

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: P853049

Luminaire Tested: **GLAN-SB8B-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853049
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-SB8B-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35882 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

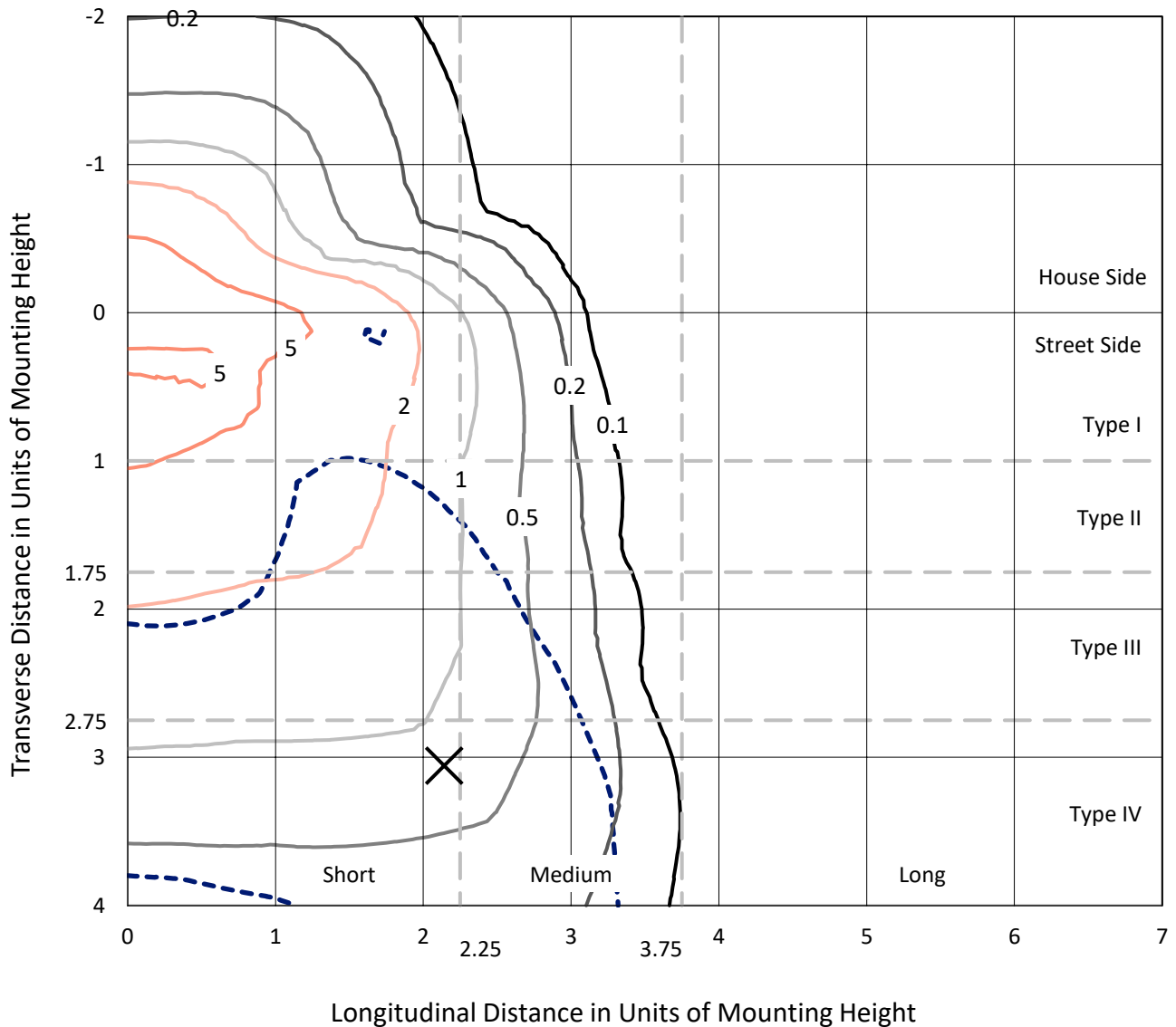
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

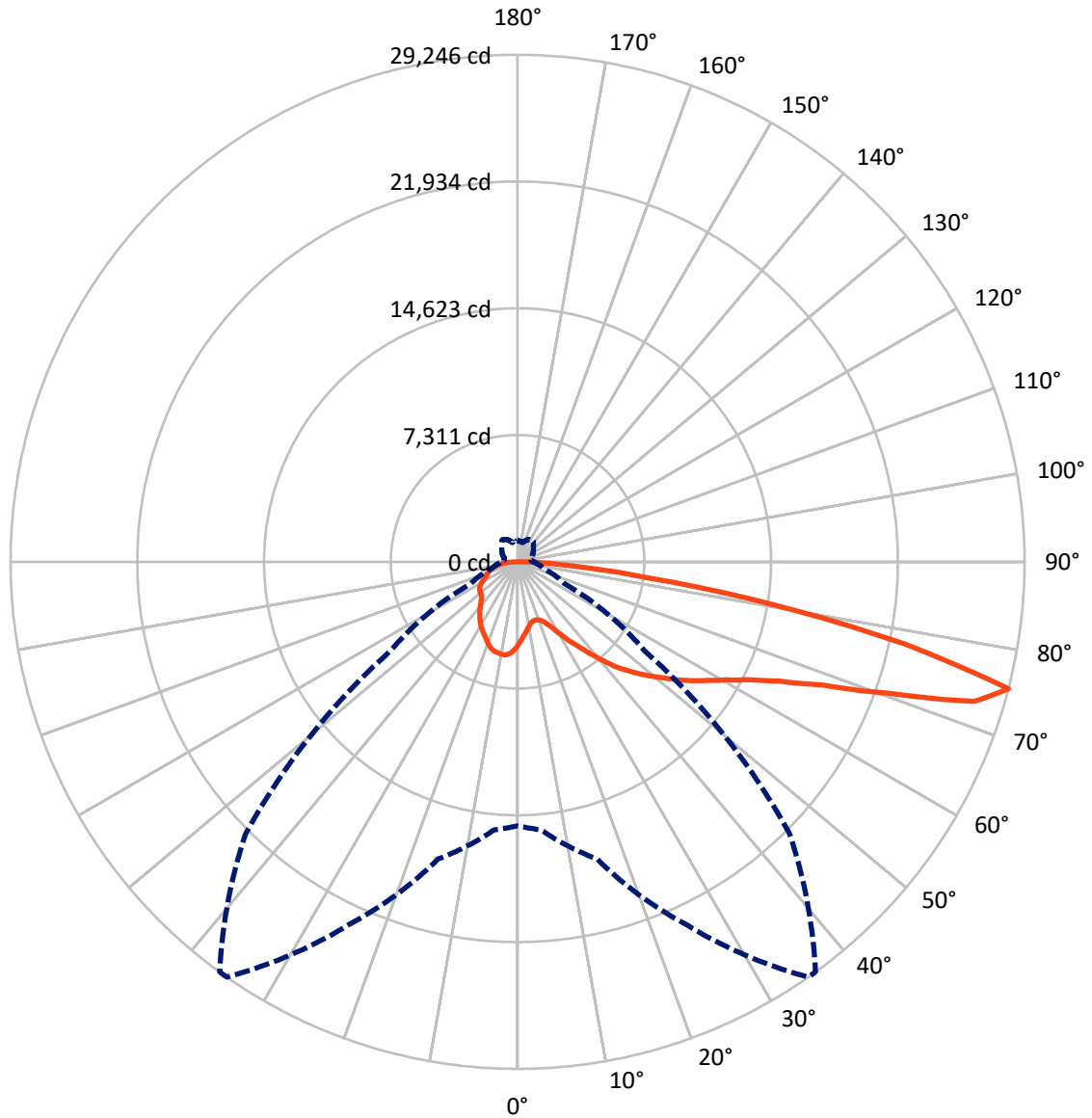
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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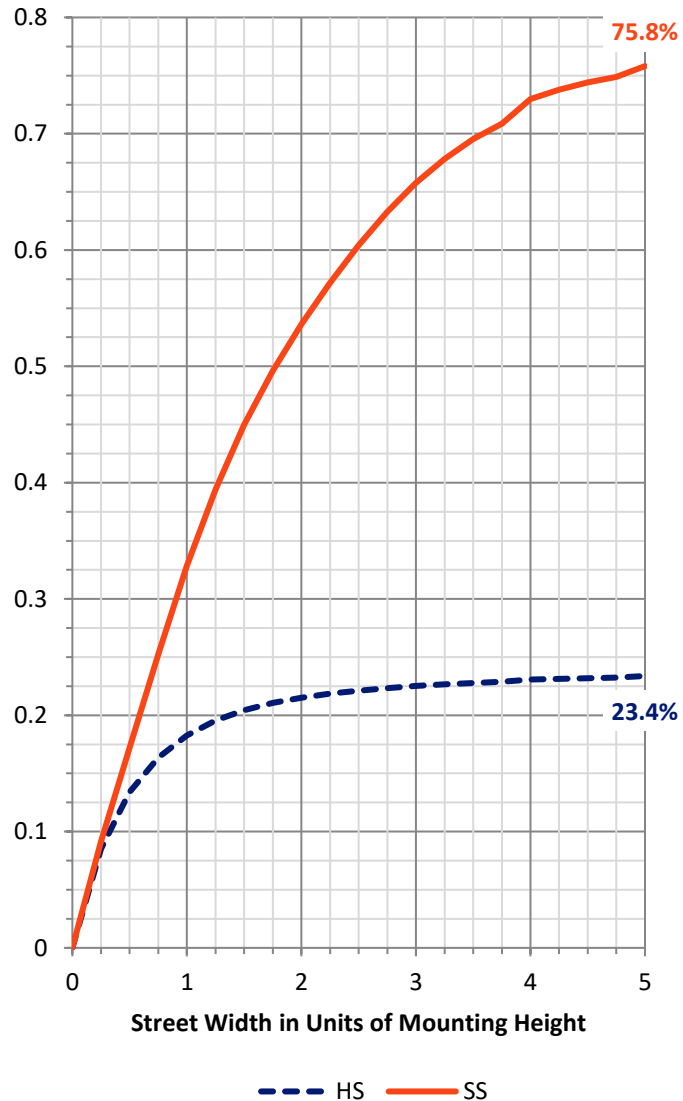
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8539.0	0.0	8539.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	27343.0	0.0	27343.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	35882.0	0.0	35882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.7	1.3
10°-20°	1305.8	3.6
20°-30°	2192.8	6.1
30°-40°	3407.9	9.5
40°-50°	5058.3	14.1
50°-60°	6983.3	19.5
60°-70°	8472.3	23.6
70°-80°	7001.7	19.5
80°-90°	1007.1	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°	35882.0	100.0
0°-180°	35882.0	100.0

Coefficient of Utilization

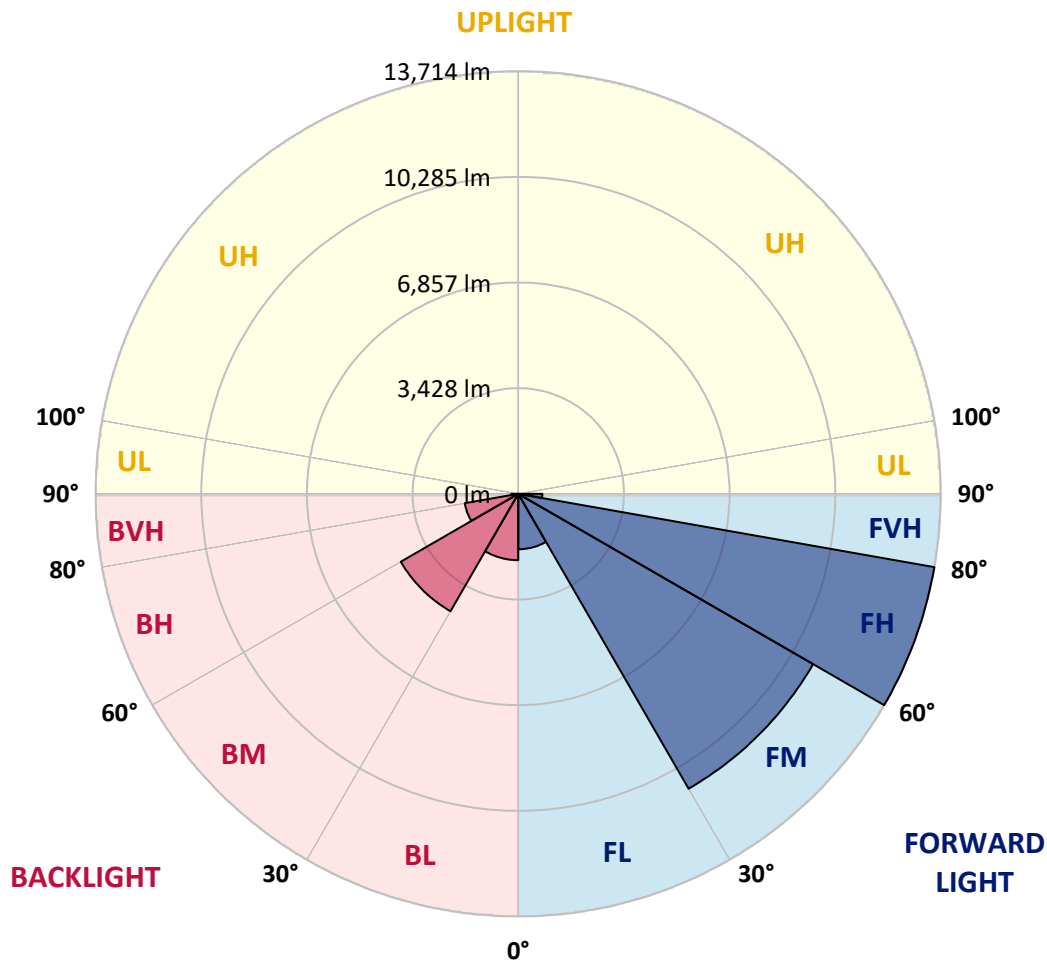


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1799.4	5.0			
