

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: P853157

Luminaire Tested: **GLAN-SB9A-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853157
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-SB9A-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35913 lumens
Efficiency: N/A
Efficacy: 140.6 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

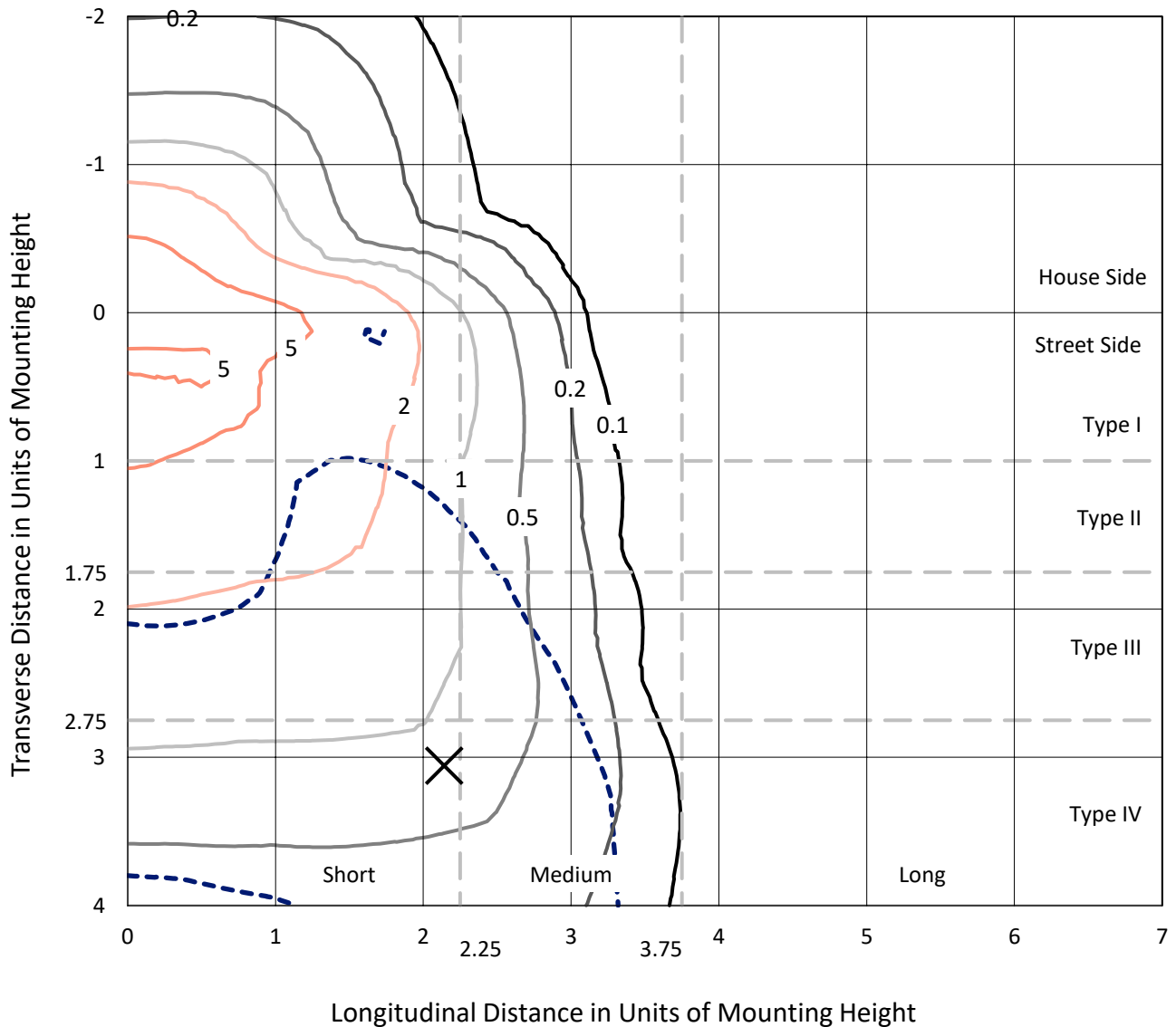
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

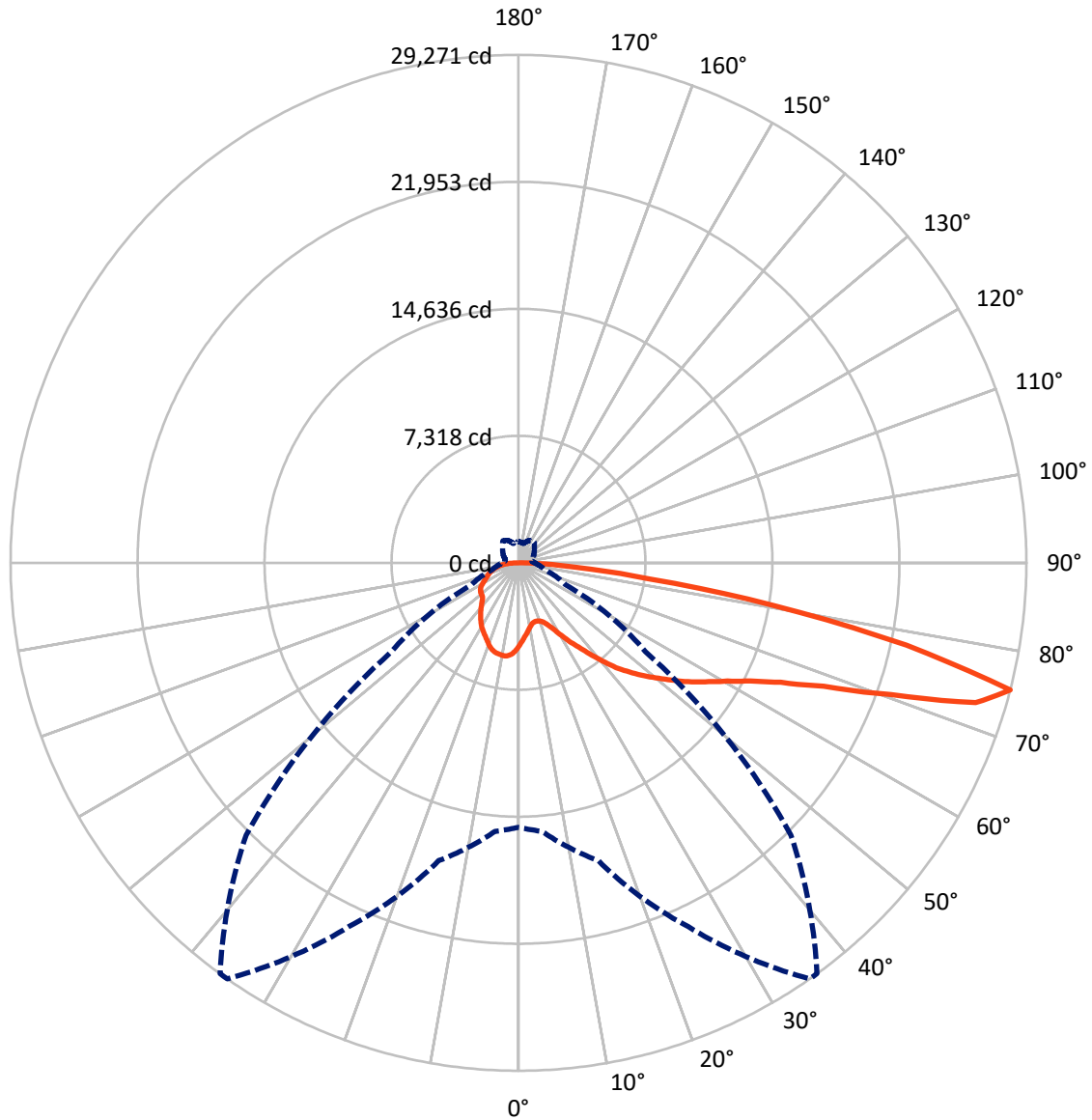
× Max cd
 - - - 1/2 Max cd



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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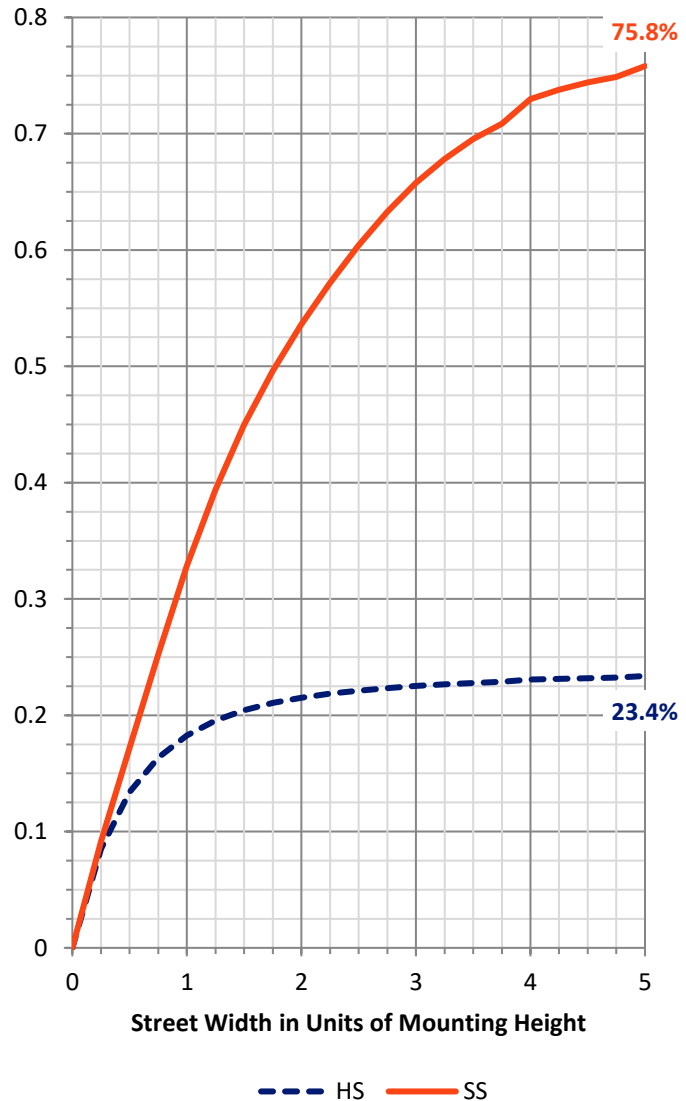
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8546.4	0.0	8546.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	27366.6	0.0	27366.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	35913.0	0.0	35913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.1	1.3
10°-20°	1307.0	3.6
20°-30°	2194.7	6.1
30°-40°	3410.9	9.5
40°-50°	5062.7	14.1
50°-60°	6989.3	19.5
60°-70°	8479.6	23.6
70°-80°	7007.8	19.5
80°-90°	1007.9	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°	35913.0	100.0
0°-180°	35913.0	100.0

Coefficient of Utilization

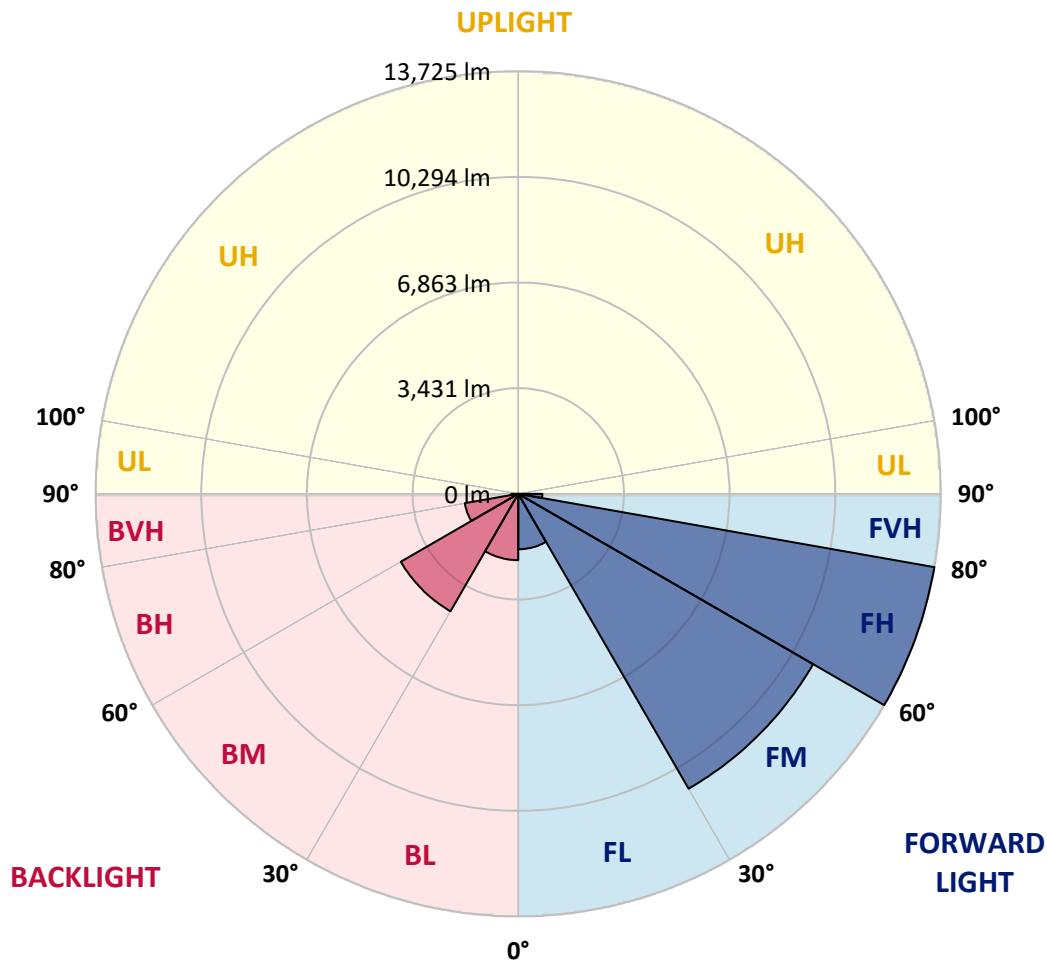


REPORT NUMBER: P853157
