

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: P942962

Luminaire Tested: **GLAN-SB7B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32793 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 256.7
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



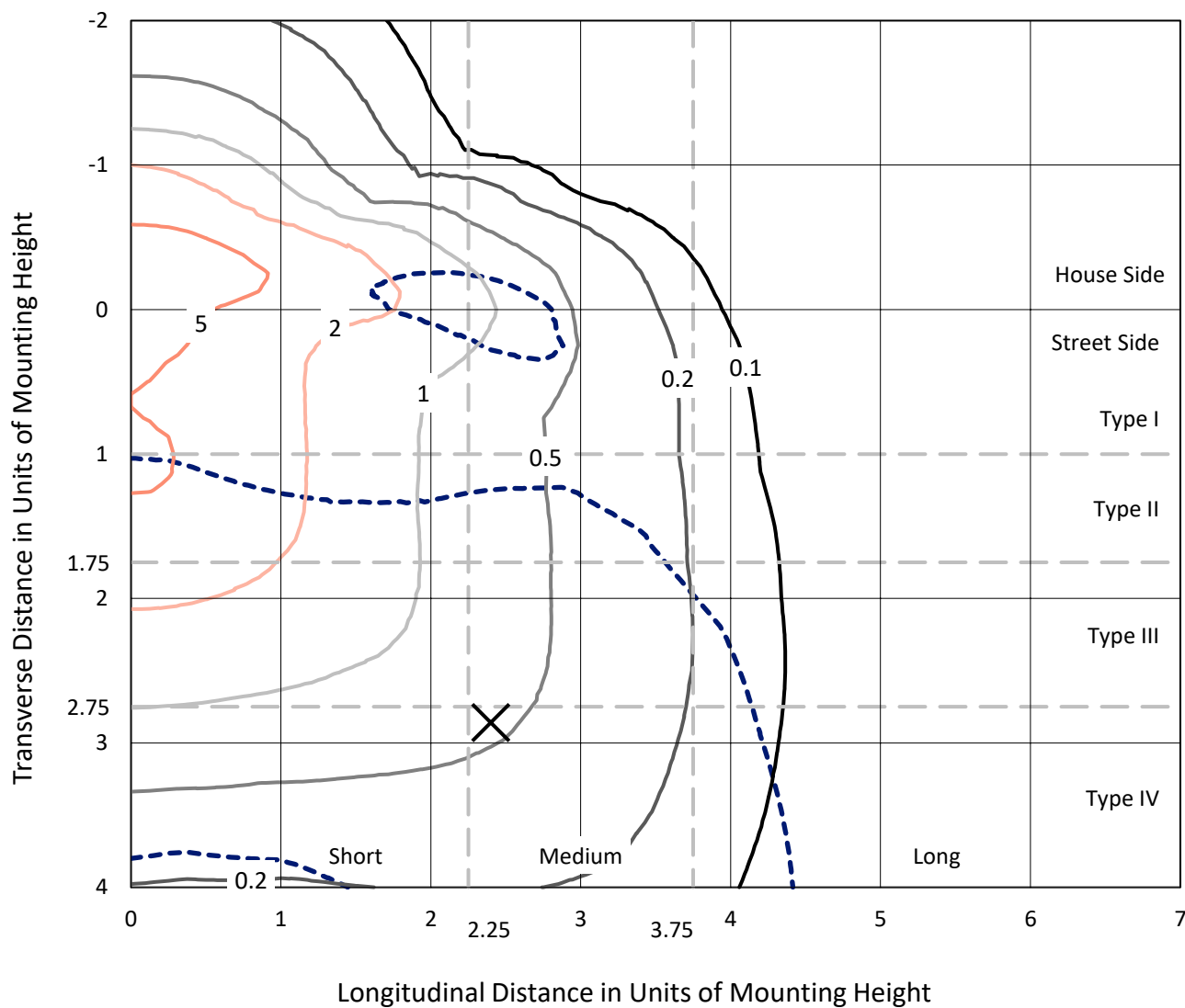
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

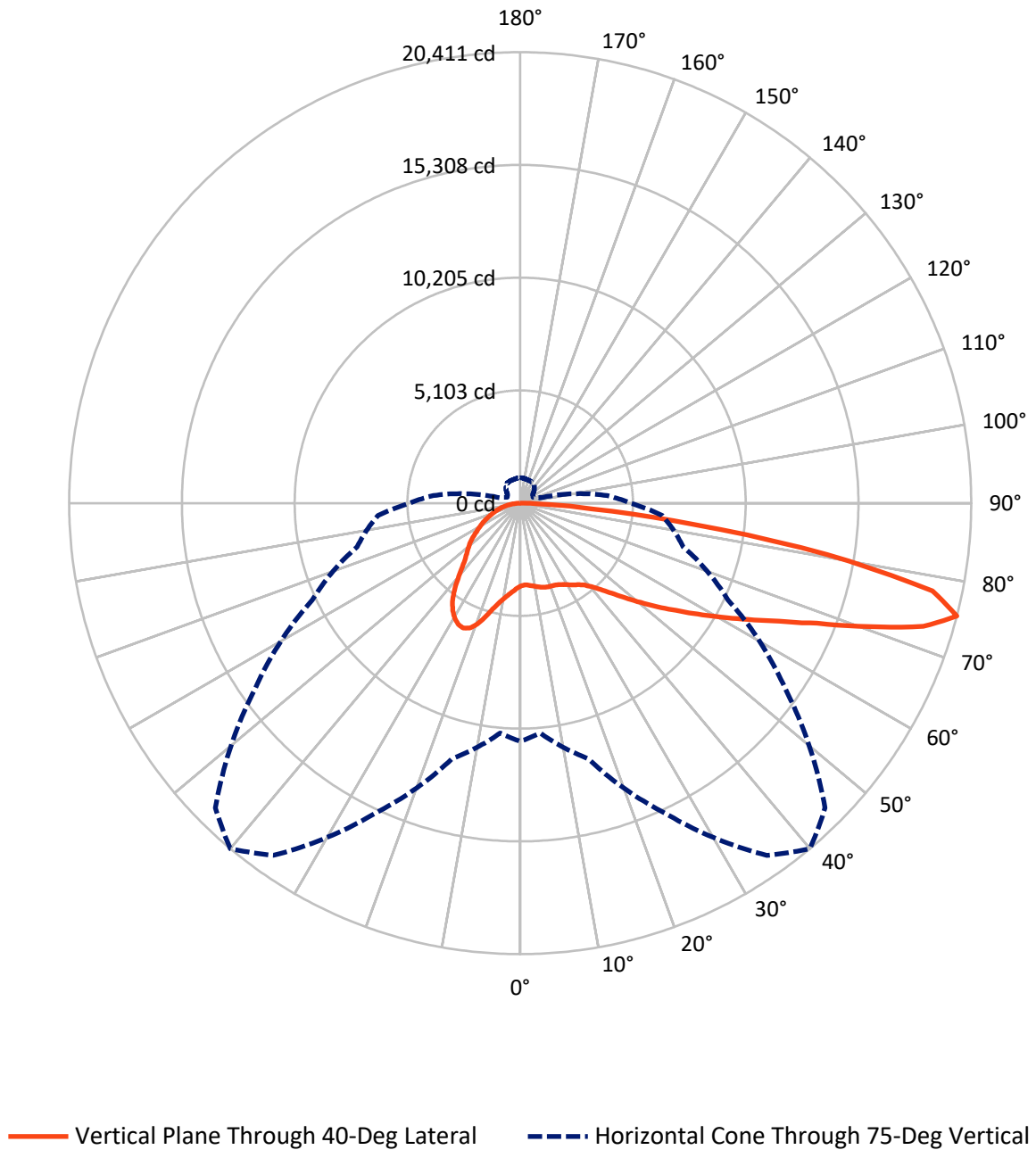


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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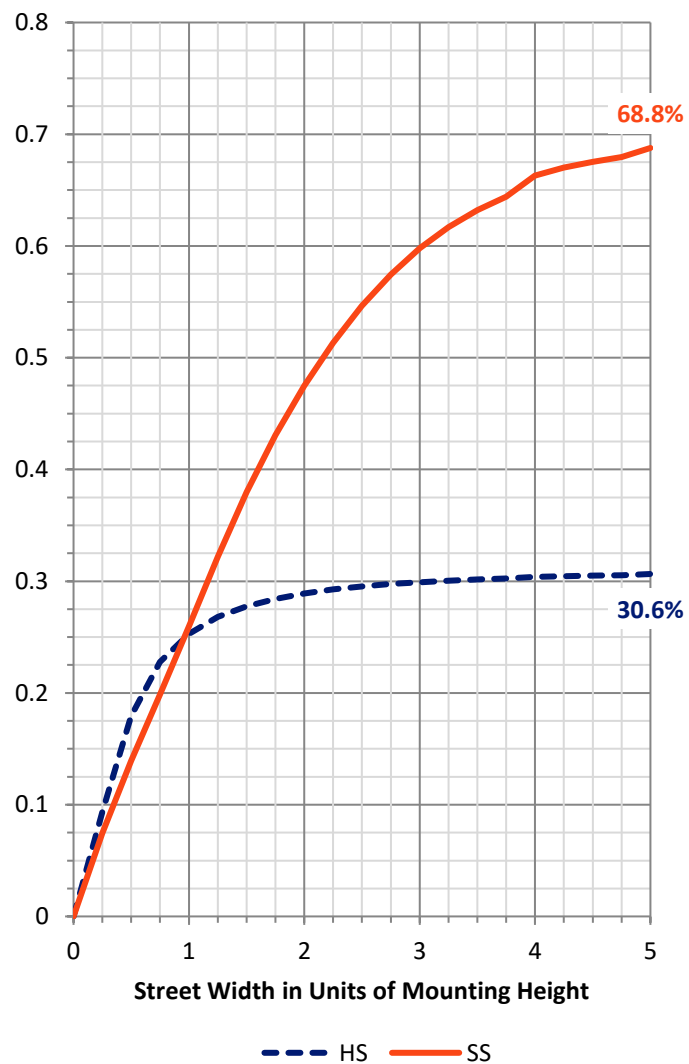
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10160.4	0.0	10160.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22632.6	0.0	22632.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	32793.0	0.0	32793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.3	1.1
10°-20°	1256.7	3.8
20°-30°	2294.7	7.0
30°-40°	3254.5	9.9
40°-50°	4394.6	13.4
50°-60°	5911.9	18.0
60°-70°	7503.6	22.9
70°-80°	6810.0	20.8
80°-90°	992.7	3.0
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°	32793.0	100.0
0°-180°	32793.0	100.0

Coefficient of Utilization



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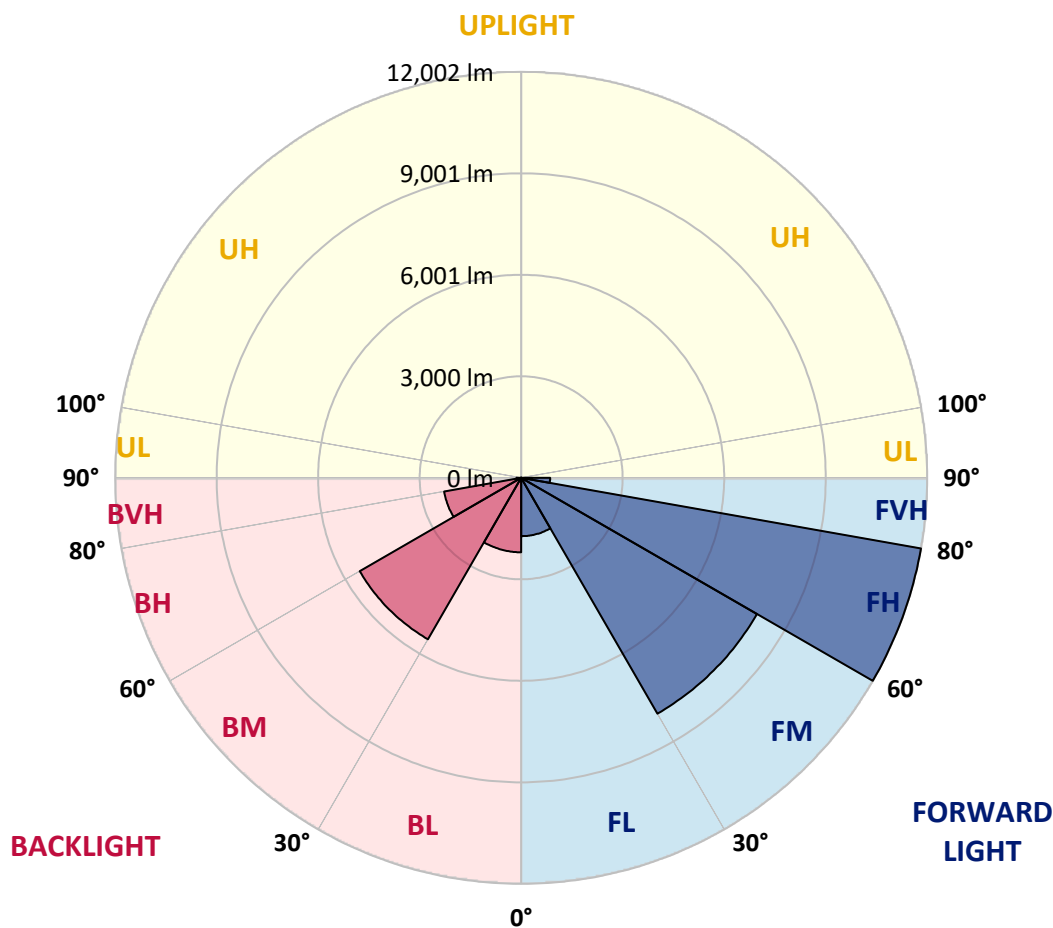
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1724.9	5.3			
