

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: P848246

Luminaire Tested: **GLAN-SB4D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848246
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-SB4D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31600 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

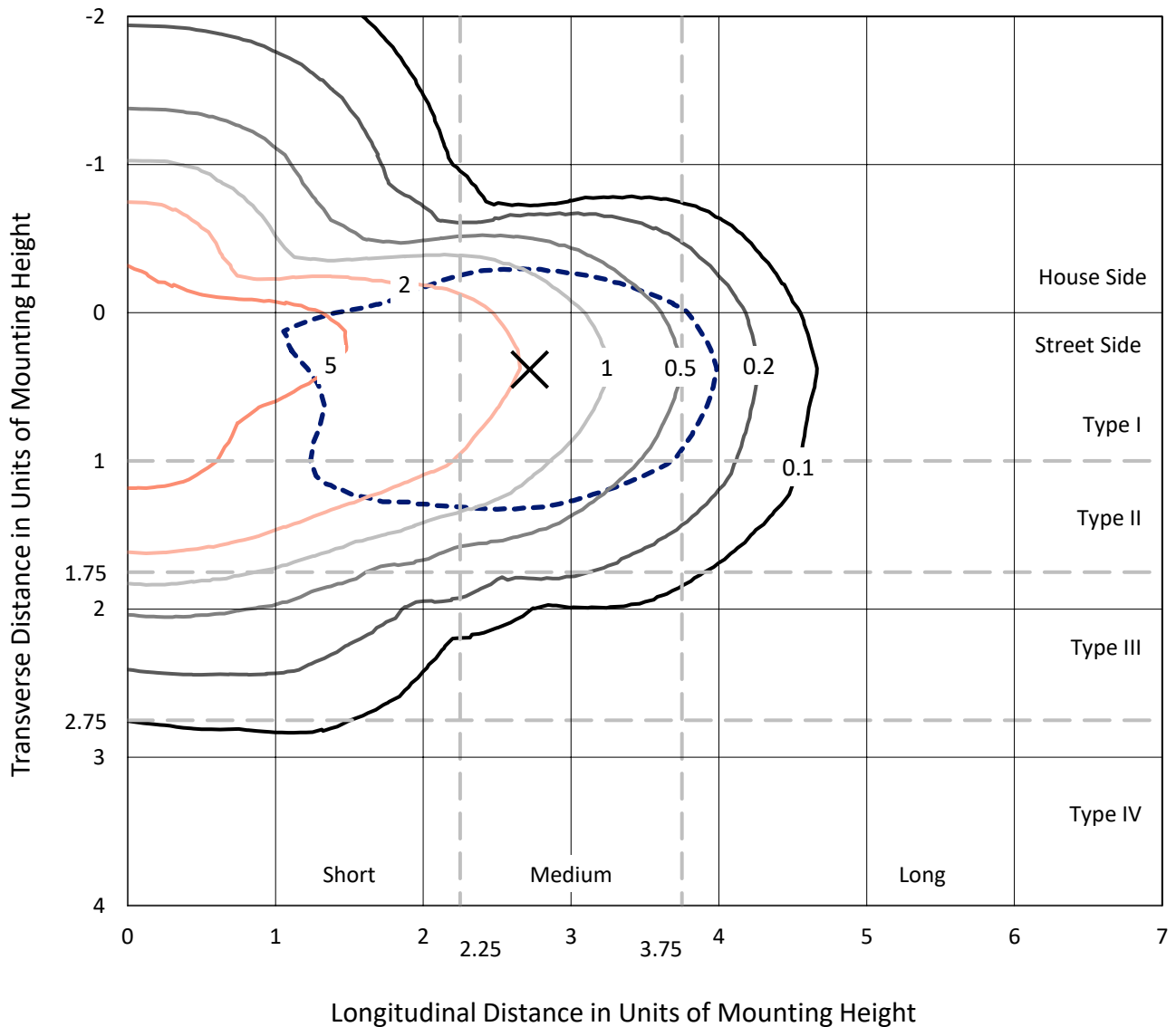
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

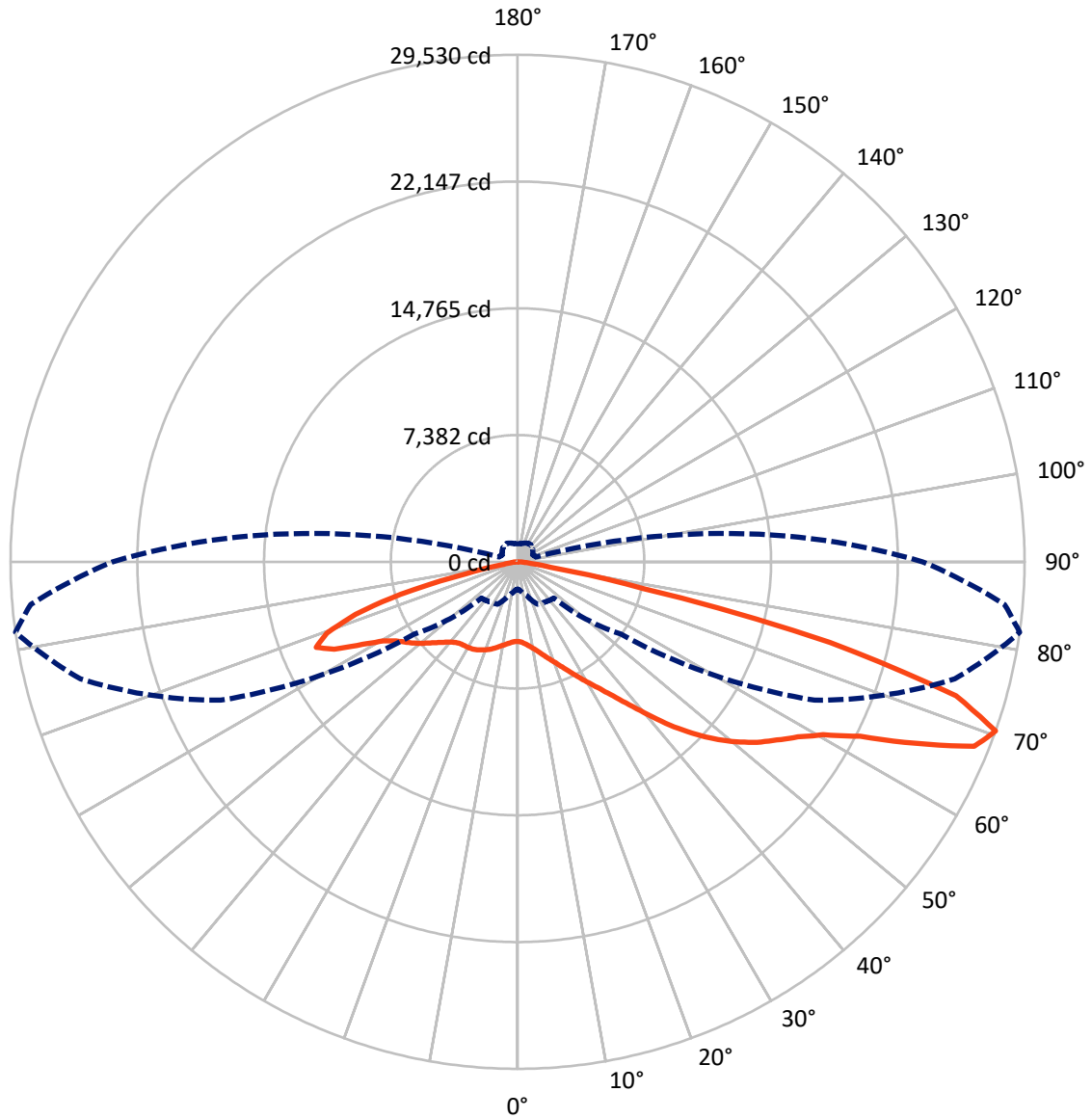
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	7790.2	0.0	7790.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23809.8	0.0	23809.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	31600.0	0.0	31600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.4	1.4
10°-20°	1256.8	4.0
20°-30°	2102.5	6.7
30°-40°	3284.6	10.4
40°-50°	5231.1	16.6
50°-60°	7279.7	23.0
60°-70°	7614.9	24.1
70°-80°	3979.9	12.6
80°-90°	413.3	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°	31600.0	100.0
0°-180°	31600.0	100.0

Coefficient of Utilization



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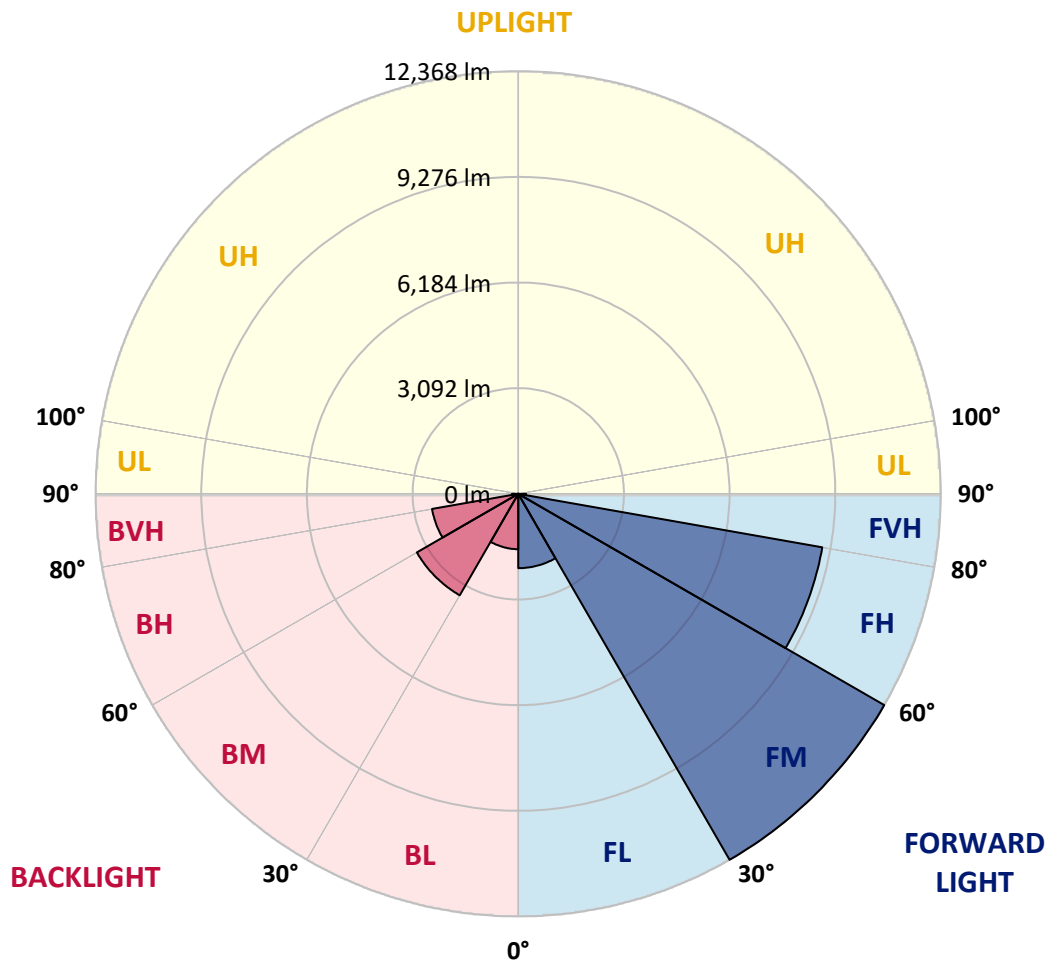
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2176.0	6.9			
FM (30°-60°)	12367.9	39.1			
FH (60°-80°)	9034.5	28.6			G4/12000
FVH (80°-90°)	231.4	0.7			G3/500
BL (0°-30°)	1620.6	5.1	B3/2500		
BM (30°-60°)	3427.4	10.8	B3/5000		
BH (60°-80°)	2560.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	181.9	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



REPORT NUMBER: P848246
