

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: P851776

Luminaire Tested: **GLAN-SB9D-930-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61959 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B5 - U0 - G5

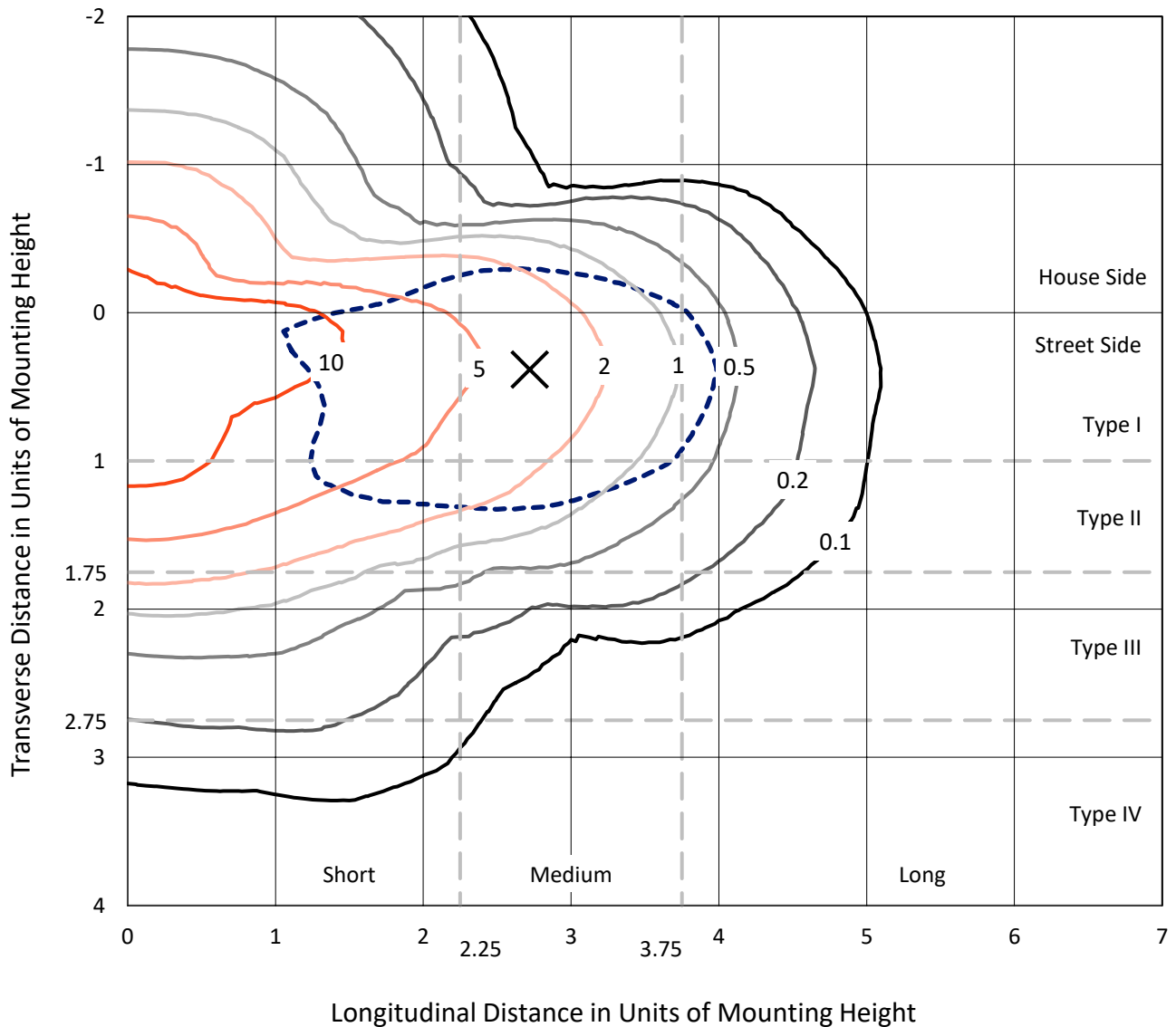
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

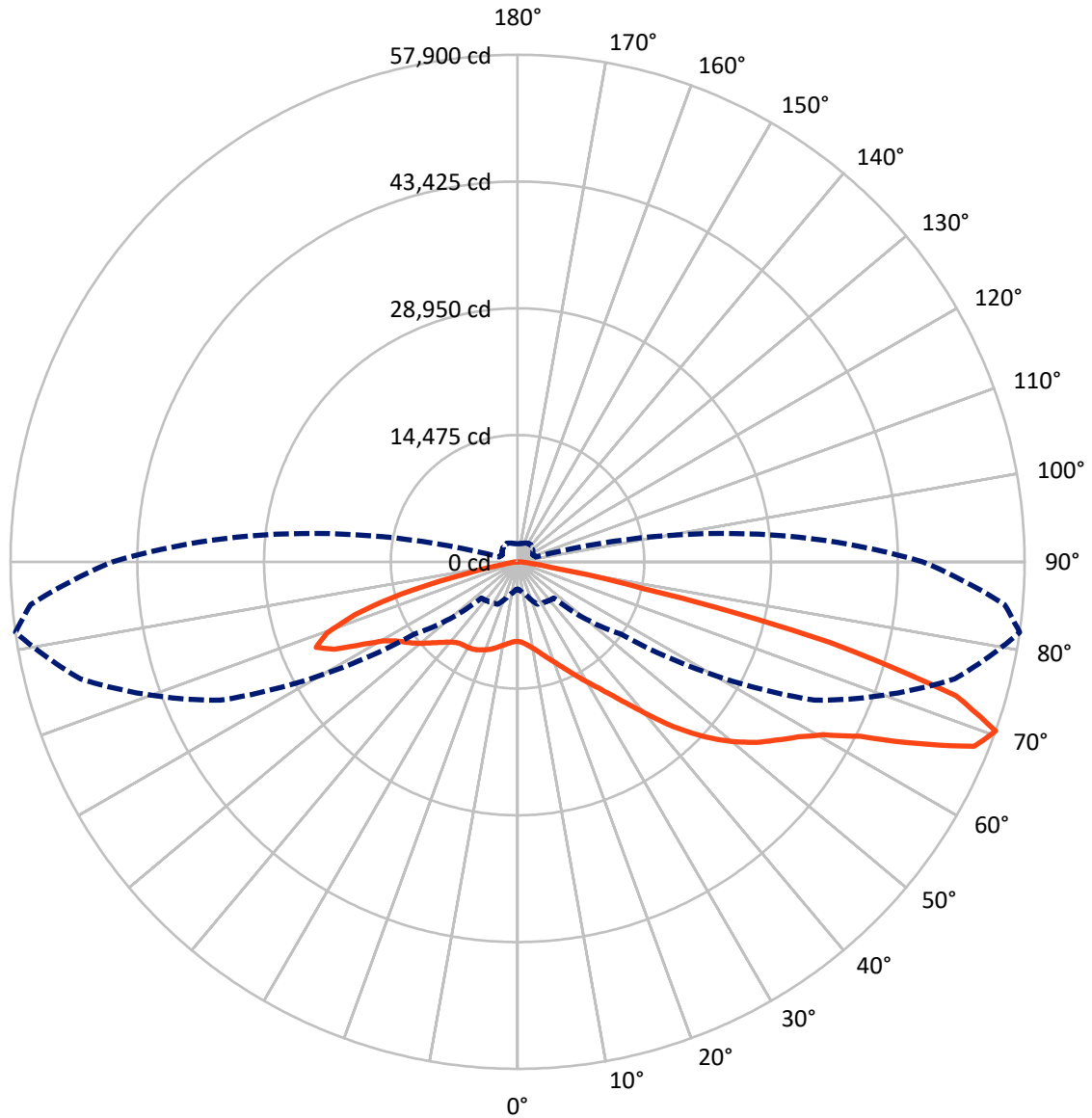
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15274.4	0.0	15274.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	46684.6	0.0	46684.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	61959.0	0.0	61959.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	857.7	1.4
10°-20°	2464.2	4.0
20°-30°	4122.3	6.7
30°-40°	6440.2	10.4
40°-50°	10256.7	16.6
50°-60°	14273.4	23.0
60°-70°	14930.7	24.1
70°-80°	7803.6	12.6
80°-90°	810.3	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°	61959.0	100.0
0°-180°	61959.0	100.0

**Coefficient of Utilization**

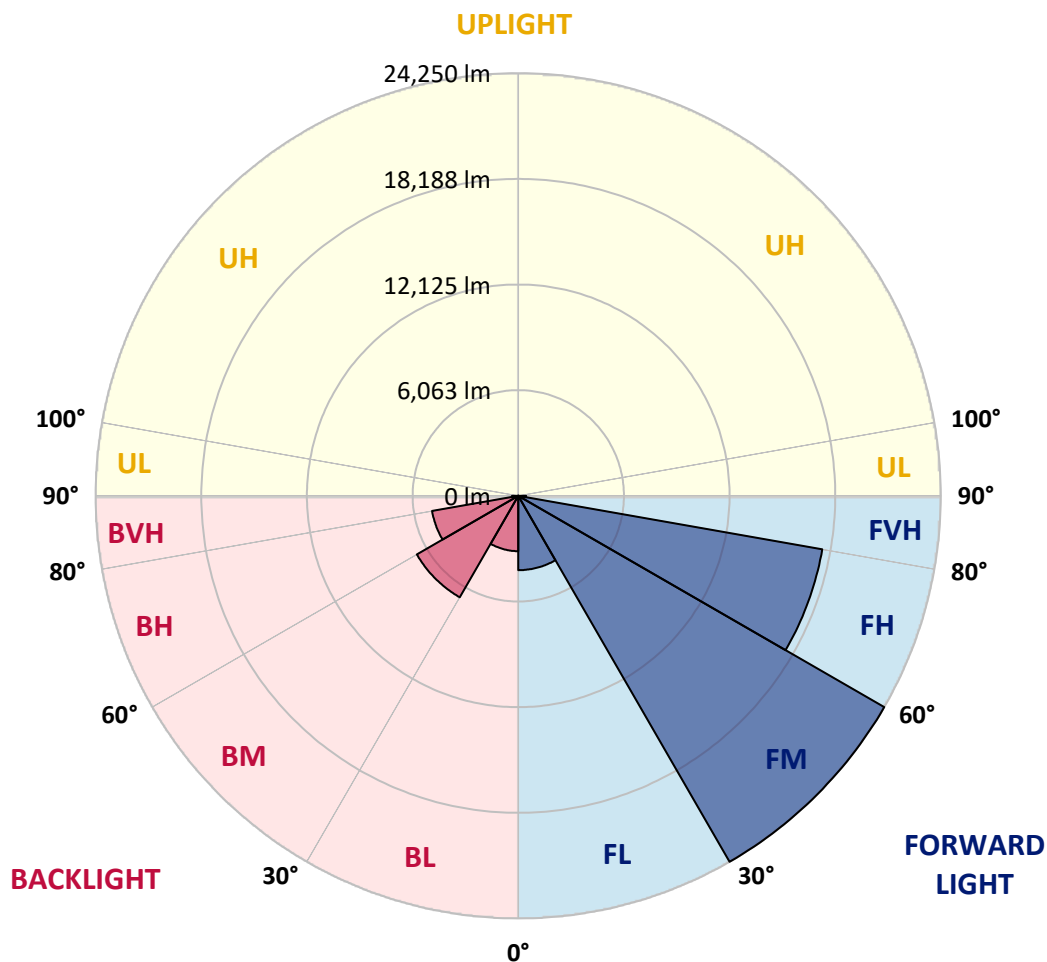


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4266.6	6.9			
FM (30°-60°)	24250.1	39.1			
FH (60°-80°)	17714.3	28.6			G5
FVH (80°-90°)	453.6	0.7			G3/500
BL (0°-30°)	3177.6	5.1	B4/5000		
BM (30°-60°)	6720.1	10.8	B4/8500		
BH (60°-80°)	5019.9	8.1	B5		G5
BVH (80°-90°)	356.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0
2.5°	9301.0	9353.6	9337.1	9320.7	9320.7	9297.7	9294.4	9261.5	9235.2	9192.5
5°	9419.3	9475.2	9468.6	9481.8	9524.5	9534.4	9544.2	9524.5	9471.9	9419.3
7.5°	9314.1	9376.6	9396.3	9475.2	9606.7	9725.1	9813.8	9850.0	9800.7	9725.1
