

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: P850486

Luminaire Tested: **GLAN-SB8A-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850486
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-SB8A-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35269 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

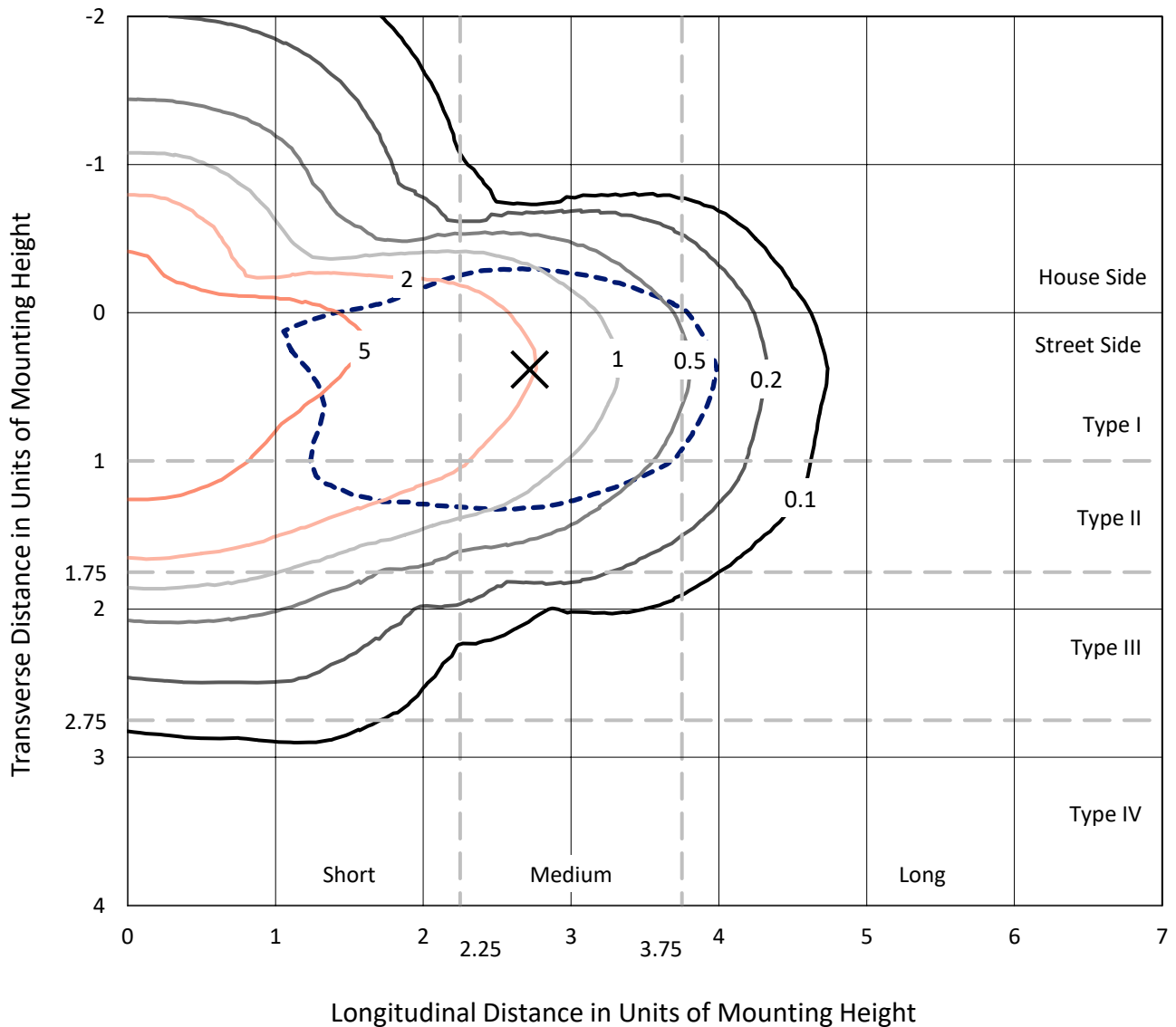
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850486
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Iso-Footcandle Lines of Horizontal Illumination

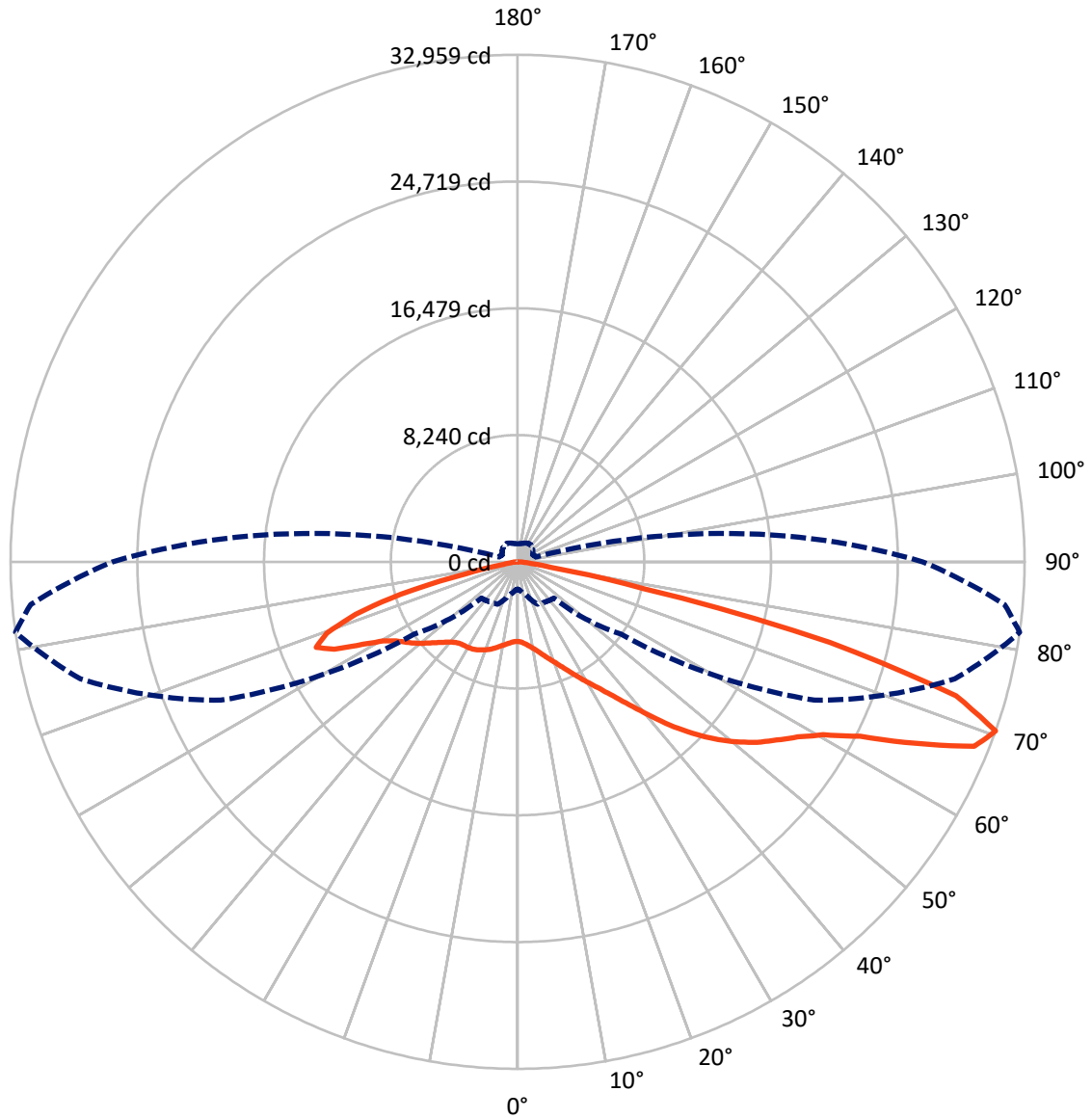
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P850486
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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-SB8A-735-U-T2

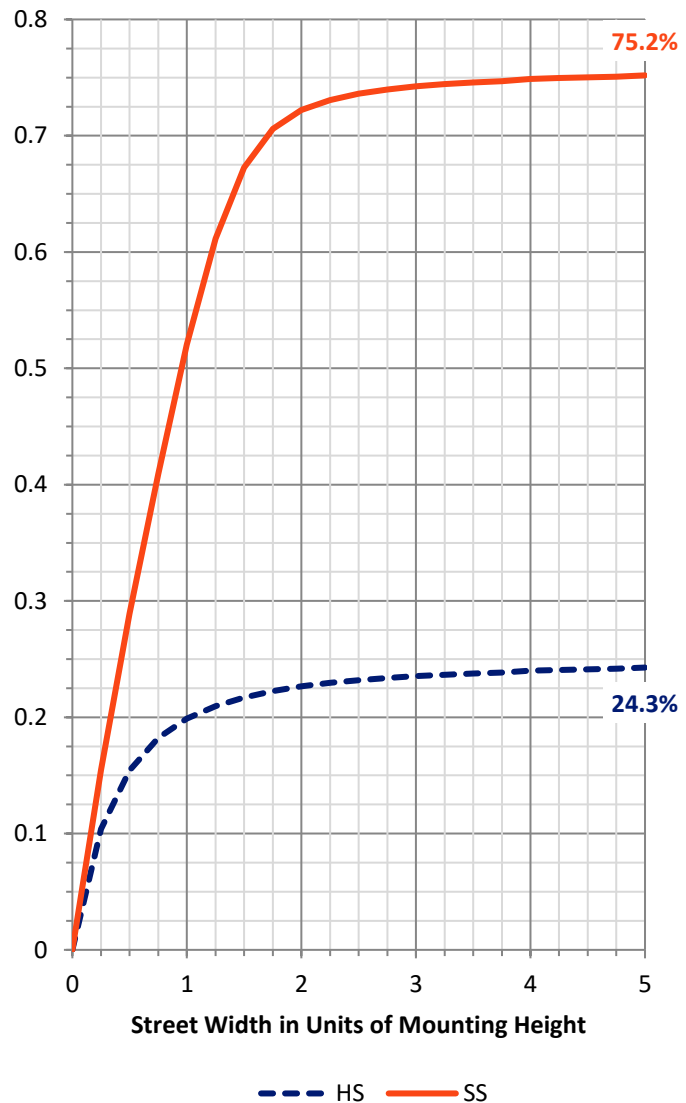
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8694.7	0.0	8694.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	26574.3	0.0	26574.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	35269.0	0.0	35269.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.2	1.4
10°-20°	1402.7	4.0
20°-30°	2346.6	6.7
30°-40°	3665.9	10.4
40°-50°	5838.4	16.6
50°-60°	8124.9	23.0
60°-70°	8499.0	24.1
70°-80°	4442.0	12.6
80°-90°	461.3	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°	35269.0	100.0
0°-180°	35269.0	100.0

Coefficient of Utilization