 CATALOG NUMBER: GLAN-SB4D-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0
2.5°	4743.6	4770.5	4762.1	4753.7	4753.7	4741.9	4740.3	4723.5	4710.1	4688.3
5°	4804.0	4832.5	4829.1	4835.8	4857.6	4862.7	4867.7	4857.6	4830.8	4804.0
7.5°	4750.3	4782.2	4792.2	4832.5	4899.6	4959.9	5005.2	5023.6	4998.5	4959.9
10°	4569.2	4604.4	4639.7	4735.2	4854.3	4996.8	5117.5	5189.6	5184.6	5147.7
12.5°	4202.0	4238.9	4314.4	4500.5	4718.5	4970.0	5194.7	5345.6	5397.6	5370.7
15°	3908.6	3940.4	3997.5	4188.6	4472.0	4854.3	5223.2	5516.6	5649.1	5634.0
17.5°	3900.2	3913.6	3948.8	4039.4	4257.4	4673.2	5193.0	5684.3	5937.5	5935.8
20°	4047.8	4052.8	4072.9	4091.4	4215.4	4535.7	5115.9	5823.5	6261.1	6261.1
22.5°	4252.3	4249.0	4269.1	4252.3	4312.7	4524.0	5067.2	5945.9	6621.6	6648.4
25°	4559.2	4542.4	4537.4	4498.8	4510.5	4633.0	5120.9	6085.1	7049.2	7104.5
27.5°	4968.3	4941.5	4923.0	4834.2	4804.0	4857.6	5285.2	6252.7	7525.4	7621.0
30°	5501.5	5452.9	5426.1	5271.8	5162.8	5171.2	5533.4	6475.7	8023.4	8177.7
32.5°	6229.3	6153.8	6081.7	5828.5	5629.0	5563.6	5853.7	6784.3	8563.3	8809.8
35°	7044.2	6983.8	6906.7	6516.0	6209.1	6058.2	6286.3	7215.2	9195.5	9586.2
37.5°	7828.9	7776.9	7813.8	7287.3	6891.6	6671.9	6853.0	7793.7	9975.2	10552.0
40°	8640.5	8600.2	8605.3	8102.2	7641.1	7394.6	7540.5	8519.7	10868.9	11700.6
42.5°	9522.5	9492.3	9391.7	8945.6	8427.5	8197.8	8331.9	9358.1	11828.0	13008.5
45°	10510.1	10491.6	10397.7	9886.3	9292.7	9034.5	9215.6	10283.7	12792.2	14239.3
47.5°	11363.6	11378.7	11366.9	10936.0	10320.6	9941.7	10158.0	11249.5	13689.3	15396.2