10°	8959.0	9028.1	9097.1	9284.5	9517.9	9797.4	10034.1	10175.5	10165.6	10093.3
12.5°	8239.0	8311.4	8459.3	8824.2	9251.6	9744.8	10185.3	10481.2	10583.2	10530.6
15°	7663.7	7726.1	7837.9	8212.7	8768.3	9517.9	10241.2	10816.6	11076.3	11046.7
17.5°	7647.2	7673.5	7742.6	7920.1	8347.5	9162.9	10182.1	11145.4	11641.8	11638.5
20°	7936.6	7946.4	7985.9	8022.0	8265.3	8893.3	10030.8	11418.2	12276.3	12276.3
22.5°	8337.7	8331.1	8370.5	8337.7	8456.0	8870.3	9935.5	11658.2	12983.2	13035.8
25°	8939.3	8906.4	8896.6	8820.9	8844.0	9084.0	10040.7	11931.1	13821.6	13930.1
27.5°	9741.5	9688.9	9652.7	9478.5	9419.3	9524.5	10362.9	12259.9	14755.3	14942.7
30°	10787.0	10691.7	10639.1	10336.6	10122.9	10139.3	10849.5	12697.2	15731.7	16034.2
32.5°	12213.9	12065.9	11924.6	11428.1	11036.9	10908.6	11477.4	13302.1	16790.4	17273.7
35°	13811.7	13693.3	13542.1	12776.1	12174.4	11878.5	12325.7	14147.0	18029.8	18795.9
37.5°	15350.4	15248.4	15320.8	14288.4	13512.5	13081.8	13436.9	15281.3	19558.6	20689.6
40°	16941.6	16862.7	16872.6	15886.3	14982.1	14498.8	14784.9	16704.9	21311.0	22941.7
42.5°	18670.9	18611.8	18414.5	17540.0	16524.1	16073.7	16336.7	18348.8	23191.6	25506.1
45°	20607.4	20571.3	20387.1	19384.4	18220.5	17714.2	18069.3	20163.6	25082.0	27919.3
47.5°	22280.9	22310.5	22287.4	21442.5	20235.9	19492.9	19917.0	22057.3	26840.9	30187.8
50°	23086.4	23240.9	23467.7	23204.7	22455.1	21698.9	21781.1	23885.3	28517.7	32315.0
52.5°	22665.5	22958.1	23576.2	23997.1	24286.4	24128.6	23908.3	25700.1	30095.8	34235.0