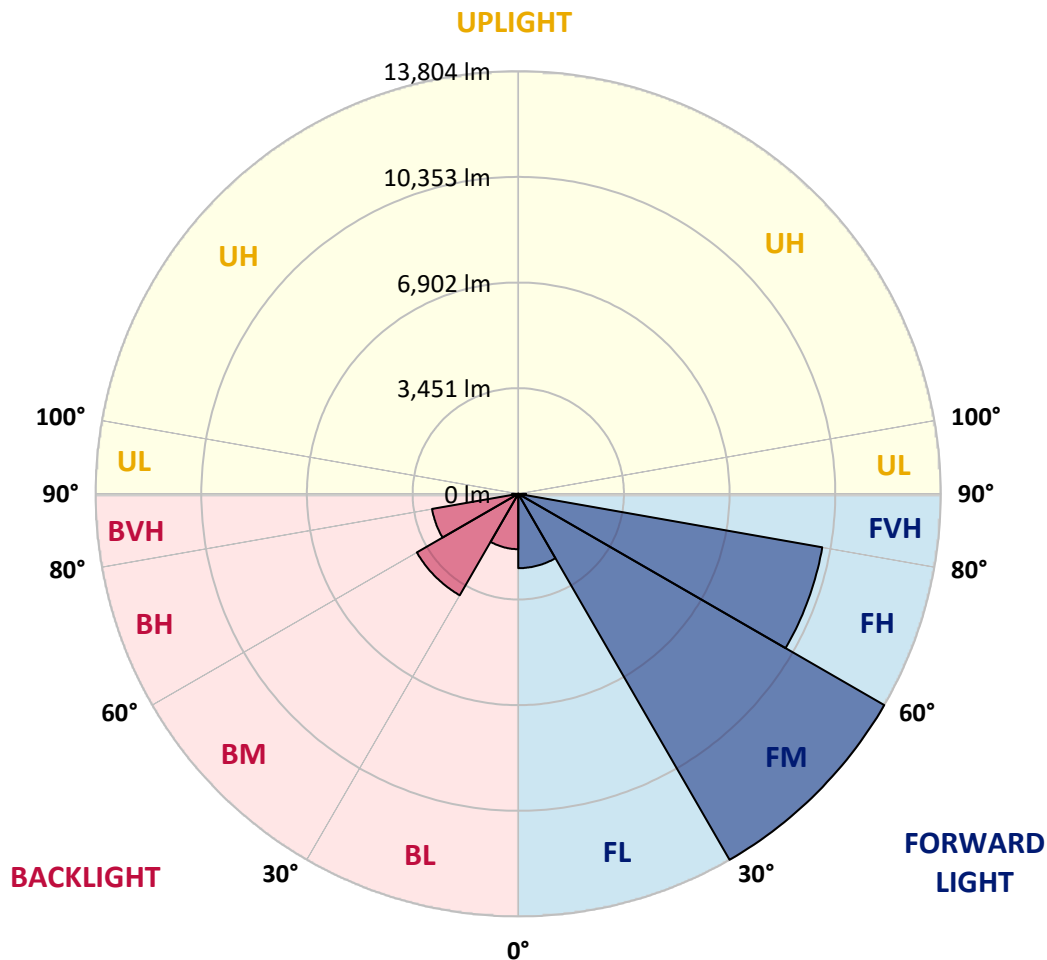


REPORT NUMBER: P850486
 CATALOG NUMBER: GLAN-SB8A-735-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2428.7	6.9			
FM (30°-60°)	13803.9	39.1			
FH (60°-80°)	10083.5	28.6			G4/12000
FVH (80°-90°)	258.2	0.7			G3/500
BL (0°-30°)	1808.8	5.1	B3/2500		
BM (30°-60°)	3825.3	10.8	B3/5000		
BH (60°-80°)	2857.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	203.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



REPORT NUMBER: P850486
 CATALOG NUMBER: GLAN-SB8A-735-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9
2.5°	5294.4	5324.3	5315.0	5305.6	5305.6	5292.5	5290.7	5271.9	5257.0	5232.6
5°	5361.8	5393.6	5389.8	5397.3	5421.7	5427.3	5432.9	5421.7	5391.7	5361.8
7.5°	5301.9	5337.4	5348.7	5393.6	5468.4	5535.8	5586.3	5606.9	5578.9	5535.8
10°	5099.8	5139.1	5178.4	5285.0	5417.9	5577.0	5711.7	5792.2	5786.6	5745.4
12.5°	4689.9	4731.1	4815.3	5023.0	5266.3	5547.0	5797.8	5966.3	6024.3	5994.3
15°	4362.4	4398.0	4461.6	4674.9	4991.2	5417.9	5829.6	6157.1	6305.0	6288.1
17.5°	4353.0	4368.0	4407.3	4508.4	4751.7	5215.8	5795.9	6344.3	6626.9	6625.0
20°	4517.7	4523.3	4545.8	4566.4	4704.9	5062.3	5709.9	6499.6	6988.1	6988.1
22.5°	4746.1	4742.3	4764.8	4746.1	4813.4	5049.2	5655.6	6636.2	7390.4	7420.4
25°	5088.5	5069.8	5064.2	5021.2	5034.3	5170.9	5715.5	6791.6	7867.7	7929.4
