

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: P850966

Luminaire Tested: **GLAN-SB8D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850966
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-SB8D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 63756 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

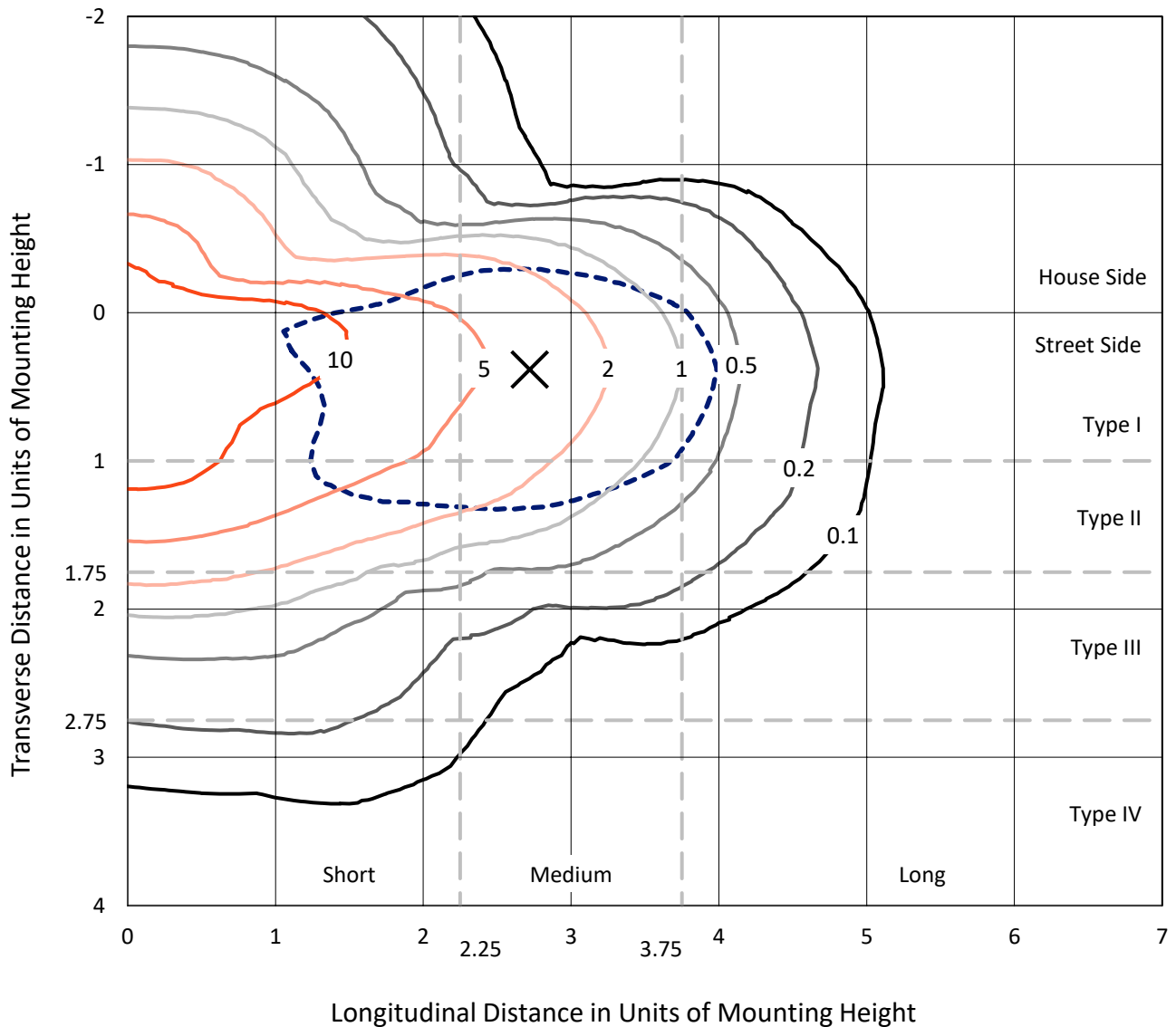
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

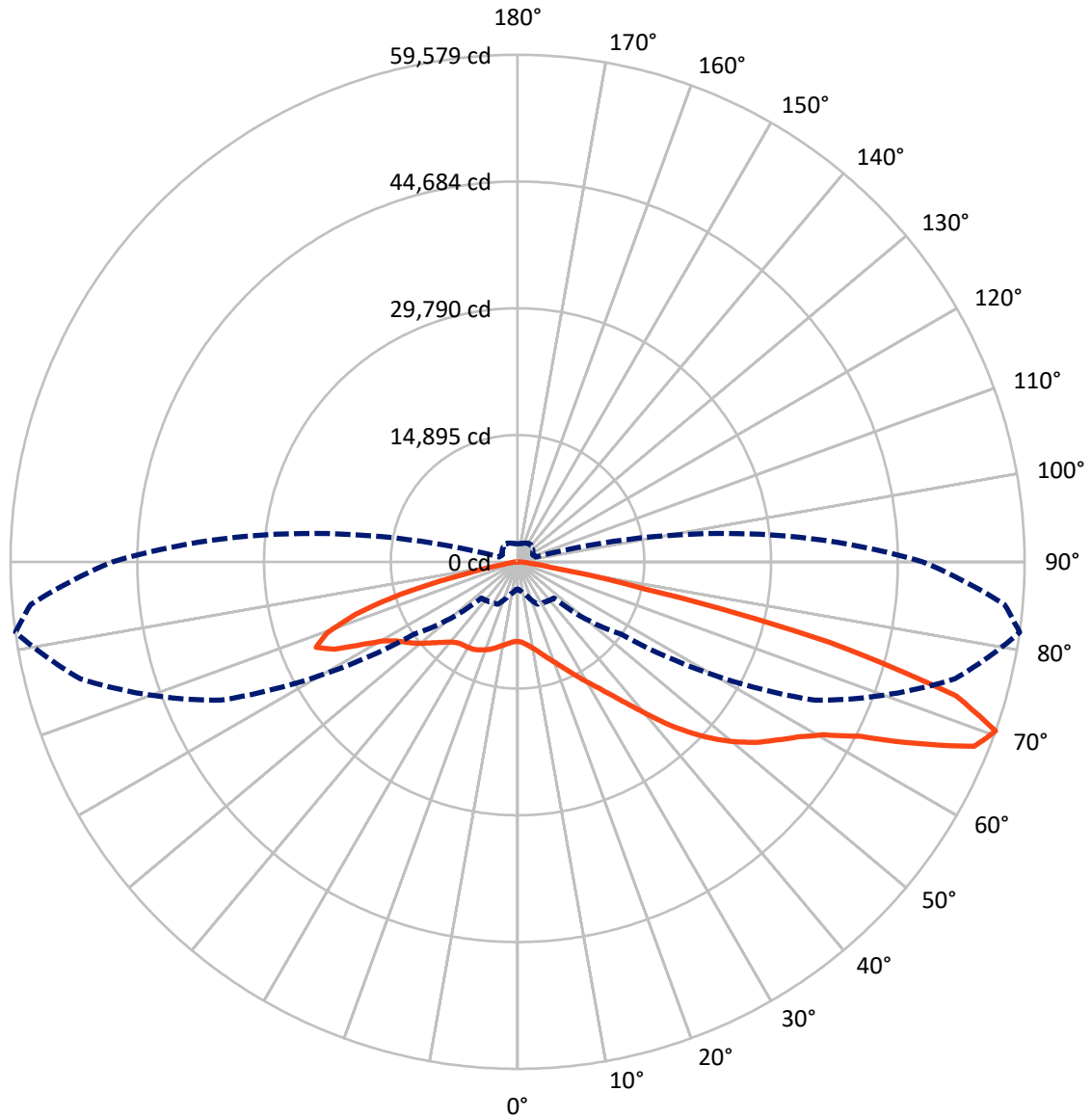
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 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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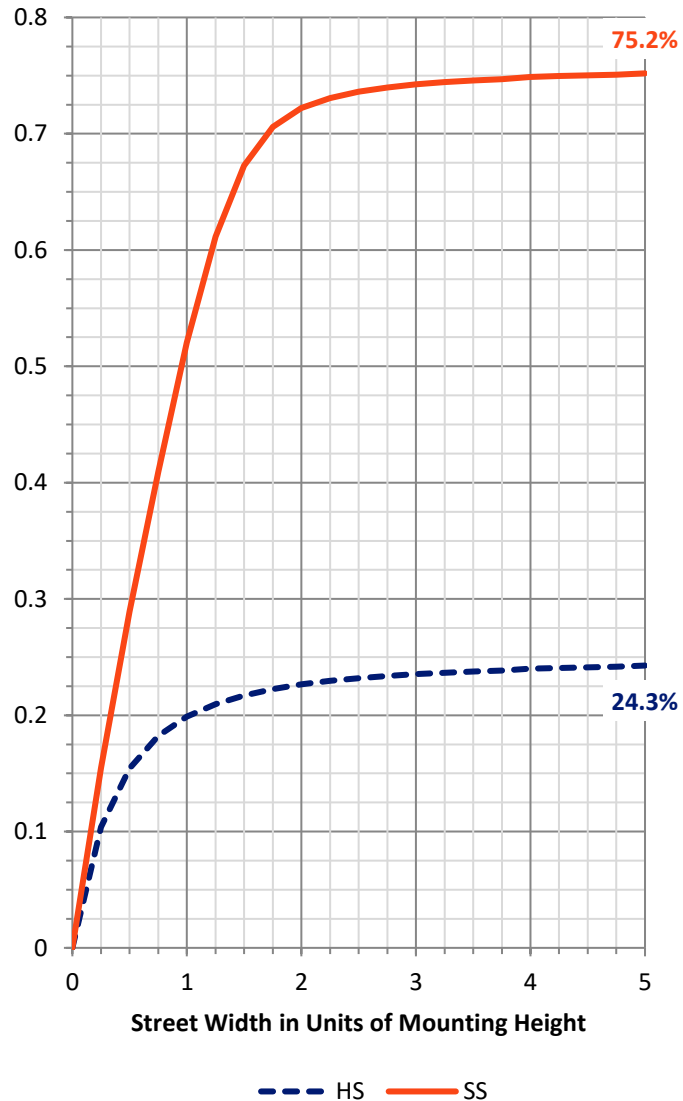
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15717.4	0.0	15717.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	48038.6	0.0	48038.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	63756.0	0.0	63756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	882.6	1.4
10°-20°	2535.6	4.0
20°-30°	4241.9	6.7
30°-40°	6626.9	10.4
40°-50°	10554.2	16.6
50°-60°	14687.4	23.0
60°-70°	15363.7	24.1
70°-80°	8029.9	12.6
80°-90°	833.8	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°	63756.0	100.0
0°-180°	63756.0	100.0

Coefficient of Utilization

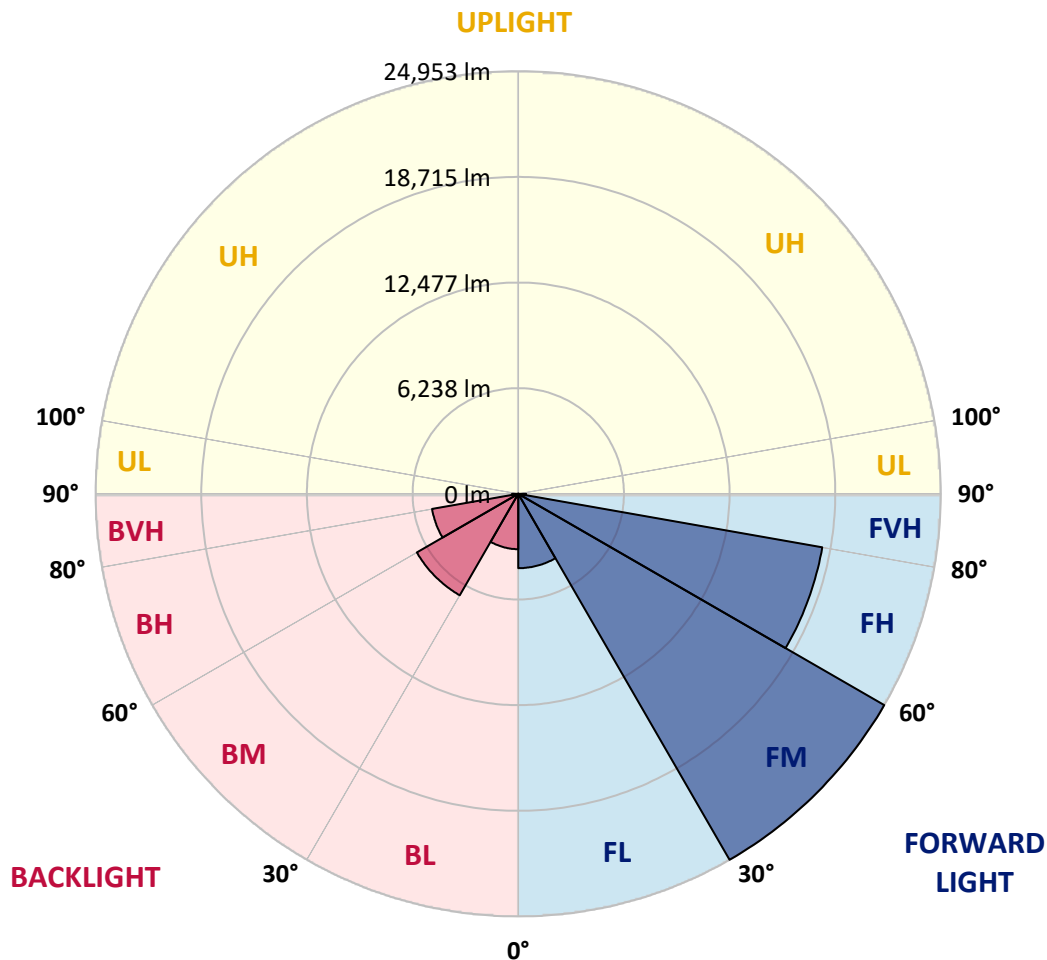


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4390.3	6.9			
