

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: P852767

Luminaire Tested: **GLAN-SB6B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32602 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

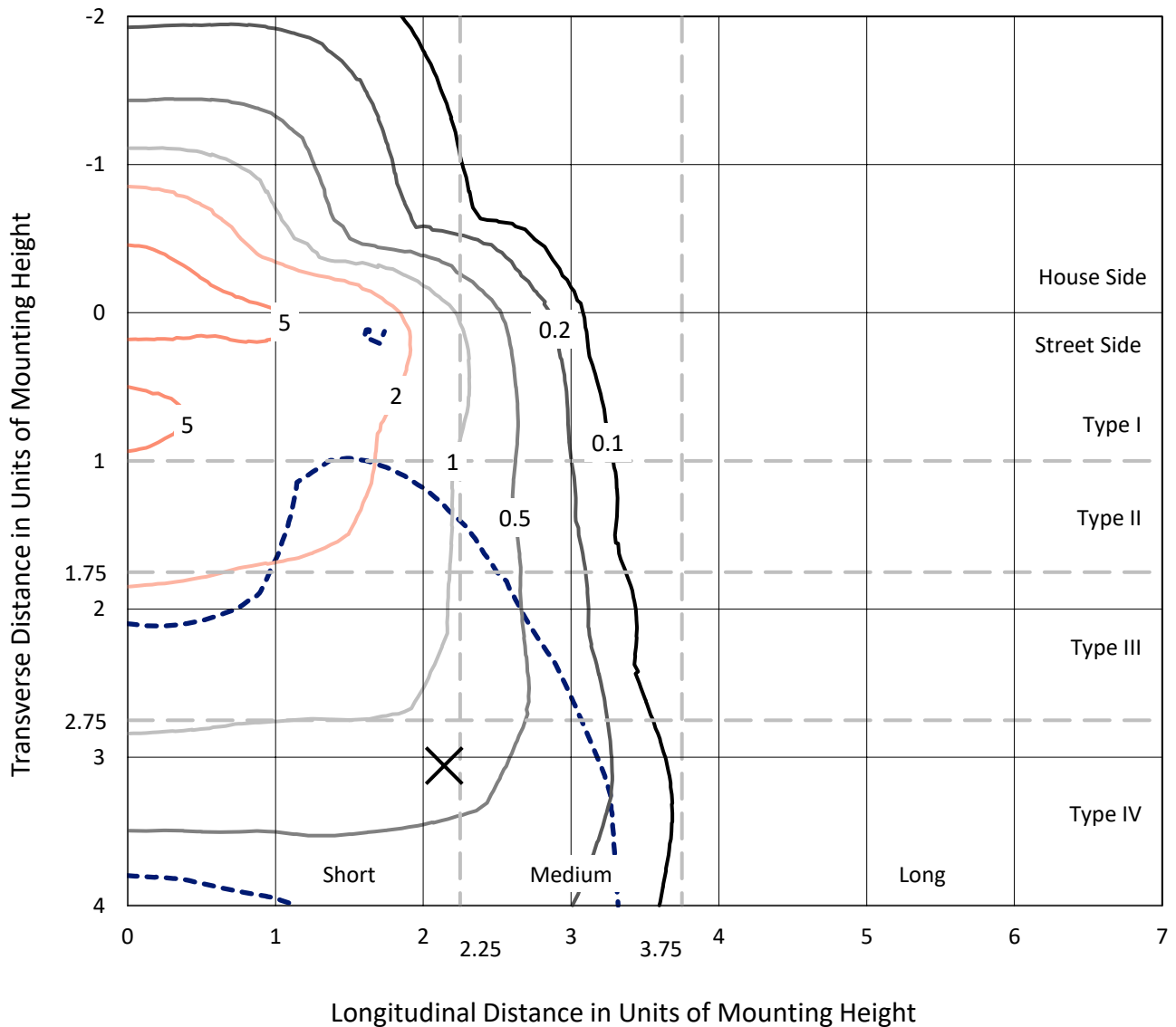
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

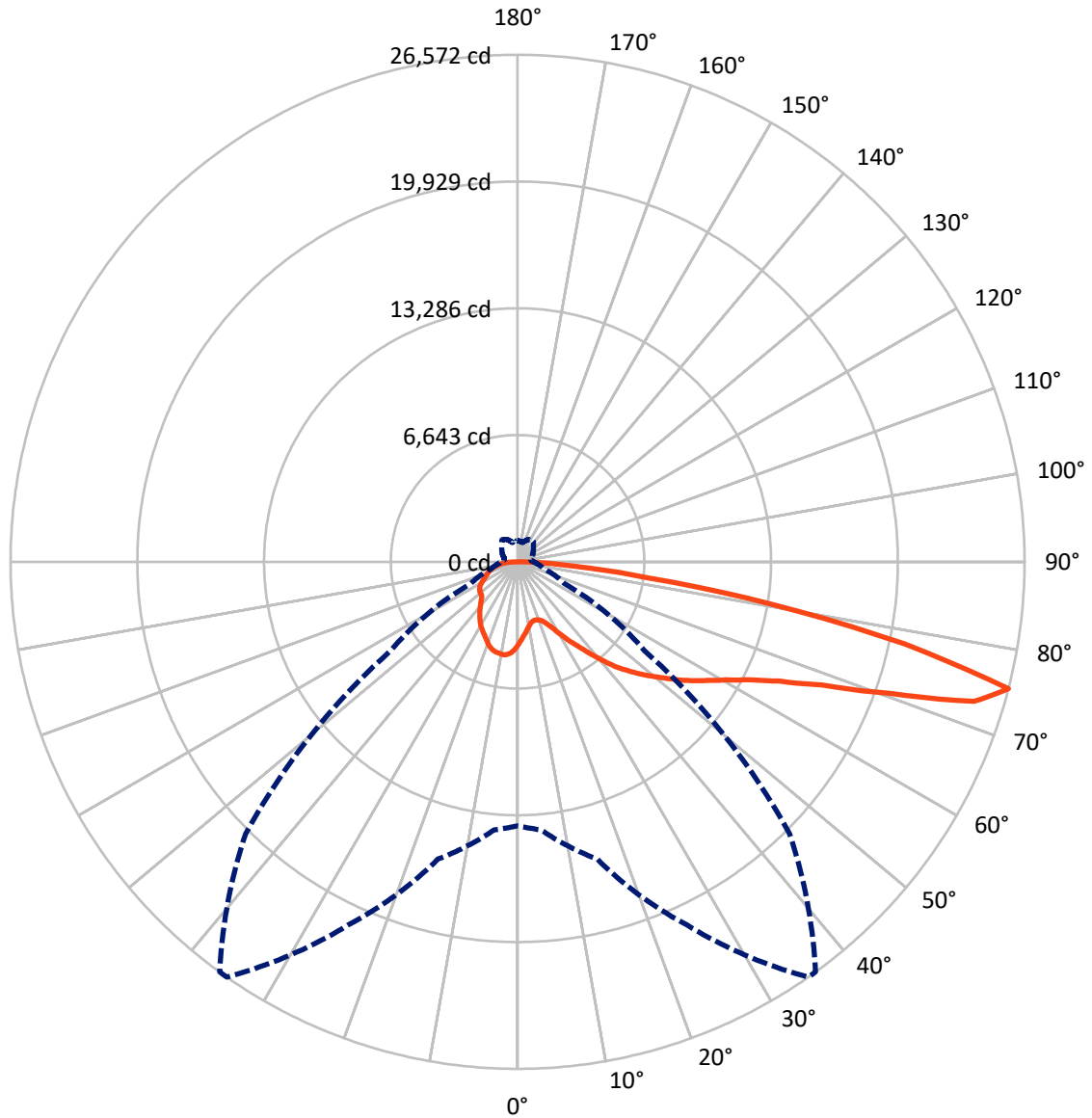
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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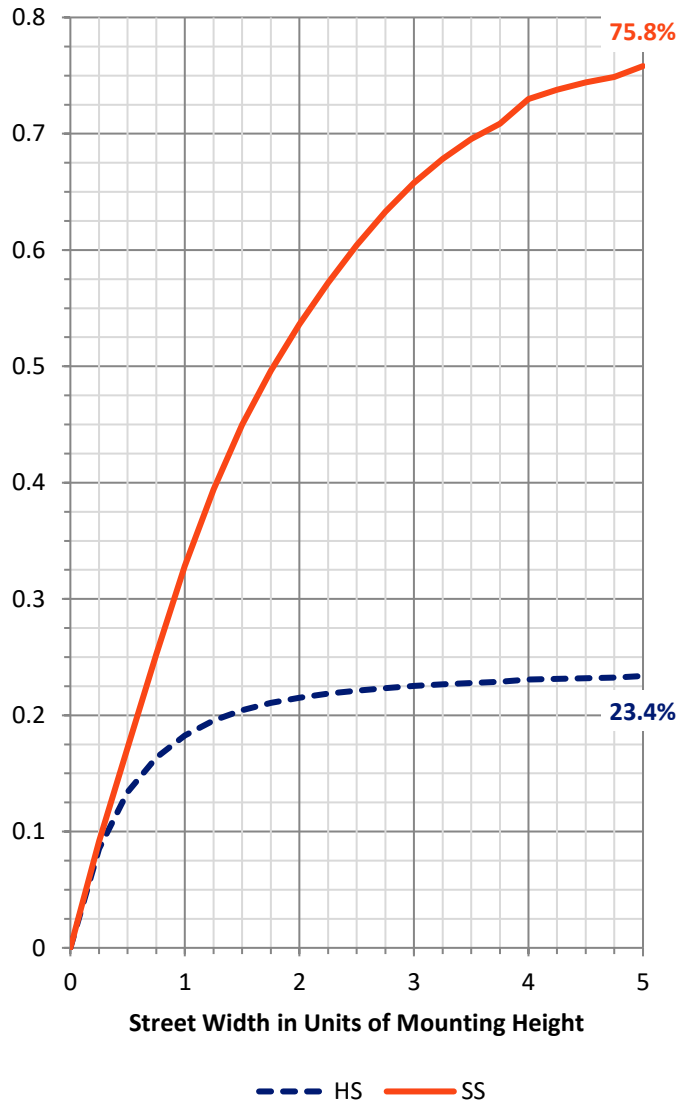
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7758.5	0.0	7758.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	24843.5	0.0	24843.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	32602.0	0.0	32602.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.3	1.3
10°-20°	1186.5	3.6
20°-30°	1992.4	6.1
30°-40°	3096.4	9.5
40°-50°	4595.9	14.1
50°-60°	6344.9	19.5
60°-70°	7697.9	23.6
70°-80°	6361.7	19.5
80°-90°	915.0	2.8
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°	32602.0	100.0
0°-180°	32602.0	100.0

Coefficient of Utilization



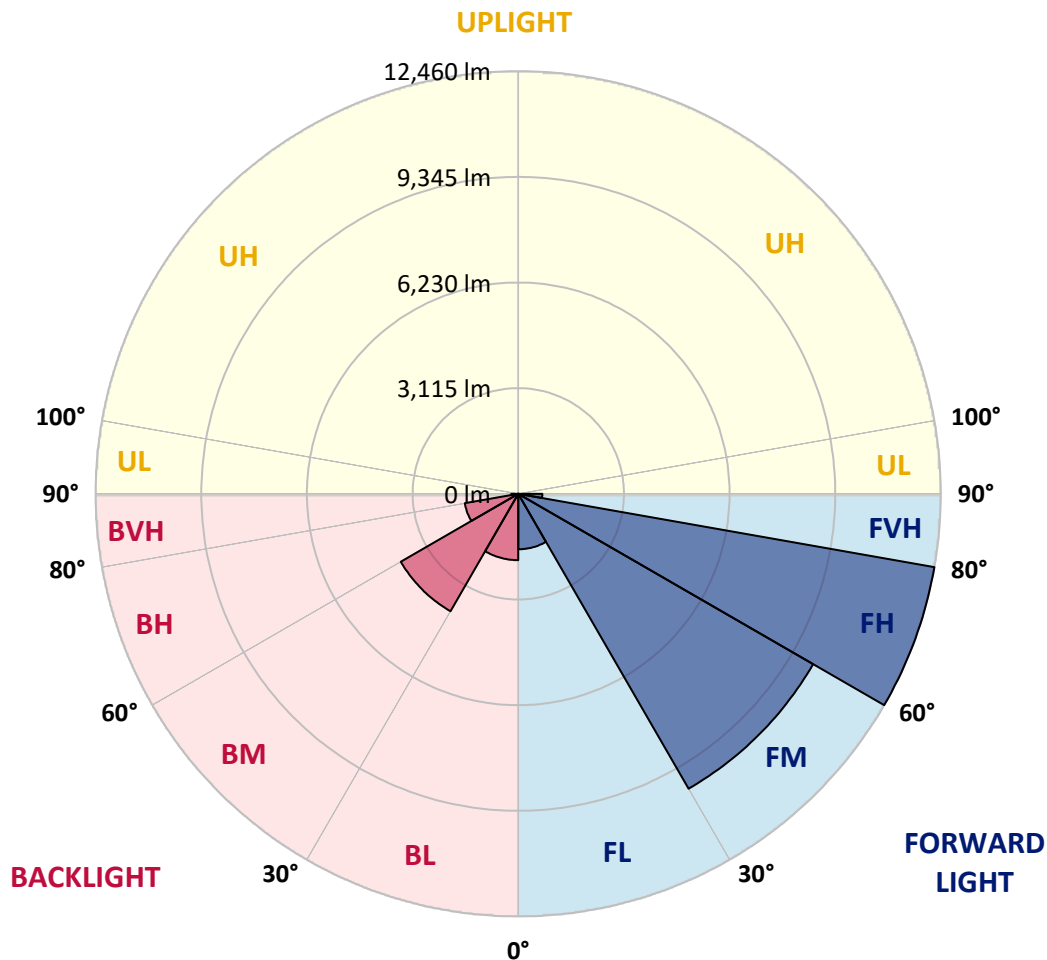
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1634.9	5.0			
FM (30°-60°)	10039.6	30.8			
FH (60°-80°)	12460.0	38.2			G5
FVH (80°-90°)	709.0	2.2			G4/750