50°	11774.4	11853.2	11968.9	11834.7	11452.4	11066.8	11108.7	12181.8	14544.4	16481.1
52.5°	11559.8	11709.0	12024.2	12238.8	12386.4	12305.9	12193.6	13107.4	15349.3	17460.4
55°	10759.9	10969.5	11492.7	12010.8	12763.7	13348.9	13496.4	14133.6	16134.0	18322.2
57.5°	9302.8	9643.2	10112.7	11160.7	12428.3	13853.6	15015.6	15557.2	16965.7	19242.8
60°	6804.4	7260.5	7844.0	9403.4	11254.6	13583.6	16308.4	17743.7	18147.8	20435.0
62.5°	4354.6	4636.3	5172.9	6641.7	8769.6	12200.3	16704.1	20476.9	20151.6	22390.1
65°	2981.3	3162.4	3653.7	4478.7	5669.2	9081.5	15644.4	22525.9	23334.1	25488.8
67.5°	2166.4	2303.9	2723.1	3445.8	3694.0	5374.1	12139.9	22432.0	26427.8	28681.4
70°	1579.5	1676.8	2028.9	2723.1	2842.1	2989.7	7354.4	19068.4	26360.7	29529.8
72.5°	1170.4	1237.5	1473.9	2112.7	2300.5	2018.8	3640.3	13858.6	22651.7	26709.5
75°	846.8	897.1	1071.5	1616.4	1841.1	1537.6	1816.0	8098.9	15800.3	18788.4
77.5°	647.2	685.8	799.8	1183.8	1473.9	1153.6	1126.8	3725.8	7491.9	7528.8
80°	519.8	545.0	607.0	833.4	1130.2	863.5	734.4	1504.1	2367.6	2003.8
82.5°	382.3	424.2	513.1	585.2	808.2	595.3	447.7	759.6	900.4	774.7
85°	218.0	246.5	310.2	419.2	516.4	363.9	256.5	337.0	419.2	343.7
87.5°	77.1	100.6	109.0	164.3	224.7	150.9	98.9	97.3	137.5	102.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848246
 CATALOG NUMBER: GLAN-SB4D-722-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4633.0	0°	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0	4633.0
4683.3	2.5°	4666.5	4658.1	4624.6	4579.3	4532.3	4487.1	4472.0	4440.1	4418.3	4406.6
4792.2	5°	4760.4	4733.6	4654.8	4554.1	4448.5	4334.5	4254.0	4180.2	4126.6	4076.3
