

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: P850906

Luminaire Tested: **GLAN-SB8C-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850906
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-SB8C-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51522 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

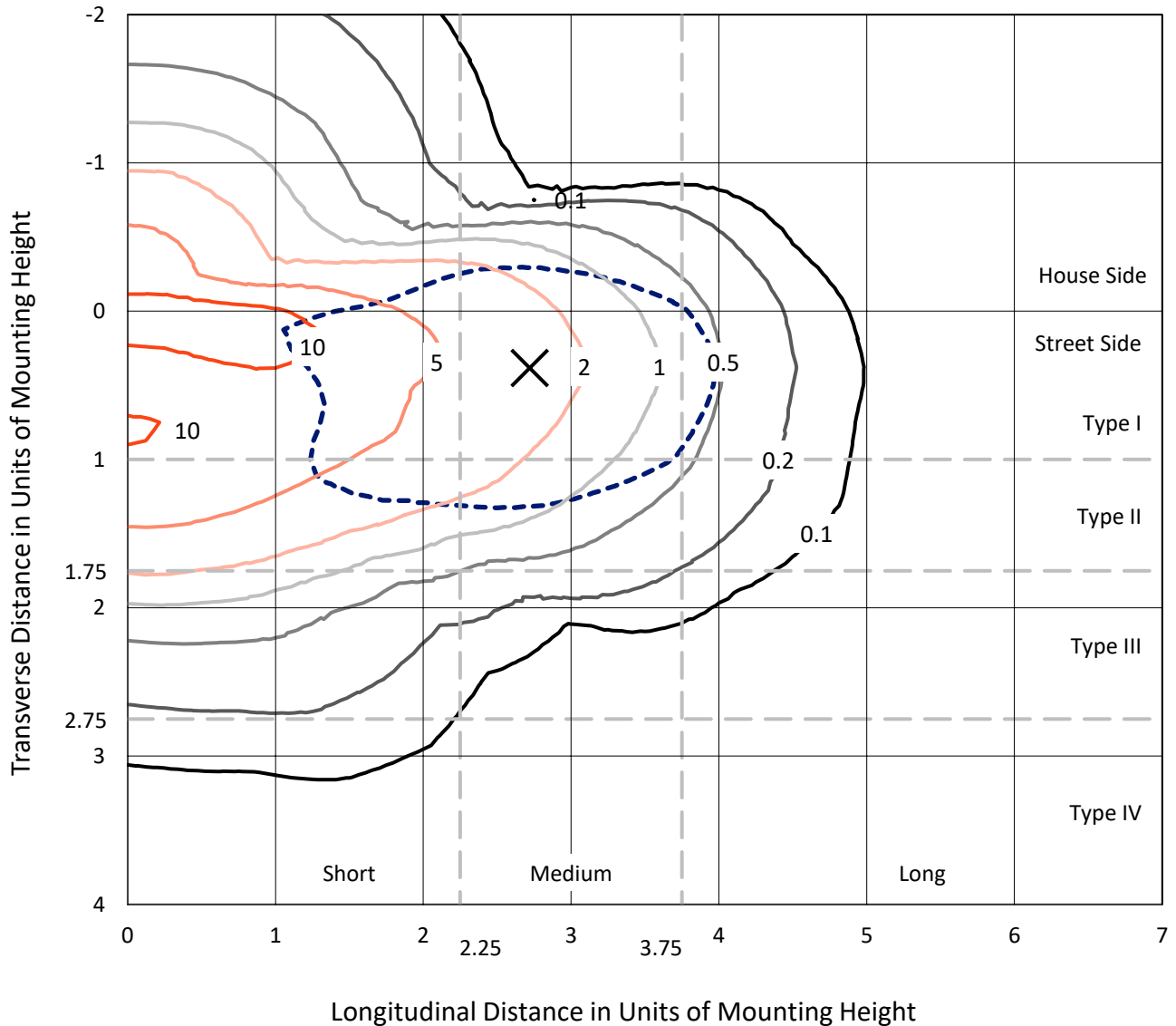
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850906
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Iso-Footcandle Lines of Horizontal Illumination

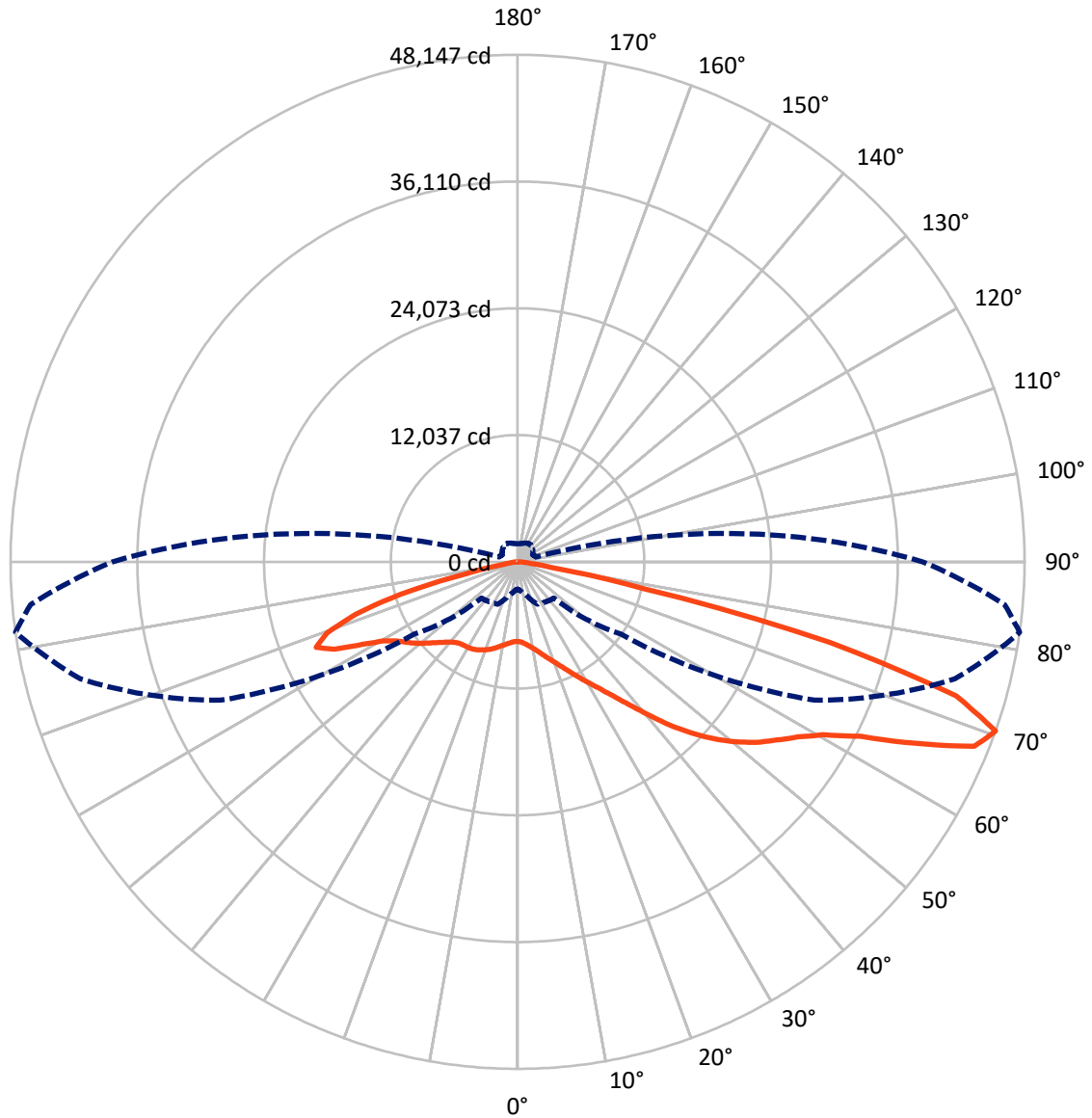
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P850906
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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GLAN-SB8C-850-U-T2

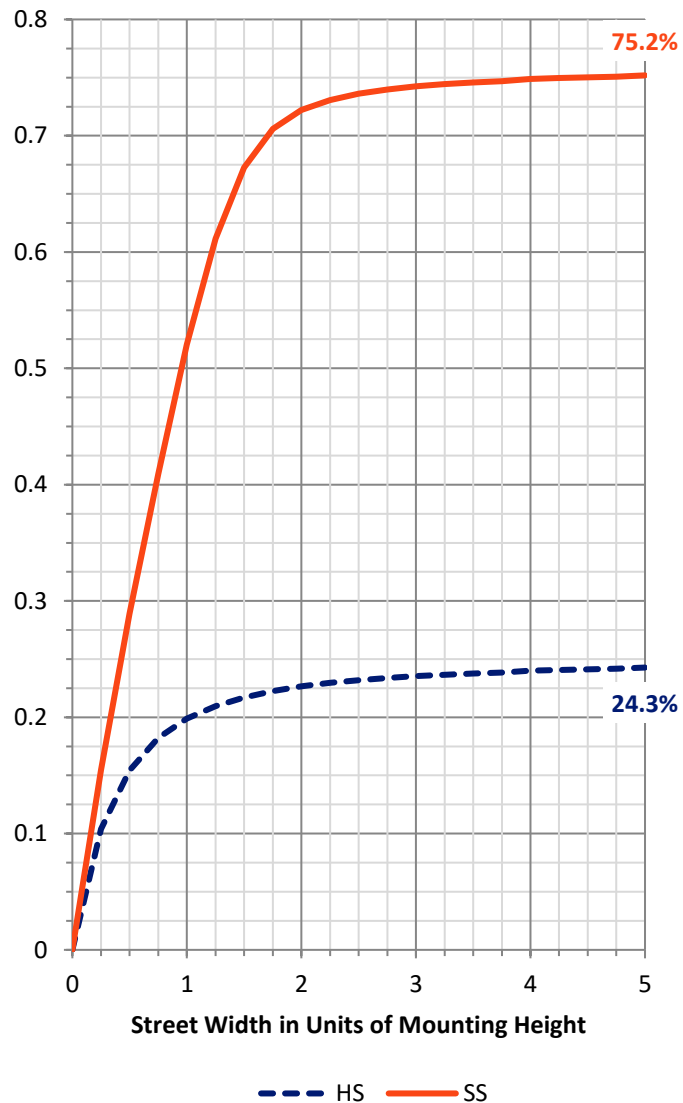
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12701.4	0.0	12701.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	38820.6	0.0	38820.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	51522.0	0.0	51522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.2	1.4
10°-20°	2049.1	4.0
20°-30°	3427.9	6.7
30°-40°	5355.3	10.4
40°-50°	8528.9	16.6
50°-60°	11869.1	23.0
60°-70°	12415.6	24.1
70°-80°	6489.0	12.6
80°-90°	673.8	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°	51522.0	100.0
0°-180°	51522.0	100.0

Coefficient of Utilization