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.0	5.0			
FM (30°-60°)	11059.3	30.8			
FH (60°-80°)	13725.4	38.2			G5
FVH (80°-90°)	781.0	2.2			G5
BL (0°-30°)	2153.8	6.0	B3/2500		
BM (30°-60°)	4403.6	12.3	B3/5000		
BH (60°-80°)	1762.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	227.0	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°	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7
2.5°	4412.9	4440.1	4451.7	4445.9	4475.0	4471.1	4511.9	4562.4	4632.3	4700.2
5°	4073.1	4102.3	4127.5	4150.8	4207.1	4224.6	4288.6	4385.7	4513.8	4643.9
7.5°	3756.7	3781.9	3820.8	3863.5	3958.6	3976.1	4082.8	4234.3	4412.9	4603.2
10°	3498.5	3523.7	3564.5	3613.0	3731.4	3752.8	3888.7	4090.6	4323.6	4564.3
12.5°	3387.8	3395.6	3418.9	3467.4	3570.3	3583.9	3733.4	3964.4	4236.2	4535.2
15°	3382.0	3397.5	3399.5	3424.7	3510.1	3515.9	3653.8	3882.9	4181.9	4529.4
17.5°	3440.2	3451.9	3434.4	3449.9	3521.8	3531.5	3640.2	3844.1	4164.4	4554.6
20°	3595.5	3605.3	3552.8	3531.5	3583.9	3591.7	3698.4	3869.3	4181.9	4607.0
22.5°	3925.6	3931.4	3803.3	3715.9	3719.8	3723.7	3816.9	3972.2	4249.8	4702.2
25°	4440.1	4436.2	4232.3	4063.4	3966.4	3945.0	4007.1	4139.2	4364.4	4828.4
27.5°	5041.9	5012.8	4808.9	4556.6	4344.9	4313.9	4300.3	4356.6	4527.4	4995.3
30°	5721.4	5694.2	5474.9	5144.8	4851.7	4801.2	4673.0	4643.9	4770.1	5222.5
