

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: P849436

Luminaire Tested: **GLAN-SB6C-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849436
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-SB6C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35188 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

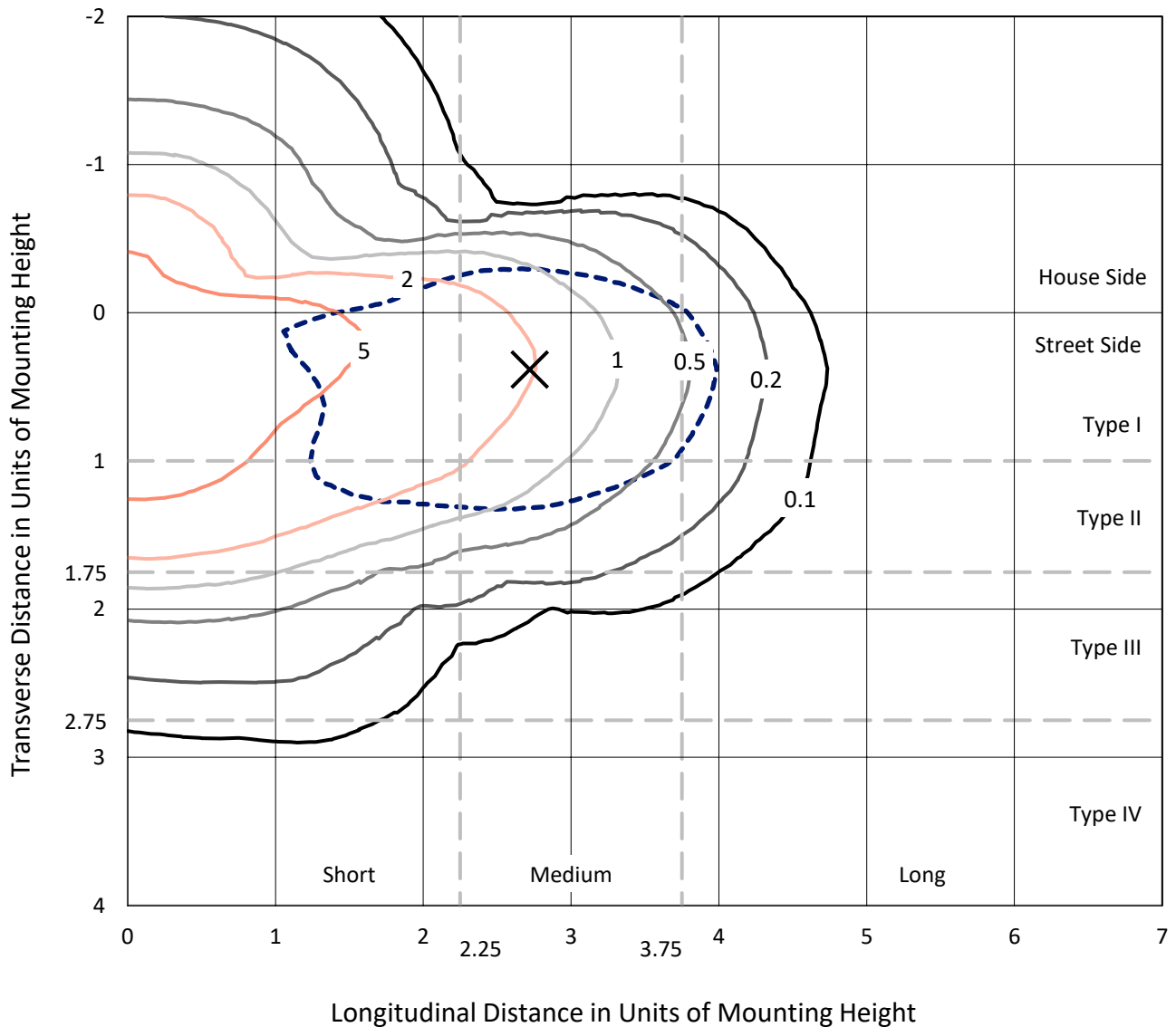
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

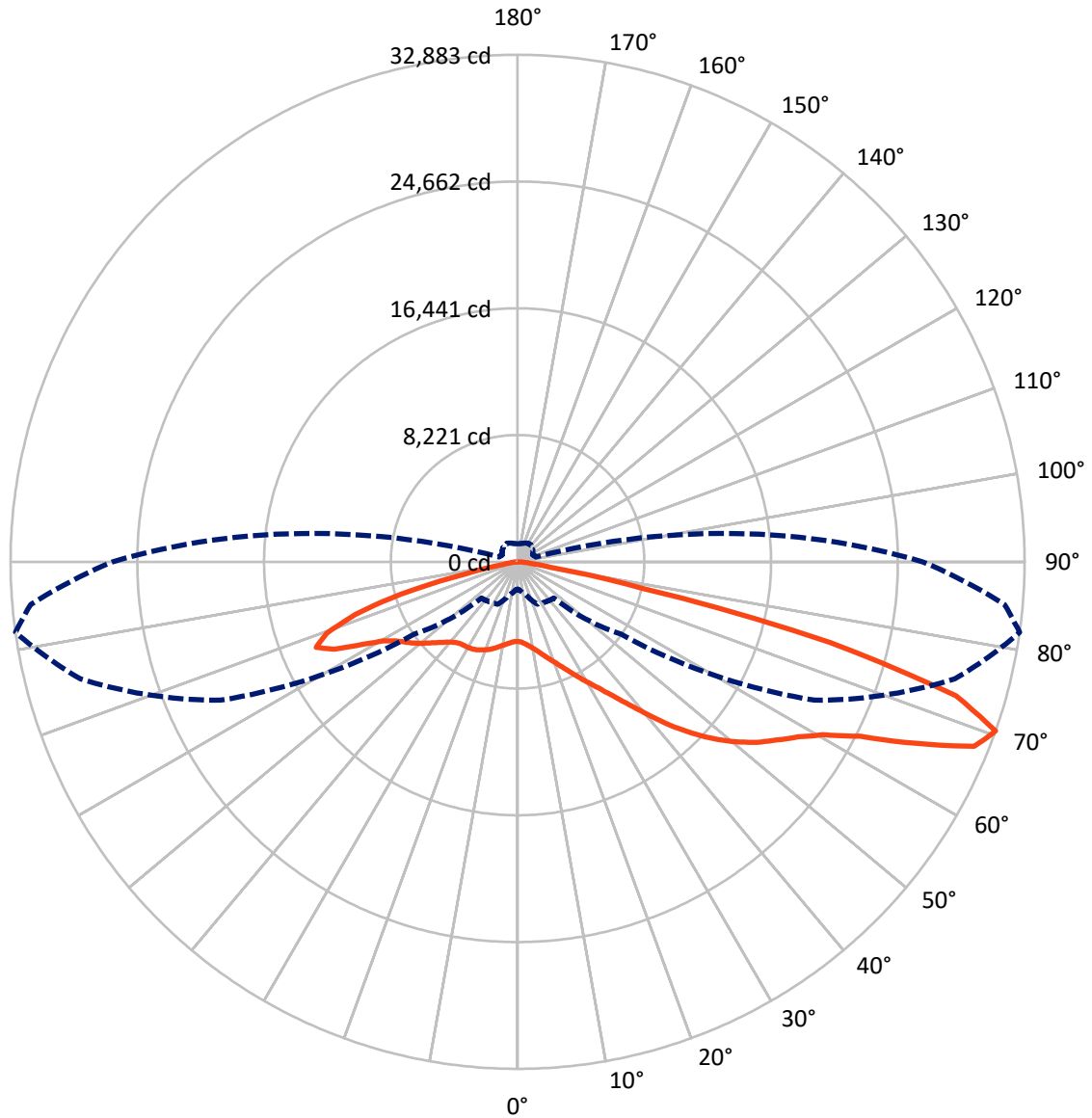
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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
House Side	Lumens	8674.7	0.0	8674.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	26513.3	0.0	26513.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	35188.0	0.0	35188.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.1	1.4
10°-20°	1399.5	4.0
20°-30°	2341.2	6.7
30°-40°	3657.5	10.4
40°-50°	5825.0	16.6
50°-60°	8106.2	23.0
60°-70°	8479.5	24.1
70°-80°	4431.8	12.6
80°-90°	460.2	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°	35188.0	100.0
0°-180°	35188.0	100.0

Coefficient of Utilization

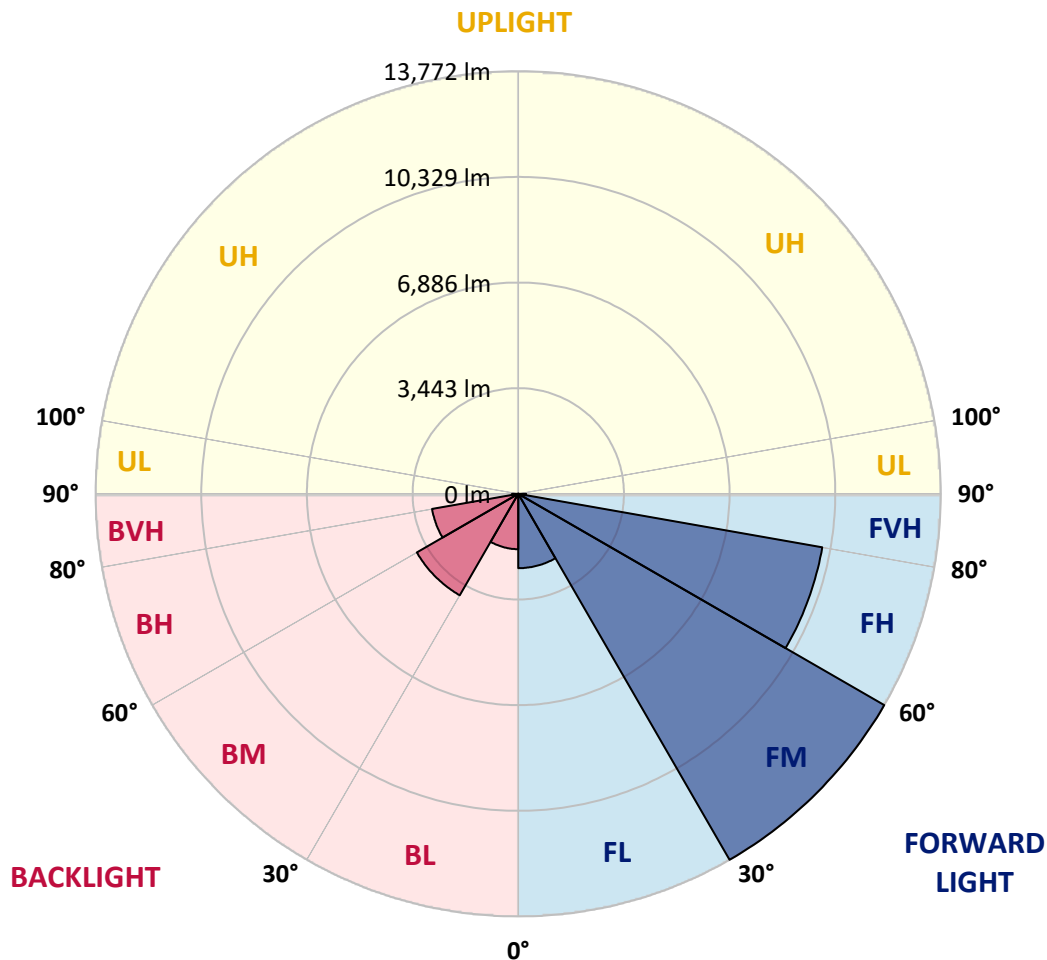


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2423.1	6.9			
FM (30°-60°)	13772.2	39.1			
FH (60°-80°)	10060.4	28.6			G4/12000
FVH (80°-90°)	257.6	0.7			G3/500
BL (0°-30°)	1804.7	5.1	B3/2500		
BM (30°-60°)	3816.5	10.8	B3/5000		
BH (60°-80°)	2850.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	202.6	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0