FM	(30°-60°)	8049.9	24.5			
FH	(60°-80°)	12001.7	36.6			G5
FVH	(80°-90°)	856.0	2.6			G5
BL	(0°-30°)	2200.8	6.7	B3/2500		
BM	(30°-60°)	5511.1	16.8	B4/8500		
BH	(60°-80°)	2311.8	7.0	B3/2500		G3/2500
BVH	(80°-90°)	136.7	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9
2.5°	3692.5	3713.4	3708.2	3701.2	3701.2	3703.0	3701.2	3713.4	3725.6	3737.7
5°	3730.8	3751.7	3741.2	3732.5	3725.6	3723.8	3718.6	3716.9	3723.8	3739.5
7.5°	3805.6	3826.5	3810.8	3795.1	3781.2	3774.3	3767.3	3756.9	3751.7	3760.4
10°	3889.1	3909.9	3890.8	3863.0	3840.4	3831.7	3824.7	3814.3	3807.3	3812.5
12.5°	3972.6	3993.4	3967.3	3929.1	3899.5	3894.3	3885.6	3882.1	3880.4	3878.6
15°	4050.8	4068.2	4035.2	3989.9	3958.6	3949.9	3941.2	3946.5	3955.2	3965.6
17.5°	4111.7	4129.1	4080.4	4021.3	3991.7	3988.2	3983.0	4000.4	4024.7	4050.8
20°	4167.4	4184.7	4122.1	4042.1	4007.3	4007.3	4009.1	4045.6	4080.4	4118.7
22.5°	4245.6	4259.5	4183.0	4073.4	4023.0	4026.5	4040.4	4076.9	4120.4	4172.6
25°	4362.2	4372.6	4278.7	4132.6	4075.2	4085.6	4097.8	4115.2	4156.9	4217.8
27.5°	4550.0	4558.7	4435.2	4236.9	4150.0	4167.4	4184.7	4172.6	4191.7	4243.9
30°	4814.4	4819.6	4663.1	4400.4	4276.9	4285.6	4289.1	4238.7	4202.1	4243.9
32.5°	5127.4	5125.7	4939.6	4598.7	4421.3	4412.6	4383.0	4283.9	4198.7	4235.2
