

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: P951526

Luminaire Tested: **GLAN-SB5C-927-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951526
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-SB5C-927-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23640 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
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

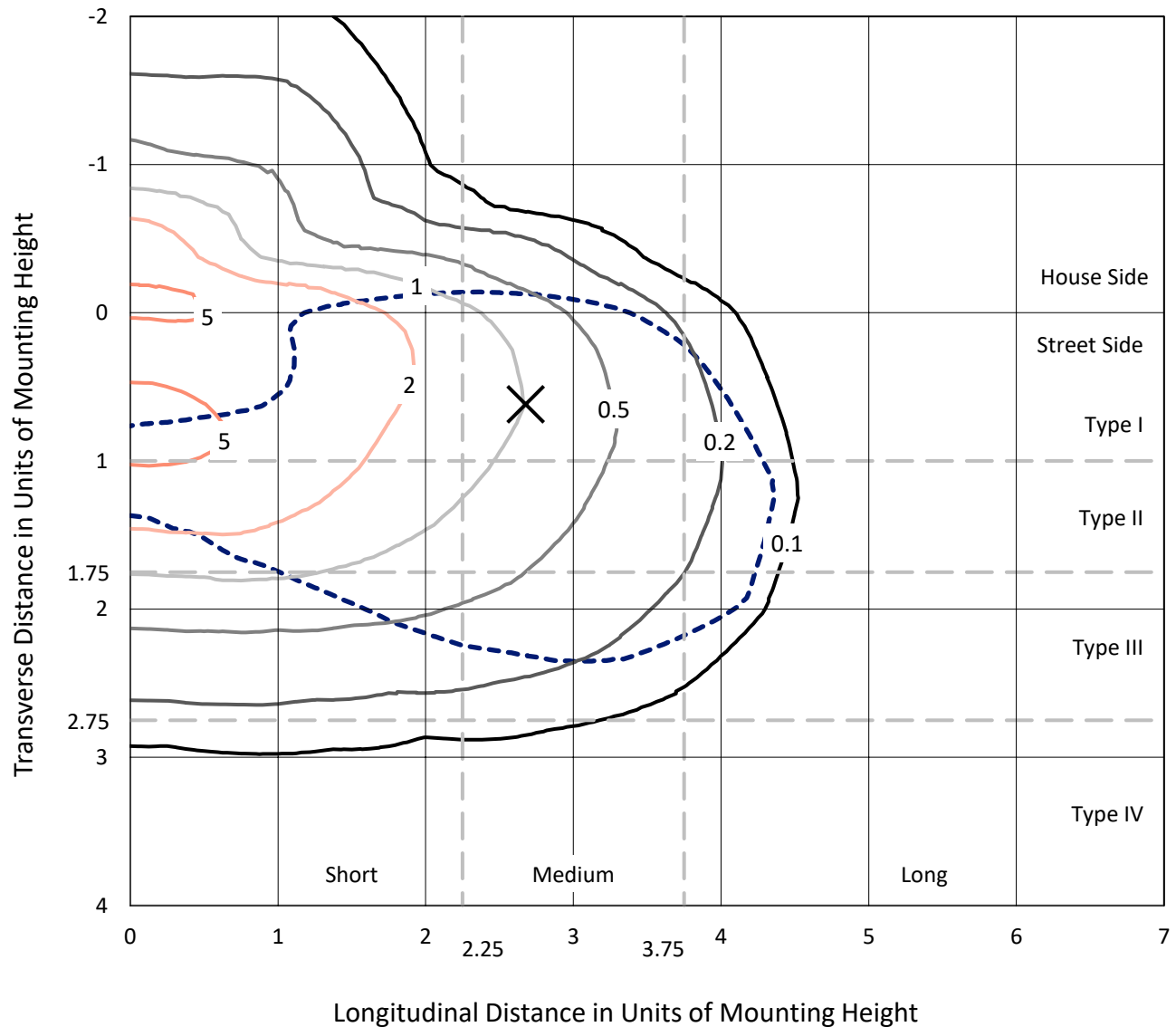


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Iso-Footcandle Lines of Horizontal Illumination

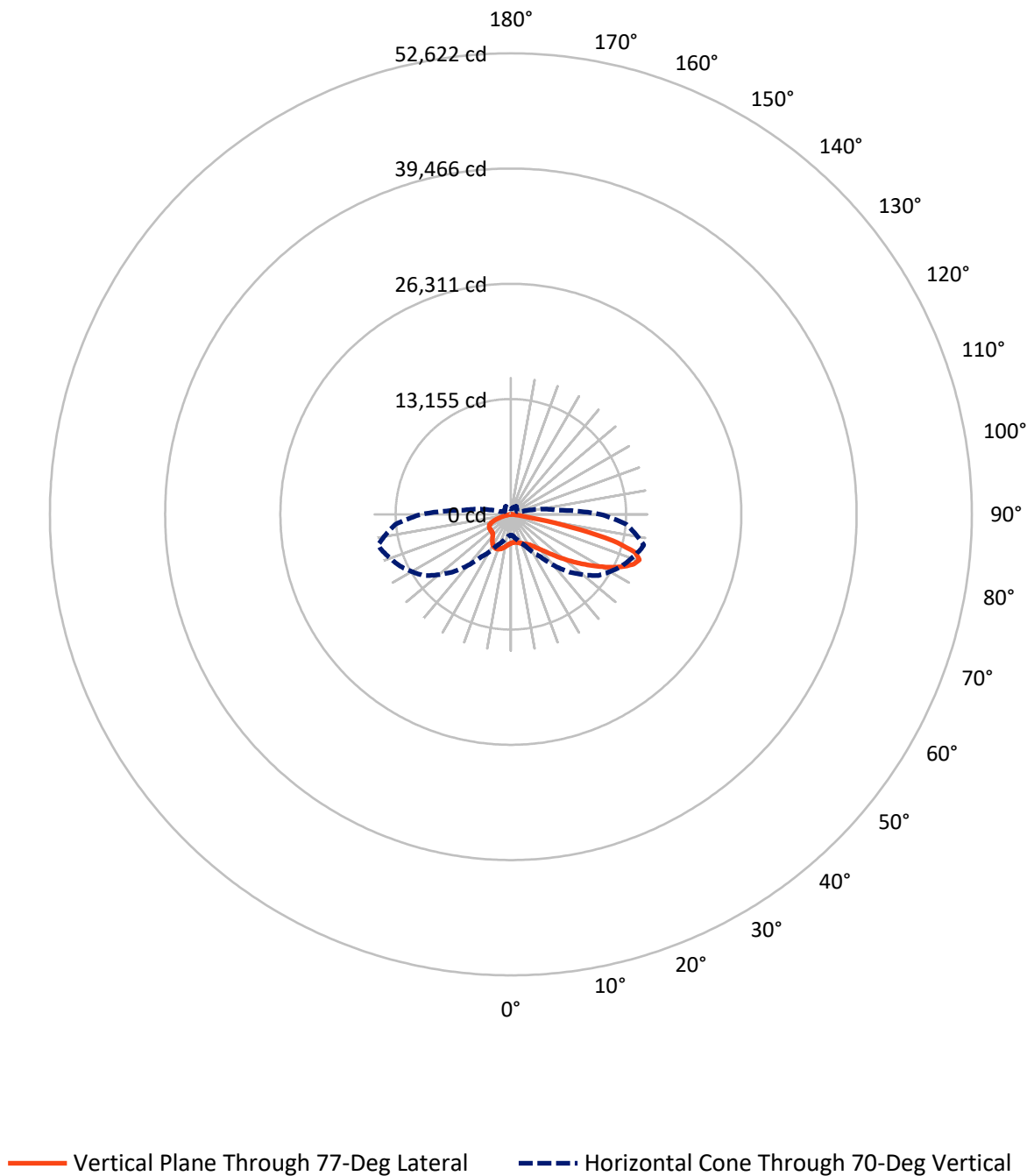
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	5176.8	0.0	5176.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	18463.2	0.0	18463.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	23640.0	0.0	23640.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.5	1.3
10°-20°	907.8	3.8
20°-30°	1552.5	6.6
30°-40°	2496.5	10.6
40°-50°	3897.7	16.5
50°-60°	5206.4	22.0
60°-70°	5549.2	23.5
70°-80°	3416.1	14.5
80°-90°	299.3	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°	23640.0	100.0
0°-180°	23640.0	100.0

Coefficient of Utilization



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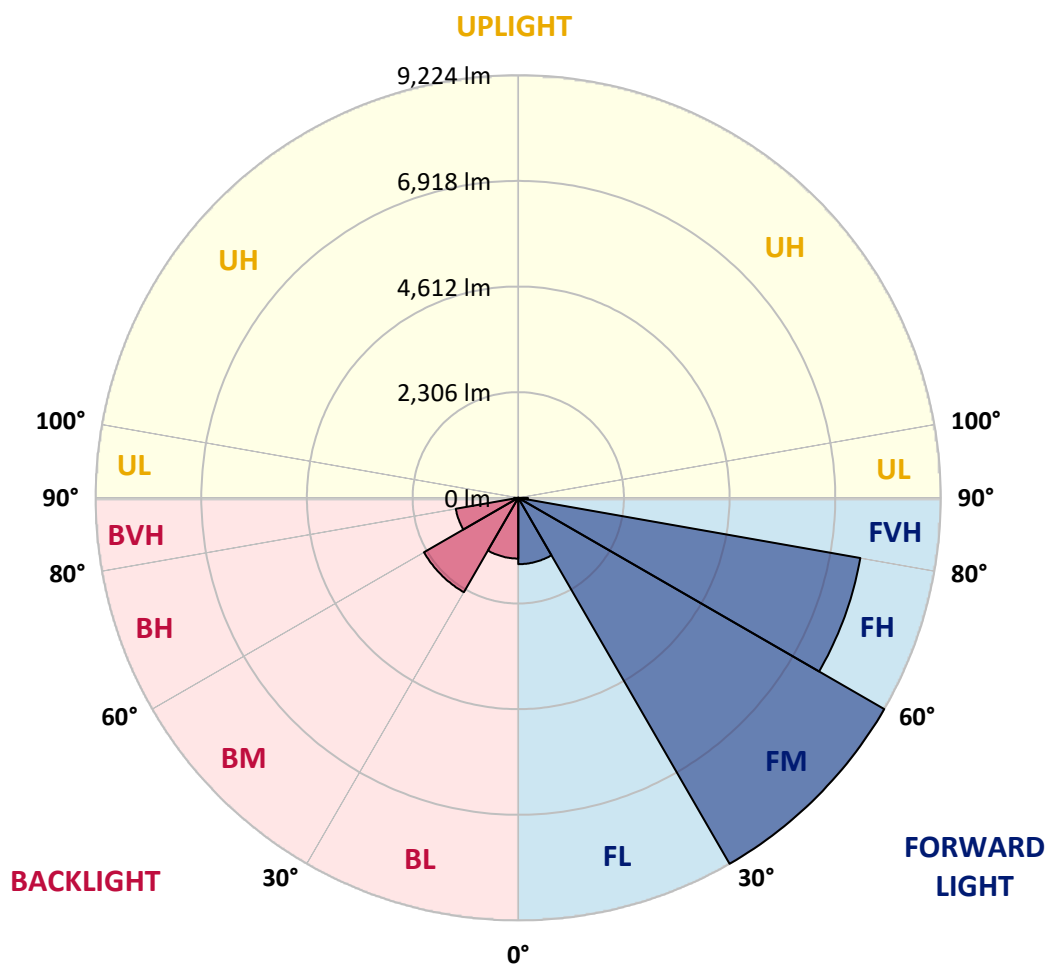
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1448.3	6.1			
FM	(30°-60°)	9223.8	39.0			
FH	(60°-80°)	7581.7	32.1			G4/12000
FVH	(80°-90°)	209.3	0.9			G2/225
BL	(0°-30°)	1326.5	5.6	B3/2500		
BM	(30°-60°)	2376.8	10.1	B2/2500		
BH	(60°-80°)	1383.5	5.9	B3/2500		G3/2500