55°	21097.3	21508.2	22534.0	23549.9	25026.1	26173.5	26462.8	27712.2	31634.4	35924.9
57.5°	18240.3	18907.7	19828.2	21883.0	24368.6	27163.1	29441.5	30503.4	33265.1	37729.8
60°	13341.6	14235.8	15379.9	18437.5	22067.2	26633.8	31976.3	34790.6	35583.0	40067.4
62.5°	8538.2	9090.5	10142.6	13022.7	17194.8	23921.4	32752.2	40149.6	39511.8	43900.9
65°	5845.6	6200.6	7163.9	8781.5	11115.8	17806.3	30674.4	44167.2	45751.9	49976.6
67.5°	4247.7	4517.3	5339.3	6756.3	7242.8	10537.1	23803.1	43983.1	51817.7	56236.4
70°	3097.0	3287.7	3978.1	5339.3	5572.7	5862.0	14419.9	37387.9	51686.2	57900.0
72.5°	2294.8	2426.3	2889.9	4142.5	4510.7	3958.4	7137.6	27173.0	44413.8	52370.1
75°	1660.3	1758.9	2100.9	3169.4	3609.9	3014.8	3560.6	15879.7	30980.2	36838.9
77.5°	1269.1	1344.7	1568.2	2321.1	2889.9	2261.9	2209.3	7305.3	14689.5	14761.9
80°	1019.2	1068.5	1190.2	1634.0	2215.9	1693.2	1440.0	2949.1	4642.3	3928.8
82.5°	749.6	831.8	1006.0	1147.4	1584.7	1167.1	877.8	1489.3	1765.5	1518.9
85°	427.4	483.3	608.2	821.9	1012.6	713.4	503.0	660.8	821.9	674.0
87.5°	151.2	197.3	213.7	322.2	440.6	295.9	194.0	190.7	269.6	200.6
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°
9084.0	0°	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0	9084.0
9182.6	2.5°	9149.7	9133.3	9067.5	8978.8	8886.7	8797.9	8768.3	8705.9	8663.1	8640.1
9396.3	5°	9333.8	9281.2	9126.7	8929.4	8722.3	8498.8	8340.9	8196.3	8091.1	7992.4
9688.9	7.5°	9596.8	9504.8	9238.5	8893.3	8525.1	8153.5	7877.4	7667.0	7525.6	7433.5