35°	5612.7	5593.6	5353.6	4877.0	4584.8	4530.9	4461.3	4334.3	4216.1	4226.5
37.5°	6416.3	6357.1	6024.9	5332.7	4828.3	4690.9	4588.3	4416.1	4254.3	4223.0
40°	7322.4	7247.6	6882.4	5957.1	5193.5	4972.6	4807.4	4532.6	4316.9	4238.7
42.5°	8397.3	8291.2	7898.1	6692.8	5656.2	5336.2	5087.4	4680.4	4409.1	4289.1
45°	9717.4	9576.6	9020.0	7522.5	6238.9	5812.7	5480.5	4904.8	4550.0	4386.5
47.5°	11051.5	11086.3	10294.9	8472.1	6938.1	6400.6	5972.7	5242.2	4755.2	4543.0
50°	12469.0	12493.4	11562.8	9524.4	7731.2	7065.0	6525.8	5619.7	5040.5	4765.7
52.5°	13575.2	13578.7	12714.3	10625.4	8557.3	7795.5	7122.4	6051.0	5370.9	5061.4
55°	14267.4	14258.8	13521.3	11667.2	9507.0	8562.6	7783.4	6541.5	5774.5	5409.2
57.5°	14770.1	14744.0	14077.9	12562.9	10519.3	9468.7	8531.2	7098.1	6251.0	5823.2
60°	14961.4	14945.8	14455.3	13336.9	11583.7	10470.6	9393.9	7720.7	6792.0	6311.9
62.5°	15034.5	15064.0	14825.8	14086.6	12723.0	11580.2	10341.9	8465.2	7400.7	6865.0
65°	15291.9	15345.8	15297.1	15067.5	14010.0	12879.5	11599.4	9350.5	8065.1	7458.1
67.5°	15801.5	15855.4	15876.3	16241.6	15582.4	14498.8	13168.2	10453.2	8842.6	8073.8
70°	15789.3	15773.7	16142.4	17175.6	17551.2	16740.7	15283.2	11809.8	9769.6	8585.2
72.5°	14371.8	14246.6	15118.0	17165.1	19189.7	19081.8	17866.1	13559.6	10569.7	8647.8