BVH	(80°-90°)	90.0	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0
2.5°	3040.1	3038.9	3054.6	3059.5	3088.5	3109.1	3147.9	3189.0	3242.3	3248.4
5°	2864.6	2864.6	2882.7	2902.1	2939.6	2980.8	3040.1	3111.5	3203.6	3218.1
7.5°	2715.6	2725.3	2741.1	2778.6	2822.2	2881.5	2972.3	3074.0	3195.1	3218.1
10°	2595.8	2606.7	2626.0	2656.3	2721.7	2804.0	2922.7	3053.4	3215.7	3252.0
12.5°	2558.2	2569.1	2580.0	2603.0	2663.6	2760.4	2902.1	3063.1	3265.3	3301.6
15°	2645.4	2658.7	2650.3	2644.2	2675.7	2764.1	2911.8	3098.2	3327.1	3379.1
17.5°	2846.4	2851.2	2831.9	2775.0	2770.1	2817.3	2957.8	3146.7	3404.5	3461.4
20°	3170.9	3162.4	3122.4	3009.8	2945.7	2936.0	3036.5	3219.3	3484.4	3545.0
22.5°	3611.6	3601.9	3522.0	3344.0	3201.1	3106.7	3150.3	3313.7	3574.0	3641.8
25°	4161.2	4147.9	4030.5	3788.3	3566.8	3333.1	3305.3	3438.4	3684.2	3747.2
27.5°	4802.9	4792.0	4664.9	4345.3	4025.6	3643.1	3497.8	3584.9	3799.2	3870.7
30°	5493.0	5524.5	5299.3	4955.5	4551.1	4047.4	3756.9	3765.3	3948.2	4012.3
32.5°	6304.2	6358.7	6087.5	5651.6	5099.5	4486.9	4083.8	4017.2	4164.9	4218.1
35°	7108.1	7169.9	6944.7	6462.8	5827.2	5005.1	4425.2	4306.5	4453.0	4511.1
37.5°	7803.1	7885.4	7769.2	7350.3	6605.7	5629.8	4870.7	4646.7	4807.8	4880.4
40°	8351.5	8477.4	8469.0	8207.5	7523.4	6387.7	5436.1	5066.9	5248.5	5327.2
42.5°	8797.1	8906.0	9000.5	8987.2	8481.1	7248.6	6100.8	5612.9	5750.9	5841.7
45°	9104.6	9220.8	9424.2	9643.4	9402.4	8169.9	6862.3	6260.6	6386.5	6523.3
47.5°	9379.4	9511.4	9775.3	10122.8	10184.6	9094.9	7696.5	7014.9	7129.9	7271.6
