

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: P941175

Luminaire Tested: **GLAN-SB4C-830-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-830-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26723 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

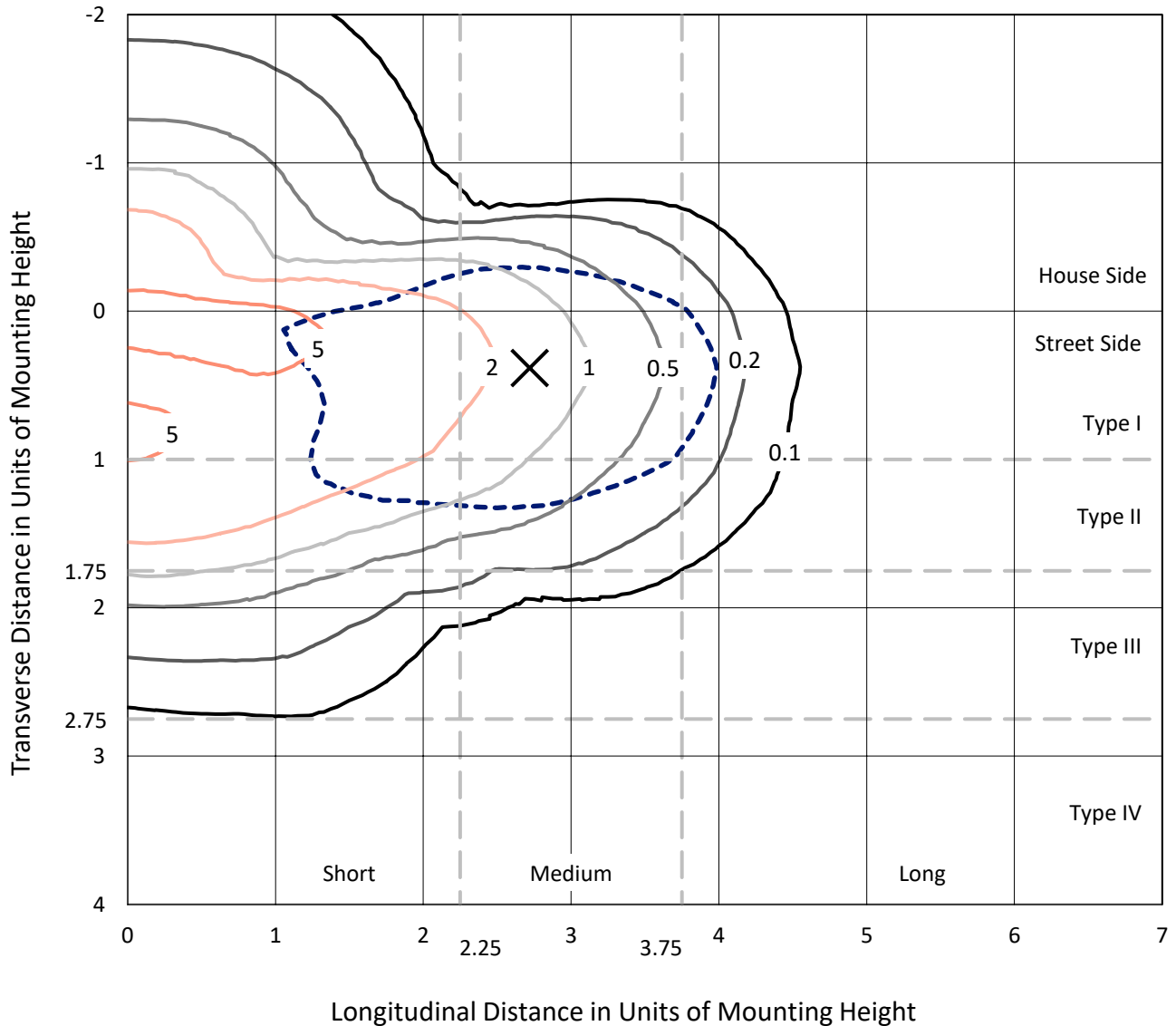
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

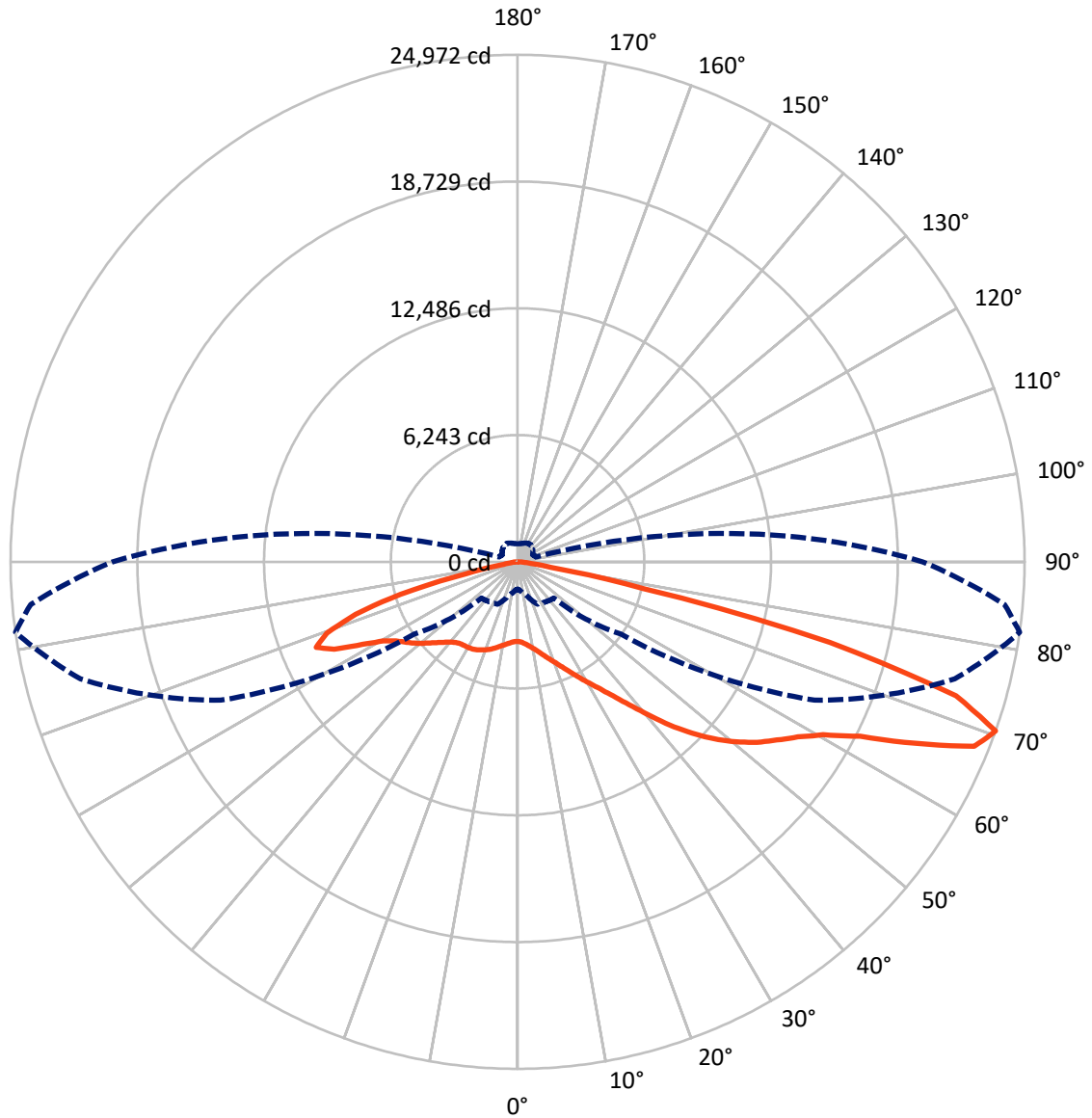
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	6587.9	0.0	6587.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	20135.1	0.0	20135.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	26723.0	0.0	26723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.9	1.4
10°-20°	1062.8	4.0
20°-30°	1778.0	6.7
30°-40°	2777.6	10.4
40°-50°	4423.7	16.6
50°-60°	6156.2	23.0
60°-70°	6439.6	24.1
70°-80°	3365.7	12.6
80°-90°	349.5	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°	26723.0	100.0
0°-180°	26723.0	100.0

Coefficient of Utilization

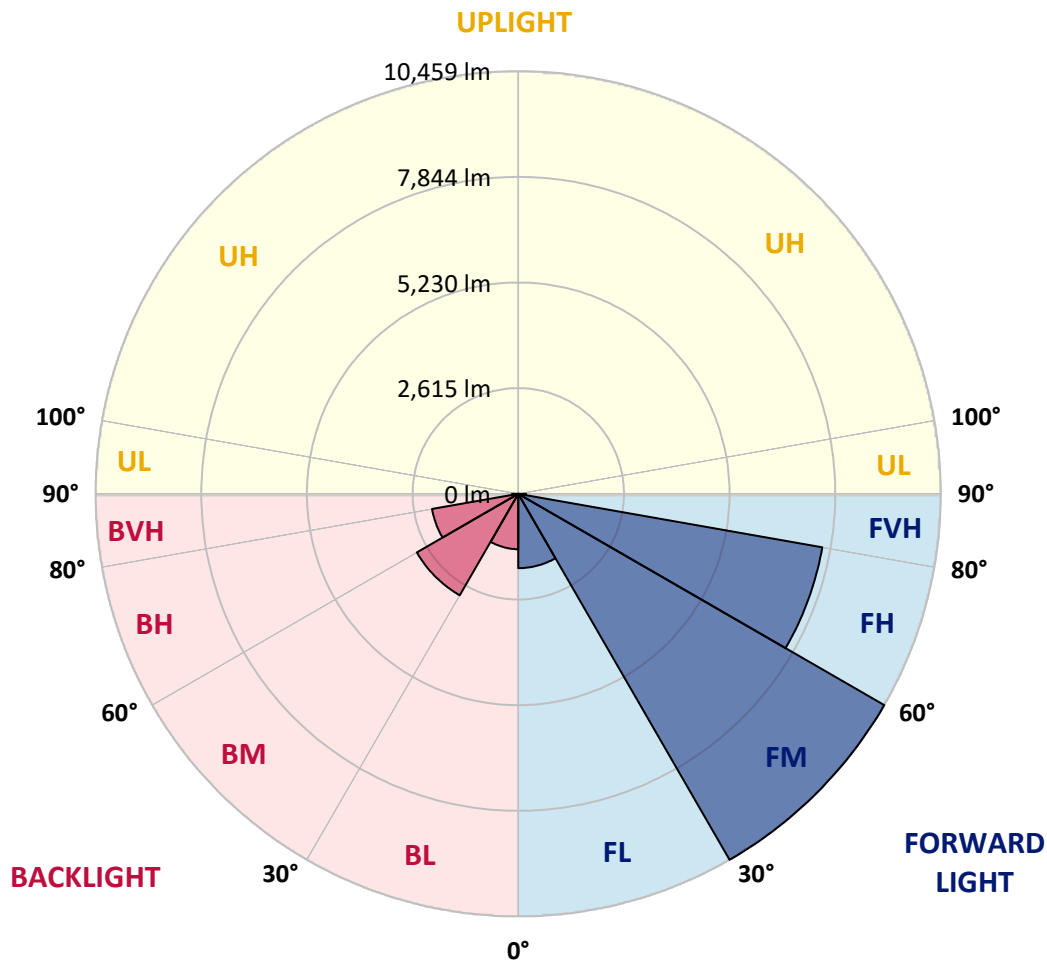


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1840.2	6.9			
FM (30°-60°)	10459.1	39.1			
FH (60°-80°)	7640.2	28.6			G4/12000
FVH (80°-90°)	195.6	0.7			G2/225
BL (0°-30°)	1370.5	5.1	B3/2500		
BM (30°-60°)	2898.4	10.8	B3/5000		
BH (60°-80°)	2165.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	153.8	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9
2.5°	4011.5	4034.2	4027.1	4020.0	4020.0	4010.1	4008.7	3994.5	3983.2	3964.7