4941.5	7.5°	4894.5	4847.6	4711.8	4535.7	4347.9	4158.4	4017.6	3910.3	3838.2	3791.2
5115.9	10°	5050.5	4978.4	4770.5	4507.2	4217.1	3945.5	3779.5	3687.2	3642.0	3616.8
5315.4	12.5°	5229.9	5127.6	4830.8	4441.8	4017.6	3707.4	3593.3	3566.5	3568.2	3569.9
5566.9	15°	5451.2	5308.7	4879.4	4299.3	3757.7	3524.6	3504.5	3548.1	3593.3	3615.1
5852.0	17.5°	5701.1	5499.9	4887.8	4064.5	3502.8	3407.2	3470.9	3564.8	3633.6	3663.8
6170.6	20°	5969.4	5694.4	4827.5	3732.5	3293.2	3311.6	3425.7	3546.4	3621.9	3660.4
6534.4	22.5°	6276.2	5902.3	4683.3	3383.8	3122.2	3207.7	3341.8	3459.2	3538.0	3576.6
6962.0	25°	6626.7	6135.4	4456.9	3090.3	2974.6	3090.3	3224.5	3321.7	3385.4	3420.6
7439.9	27.5°	7015.7	6378.5	4155.1	2857.2	2845.5	2969.6	3080.3	3155.7	3189.2	3216.1
7948.0	30°	7406.4	6599.8	3789.5	2681.2	2733.2	2850.5	2929.3	2962.9	2972.9	2978.0
8514.7	32.5°	7828.9	6791.0	3405.5	2535.3	2625.8	2734.8	2781.8	2796.9	2749.9	2718.1
9202.2	35°	8340.3	6995.5	3029.9	2419.6	2520.2	2614.1	2629.2	2615.8	2560.4	2495.1
10064.1	37.5°	8972.5	7250.4	2729.8	2337.4	2421.3	2483.3	2464.9	2461.5	2466.5	2389.4
11100.3	40°	9747.1	7582.4	2510.1	2273.7	2340.8	2354.2	2302.2	2330.7	2355.9	2238.5
12237.2	42.5°	10607.3	7983.2	2371.0	2230.1	2273.7	2241.9	2161.4	2193.2	2189.9	2035.6
13379.1	45°	11484.3	8419.1	2322.3	2198.3	2211.7	2148.0	2059.1	2067.5	1997.1	1857.9
14474.0	47.5°	12356.2	8887.0	2352.5	2171.4	2134.5	2062.4	1993.7	1956.8	1852.8	1748.9
15523.7	50°	13211.4	9378.3	2463.2	2117.8	2028.9	1987.0	1936.7	1871.3	1760.6	1671.8