50°	9403.6	9517.5	9926.7	10419.4	10740.3	9983.6	8592.5	7861.2	7968.9	8120.3
52.5°	8818.9	8998.1	9712.4	10411.0	10995.7	10727.0	9482.3	8741.4	8862.5	9044.1
55°	6845.4	7108.1	9084.0	10086.5	10904.9	11207.6	10328.6	9677.3	9832.2	10022.3
57.5°	5896.2	6011.2	7211.0	9495.7	10490.9	11332.3	11043.0	10622.8	10872.2	11080.5
60°	5299.3	5395.0	6104.4	8576.7	9946.0	11135.0	11595.0	11504.2	11935.3	12183.5
62.5°	4660.1	4750.9	5396.2	7161.4	9248.7	10806.9	11943.7	12317.8	13024.9	13296.1
65°	4025.6	4103.1	4721.8	6017.3	8362.4	10478.8	12124.1	13021.3	14033.4	14314.3
67.5°	3318.6	3382.7	3967.5	5076.5	7284.9	10029.6	12213.7	13574.6	14911.2	15152.1
70°	2394.8	2444.4	3048.6	4014.7	5932.5	9257.1	12177.4	13966.8	15366.4	15558.9
72.5°	1132.0	1176.8	1886.3	2606.7	4190.3	7753.4	11442.5	13655.7	14903.9	14808.3
75°	604.1	642.9	1083.6	1429.9	2213.2	5315.1	9363.7	11763.3	12515.2	12050.3
77.5°	409.2	439.5	670.7	858.4	1010.9	2523.1	6018.5	8144.5	7835.8	7068.2
80°	324.5	356.0	549.7	581.1	489.1	911.7	2486.8	3770.2	2708.4	2166.0
82.5°	249.4	284.5	462.5	421.3	266.4	374.1	724.0	1192.6	693.7	527.9
85°	152.6	190.1	363.2	268.8	150.1	170.7	245.8	331.7	211.9	176.8
87.5°	77.5	109.0	184.0	98.1	67.8	40.0	65.4	65.4	55.7	48.4
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°
3298.0	0°	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0	3298.0
3281.0	2.5°	3310.1	3334.3	3375.5	3414.2	3444.5	3473.5	3502.6	3518.3	3523.2	3542.6