5°	4062.6	4086.7	4083.8	4089.5	4107.9	4112.2	4116.4	4107.9	4085.2	4062.6
7.5°	4017.2	4044.1	4052.6	4086.7	4143.4	4194.4	4232.7	4248.3	4227.0	4194.4
10°	3864.0	3893.8	3923.6	4004.4	4105.1	4225.6	4327.7	4388.7	4384.4	4353.3
12.5°	3553.5	3584.7	3648.5	3805.9	3990.2	4202.9	4393.0	4520.6	4564.5	4541.8
15°	3305.4	3332.3	3380.5	3542.2	3781.8	4105.1	4417.1	4665.2	4777.2	4764.5
17.5°	3298.3	3309.6	3339.4	3416.0	3600.3	3952.0	4391.5	4807.0	5021.1	5019.7
20°	3423.0	3427.3	3444.3	3459.9	3564.8	3835.7	4326.3	4924.7	5294.8	5294.8
22.5°	3596.0	3593.2	3610.2	3596.0	3647.1	3825.8	4285.2	5028.2	5599.7	5622.4
25°	3855.5	3841.4	3837.1	3804.5	3814.4	3917.9	4330.6	5145.9	5961.3	6008.1
27.5°	4201.5	4178.8	4163.2	4088.1	4062.6	4107.9	4469.5	5287.7	6364.0	6444.8
30°	4652.4	4611.3	4588.6	4458.2	4366.0	4373.1	4679.4	5476.3	6785.1	6915.6
32.5°	5267.9	5204.0	5143.1	4929.0	4760.2	4704.9	4950.2	5737.2	7241.7	7450.2
35°	5957.0	5906.0	5840.7	5510.3	5250.8	5123.2	5316.1	6101.6	7776.3	8106.7
37.5°	6620.6	6576.7	6607.9	6162.6	5828.0	5642.2	5795.4	6590.9	8435.7	8923.5
40°	7306.9	7272.9	7277.2	6851.8	6461.8	6253.4	6376.7	7204.8	9191.5	9894.8
42.5°	8052.8	8027.3	7942.2	7565.0	7126.9	6932.6	7046.0	7913.8	10002.6	11000.8
45°	8888.0	8872.4	8793.0	8360.5	7858.5	7640.2	7793.3	8696.6	10817.9	12041.6
47.5°	9609.8	9622.5	9612.6	9248.2	8727.8	8407.3	8590.2	9513.3	11576.5	13020.0
50°	9957.2	10023.8	10121.7	10008.2	9684.9	9358.8	9394.2	10301.7	12299.7	13937.5
52.5°	9775.7	9901.9	10168.5	10350.0	10474.7	10406.7	10311.7	11084.5	12980.3	14765.6