FM (30°-60°)	24953.5	39.1			
FH (60°-80°)	18228.0	28.6			G5
FVH (80°-90°)	466.8	0.7			G3/500
BL (0°-30°)	3269.8	5.1	B4/5000		
BM (30°-60°)	6915.0	10.8	B4/8500		
BH (60°-80°)	5165.5	8.1	B5		G5
BVH (80°-90°)	367.0	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4
2.5°	9570.7	9624.8	9607.9	9591.0	9591.0	9567.3	9563.9	9530.1	9503.0	9459.1
5°	9692.5	9750.0	9743.2	9756.8	9800.8	9810.9	9821.1	9800.8	9746.6	9692.5
7.5°	9584.2	9648.5	9668.8	9750.0	9885.3	10007.1	10098.5	10135.7	10084.9	10007.1
10°	9218.9	9289.9	9361.0	9553.8	9794.0	10081.6	10325.1	10470.6	10460.5	10386.0
12.5°	8478.0	8552.4	8704.6	9080.2	9520.0	10027.4	10480.8	10785.2	10890.1	10836.0
15°	7885.9	7950.2	8065.2	8450.9	9022.7	9794.0	10538.3	11130.3	11397.6	11367.1
17.5°	7869.0	7896.1	7967.1	8149.8	8589.6	9428.6	10477.4	11468.6	11979.5	11976.1
20°	8166.7	8176.9	8217.5	8254.7	8505.0	9151.2	10321.8	11749.4	12632.4	12632.4
22.5°	8579.5	8572.7	8613.3	8579.5	8701.3	9127.5	10223.6	11996.4	13359.7	13413.9
25°	9198.6	9164.7	9154.6	9076.8	9100.5	9347.4	10331.9	12277.2	14222.4	14334.1
27.5°	10024.0	9969.9	9932.7	9753.4	9692.5	9800.8	10663.4	12615.5	15183.2	15376.1
30°	11099.9	11001.7	10947.6	10636.4	10416.5	10433.4	11164.1	13065.4	16188.0	16499.2
32.5°	12568.1	12415.9	12270.4	11759.6	11357.0	11225.0	11810.3	13687.9	17277.3	17774.7