2.5°	5282.2	5312.1	5302.8	5293.4	5293.4	5280.4	5278.5	5259.8	5244.9	5220.6
5°	5349.5	5381.2	5377.5	5384.9	5409.2	5414.8	5420.4	5409.2	5379.3	5349.5
7.5°	5289.7	5325.2	5336.4	5381.2	5455.9	5523.1	5573.5	5594.1	5566.0	5523.1
10°	5088.0	5127.3	5166.5	5272.9	5405.5	5564.2	5698.6	5778.9	5773.3	5732.2
12.5°	4679.1	4720.2	4804.2	5011.5	5254.2	5534.3	5784.5	5952.5	6010.4	5980.6
15°	4352.4	4387.9	4451.3	4664.2	4979.8	5405.5	5816.2	6143.0	6290.5	6273.7
17.5°	4343.0	4358.0	4397.2	4498.0	4740.8	5203.8	5782.6	6329.7	6611.7	6609.8
20°	4507.4	4513.0	4535.4	4555.9	4694.1	5050.7	5696.7	6484.7	6972.0	6972.0
22.5°	4735.2	4731.4	4753.8	4735.2	4802.4	5037.6	5642.6	6621.0	7373.5	7403.3
25°	5076.8	5058.2	5052.6	5009.6	5022.7	5159.0	5702.3	6776.0	7849.6	7911.2
27.5°	5532.4	5502.6	5482.0	5383.1	5349.5	5409.2	5885.3	6962.7	8379.9	8486.3
30°	6126.2	6072.0	6042.2	5870.4	5749.0	5758.4	6161.7	7211.0	8934.4	9106.2
32.5°	6936.6	6852.5	6772.2	6490.3	6268.1	6195.3	6518.3	7554.6	9535.7	9810.1
35°	7844.0	7776.8	7690.9	7255.8	6914.1	6746.1	7000.0	8034.4	10239.6	10674.6
37.5°	8717.8	8660.0	8701.0	8114.7	7674.1	7429.5	7631.1	8678.6	11107.8	11750.1
40°	9621.5	9576.7	9582.3	9022.2	8508.7	8234.2	8396.7	9487.1	12103.0	13029.1
42.5°	10603.7	10570.1	10458.0	9961.4	9384.4	9128.6	9278.0	10420.7	13171.0	14485.5
45°	11703.4	11682.9	11578.3	11008.9	10347.9	10060.3	10262.0	11451.4	14244.7	15856.0
47.5°	12653.8	12670.6	12657.6	12177.7	11492.5	11070.5	11311.3	12526.9	15243.6	17144.4
50°	13111.3	13199.1	13327.9	13178.5	12752.8	12323.3	12370.0	13565.0	16195.9	18352.4