32.5°	6466.9	6449.5	6187.4	5787.4	5395.3	5337.0	5121.5	5043.9	5142.9	5566.1
35°	7092.1	7076.5	6859.1	6447.5	5968.0	5896.2	5676.8	5589.4	5639.9	6006.8
37.5°	7657.0	7649.3	7462.9	7138.7	6643.6	6556.2	6309.7	6280.6	6270.9	6587.3
40°	8181.2	8161.8	7967.7	7796.8	7429.9	7350.3	7132.9	7107.6	7033.8	7301.8
42.5°	8761.7	8711.2	8429.7	8350.1	8251.1	8185.1	8055.0	8058.9	7895.8	8107.5
45°	9235.4	9206.3	8917.0	8870.4	8977.2	8950.0	9062.6	9091.8	8775.3	8952.0
47.5°	9744.1	9716.9	9472.3	9439.3	9728.6	9736.3	10134.3	10144.0	9633.4	9829.5
50°	10371.2	10332.3	10089.7	10130.4	10454.7	10483.8	11211.8	11145.8	10423.6	10720.6
52.5°	10784.7	10808.0	10755.6	10821.6	11264.2	11291.4	12271.8	12102.9	11206.0	11600.1
55°	11089.5	11136.1	11299.2	11450.6	12118.5	12145.7	13271.7	13013.5	11854.4	12415.5
57.5°	11481.7	11415.7	11720.5	12015.6	12930.0	13001.8	14244.3	13891.0	12429.1	13118.3
60°	12044.7	11998.1	12235.0	12671.8	13838.6	13953.1	15273.3	14681.2	12850.4	13675.5
62.5°	13186.3	13069.8	13106.7	13493.0	14984.0	15135.5	16434.3	15370.4	13060.1	13892.9
65°	14892.8	14692.8	14506.4	14774.4	16597.4	16746.9	17744.8	15912.0	12982.4	13471.7
67.5°	17042.0	16843.9	16614.8	16867.2	18973.7	19092.1	19362.0	16216.9	12370.9	11848.6
70°	18814.5	18740.7	19014.5	20053.1	22769.2	22773.1	21435.4	15964.5	10695.4	8400.6