REPORT NUMBER: P850906

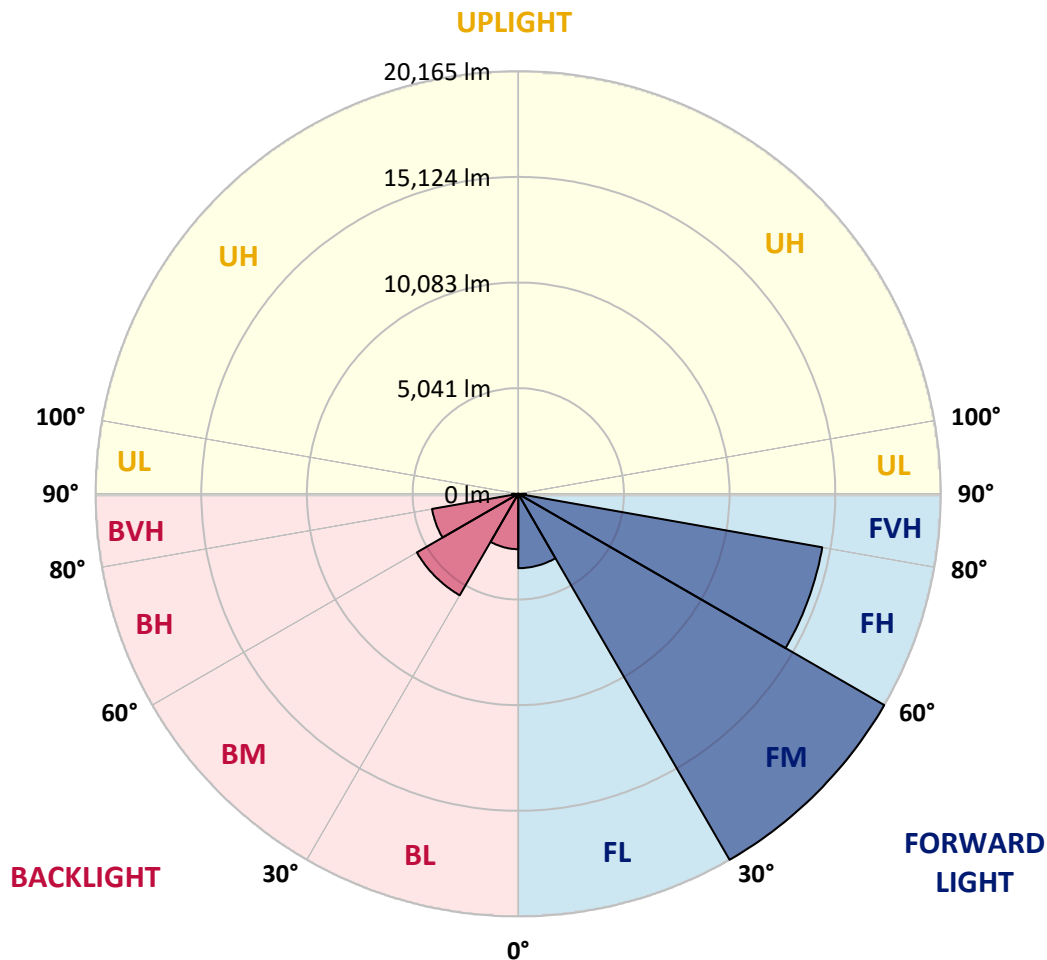
CATALOG NUMBER: GLAN-SB8C-850-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3547.9	6.9			
FM (30°-60°)	20165.2	39.1			
FH (60°-80°)	14730.3	28.6			G5
FVH (80°-90°)	377.2	0.7			G3/500
BL (0°-30°)	2642.4	5.1	B4/5000		
BM (30°-60°)	5588.1	10.8	B4/8500		
BH (60°-80°)	4174.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	296.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



REPORT NUMBER: P850906
 CATALOG NUMBER: GLAN-SB8C-850-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8
2.5°	7734.2	7777.9	7764.3	7750.6	7750.6	7731.5	7728.7	7701.4	7679.5	7644.0
5°	7832.6	7879.1	7873.6	7884.6	7920.1	7928.3	7936.5	7920.1	7876.4	7832.6
7.5°	7745.1	7797.1	7813.5	7879.1	7988.5	8086.9	8160.7	8190.8	8149.8	8086.9
10°	7449.9	7507.3	7564.7	7720.5	7914.6	8147.0	8343.9	8461.4	8453.2	8393.1
12.5°	6851.2	6911.3	7034.3	7337.8	7693.2	8103.3	8469.6	8715.7	8800.4	8756.7
15°	6372.7	6424.7	6517.6	6829.3	7291.3	7914.6	8516.1	8994.5	9210.5	9185.9
17.5°	6359.1	6380.9	6438.3	6586.0	6941.4	7619.4	8466.9	9267.9	9680.7	9678.0
20°	6599.6	6607.8	6640.6	6670.7	6873.0	7395.2	8341.1	9494.8	10208.4	10208.4
22.5°	6933.2	6927.7	6960.5	6933.2	7031.6	7376.1	8261.8	9694.4	10796.2	10839.9
25°	7433.5	7406.1	7397.9	7335.1	7354.2	7553.8	8349.3	9921.3	11493.3	11583.5
27.5°	8100.5	8056.8	8026.7	7881.8	7832.6	7920.1	8617.3	10194.7	12269.7	12425.6