52.5°	12872.3	13038.5	13389.5	13628.5	13792.8	13703.2	13578.1	14595.7	17092.1	19442.9
55°	11981.7	12215.1	12797.6	13374.6	14212.9	14864.6	15028.9	15738.4	17965.9	20402.6
57.5°	10359.1	10738.1	11260.9	12427.9	13839.5	15426.6	16720.5	17323.6	18892.1	21427.7
60°	7577.0	8084.9	8734.6	10471.1	12532.5	15126.0	18160.1	19758.4	20208.4	22755.2
62.5°	4849.0	5162.7	5760.2	7395.9	9765.3	13585.6	18600.8	22801.9	22439.7	24932.4
65°	3319.8	3521.5	4068.6	4987.2	6312.9	10112.6	17420.7	25083.6	25983.6	28382.9
67.5°	2412.4	2565.5	3032.3	3837.0	4113.4	5984.3	13518.3	24979.0	29428.5	31938.0
70°	1758.9	1867.2	2259.3	3032.3	3164.9	3329.2	8189.4	21233.5	29353.8	32882.8
72.5°	1303.3	1378.0	1641.2	2352.6	2561.8	2248.1	4053.6	15432.2	25223.6	29742.2
75°	942.9	998.9	1193.1	1800.0	2050.2	1712.2	2022.1	9018.4	17594.4	20921.7
77.5°	720.7	763.7	890.6	1318.2	1641.2	1284.6	1254.7	4148.9	8342.5	8383.6
80°	578.8	606.8	675.9	928.0	1258.5	961.6	817.8	1674.9	2636.4	2231.3
82.5°	425.7	472.4	571.4	651.6	900.0	662.8	498.5	845.8	1002.7	862.6
85°	242.7	274.5	345.4	466.8	575.1	405.2	285.7	375.3	466.8	382.8
87.5°	85.9	112.0	121.4	183.0	250.2	168.0	110.2	108.3	153.1	113.9
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°
5159.0	0°	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0	5159.0
5215.0	2.5°	5196.3	5187.0	5149.7	5099.3	5047.0	4996.6	4979.8	4944.3	4920.0	4906.9
5336.4	5°	5300.9	5271.0	5183.3	5071.2	4953.6	4826.6	4737.0	4654.9	4595.1	4539.1
5502.6	7.5°	5450.3	5398.0	5246.8	5050.7	4841.6	4630.6	4473.7	4354.2	4274.0	4221.7