FM (30°-60°)	11049.7	30.8			
FH (60°-80°)	13713.6	38.2			G5
FVH (80°-90°)	780.3	2.2			G5
BL (0°-30°)	2151.9	6.0	B3/2500		
BM (30°-60°)	4399.8	12.3	B3/5000		
BH (60°-80°)	1760.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	226.8	0.6			G3/500
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°	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5
2.5°	4409.1	4436.2	4447.9	4442.1	4471.2	4467.3	4508.0	4558.4	4628.3	4696.2
5°	4069.6	4098.7	4123.9	4147.2	4203.5	4220.9	4284.9	4381.9	4510.0	4639.9
7.5°	3753.4	3778.7	3817.5	3860.1	3955.2	3972.6	4079.3	4230.6	4409.1	4599.2
10°	3495.5	3520.7	3561.4	3609.9	3728.2	3749.6	3885.3	4087.1	4319.9	4560.4
12.5°	3384.9	3392.6	3415.9	3464.4	3567.2	3580.8	3730.2	3961.0	4232.6	4531.3
15°	3379.1	3394.6	3396.5	3421.7	3507.1	3512.9	3650.6	3879.5	4178.3	4525.5
17.5°	3437.3	3448.9	3431.4	3447.0	3518.7	3528.4	3637.1	3840.7	4160.8	4550.7
20°	3592.4	3602.1	3549.8	3528.4	3580.8	3588.6	3695.3	3866.0	4178.3	4603.1
22.5°	3922.2	3928.0	3800.0	3712.7	3716.6	3720.5	3813.6	3968.8	4246.1	4698.1
25°	4436.2	4432.4	4228.7	4059.9	3962.9	3941.6	4003.7	4135.6	4360.6	4824.2
27.5°	5037.6	5008.5	4804.8	4552.6	4341.2	4310.2	4296.6	4352.8	4523.5	4991.0
30°	5716.5	5689.3	5470.1	5140.4	4847.5	4797.0	4669.0	4639.9	4766.0	5218.0
