	10593.9	8549.3	7380.4	6967.3	6974.3	7076.7	7150.9
12147.7	25°	12924.6	13182.4	12225.4	9746.4	7475.8	6684.8	6582.4	6695.4	6896.7	7041.4
12592.7	27.5°	13387.2	13500.2	12002.9	8697.6	6554.1	6186.9	6204.5	6437.6	6741.3	6942.6
13132.9	30°	13909.8	13782.7	11575.6	7518.2	5914.9	5759.6	5907.9	6179.8	6483.5	6663.6
13814.5	32.5°	14499.6	14026.4	10897.6	6427.0	5462.9	5417.0	5660.7	5837.3	5971.4	6024.4
14718.5	35°	15234.1	14368.9	10028.9	5660.7	5056.8	5166.3	5399.4	5311.1	5258.1	5229.9
15933.3	37.5°	16187.5	14831.5	9011.9	5162.8	4728.4	4986.2	5081.6	4806.1	4597.8	4495.4
17405.8	40°	17335.2	15509.5	8033.7	4777.9	4520.1	4830.8	4664.9	4332.9	4068.1	3923.3
19062.0	42.5°	18610.0	16219.3	7210.9	4488.3	4403.5	4703.7	4357.6	3962.1	3534.8	3488.9
21036.0	45°	19948.4	16950.3	6649.5	4265.8	4347.0	4594.2	4181.1	3541.9	3238.2	3425.4
23017.1	47.5°	21286.7	17621.2	6310.5	4099.9	4318.8	4470.6	4025.7	3308.8	3093.4	3365.3
25139.4	50°	22777.0	18221.6	6158.6	3979.8	4287.0	4421.2	3792.6	3248.8	2941.6	3121.7
27335.9	52.5°	24256.6	18687.7	6045.6	3859.7	4241.1	4382.4	3679.6	3178.2	2758.0	2768.5
29546.5	55°	25732.7	18991.4	5922.0	3700.8	4138.7	4297.6	3669.0	3100.5	2620.2	2570.8
31884.2	57.5°	27307.6	19164.4	5770.2	3524.2	3962.1	4082.2	3658.4	3040.5	2577.9	2496.6
34274.9	60°	28910.9	19418.7	5572.4	3308.8	3725.5	3824.4	3633.7	3019.3	2553.1	2415.4
36527.9	62.5°	30348.1	19507.0	5335.8	3104.0	3421.8	3570.2	3580.8	3001.6	2486.0	2249.4
38399.5	65°	31291.0	19125.6	4922.6	2871.0	3093.4	3308.8	3478.3	2941.6	2366.0	2129.4
39324.7	67.5°	31252.1	18037.9	4276.4	2570.8	2775.6	3019.3	3330.0	2839.2	2221.2	1981.1
38625.5	70°	29797.2	15890.9	3457.2	2221.2	2426.0	2708.5	3139.3	2687.3	2048.2	1818.6
34345.5	72.5°	25556.1	12437.3	2510.8	1811.6	2019.9	2387.2	2892.1	2503.7	1871.6	1673.8
25383.1	75°	18256.9	7871.3	1702.1	1391.3	1571.4	2023.4	2584.9	2288.3	1709.2	1680.9
12712.7	77.5°	9326.2	3760.8	1126.5	1017.0	1094.7	1596.2	2171.8	2044.6	1733.9	1387.8
3616.1	80°	3033.4	1387.8	709.8	692.1	727.5	1062.9	1680.9	1677.4	1313.6	942.9
875.8	82.5°	967.6	596.8	462.6	444.9	427.3	667.4	1172.4	1327.8	886.4	596.8
314.3	85°	384.9	356.7	271.9	250.7	180.1	314.3	614.4	882.8	660.4	430.8
81.2	87.5°	141.3	141.3	74.2	53.0	38.8	105.9	166.0	264.8	377.9	222.5
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°
9619.3
10364.4
10721.1
10650.4
10113.7
9241.4
8362.1
7705.3
7320.4
7168.6
7080.3
6992.0
6706.0
6052.7
5258.1
4520.1
3933.9
3534.8
3524.2
3492.5
3255.9
2842.7
2606.1
2507.2
2426.0
2249.4
2129.4
1991.7
1839.8
1663.2
1585.6
1236.0
833.4
593.3
441.4
218.9
0.0