30°	8969.9	8890.6	8846.9	8595.4	8417.7	8431.4	9021.9	10558.3	13081.7	13333.2
32.5°	10156.4	10033.4	9915.9	9503.0	9177.7	9071.1	9544.0	11061.4	13962.0	14363.9
35°	11485.1	11386.7	11260.9	10623.9	10123.6	9877.6	10249.4	11764.0	14992.7	15629.7
37.5°	12764.6	12679.8	12740.0	11881.5	11236.3	10878.2	11173.5	12707.2	16264.0	17204.4
40°	14087.8	14022.2	14030.4	13210.2	12458.4	12056.5	12294.4	13891.0	17721.1	19077.2
42.5°	15525.8	15476.6	15312.6	14585.4	13740.6	13366.0	13584.8	15257.9	19284.9	21209.6
45°	17136.1	17106.0	16952.9	16119.1	15151.3	14730.3	15025.5	16767.0	20856.9	23216.3
47.5°	18527.6	18552.3	18533.1	17830.5	16827.2	16209.3	16562.0	18341.7	22319.6	25102.7
50°	19197.5	19325.9	19514.6	19295.9	18672.5	18043.7	18112.1	19861.8	23713.9	26871.5
52.5°	18847.5	19090.8	19604.8	19954.7	20195.3	20064.1	19880.9	21370.9	25026.1	28468.1
55°	17543.4	17885.2	18738.2	19582.9	20810.5	21764.6	22005.2	23044.1	26305.6	29873.3
57.5°	15167.7	15722.7	16488.2	18196.8	20263.7	22587.5	24482.1	25365.1	27661.6	31374.3
60°	11094.2	11837.8	12789.2	15331.7	18349.9	22147.3	26589.9	28930.1	29589.0	33318.1
62.5°	7099.9	7559.2	8434.1	10829.0	14298.3	19891.9	27235.1	33386.4	32856.0	36505.8
65°	4860.9	5156.1	5957.2	7302.3	9243.3	14806.8	25507.3	36727.2	38045.0	41558.0
67.5°	3532.2	3756.4	4439.9	5618.2	6022.8	8762.2	19793.4	36574.1	43089.0	46763.4