32.5°	6461.4	6443.9	6182.0	5782.4	5390.6	5332.4	5117.1	5039.5	5138.4	5561.3
35°	7086.0	7070.4	6853.2	6442.0	5962.8	5891.1	5671.9	5584.6	5635.0	6001.6
37.5°	7650.4	7642.7	7456.5	7132.5	6637.9	6550.6	6304.2	6275.1	6265.4	6581.6
40°	8174.2	8154.8	7960.8	7790.1	7423.5	7343.9	7126.7	7101.5	7027.8	7295.5
42.5°	8754.2	8703.7	8422.5	8342.9	8244.0	8178.0	8048.1	8052.0	7889.0	8100.5
45°	9227.5	9198.4	8909.3	8862.8	8969.5	8942.3	9054.8	9083.9	8767.7	8944.3
47.5°	9735.7	9708.5	9464.1	9431.1	9720.2	9727.9	10125.6	10135.3	9625.1	9821.0
50°	10362.2	10323.4	10081.0	10121.7	10445.6	10474.7	11202.1	11136.2	10414.6	10711.4
52.5°	10775.4	10798.7	10746.3	10812.2	11254.5	11281.7	12261.3	12092.5	11196.3	11590.1
55°	11079.9	11126.5	11289.4	11440.7	12108.0	12135.2	13260.2	13002.2	11844.2	12404.8
57.5°	11471.8	11405.8	11710.4	12005.2	12918.8	12990.6	14232.1	13879.0	12418.4	13107.0
60°	12034.3	11987.7	12224.4	12660.8	13826.6	13941.1	15260.1	14668.5	12839.3	13663.7
62.5°	13174.9	13058.5	13095.3	13481.4	14971.1	15122.4	16420.1	15357.1	13048.8	13881.0
65°	14879.9	14680.1	14493.9	14761.6	16583.0	16732.4	17729.4	15898.3	12971.2	13460.0
67.5°	17027.3	16829.4	16600.5	16852.7	18957.3	19075.6	19345.3	16202.9	12360.2	11838.4
70°	18798.3	18724.5	18998.1	20035.8	22749.6	22753.4	21416.9	15950.7	10686.2	8393.4