BL (0°-30°)	1955.2	6.0	B3/2500		
BM (30°-60°)	3997.6	12.3	B3/5000		
BH (60°-80°)	1599.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	206.0	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4
2.5°	4006.0	4030.7	4041.3	4036.0	4062.4	4058.9	4095.9	4141.8	4205.2	4266.9
5°	3697.6	3724.1	3747.0	3768.1	3819.2	3835.1	3893.3	3981.4	4097.7	4215.8
7.5°	3410.3	3433.3	3468.5	3507.3	3593.6	3609.5	3706.4	3843.9	4006.0	4178.8
10°	3175.9	3198.8	3235.9	3279.9	3387.4	3406.8	3530.2	3713.5	3925.0	4143.5
12.5°	3075.5	3082.5	3103.7	3147.7	3241.1	3253.5	3389.2	3598.9	3845.7	4117.1
15°	3070.2	3084.3	3086.0	3109.0	3186.5	3191.8	3316.9	3524.9	3796.3	4111.8
17.5°	3123.1	3133.6	3117.8	3131.9	3197.1	3205.9	3304.6	3489.6	3780.5	4134.7
20°	3264.1	3272.9	3225.3	3205.9	3253.5	3260.5	3357.5	3512.6	3796.3	4182.3
22.5°	3563.7	3569.0	3452.6	3373.3	3376.9	3380.4	3465.0	3606.0	3858.0	4268.7
25°	4030.7	4027.2	3842.1	3688.8	3600.7	3581.3	3637.7	3757.5	3962.0	4383.2
27.5°	4577.1	4550.6	4365.6	4136.5	3944.4	3916.2	3903.8	3954.9	4110.0	4534.8
30°	5193.9	5169.3	4970.1	4670.5	4404.4	4358.5	4242.2	4215.8	4330.3	4741.0
32.5°	5870.7	5854.9	5616.9	5253.9	4897.8	4845.0	4649.3	4578.8	4668.7	5052.9
35°	6438.2	6424.1	6226.7	5853.1	5417.8	5352.6	5153.4	5074.1	5119.9	5453.0