55°	9099.3	9276.5	9719.0	10157.1	10793.8	11288.7	11413.5	11952.3	13644.0	15494.5
57.5°	7867.0	8154.9	8551.9	9438.2	10510.2	11715.5	12698.2	13156.2	14347.3	16272.9
60°	5754.2	6139.9	6633.4	7952.1	9517.6	11487.2	13791.4	15005.2	15347.0	17281.1
62.5°	3682.5	3920.8	4374.5	5616.7	7416.1	10317.3	14126.1	17316.6	17041.5	18934.5
65°	2521.2	2674.3	3089.8	3787.5	4794.2	7679.9	13229.9	19049.4	19732.8	21555.0
67.5°	1832.1	1948.3	2302.8	2914.0	3123.8	4544.7	10266.3	18970.0	22349.1	24254.8
70°	1335.8	1418.0	1715.8	2302.8	2403.5	2528.3	6219.3	16125.5	22292.3	24972.3
72.5°	989.8	1046.5	1246.4	1786.7	1945.5	1707.3	3078.5	11719.7	19155.7	22587.3
75°	716.1	758.6	906.1	1366.9	1557.0	1300.3	1535.7	6848.9	13361.8	15888.7
77.5°	547.3	580.0	676.4	1001.1	1246.4	975.6	952.9	3150.8	6335.6	6366.8
80°	439.6	460.8	513.3	704.7	955.7	730.3	621.1	1271.9	2002.2	1694.5
82.5°	323.3	358.8	433.9	494.9	683.5	503.4	378.6	642.4	761.5	655.1
85°	184.3	208.4	262.3	354.5	436.7	307.7	217.0	285.0	354.5	290.7
87.5°	65.2	85.1	92.2	139.0	190.0	127.6	83.7	82.2	116.3	86.5
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°
3917.9	0°	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9	3917.9
3960.5	2.5°	3946.3	3939.2	3910.8	3872.6	3832.8	3794.6	3781.8	3754.9	3736.4	3726.5
4052.6	5°	4025.7	4003.0	3936.4	3851.3	3761.9	3665.5	3597.5	3535.1	3489.7	3447.2
4178.8	7.5°	4139.1	4099.4	3984.6	3835.7	3676.9	3516.6	3397.5	3306.8	3245.8	3206.1