75°	10781.9	10448.0	11987.2	15469.3	19462.7	20410.6	19507.9	14644.9	10380.1	7640.7
77.5°	4610.9	4275.2	6089.3	11451.5	17419.1	19080.1	18001.7	12776.9	8286.0	5052.7
80°	1207.1	1205.3	1840.2	5191.8	11846.3	14090.0	12361.2	8251.2	4734.4	1805.4
82.5°	499.2	487.0	676.6	2019.3	5788.4	7906.8	6452.8	3680.4	1709.7	488.7
85°	186.1	184.4	328.7	697.5	2041.9	3261.2	2360.2	941.0	426.1	238.3
87.5°	52.2	50.4	71.3	241.8	497.4	754.9	403.5	154.8	120.0	93.9
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°
3749.9	0°	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9	3749.9
3756.9	2.5°	3762.1	3770.8	3786.4	3798.6	3814.3	3831.7	3856.0	3871.7	3887.3	3897.8
3765.6	5°	3777.8	3796.9	3836.9	3876.9	3923.9	3967.3	4017.8	4054.3	4083.9	4092.6
3796.9	7.5°	3812.5	3843.8	3911.7	3979.5	4054.3	4125.6	4198.7	4261.3	4311.7	4330.8
3852.5	10°	3873.4	3915.2	4010.8	4106.5	4205.6	4315.2	4409.1	4499.6	4570.9	4600.4
3918.6	12.5°	3949.9	4002.1	4127.4	4259.5	4396.9	4548.3	4670.0	4781.3	4870.0	4910.0
4010.8	15°	4049.1	4116.9	4276.9	4454.3	4656.1	4866.6	5021.3	5144.8	5244.0	5292.7
4106.5	17.5°	4156.9	4247.4	4449.1	4717.0	5005.7	5282.2	5463.1	5553.6	5656.2	5703.2
4195.2	20°	4261.3	4372.6	4661.3	5050.9	5435.3	5729.2	5875.3	5899.7	5906.7	5911.9