35°	14212.3	14090.5	13934.9	13146.6	12527.5	12223.0	12683.1	14557.4	18552.8	19341.0
37.5°	15795.6	15690.7	15765.1	14702.8	13904.4	13461.2	13826.6	15724.5	20125.9	21289.7
40°	17433.0	17351.8	17361.9	16347.0	15416.7	14919.3	15213.7	17189.4	21929.1	23607.1
42.5°	19212.5	19151.6	18948.6	18048.7	17003.3	16539.8	16810.5	18880.9	23864.2	26245.9
45°	21205.1	21167.9	20978.4	19946.6	18749.0	18228.0	18593.4	20748.4	25809.5	28729.0
47.5°	22927.1	22957.5	22933.8	22064.4	20822.8	20058.2	20494.6	22697.0	27619.4	31063.4
50°	23755.9	23914.9	24148.4	23877.7	23106.4	22328.3	22412.8	24578.0	29344.8	33252.2
52.5°	23322.9	23624.0	24260.0	24693.0	24990.7	24828.4	24601.7	26445.5	30968.6	35227.9
55°	21709.2	22132.1	23187.6	24232.9	25751.9	26932.6	27230.3	28515.9	32551.9	36966.8
57.5°	18769.3	19456.0	20403.3	22517.7	25075.3	27950.9	30295.4	31388.1	34229.9	38824.1
60°	13728.5	14648.7	15826.0	18972.3	22707.2	27406.3	32903.8	35799.7	36615.0	41229.5
62.5°	8785.8	9354.2	10436.8	13400.3	17693.5	24615.2	33702.2	41314.1	40657.8	45174.2
65°	6015.1	6380.5	7371.7	9036.2	11438.2	18322.7	31564.1	45448.2	47078.8	51426.1
67.5°	4370.9	4648.3	5494.1	6952.2	7452.9	10842.7	24493.4	45258.7	53320.6	57867.4
70°	3186.9	3383.1	4093.5	5494.1	5734.3	6032.0	14838.2	38472.3	53185.3	59579.3