37.5°	6951.1	6944.0	6774.9	6480.5	6031.1	5951.8	5728.0	5701.5	5692.7	5980.0
40°	7427.0	7409.3	7233.1	7078.0	6744.9	6672.6	6475.2	6452.3	6385.4	6628.6
42.5°	7953.9	7908.1	7652.6	7580.3	7490.4	7430.5	7312.4	7315.9	7167.9	7360.0
45°	8384.0	8357.5	8094.9	8052.6	8149.6	8124.9	8227.1	8253.5	7966.3	8126.7
47.5°	8845.7	8821.1	8599.0	8569.0	8831.6	8838.7	9200.0	9208.8	8745.3	8923.3
50°	9415.0	9379.8	9159.4	9196.5	9490.8	9517.2	10178.1	10118.2	9462.6	9732.2
52.5°	9790.4	9811.6	9764.0	9823.9	10225.7	10250.4	11140.4	10987.1	10172.9	10530.6
55°	10067.1	10109.4	10257.5	10394.9	11001.2	11025.9	12048.1	11813.7	10761.5	11270.9
57.5°	10423.1	10363.2	10639.9	10907.8	11737.9	11803.1	12931.1	12610.3	11283.2	11908.9
60°	10934.2	10891.9	11107.0	11503.5	12562.7	12666.7	13865.2	13327.6	11665.7	12414.7
62.5°	11970.6	11864.8	11898.3	12249.0	13602.6	13740.1	14919.1	13953.3	11856.0	12612.1
65°	13519.7	13338.2	13169.0	13412.2	15067.2	15202.9	16108.8	14445.0	11785.5	12229.6
67.5°	15470.8	15291.0	15083.0	15312.2	17224.4	17331.9	17576.9	14721.7	11230.3	10756.2
70°	17079.9	17012.9	17261.4	18204.3	20670.0	20673.5	19459.2	14492.6	9709.3	7626.1
72.5°	16866.6	16826.1	18135.6	21050.7	25012.7	24919.3	21241.0	12758.4	6540.4	3440.3