70°	2575.3	2733.9	3308.0	4439.9	4634.0	4874.5	11990.9	31089.9	42979.7	48146.7
72.5°	1908.3	2017.6	2403.1	3444.7	3750.9	3291.6	5935.3	22595.7	36932.3	43548.3
75°	1380.6	1462.6	1747.0	2635.5	3001.8	2507.0	2960.8	13204.7	25761.6	30633.4
77.5°	1055.3	1118.2	1304.1	1930.1	2403.1	1880.9	1837.2	6074.7	12215.1	12275.2
80°	847.5	888.5	989.7	1358.7	1842.6	1408.0	1197.4	2452.3	3860.3	3267.0
82.5°	623.3	691.7	836.6	954.1	1317.7	970.5	730.0	1238.5	1468.1	1263.1
85°	355.4	401.9	505.8	683.5	842.0	593.3	418.3	549.5	683.5	560.4
87.5°	125.8	164.0	177.7	267.9	366.3	246.1	161.3	158.6	224.2	166.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850906
 CATALOG NUMBER: GLAN-SB8C-850-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7553.8	0°	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8	7553.8
7635.8	2.5°	7608.4	7594.8	7540.1	7466.3	7389.7	7315.9	7291.3	7239.4	7203.8	7184.7
7813.5	5°	7761.5	7717.8	7589.3	7425.3	7253.0	7067.1	6935.9	6815.6	6728.1	6646.1
8056.8	7.5°	7980.3	7903.7	7682.3	7395.2	7089.0	6780.1	6550.4	6375.5	6257.9	6181.4
8341.1	10°	8234.5	8117.0	7777.9	7348.7	6875.8	6432.9	6162.2	6011.8	5938.0	5897.0
8666.5	12.5°	8527.0	8360.3	7876.4	7242.1	6550.4	6044.7	5858.8	5815.0	5817.7	5820.5
9076.6	15°	8887.9	8655.5	7955.7	7009.7	6126.7	5746.7	5713.9	5784.9	5858.8	5894.3
9541.3	17.5°	9295.3	8967.2	7969.3	6627.0	5711.1	5555.3	5659.2	5812.3	5924.4	5973.6