72.5°	2361.4	2496.7	2973.7	4262.7	4641.6	4073.2	7344.6	27961.1	45701.9	53888.9
75°	1708.5	1809.9	2161.8	3261.3	3714.6	3102.3	3663.9	16340.2	31878.7	37907.3
77.5°	1305.9	1383.7	1613.7	2388.4	2973.7	2327.6	2273.4	7517.2	15115.6	15190.0
80°	1048.8	1099.5	1224.7	1681.4	2280.2	1742.3	1481.8	3034.6	4776.9	4042.8
82.5°	771.3	855.9	1035.2	1180.7	1630.6	1201.0	903.3	1532.5	1816.7	1563.0
85°	439.8	497.3	625.9	845.8	1042.0	734.1	517.6	680.0	845.8	693.5
87.5°	155.6	203.0	219.9	331.5	453.3	304.5	199.6	196.2	277.4	206.4
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°
9347.4	0°	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4	9347.4
9448.9	2.5°	9415.1	9398.2	9330.5	9239.2	9144.4	9053.1	9022.7	8958.4	8914.4	8890.7
9668.8	5°	9604.5	9550.4	9391.4	9188.4	8975.3	8745.2	8582.9	8434.0	8325.7	8224.2
9969.9	7.5°	9875.2	9780.5	9506.4	9151.2	8772.3	8390.0	8105.8	7889.3	7743.9	7649.1
10321.8	10°	10189.8	10044.3	9624.8	9093.7	8508.4	7960.4	7625.4	7439.4	7348.0	7297.3
10724.3	12.5°	10551.8	10345.4	9746.6	8961.8	8105.8	7480.0	7249.9	7195.8	7199.2	7202.6
11231.8	15°	10998.4	10710.8	9844.7	8674.2	7581.5	7111.2	7070.6	7158.6	7249.9	7293.9
11806.9	17.5°	11502.4	11096.5	9861.7	8200.6	7067.2	6874.4	7003.0	7192.4	7331.1	7392.0
12449.7	20°	12043.7	11488.9	9739.9	7530.7	6644.4	6681.6	6911.6	7155.2	7307.4	7385.2