75°	13837.0	14099.6	16128.2	20999.6	26572.4	26560.1	20150.1	8110.8	2705.4	1425.8
77.5°	7419.9	7835.8	10470.7	15504.3	20744.0	21056.0	14166.6	2837.5	1161.5	912.9
80°	2419.8	2782.9	4173.5	7894.0	13479.2	13421.0	6071.6	1113.9	794.9	646.8
82.5°	1027.5	1069.8	1864.7	3727.6	6917.6	6810.1	1933.4	639.8	558.7	442.4
85°	401.8	449.4	823.1	1723.7	2996.2	2931.0	697.9	317.2	357.8	289.0
87.5°	132.2	160.4	294.3	590.4	932.3	898.8	171.0	109.3	155.1	132.2
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°
4344.4	0°	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4	4344.4
4356.8	2.5°	4381.4	4409.6	4443.1	4492.5	4534.8	4570.0	4607.0	4630.0	4638.8	4665.2
4363.8	5°	4413.2	4474.9	4557.7	4638.8	4718.1	4765.7	4808.0	4829.1	4848.5	4862.6
4383.2	7.5°	4466.0	4545.4	4675.8	4781.5	4848.5	4887.3	4915.5	4908.4	4915.5	4919.0
4404.4	10°	4511.9	4622.9	4778.0	4878.5	4929.6	4931.3	4924.3	4899.6	4887.3	4889.0
4436.1	12.5°	4566.5	4689.9	4857.3	4941.9	4956.0	4917.2	4887.3	4845.0	4829.1	4822.1
4483.7	15°	4640.5	4781.5	4943.7	4975.4	4940.1	4890.8	4839.7	4770.9	4735.7	4707.5
4564.7	17.5°	4730.4	4885.5	5010.6	4987.7	4911.9	4830.9	4748.0	4644.1	4571.8	4541.8
4675.8	20°	4855.5	4994.8	5061.8	4961.3	4846.7	4723.4	4582.4	4455.5	4388.5	4358.5
4816.8	22.5°	5007.1	5141.1	5111.1	4915.5	4753.3	4555.9	4379.7	4286.3	4252.8	4231.6