72.5°	18579.6	18534.9	19977.4	23188.6	27552.9	27450.0	23398.2	14054.1	7204.7	3789.7
75°	15242.2	15531.5	17766.1	23132.3	29271.1	29257.5	22196.5	8934.5	2980.1	1570.6
77.5°	8173.5	8631.6	11534.1	17078.8	22850.8	23194.4	15605.3	3125.7	1279.4	1005.7
80°	2665.6	3065.5	4597.3	8695.7	14848.1	14784.1	6688.3	1227.0	875.6	712.5
82.5°	1131.9	1178.5	2054.0	4106.1	7620.2	7501.7	2129.8	704.7	615.4	487.3
85°	442.6	495.1	906.7	1898.7	3300.4	3228.6	768.8	349.5	394.1	318.4
87.5°	145.6	176.7	324.2	650.4	1027.0	990.1	188.3	120.4	170.8	145.6
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°
4785.7	0°	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7
4799.2	2.5°	4826.4	4857.5	4894.4	4948.7	4995.3	5034.2	5074.9	5100.2	5109.9	5139.0
4807.0	5°	4861.4	4929.3	5020.6	5109.9	5197.2	5249.7	5296.2	5319.5	5340.9	5356.4
4828.4	7.5°	4919.6	5007.0	5150.6	5267.1	5340.9	5383.6	5414.7	5406.9	5414.7	5418.6
4851.7	10°	4970.1	5092.4	5263.2	5373.9	5430.2	5432.1	5424.4	5397.2	5383.6	5385.6
4886.6	12.5°	5030.3	5166.2	5350.6	5443.8	5459.3	5416.6	5383.6	5337.0	5319.5	5311.8
4939.0	15°	5111.8	5267.1	5445.7	5480.7	5441.9	5387.5	5331.2	5255.5	5216.6	5185.6
5028.3	17.5°	5210.8	5381.7	5519.5	5494.3	5410.8	5321.5	5230.2	5115.7	5036.1	5003.1
5150.6	20°	5348.7	5502.0	5575.8	5465.2	5339.0	5203.1	5047.7	4908.0	4834.2	4801.2