13183.8	22.5°	12662.8	11908.4	9448.9	6827.0	6299.3	6471.8	6742.5	6979.3	7138.3	7216.1
14046.5	25°	13369.9	12378.7	8992.2	6235.0	6001.6	6235.0	6505.6	6701.9	6830.4	6901.5
15010.7	27.5°	14154.8	12869.2	8383.3	5764.8	5741.1	5991.4	6214.7	6366.9	6434.6	6488.7
16035.8	30°	14943.0	13315.8	7645.7	5409.5	5514.4	5751.2	5910.2	5977.9	5998.2	6008.3
17179.2	32.5°	15795.6	13701.4	6871.0	5115.2	5297.9	5517.8	5612.5	5643.0	5548.2	5484.0
18566.3	35°	16827.4	14114.2	6113.2	4881.8	5084.8	5274.2	5304.7	5277.6	5166.0	5034.0
20305.2	37.5°	18102.8	14628.4	5507.6	4716.0	4885.2	5010.3	4973.1	4966.3	4976.5	4820.9
22395.9	40°	19665.8	15298.2	5064.5	4587.4	4722.8	4749.8	4645.0	4702.5	4753.2	4516.4
24689.7	42.5°	21401.3	16106.8	4783.7	4499.5	4587.4	4523.2	4360.8	4425.1	4418.3	4107.0
26993.5	45°	23170.7	16986.4	4685.6	4435.2	4462.3	4333.7	4154.4	4171.3	4029.2	3748.4
29202.7	47.5°	24929.9	17930.3	4746.4	4381.1	4306.7	4161.2	4022.5	3948.0	3738.3	3528.5
31320.5	50°	26655.2	18921.5	4969.7	4272.8	4093.5	4008.9	3907.4	3775.5	3552.2	3372.9
33323.3	52.5°	28255.4	19919.5	5220.1	4093.5	3826.3	3877.0	3812.7	3660.5	3440.6	3257.9
35217.8	55°	29771.0	20917.5	5318.2	3846.6	3575.9	3762.0	3724.8	3444.0	3180.1	3031.2
37200.3	57.5°	31422.0	22118.5	5209.9	3531.9	3372.9	3630.0	3487.9	3176.7	3024.5	2912.8