10030.8	10°	9902.6	9761.2	9353.6	8837.4	8268.6	7736.0	7410.5	7229.7	7140.9	7091.6
10422.1	12.5°	10254.4	10053.8	9471.9	8709.2	7877.4	7269.1	7045.6	6993.0	6996.3	6999.6
10915.2	15°	10688.4	10408.9	9567.3	8429.7	7367.8	6910.8	6871.3	6956.8	7045.6	7088.3
11474.1	17.5°	11178.2	10783.7	9583.7	7969.4	6868.0	6680.6	6805.6	6989.7	7124.5	7183.7
12098.8	20°	11704.3	11165.1	9465.3	7318.5	6457.1	6493.2	6716.8	6953.5	7101.5	7177.1
12812.2	22.5°	12305.9	11572.8	9182.6	6634.6	6121.7	6289.4	6552.4	6782.6	6937.1	7012.7
13650.6	25°	12993.1	12029.8	8738.8	6059.3	5832.4	6059.3	6322.3	6513.0	6637.9	6706.9
14587.6	27.5°	13755.8	12506.5	8147.0	5602.3	5579.3	5822.5	6039.5	6187.5	6253.2	6305.8
15583.8	30°	14521.8	12940.5	7430.2	5257.1	5359.0	5589.1	5743.6	5809.4	5829.1	5839.0
16695.0	32.5°	15350.4	13315.3	6677.4	4971.0	5148.6	5362.3	5454.3	5483.9	5391.9	5329.4
18043.0	35°	16353.1	13716.4	5940.9	4744.2	4941.4	5125.6	5155.1	5128.8	5020.3	4892.1
19732.9	37.5°	17592.6	14216.1	5352.4	4583.1	4747.5	4869.1	4832.9	4826.4	4836.2	4685.0
21764.7	40°	19111.5	14867.1	4921.7	4458.1	4589.7	4616.0	4514.0	4569.9	4619.2	4389.1
23993.8	42.5°	20798.1	15652.8	4648.8	4372.7	4458.1	4395.7	4237.9	4300.3	4293.8	3991.3
26232.7	45°	22517.6	16507.6	4553.5	4310.2	4336.5	4211.6	4037.3	4053.8	3915.7	3642.8
28379.6	47.5°	24227.2	17424.9	4612.7	4257.6	4185.3	4043.9	3909.1	3836.8	3632.9	3429.1
30437.7	50°	25903.9	18388.2	4829.7	4152.4	3978.1	3895.9	3797.3	3669.1	3452.1	3277.9
32384.0	52.5°	27459.0	19358.1	5072.9	3978.1	3718.4	3767.7	3705.3	3557.3	3343.6	3166.1