4998.3	25°	5188.7	5303.2	5146.4	4848.5	4600.0	4333.9	4198.2	4168.2	4152.3	4136.5
5220.4	27.5°	5424.8	5486.5	5172.8	4749.8	4360.3	4097.7	4048.3	4053.6	4048.3	4021.9
5528.8	30°	5736.8	5724.4	5197.5	4589.4	4085.4	3884.4	3888.0	3910.9	3914.4	3896.8
5958.8	32.5°	6147.4	6022.3	5209.8	4381.4	3822.8	3697.6	3701.1	3725.8	3743.4	3713.5
6521.1	35°	6644.4	6369.5	5190.4	4120.6	3620.1	3519.6	3493.2	3500.2	3505.5	3477.3
7203.1	37.5°	7224.3	6759.0	5104.1	3831.6	3452.6	3345.1	3288.7	3241.1	3212.9	3186.5
7975.1	40°	7860.5	7183.7	4945.4	3549.6	3265.8	3160.1	3075.5	2985.6	2890.4	2855.2
8792.9	42.5°	8526.7	7620.8	4753.3	3279.9	3050.8	2964.4	2874.6	2744.1	2601.4	2529.1
9642.4	45°	9217.6	8068.5	4564.7	3013.8	2830.5	2793.5	2689.5	2532.6	2377.5	2285.9
10493.6	47.5°	9894.4	8491.5	4288.0	2745.9	2624.3	2664.8	2583.8	2439.2	2266.5	2122.0
11337.8	50°	10541.2	8888.0	3835.1	2474.5	2456.9	2626.0	2548.5	2340.5	2143.1	1958.1
12166.2	52.5°	11182.7	9208.8	3255.2	2227.7	2367.0	2615.5	2502.7	2273.6	2032.1	1838.2
12945.2	55°	11727.3	9374.5	2696.5	2016.2	2236.5	2525.6	2448.0	2194.2	1875.2	1669.0
13479.2	57.5°	12037.5	9240.5	2231.3	1808.3	2056.8	2377.5	2354.6	2025.1	1688.4	1529.8
13583.2	60°	11903.6	8697.7	1850.6	1626.7	1885.8	2217.2	2192.5	1857.6	1545.7	1395.9