16516.3	52.5°	14004.5	9872.9	2587.3	2028.9	1896.4	1921.6	1889.7	1814.3	1705.3	1614.7
17455.3	55°	14755.7	10367.6	2635.9	1906.5	1772.4	1864.6	1846.1	1707.0	1576.2	1502.4
18437.9	57.5°	15574.0	10962.8	2582.2	1750.6	1671.8	1799.2	1728.8	1574.5	1499.0	1443.7
19717.3	60°	16707.5	11896.8	2466.5	1557.7	1576.2	1701.9	1581.2	1517.5	1435.3	1373.3
21635.5	62.5°	18590.5	13639.0	2280.4	1366.6	1463.8	1557.7	1510.8	1447.1	1363.2	1302.9
24915.3	65°	21374.0	16060.2	1930.0	1217.3	1338.1	1416.9	1435.3	1371.6	1284.4	1220.7
27789.3	67.5°	23721.5	17579.4	1460.5	1093.3	1209.0	1302.9	1354.8	1292.8	1200.6	1138.5
28461.7	70°	23592.4	16476.1	1115.1	970.9	1094.9	1190.5	1257.6	1209.0	1110.0	1051.3
25852.7	72.5°	20954.8	13783.2	902.1	846.8	979.2	1073.1	1153.6	1116.7	1016.1	959.1
18939.3	75°	15394.6	9784.0	721.0	721.0	835.0	950.7	1039.6	1016.1	923.9	883.7
7951.3	77.5°	6489.2	4104.8	565.1	598.6	694.2	816.6	927.3	935.6	855.2	905.5
2102.7	80°	1725.4	1131.8	430.9	471.2	545.0	674.1	806.5	803.2	716.0	669.0
781.4	82.5°	657.3	446.0	306.9	332.0	394.0	516.4	638.9	659.0	571.8	494.7
306.9	85°	253.2	191.2	189.5	199.5	229.7	342.1	482.9	499.7	430.9	365.5
85.5	87.5°	65.4	57.0	70.4	67.1	105.6	182.8	276.7	286.7	263.3	152.6
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°
4633.0
4420.0
4096.4
3801.3
3623.5
3573.2
3613.5
3670.5
3670.5
3586.6
3430.7
3226.1
2989.7
2728.1
2498.4
2394.4
2241.9
2033.9
1862.9
1748.9
1665.0
1616.4
1495.7
1438.7
1369.9
1302.9
1224.1
1140.2
1056.4
959.1
871.9
821.6
622.1
494.7
377.3
218.0
0.0

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