4278.7	22.5°	4369.1	4518.7	4927.4	5471.8	5884.0	6087.5	6108.4	6004.1	5858.0	5790.1
4360.4	25°	4487.4	4685.7	5275.3	5936.2	6270.2	6294.5	6134.5	5880.6	5604.0	5477.0
4426.5	27.5°	4602.2	4878.7	5692.7	6379.7	6548.5	6334.5	5990.1	5630.1	5296.2	5162.2
4473.5	30°	4717.0	5099.6	6153.6	6767.6	6675.4	6235.4	5762.3	5360.5	5024.8	4883.9
4515.2	32.5°	4833.5	5357.0	6684.1	7047.6	6652.8	6024.9	5478.8	5057.9	4762.2	4614.4
4551.7	35°	4965.7	5673.6	7186.8	7200.7	6501.5	5715.3	5104.8	4696.1	4438.7	4320.4
4595.2	37.5°	5137.9	6075.4	7630.3	7239.0	6237.1	5261.4	4640.4	4268.2	4056.0	4002.1
4659.6	40°	5351.8	6558.9	7969.5	7178.1	5845.8	4710.0	4132.6	3835.1	3715.1	3727.3
4746.5	42.5°	5630.1	7099.8	8207.7	7021.5	5301.4	4141.3	3687.3	3555.1	3612.5	3661.2
4877.0	45°	5991.9	7661.6	8355.6	6755.4	4685.7	3659.5	3424.7	3456.0	3499.5	3504.7
5087.4	47.5°	6454.5	8230.4	8453.0	6353.7	4057.8	3320.3	3257.7	3264.7	3256.0	3219.4
5402.3	50°	7032.0	8783.4	8539.9	5821.4	3523.8	3108.1	3024.6	3000.3	2880.3	2762.0
5821.4	52.5°	7689.4	9291.3	8576.5	5160.5	3108.1	2930.7	2795.0	2642.0	2417.6	2381.1
6348.4	55°	8419.9	9760.9	8482.5	4348.2	2758.5	2702.9	2497.6	2313.3	2288.9	2257.6
7042.4	57.5°	9293.1	10267.1	8291.2	3442.1	2400.2	2436.8	2236.7	2257.6	2214.1	2165.4