13026.3	62.5°	11165.1	7663.1	1549.2	1468.1	1730.7	2053.3	2030.3	1729.0	1436.4	1291.9
11547.6	65°	9677.6	6233.8	1314.8	1335.9	1573.9	1855.9	1889.3	1621.5	1350.0	1209.0
8933.9	67.5°	7381.1	4515.4	1131.5	1221.4	1420.5	1662.0	1758.9	1543.9	1277.8	1143.8
5169.3	70°	4207.0	2564.4	976.4	1110.3	1284.8	1482.2	1658.5	1482.2	1200.2	1089.2
1936.9	72.5°	1595.0	1177.3	844.2	999.3	1154.4	1330.6	1547.4	1385.3	1110.3	1027.5
1001.1	75°	851.3	717.3	710.3	868.9	1004.6	1182.6	1408.2	1290.1	1043.4	1085.7
692.6	77.5°	579.8	507.6	593.9	743.8	840.7	1018.7	1260.2	1145.6	904.1	900.6
479.4	80°	401.8	359.5	482.9	599.2	650.3	856.6	1099.8	983.4	736.7	687.4
296.1	82.5°	241.5	234.4	361.3	447.7	460.0	660.9	911.2	824.8	602.8	525.2
176.2	85°	132.2	139.2	230.9	262.6	267.9	461.8	713.8	638.0	463.5	389.5
63.4	87.5°	37.0	47.6	84.6	104.0	128.7	239.7	424.8	378.9	232.6	162.1
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°
4344.4
4663.4
4866.1
4924.3
4892.6
4818.5
4716.3
4543.6
4355.0
4235.2
4136.5
4027.2
3905.6
3727.6
3496.7
3204.1
2871.0
2537.9
2278.8
2106.1
1942.2
1817.1
1651.4
1508.7
1374.7
1269.0
1186.1
1122.7
1075.1
1013.4
1120.9
830.1
657.4
528.7
393.0
162.1
0.0

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