5696.7	10°	5623.9	5543.6	5312.1	5019.0	4695.9	4393.5	4208.6	4105.9	4055.5	4027.5
5918.9	12.5°	5823.7	5709.8	5379.3	4946.1	4473.7	4128.3	4001.4	3971.5	3973.3	3975.2
6199.0	15°	6070.2	5911.5	5433.5	4787.4	4184.3	3924.8	3902.4	3950.9	4001.4	4025.6
6516.4	17.5°	6348.4	6124.3	5442.8	4526.0	3900.5	3794.1	3865.0	3969.6	4046.2	4079.8
6871.2	20°	6647.1	6340.9	5375.6	4156.3	3667.1	3687.7	3814.6	3949.1	4033.1	4076.0
7276.4	22.5°	6988.8	6572.5	5215.0	3768.0	3476.7	3571.9	3721.3	3852.0	3939.7	3982.7
7752.5	25°	7379.1	6832.0	4962.9	3441.2	3312.4	3441.2	3590.6	3698.9	3769.8	3809.0
8284.6	27.5°	7812.3	7102.7	4626.9	3181.7	3168.6	3306.8	3430.0	3514.0	3551.4	3581.2
8850.4	30°	8247.3	7349.2	4219.8	2985.6	3043.5	3174.2	3262.0	3299.3	3310.5	3316.1
9481.5	32.5°	8717.8	7562.1	3792.2	2823.2	2924.0	3045.4	3097.6	3114.4	3062.2	3026.7
10247.0	35°	9287.3	7789.8	3374.0	2694.3	2806.4	2910.9	2927.7	2912.8	2851.2	2778.4
11206.8	37.5°	9991.2	8073.7	3039.8	2602.8	2696.2	2765.3	2744.7	2741.0	2746.6	2660.7
12360.7	40°	10853.9	8443.4	2795.2	2531.9	2606.6	2621.5	2563.6	2595.4	2623.4	2492.7
13626.6	42.5°	11811.7	8889.6	2640.2	2483.3	2531.9	2496.4	2406.8	2442.3	2438.5	2266.7
14898.2	45°	12788.3	9375.1	2586.0	2447.9	2462.8	2391.8	2292.9	2302.2	2223.8	2068.8
16117.4	47.5°	13759.2	9896.0	2619.6	2418.0	2376.9	2296.6	2220.1	2179.0	2063.2	1947.5
17286.3	50°	14711.5	10443.1	2742.9	2358.2	2259.3	2212.6	2156.6	2083.8	1960.5	1861.6
18391.7	52.5°	15594.6	10993.9	2881.0	2259.3	2111.8	2139.8	2104.3	2020.3	1898.9	1798.1