4326.3	10°	4271.0	4210.0	4034.2	3811.6	3566.3	3336.5	3196.2	3118.2	3079.9	3058.6
4495.1	12.5°	4422.7	4336.2	4085.2	3756.3	3397.5	3135.2	3038.8	3016.1	3017.5	3018.9
4707.8	15°	4609.9	4489.4	4126.4	3635.7	3177.7	2980.6	2963.6	3000.5	3038.8	3057.2
4948.8	17.5°	4821.2	4651.0	4133.5	3437.2	2962.2	2881.4	2935.3	3014.7	3072.8	3098.3
5218.2	20°	5048.1	4815.5	4082.4	3156.5	2784.9	2800.5	2897.0	2999.1	3062.9	3095.5
5525.9	22.5°	5307.6	4991.3	3960.5	2861.5	2640.3	2712.6	2826.1	2925.3	2992.0	3024.6
5887.5	25°	5603.9	5188.5	3769.0	2613.4	2515.5	2613.4	2726.8	2809.1	2862.9	2892.7
6291.7	27.5°	5932.9	5394.1	3513.8	2416.3	2406.3	2511.3	2604.9	2668.7	2697.0	2719.7
6721.3	30°	6263.3	5581.2	3204.7	2267.4	2311.3	2410.6	2477.2	2505.6	2514.1	2518.4
7200.6	32.5°	6620.6	5742.9	2880.0	2144.0	2220.6	2312.8	2352.5	2365.2	2325.5	2298.6
7782.0	35°	7053.1	5915.9	2562.3	2046.2	2131.2	2210.7	2223.4	2212.1	2165.3	2110.0
8510.8	37.5°	7587.7	6131.4	2308.5	1976.7	2047.6	2100.1	2084.5	2081.6	2085.9	2020.6
9387.1	40°	8242.8	6412.2	2122.7	1922.8	1979.5	1990.9	1946.9	1971.0	1992.3	1893.0
10348.5	42.5°	8970.2	6751.1	2005.0	1885.9	1922.8	1895.9	1827.8	1854.7	1851.9	1721.4
11314.2	45°	9711.9	7119.8	1963.9	1859.0	1870.3	1816.5	1741.3	1748.4	1688.8	1571.1
12240.2	47.5°	10449.2	7515.4	1989.4	1836.3	1805.1	1744.1	1686.0	1654.8	1566.9	1479.0
13127.8	50°	11172.4	7930.9	2083.0	1790.9	1715.8	1680.3	1637.8	1582.5	1488.9	1413.7
13967.3	52.5°	11843.1	8349.2	2188.0	1715.8	1603.8	1625.0	1598.1	1534.3	1442.1	1365.5