3299.2	5°	3348.8	3393.6	3473.5	3548.6	3595.8	3624.9	3645.5	3657.6	3660.0	3666.1
3348.8	7.5°	3420.3	3491.7	3603.1	3678.2	3713.3	3710.9	3702.4	3672.1	3660.0	3649.1
3421.5	10°	3520.8	3615.2	3752.0	3804.1	3782.3	3724.2	3649.1	3560.7	3519.6	3479.6
3520.8	12.5°	3645.5	3765.3	3899.7	3897.3	3789.5	3640.6	3466.3	3330.7	3244.7	3183.0
3643.1	15°	3796.8	3934.8	4037.7	3955.4	3719.3	3451.8	3196.3	3019.5	2942.0	2874.2
3766.5	17.5°	3953.0	4100.7	4147.9	3937.3	3542.6	3172.1	2882.7	2743.5	2667.2	2630.9
3899.7	20°	4105.5	4252.0	4213.3	3833.1	3273.8	2854.9	2597.0	2520.7	2505.0	2513.5
4029.3	22.5°	4266.6	4397.3	4226.6	3632.2	2931.1	2530.4	2388.7	2391.2	2426.3	2451.7
4164.9	25°	4431.2	4519.6	4191.5	3341.6	2563.1	2291.9	2256.8	2295.5	2364.5	2414.2
4317.4	27.5°	4589.8	4628.6	4115.2	2982.0	2247.1	2121.2	2127.2	2207.1	2311.3	2380.3
4502.7	30°	4769.0	4725.4	3968.7	2577.6	2028.0	1974.7	2025.5	2118.8	2222.9	2284.6
4736.3	32.5°	4971.2	4809.0	3736.3	2203.5	1873.0	1857.2	1940.8	2001.3	2047.3	2065.5
5046.3	35°	5223.0	4926.4	3438.4	1940.8	1733.7	1771.3	1851.2	1820.9	1802.8	1793.1
5462.8	37.5°	5549.9	5085.0	3089.8	1770.1	1621.2	1709.5	1742.2	1647.8	1576.4	1541.2
5967.6	40°	5943.4	5317.5	2754.4	1638.1	1549.7	1656.3	1599.4	1485.6	1394.7	1345.1
6535.5	42.5°	6380.5	5560.8	2472.3	1538.8	1509.8	1612.7	1494.0	1358.4	1211.9	1196.2
7212.2	45°	6839.3	5811.4	2279.8	1462.5	1490.4	1575.1	1433.5	1214.4	1110.2	1174.4
7891.5	47.5°	7298.2	6041.5	2163.6	1405.6	1480.7	1532.8	1380.2	1134.4	1060.6	1153.8