10060.8	20°	9732.7	9284.3	7870.9	6085.7	5369.4	5399.5	5585.4	5782.2	5905.2	5968.1
10654.0	22.5°	10233.0	9623.3	7635.8	5517.0	5090.5	5230.0	5448.7	5640.0	5768.5	5831.4
11351.2	25°	10804.4	10003.3	7266.7	5038.6	4849.9	5038.6	5257.3	5415.9	5519.7	5577.2
12130.3	27.5°	11438.6	10399.8	6774.6	4658.6	4639.4	4841.7	5022.2	5145.2	5199.9	5243.6
12958.7	30°	12075.6	10760.6	6178.6	4371.5	4456.3	4647.6	4776.1	4830.8	4847.2	4855.4
13882.8	32.5°	12764.6	11072.3	5552.6	4133.7	4281.3	4459.0	4535.5	4560.1	4483.6	4431.7
15003.7	35°	13598.4	11405.8	4940.2	3945.0	4109.1	4262.2	4286.8	4264.9	4174.7	4068.0
16408.9	37.5°	14629.1	11821.4	4450.8	3811.1	3947.8	4048.9	4018.8	4013.4	4021.6	3895.8
18098.4	40°	15892.2	12362.7	4092.7	3707.2	3816.5	3838.4	3753.6	3800.1	3841.1	3649.8
19952.0	42.5°	17294.7	13016.1	3865.7	3636.1	3707.2	3655.2	3524.0	3575.9	3570.5	3319.0
21813.8	45°	18724.5	13726.9	3786.5	3584.1	3606.0	3502.1	3357.2	3370.9	3256.1	3029.2
23599.0	47.5°	20146.1	14489.7	3835.7	3540.4	3480.3	3362.7	3250.6	3190.5	3021.0	2851.5
25310.5	50°	21540.4	15290.7	4016.1	3452.9	3308.0	3239.7	3157.7	3051.0	2870.6	2725.7
26928.9	52.5°	22833.5	16097.2	4218.4	3308.0	3092.0	3133.1	3081.1	2958.1	2780.4	2632.7
28459.9	55°	24058.3	16903.7	4297.7	3108.4	2889.7	3040.1	3010.0	2783.1	2569.9	2449.6
30062.0	57.5°	25392.5	17874.2	4210.2	2854.2	2725.7	2933.5	2818.7	2567.1	2444.1	2353.9