5306.0	22.5°	5515.6	5663.2	5630.2	5414.7	5236.1	5018.6	4824.5	4721.6	4684.7	4661.4
5505.9	25°	5715.6	5841.8	5669.0	5340.9	5067.2	4774.0	4624.5	4591.5	4574.0	4556.6
5750.5	27.5°	5975.8	6043.7	5698.1	5232.2	4803.1	4513.8	4459.5	4465.3	4459.5	4430.4
6090.3	30°	6319.4	6305.8	5725.3	5055.5	4500.3	4278.9	4282.8	4308.1	4311.9	4292.5
6564.0	32.5°	6771.7	6633.9	5738.9	4826.4	4211.0	4073.1	4077.0	4104.2	4123.6	4090.6
7183.3	35°	7319.2	7016.4	5717.5	4539.1	3987.7	3877.1	3847.9	3855.7	3861.5	3830.5
7934.7	37.5°	7958.0	7445.4	5622.4	4220.7	3803.3	3684.9	3622.7	3570.3	3539.2	3510.1
8785.0	40°	8658.8	7913.3	5447.7	3910.1	3597.5	3481.0	3387.8	3288.8	3184.0	3145.1
9685.8	42.5°	9392.7	8394.8	5236.1	3613.0	3360.6	3265.5	3166.5	3022.8	2865.6	2786.0
10621.6	45°	10153.7	8887.9	5028.3	3319.9	3118.0	3077.2	2962.6	2789.8	2619.0	2518.0
11559.3	47.5°	10899.2	9353.9	4723.5	3024.8	2890.8	2935.5	2846.2	2687.0	2496.7	2337.5
12489.3	50°	11611.8	9790.7	4224.6	2725.8	2706.4	2892.7	2807.3	2578.2	2360.8	2156.9
13401.8	52.5°	12318.4	10144.0	3585.8	2454.0	2607.4	2881.1	2756.8	2504.5	2238.5	2024.9
14259.9	55°	12918.3	10326.5	2970.4	2221.0	2463.7	2782.1	2696.7	2417.1	2065.7	1838.5
14848.1	57.5°	13260.0	10179.0	2457.9	1991.9	2265.7	2619.0	2593.8	2230.7	1859.9	1685.2