14761.3	55°	12478.4	8767.5	2229.1	1612.3	1498.8	1576.8	1561.2	1443.5	1332.9	1270.5
15592.3	57.5°	13170.4	9270.9	2183.7	1480.4	1413.7	1521.5	1462.0	1331.5	1267.7	1220.9
16674.2	60°	14128.9	10060.7	2085.9	1317.3	1332.9	1439.3	1337.2	1283.3	1213.8	1161.3
18296.4	62.5°	15721.3	11534.0	1928.5	1155.7	1237.9	1317.3	1277.6	1223.7	1152.8	1101.8
21070.0	65°	18075.2	13581.6	1632.1	1029.5	1131.6	1198.2	1213.8	1159.9	1086.2	1032.3
23500.5	67.5°	20060.4	14866.3	1235.1	924.5	1022.4	1101.8	1145.7	1093.3	1015.3	962.8
24069.1	70°	19951.2	13933.2	943.0	821.0	926.0	1006.8	1063.5	1022.4	938.7	889.1
21862.7	72.5°	17720.7	11655.9	762.9	716.1	828.1	907.5	975.6	944.4	859.3	811.1
16016.3	75°	13018.6	8274.0	609.7	609.7	706.2	804.0	879.2	859.3	781.3	747.3
6724.1	77.5°	5487.6	3471.3	477.9	506.2	587.1	690.6	784.2	791.2	723.2	765.7
1778.2	80°	1459.1	957.1	364.4	398.5	460.8	570.0	682.1	679.2	605.5	565.8
660.8	82.5°	555.9	377.2	259.5	280.8	333.2	436.7	540.3	557.3	483.5	418.3
259.5	85°	214.1	161.7	160.2	168.7	194.3	289.3	408.4	422.6	364.4	309.1
72.3	87.5°	55.3	48.2	59.6	56.7	89.3	154.6	234.0	242.5	222.6	129.0
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°
3917.9
3737.8
3464.2
3214.6
3064.3
3021.8
3055.8
3104.0
3104.0
3033.1
2901.2
2728.2
2528.3
2307.1
2112.8
2024.9
1895.9
1720.0
1575.4
1479.0
1408.1
1366.9
1264.9
1216.6
1158.5
1101.8
1035.1
964.2
893.3
811.1
737.4
694.8
526.1
418.3
319.0
184.3
0.0

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