34225.1	55°	28931.9	20328.0	5168.3	3738.1	3475.1	3655.9	3619.8	3346.9	3090.5	2945.8
36151.7	57.5°	30536.3	21495.1	5063.1	3432.4	3277.9	3527.7	3389.6	3087.2	2939.2	2830.7
38660.3	60°	32758.8	23326.4	4836.2	3054.3	3090.5	3337.0	3100.3	2975.4	2814.3	2692.6
42421.4	62.5°	36450.9	26742.3	4471.3	2679.5	2870.2	3054.3	2962.2	2837.3	2672.9	2554.6
48852.2	65°	41908.5	31489.8	3784.2	2386.9	2623.6	2778.1	2814.3	2689.4	2518.4	2393.5
54487.3	67.5°	46511.3	34468.4	2863.6	2143.6	2370.4	2554.6	2656.5	2534.8	2354.0	2232.4
55805.7	70°	46258.2	32305.1	2186.3	1903.6	2146.9	2334.3	2465.8	2370.4	2176.5	2061.4
50690.0	72.5°	41086.6	27025.0	1768.8	1660.3	1920.0	2104.1	2261.9	2189.6	1992.4	1880.6
37134.8	75°	30184.5	19183.8	1413.7	1413.7	1637.3	1864.1	2038.4	1992.4	1811.5	1732.6
15590.4	77.5°	12723.5	8048.3	1108.0	1173.7	1361.1	1601.1	1818.1	1834.5	1676.7	1775.4
4122.8	80°	3383.1	2219.2	844.9	923.8	1068.5	1321.7	1581.4	1574.8	1403.9	1311.8
1532.1	82.5°	1288.8	874.5	601.7	651.0	772.6	1012.6	1252.6	1292.1	1121.1	969.9
601.7	85°	496.4	374.8	371.5	391.2	450.4	670.7	946.9	979.7	844.9	716.7
167.7	87.5°	128.2	111.8	138.1	131.5	207.1	358.4	542.5	562.2	516.2	299.2
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°
9084.0
8666.4
8031.9
7453.3
7104.8
7006.1
7085.0
7196.8
7196.8
7032.4
6726.7
6325.6
5862.0
5349.1
4898.7
4694.9
4395.7
3988.0
3652.7
3429.1
3264.7
3169.4
2932.6
2820.9
2686.1
2554.6
2400.0
2235.6
2071.3
1880.6
1709.6
1611.0
1219.7
969.9
739.7
427.4
0.0

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