14962.7	60°	13112.5	9581.0	2038.5	1791.9	2077.3	2442.3	2415.2	2046.3	1702.6	1537.6
14349.2	62.5°	12299.0	8441.4	1706.5	1617.2	1906.5	2261.8	2236.5	1904.6	1582.3	1423.1
12720.3	65°	10660.4	6866.9	1448.3	1471.6	1733.7	2044.3	2081.2	1786.1	1487.1	1331.8
9841.2	67.5°	8130.8	4974.0	1246.4	1345.4	1564.8	1830.8	1937.6	1700.7	1407.5	1260.0
5694.2	70°	4634.2	2824.8	1075.6	1223.1	1415.3	1632.8	1826.9	1632.8	1322.1	1199.8
2133.6	72.5°	1757.0	1296.9	929.9	1100.8	1271.6	1465.8	1704.6	1526.0	1223.1	1131.9
1102.7	75°	937.7	790.2	782.4	957.1	1106.6	1302.7	1551.2	1421.1	1149.3	1195.9
763.0	77.5°	638.7	559.1	654.3	819.3	926.1	1122.2	1388.1	1261.9	996.0	992.1
528.1	80°	442.6	396.1	532.0	660.1	716.4	943.5	1211.5	1083.3	811.5	757.2
326.2	82.5°	266.0	258.2	398.0	493.1	506.7	728.0	1003.7	908.6	664.0	578.5
194.1	85°	145.6	153.4	254.3	289.3	295.1	508.7	786.3	702.8	510.6	429.1
69.9	87.5°	40.8	52.4	93.2	114.5	141.7	264.0	467.9	417.4	256.3	178.6
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°
4785.7
5137.1
5360.3
5424.4
5389.4
5307.9
5195.3
5005.0
4797.3
4665.3
4556.6
4436.2
4302.2
4106.1
3851.8
3529.5
3162.6
2795.7
2510.3
2320.0
2139.5
2001.6
1819.1
1661.9
1514.3
1397.8
1306.6
1236.7
1184.3
1116.3
1234.8
914.4
724.2
582.4
432.9
178.6
0.0

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