72.5°	18563.5	18518.9	19960.2	23168.5	27529.1	27426.3	23378.0	14042.0	7198.5	3786.4
75°	15229.1	15518.1	17750.8	23112.3	29245.8	29232.2	22177.3	8926.8	2977.5	1569.3
77.5°	8166.4	8624.2	11524.1	17064.1	22831.0	23174.4	15591.8	3123.0	1278.3	1004.8
80°	2663.3	3062.9	4593.4	8688.2	14835.3	14771.3	6682.5	1225.9	874.8	711.9
82.5°	1130.9	1177.4	2052.3	4102.6	7613.6	7495.2	2127.9	704.1	614.9	486.9
85°	442.3	494.6	905.9	1897.1	3297.6	3225.8	768.1	349.2	393.8	318.1
87.5°	145.5	176.5	323.9	649.8	1026.1	989.3	188.2	120.3	170.7	145.5
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°
4781.5	0°	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5	4781.5
4795.1	2.5°	4822.3	4853.3	4890.1	4944.5	4991.0	5029.8	5070.5	5095.8	5105.5	5134.6
4802.9	5°	4857.2	4925.1	5016.2	5105.5	5192.7	5245.1	5291.7	5315.0	5336.3	5351.8
4824.2	7.5°	4915.4	5002.7	5146.2	5262.6	5336.3	5379.0	5410.0	5402.2	5410.0	5413.9
4847.5	10°	4965.8	5088.0	5258.7	5369.3	5425.5	5427.5	5419.7	5392.5	5379.0	5380.9
4882.4	12.5°	5025.9	5161.7	5346.0	5439.1	5454.6	5411.9	5379.0	5332.4	5315.0	5307.2
4934.8	15°	5107.4	5262.6	5441.0	5476.0	5437.2	5382.8	5326.6	5250.9	5212.1	5181.1
5024.0	17.5°	5206.3	5377.0	5514.8	5489.5	5406.1	5316.9	5225.7	5111.3	5031.7	4998.8
5146.2	20°	5344.1	5497.3	5571.0	5460.4	5334.4	5198.6	5043.4	4903.7	4830.0	4797.0