19437.3	55°	16431.1	11544.7	2935.2	2123.0	1973.6	2076.3	2055.8	1900.8	1755.1	1673.0
20531.4	57.5°	17342.3	12207.6	2875.4	1949.3	1861.6	2003.5	1925.1	1753.3	1669.3	1607.6
21956.1	60°	18604.5	13247.6	2746.6	1734.6	1755.1	1895.2	1760.7	1689.8	1598.3	1529.2
24092.1	62.5°	20701.4	15187.6	2539.4	1521.7	1630.0	1734.6	1682.3	1611.4	1518.0	1450.8
27744.3	65°	23800.9	17883.8	2149.1	1355.6	1490.0	1577.8	1598.3	1527.3	1430.3	1359.3
30944.7	67.5°	26414.9	19575.4	1626.3	1217.4	1346.2	1450.8	1508.7	1439.6	1336.9	1267.8
31693.4	70°	26271.1	18346.8	1241.7	1081.1	1219.3	1325.7	1400.4	1346.2	1236.1	1170.7
28788.1	72.5°	23334.1	15348.2	1004.5	942.9	1090.4	1195.0	1284.6	1243.5	1131.5	1068.0
21089.7	75°	17142.5	10895.0	802.9	802.9	929.9	1058.7	1157.6	1131.5	1028.8	984.0
8854.1	77.5°	7226.0	4570.8	629.2	666.6	773.0	909.3	1032.5	1041.9	952.3	1008.3
2341.4	80°	1921.3	1260.3	479.9	524.7	606.8	750.6	898.1	894.4	797.3	745.0
870.1	82.5°	731.9	496.7	341.7	369.7	438.8	575.1	711.4	733.8	636.7	550.8
341.7	85°	281.9	212.9	211.0	222.2	255.8	380.9	537.7	556.4	479.9	407.0
95.2	87.5°	72.8	63.5	78.4	74.7	117.6	203.5	308.1	319.3	293.1	169.9
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°
5159.0
4921.9
4561.5
4232.9
4035.0
3978.9
4023.8
4087.2
4087.2
3993.9
3820.2
3592.4
3329.2
3037.9
2782.1
2666.3
2496.4
2264.9
2074.4
1947.5
1854.1
1800.0
1665.5
1602.0
1525.5
1450.8
1363.0
1269.7
1176.3
1068.0
970.9
914.9
692.7
550.8
420.1
242.7
0.0

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