27.5°	5545.2	5515.2	5494.6	5395.5	5361.8	5421.7	5898.9	6978.7	8399.2	8505.8
30°	6140.3	6086.0	6056.1	5883.9	5762.3	5771.6	6175.9	7227.6	8955.0	9127.2
32.5°	6952.5	6868.3	6787.8	6505.2	6282.5	6209.5	6533.3	7572.0	9557.6	9832.7
35°	7862.1	7794.7	7708.6	7272.5	6930.1	6761.6	7016.1	8052.9	10263.2	10699.2
37.5°	8737.9	8679.9	8721.1	8133.4	7691.7	7446.6	7648.7	8698.6	11133.4	11777.2
40°	9643.7	9598.8	9604.4	9043.0	8528.3	8253.2	8416.0	9508.9	12130.9	13059.1
42.5°	10628.1	10594.4	10482.1	9984.3	9406.0	9149.6	9299.3	10444.7	13201.4	14518.9
45°	11730.4	11709.8	11605.0	11034.2	10371.7	10083.5	10285.6	11477.7	14277.5	15892.5
47.5°	12683.0	12699.8	12686.7	12205.7	11518.9	11096.0	11337.4	12555.7	15278.7	17183.9
50°	13141.5	13229.4	13358.6	13208.8	12782.2	12351.7	12398.5	13596.2	16233.1	18394.7
52.5°	12901.9	13068.5	13420.3	13659.9	13824.6	13734.7	13609.3	14629.3	17131.5	19487.6
55°	12009.2	12243.2	12827.1	13405.4	14245.6	14898.8	15063.5	15774.6	18007.3	20449.6
57.5°	10382.9	10762.8	11286.8	12456.5	13871.3	15462.1	16759.0	17363.5	18935.6	21477.0
60°	7594.4	8103.5	8754.7	10495.2	12561.3	15160.8	18201.9	19803.9	20254.9	22807.6
62.5°	4860.2	5174.6	5773.5	7412.9	9787.8	13616.8	18643.6	22854.4	22491.3	24989.8
65°	3327.5	3529.6	4077.9	4998.7	6327.4	10135.9	17460.8	25141.4	26043.4	28448.2
67.5°	2417.9	2571.4	3039.3	3845.9	4122.9	5998.1	13549.5	25036.5	29496.3	32011.5