8619.1	50°	7809.1	6247.3	2111.5	1364.5	1469.8	1515.8	1300.3	1113.9	1008.5	1070.3
9372.2	52.5°	8316.4	6407.1	2072.7	1323.3	1454.1	1502.5	1261.6	1089.6	945.6	949.2
10130.1	55°	8822.5	6511.2	2030.4	1268.8	1419.0	1473.4	1257.9	1063.0	898.4	881.4
10931.6	57.5°	9362.5	6570.6	1978.3	1208.3	1358.4	1399.6	1254.3	1042.4	883.8	856.0
11751.2	60°	9912.1	6657.7	1910.5	1134.4	1277.3	1311.2	1245.8	1035.2	875.3	828.1
12523.7	62.5°	10404.9	6688.0	1829.4	1064.2	1173.2	1224.0	1227.7	1029.1	852.3	771.2
13165.3	65°	10728.2	6557.2	1687.7	984.3	1060.6	1134.4	1192.6	1008.5	811.2	730.1
13482.6	67.5°	10714.9	6184.3	1466.2	881.4	951.6	1035.2	1141.7	973.4	761.5	679.2
13242.8	70°	10216.0	5448.2	1185.3	761.5	831.8	928.6	1076.3	921.4	702.2	623.5
11775.4	72.5°	8762.0	4264.1	860.8	621.1	692.5	818.4	991.6	858.4	641.7	573.9
8702.6	75°	6259.4	2698.7	583.6	477.0	538.8	693.7	886.2	784.5	586.0	576.3
4358.6	77.5°	3197.5	1289.4	386.2	348.7	375.3	547.2	744.6	701.0	594.5	475.8
1239.8	80°	1040.0	475.8	243.4	237.3	249.4	364.4	576.3	575.1	450.4	323.3
300.3	82.5°	331.7	204.6	158.6	152.6	146.5	228.8	402.0	455.2	303.9	204.6
107.8	85°	132.0	122.3	93.2	86.0	61.7	107.8	210.7	302.7	226.4	147.7
27.8	87.5°	48.4	48.4	25.4	18.2	13.3	36.3	56.9	90.8	129.5	76.3
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°
3298.0
3553.5
3675.7
3651.5
3467.5
3168.4
2867.0
2641.8
2509.8
2457.8
2427.5
2397.2
2299.2
2075.2
1802.8
1549.7
1348.7
1211.9
1208.3
1197.4
1116.3
974.6
893.5
859.6
831.8
771.2
730.1
682.8
630.8
570.2
543.6
423.8
285.7
203.4
151.3
75.1
0.0