5301.4	22.5°	5510.9	5658.3	5625.3	5410.0	5231.5	5014.3	4820.3	4717.5	4680.7	4657.4
5501.2	25°	5710.7	5836.8	5664.1	5336.3	5062.8	4769.9	4620.5	4587.5	4570.1	4552.6
5745.6	27.5°	5970.6	6038.5	5693.2	5227.7	4799.0	4510.0	4455.6	4461.5	4455.6	4426.5
6085.0	30°	6313.9	6300.4	5720.4	5051.1	4496.4	4275.2	4279.1	4304.3	4308.2	4288.8
6558.3	32.5°	6765.9	6628.2	5733.9	4822.3	4207.3	4069.6	4073.5	4100.7	4120.1	4087.1
7177.1	35°	7312.9	7010.3	5712.6	4535.2	3984.3	3873.7	3844.6	3852.4	3858.2	3827.2
7927.8	37.5°	7951.1	7439.0	5617.6	4217.0	3800.0	3681.7	3619.6	3567.2	3536.2	3507.1
8777.4	40°	8651.3	7906.5	5443.0	3906.7	3594.4	3478.0	3384.9	3286.0	3181.2	3142.4
9677.5	42.5°	9384.6	8387.5	5231.5	3609.9	3357.7	3262.7	3163.8	3020.2	2863.1	2783.6
10612.5	45°	10145.0	8880.2	5024.0	3317.0	3115.3	3074.5	2960.1	2787.4	2616.7	2515.9
11549.4	47.5°	10889.8	9345.8	4719.4	3022.2	2888.3	2932.9	2843.7	2684.6	2494.5	2335.5
12478.5	50°	11601.7	9782.2	4220.9	2723.4	2704.0	2890.2	2804.9	2576.0	2358.8	2155.1
13390.2	52.5°	12307.8	10135.3	3582.7	2451.9	2605.1	2878.6	2754.5	2502.3	2236.5	2023.2
14247.6	55°	12907.2	10317.6	2967.8	2219.1	2461.6	2779.7	2694.3	2415.0	2063.9	1837.0
14835.3	57.5°	13248.6	10170.2	2455.7	1990.2	2263.7	2616.7	2591.5	2228.8	1858.3	1683.7