70°	1762.9	1871.5	2264.5	3039.3	3172.1	3336.8	8208.3	21282.4	29421.4	32958.5
72.5°	1306.3	1381.1	1645.0	2358.1	2567.7	2253.3	4063.0	15467.7	25281.7	29810.7
75°	945.1	1001.2	1195.9	1804.1	2054.9	1716.1	2026.8	9039.2	17634.9	20969.8
77.5°	722.4	765.4	892.7	1321.3	1645.0	1287.6	1257.6	4158.4	8361.7	8402.9
80°	580.2	608.2	677.5	930.1	1261.4	963.8	819.7	1678.7	2642.5	2236.4
82.5°	426.7	473.5	572.7	653.1	902.0	664.4	499.7	847.8	1005.0	864.6
85°	243.3	275.1	346.2	467.9	576.4	406.1	286.3	376.2	467.9	383.7
87.5°	86.1	112.3	121.6	183.4	250.8	168.4	110.4	108.5	153.5	114.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850486
 CATALOG NUMBER: GLAN-SB8A-735-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5170.9	0°	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9	5170.9
5227.0	2.5°	5208.3	5198.9	5161.5	5111.0	5058.6	5008.1	4991.2	4955.7	4931.3	4918.2
5348.7	5°	5313.1	5283.2	5195.2	5082.9	4965.0	4837.8	4747.9	4665.6	4605.7	4549.5
5515.2	7.5°	5462.8	5410.4	5258.8	5062.3	4852.7	4641.2	4484.0	4364.3	4283.8	4231.4
5709.9	10°	5636.9	5556.4	5324.3	5030.5	4706.8	4403.6	4218.3	4115.4	4064.8	4036.8
5932.6	12.5°	5837.1	5723.0	5391.7	4957.5	4484.0	4137.8	4010.6	3980.6	3982.5	3984.4
6213.3	15°	6084.2	5925.1	5446.0	4798.5	4194.0	3933.8	3911.4	3960.0	4010.6	4034.9
6531.4	17.5°	6363.0	6138.4	5455.3	4536.4	3909.5	3802.8	3873.9	3978.7	4055.5	4089.2