7934.7	60°	10247.9	10790.6	7955.5	2615.9	2029.8	2104.5	2168.9	2167.2	2155.0	2115.0
8875.6	62.5°	11107.1	11135.0	7294.6	2003.7	1704.5	1847.1	2022.8	2021.1	2010.6	1988.0
9858.3	65°	11618.5	11082.8	6191.9	1577.5	1436.7	1634.9	1824.5	1838.4	1840.2	1838.4
10597.5	67.5°	11528.1	10472.3	4678.7	1255.8	1215.8	1419.3	1628.0	1647.1	1661.0	1664.5
10691.5	70°	10505.4	9131.3	3050.7	1001.8	1019.2	1229.7	1441.9	1461.0	1473.2	1487.1
9277.4	72.5°	8188.6	6713.7	1746.3	810.5	847.0	1066.2	1257.5	1280.1	1287.1	1313.2
6456.3	75°	4990.0	3948.2	942.7	638.3	695.7	911.4	1074.9	1101.0	1113.1	1144.5
3170.7	77.5°	2372.4	1709.7	537.4	497.4	560.1	744.4	907.9	937.5	904.4	921.8
874.9	80°	801.8	634.8	339.2	379.2	427.9	580.9	727.0	756.6	687.0	683.5
290.5	82.5°	280.0	257.4	215.7	252.2	276.5	415.7	549.6	587.9	511.4	509.6
130.4	85°	109.6	104.4	120.0	137.4	165.2	255.7	361.8	380.9	314.8	253.9
38.3	87.5°	22.6	24.4	29.6	31.3	50.4	88.7	130.4	160.0	127.0	107.8
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°
3749.9
3890.8
4096.0
4332.6
4602.2
4910.0
5289.2
5701.4
5925.8
5809.3
5496.2
5177.9
4899.6
4633.5
4346.5
4040.4
3769.1
3706.4
3539.5
3247.3
2777.7
2393.3
2262.8
2156.7
2101.1
1979.3
1838.4
1668.0
1494.1
1323.6
1147.9
907.9
676.6
485.3
250.5
99.1
0.0

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