32147.9	60°	27240.6	19397.0	4021.6	2539.8	2569.9	2774.9	2578.1	2474.2	2340.2	2239.1
35275.5	62.5°	30310.8	22237.6	3718.1	2228.1	2386.7	2539.8	2463.2	2359.4	2222.7	2124.2
40623.0	65°	34849.0	26185.3	3146.7	1984.8	2181.7	2310.1	2340.2	2236.3	2094.2	1990.3
45308.9	67.5°	38676.5	28662.2	2381.2	1782.5	1971.1	2124.2	2209.0	2107.8	1957.5	1856.3
46405.2	70°	38466.0	26863.3	1818.0	1582.9	1785.2	1941.1	2050.4	1971.1	1809.8	1714.2
42151.3	72.5°	34165.6	22472.7	1470.8	1380.6	1596.6	1749.7	1880.9	1820.8	1656.7	1563.8
30879.4	75°	25099.9	15952.3	1175.6	1175.6	1361.5	1550.1	1695.0	1656.7	1506.4	1440.8
12964.2	77.5°	10580.2	6692.6	921.3	976.0	1131.8	1331.4	1511.8	1525.5	1394.3	1476.3
3428.3	80°	2813.2	1845.4	702.6	768.2	888.5	1099.0	1315.0	1309.5	1167.4	1090.8
1274.0	82.5°	1071.7	727.2	500.3	541.3	642.5	842.0	1041.6	1074.4	932.3	806.5
500.3	85°	412.8	311.7	308.9	325.3	374.5	557.7	787.4	814.7	702.6	596.0
139.4	87.5°	106.6	93.0	114.8	109.4	172.2	298.0	451.1	467.5	429.2	248.8
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°
7553.8
7206.6
6678.9
6197.8
5908.0
5825.9
5891.6
5984.5
5984.5
5847.8
5593.6
5260.0
4874.5
4448.1
4073.5
3904.0
3655.2
3316.2
3037.4
2851.5
2714.8
2635.5
2438.6
2345.7
2233.6
2124.2
1995.7
1859.1
1722.4
1563.8
1421.6
1339.6
1014.3
806.5
615.1
355.4
0.0

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