6887.0	20°	6662.4	6355.5	5388.0	4165.9	3675.6	3696.2	3823.4	3958.2	4042.4	4085.4
7293.1	22.5°	7004.9	6587.6	5227.0	3776.6	3484.7	3580.1	3729.8	3860.8	3948.8	3991.8
7770.4	25°	7396.1	6847.7	4974.4	3449.1	3320.0	3449.1	3598.8	3707.4	3778.5	3817.8
8303.7	27.5°	7830.2	7119.1	4637.5	3189.0	3175.9	3314.4	3437.9	3522.1	3559.5	3589.5
8870.8	30°	8266.3	7366.1	4229.5	2992.5	3050.5	3181.5	3269.5	3306.9	3318.1	3323.7
9503.3	32.5°	8737.9	7579.5	3801.0	2829.7	2930.7	3052.4	3104.8	3121.6	3069.2	3033.7
10270.6	35°	9308.7	7807.8	3381.7	2700.5	2812.8	2917.6	2934.5	2919.5	2857.7	2784.7
11232.6	37.5°	10014.2	8092.2	3046.8	2608.8	2702.4	2771.6	2751.1	2747.3	2752.9	2666.8
12389.1	40°	10878.9	8462.8	2801.6	2537.7	2612.6	2627.5	2569.5	2601.3	2629.4	2498.4
13658.0	42.5°	11838.9	8910.1	2646.3	2489.1	2537.7	2502.2	2412.3	2447.9	2444.1	2272.0
14932.5	45°	12817.7	9396.7	2592.0	2453.5	2468.5	2397.4	2298.2	2307.5	2228.9	2073.6
16154.5	47.5°	13790.9	9918.8	2625.7	2423.6	2382.4	2301.9	2225.2	2184.0	2068.0	1951.9
17326.1	50°	14745.3	10467.1	2749.2	2363.7	2264.5	2217.7	2161.5	2088.6	1965.0	1865.9
18434.0	52.5°	15630.5	11019.2	2887.7	2264.5	2116.6	2144.7	2109.1	2024.9	1903.3	1802.2
19482.0	55°	16469.0	11571.3	2942.0	2127.9	1978.1	2081.1	2060.5	1905.2	1759.2	1676.8
20578.7	57.5°	17382.2	12235.7	2882.1	1953.8	1865.9	2008.1	1929.5	1757.3	1673.1	1611.3