14949.8	60°	13101.2	9572.7	2036.8	1790.4	2075.5	2440.2	2413.1	2044.5	1701.2	1536.3
14336.8	62.5°	12288.4	8434.1	1705.1	1615.8	1904.8	2259.8	2234.6	1902.9	1580.9	1421.8
12709.3	65°	10651.2	6860.9	1447.1	1470.3	1732.2	2042.6	2079.4	1784.6	1485.9	1330.7
9832.7	67.5°	8123.7	4969.7	1245.3	1344.3	1563.5	1829.2	1935.9	1699.2	1406.3	1258.9
5689.3	70°	4630.2	2822.4	1074.6	1222.1	1414.1	1631.3	1825.3	1631.3	1321.0	1198.8
2131.8	72.5°	1755.5	1295.8	929.1	1099.8	1270.5	1464.5	1703.1	1524.7	1222.1	1130.9
1101.8	75°	936.9	789.5	781.7	956.3	1105.7	1301.6	1549.9	1419.9	1148.3	1194.9
762.3	77.5°	638.2	558.7	653.7	818.6	925.3	1121.2	1386.9	1260.8	995.1	991.2
527.6	80°	442.3	395.7	531.5	659.5	715.8	942.7	1210.4	1082.4	810.8	756.5
325.9	82.5°	265.7	258.0	397.7	492.7	506.3	727.4	1002.9	907.8	663.4	578.0
194.0	85°	145.5	153.2	254.1	289.0	294.8	508.2	785.6	702.2	510.2	428.7
69.8	87.5°	40.7	52.4	93.1	114.4	141.6	263.8	467.5	417.0	256.0	178.5
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°
4781.5
5132.6
5355.7
5419.7
5384.8
5303.3
5190.8
5000.7
4793.2
4661.3
4552.6
4432.4
4298.5
4102.6
3848.5
3526.5
3159.9
2793.3
2508.1
2318.0
2137.6
1999.9
1817.6
1660.4
1513.0
1396.6
1305.5
1235.6
1183.3
1115.4
1233.7
913.6
723.5
581.9
432.6
178.5
0.0

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