39781.5	60°	33708.9	24002.9	4976.5	3142.9	3180.1	3433.8	3190.2	3061.7	2895.9	2770.7
43651.8	62.5°	37508.1	27517.9	4601.0	2757.2	2953.4	3142.9	3048.1	2919.6	2750.4	2628.6
50269.1	65°	43124.0	32403.1	3893.9	2456.1	2699.7	2858.7	2895.9	2767.4	2591.4	2462.9
56067.6	67.5°	47860.3	35468.1	2946.7	2205.8	2439.2	2628.6	2733.5	2608.3	2422.3	2297.1
57424.3	70°	47599.8	33242.1	2249.7	1958.8	2209.1	2402.0	2537.3	2439.2	2239.6	2121.2
52160.2	72.5°	42278.2	27808.8	1820.1	1708.5	1975.7	2165.2	2327.6	2253.1	2050.1	1935.1
38211.8	75°	31060.0	19740.2	1454.7	1454.7	1684.8	1918.2	2097.5	2050.1	1864.1	1782.9
16042.5	77.5°	13092.5	8281.8	1140.1	1207.8	1400.6	1647.6	1870.8	1887.8	1725.4	1826.9
4242.4	80°	3481.2	2283.6	869.4	950.6	1099.5	1360.0	1627.3	1620.5	1444.6	1349.8
1576.5	82.5°	1326.2	899.9	619.1	669.8	795.0	1042.0	1289.0	1329.5	1153.6	998.0
619.1	85°	510.8	385.7	382.3	402.6	463.5	690.1	974.3	1008.2	869.4	737.5
172.5	87.5°	131.9	115.0	142.1	135.3	213.1	368.8	558.2	578.5	531.1	307.9
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°
9347.4
8917.8
8264.8
7669.4
7310.8
7209.3
7290.5
7405.5
7405.5
7236.4
6921.8
6509.0
6032.0
5504.3
5040.8
4831.0
4523.2
4103.7
3758.6
3528.5
3359.4
3261.3
3017.7
2902.7
2764.0
2628.6
2469.6
2300.5
2131.3
1935.1
1759.2
1657.7
1255.1
998.0
761.2
439.8
0.0

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