22006.6	60°	18647.3	13278.1	2752.9	1738.6	1759.2	1899.5	1764.8	1693.7	1602.0	1532.7
24147.6	62.5°	20749.0	15222.6	2545.2	1525.2	1633.8	1738.6	1686.2	1615.1	1521.5	1454.1
27808.2	65°	23855.7	17925.0	2154.1	1358.7	1493.4	1581.4	1602.0	1530.9	1433.5	1362.4
31015.9	67.5°	26475.7	19620.5	1630.1	1220.2	1349.3	1454.1	1512.1	1442.9	1340.0	1270.7
31766.4	70°	26331.6	18389.1	1244.5	1083.6	1222.1	1328.7	1403.6	1349.3	1238.9	1173.4
28854.4	72.5°	23387.8	15383.5	1006.9	945.1	1092.9	1197.7	1287.6	1246.4	1134.1	1070.5
21138.3	75°	17182.0	10920.0	804.7	804.7	932.0	1061.1	1160.3	1134.1	1031.2	986.3
8874.5	77.5°	7242.6	4581.4	630.7	668.1	774.8	911.4	1034.9	1044.3	954.5	1010.6
2346.8	80°	1925.7	1263.2	481.0	525.9	608.2	752.3	900.2	896.4	799.1	746.7
872.1	82.5°	733.6	497.8	342.5	370.6	439.8	576.4	713.0	735.5	638.2	552.1
342.5	85°	282.6	213.3	211.5	222.7	256.4	381.8	539.0	557.7	481.0	408.0
95.4	87.5°	73.0	63.6	78.6	74.9	117.9	204.0	308.8	320.0	293.8	170.3
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°
5170.9
4933.2
4572.0
4242.6
4044.3
3988.1
4033.0
4096.7
4096.7
4003.1
3829.0
3600.7
3336.8
3044.9
2788.5
2672.5
2502.2
2270.1
2079.2
1951.9
1858.4
1804.1
1669.4
1605.7
1529.0
1454.1
1366.2
1272.6
1179.0
1070.5
973.2
917.0
694.3
552.1
421.1
243.3
0.0

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