

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: P942532

Luminaire Tested: **GLAN-SB6C-830-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942532
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-SB6C-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40451 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 300.9
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



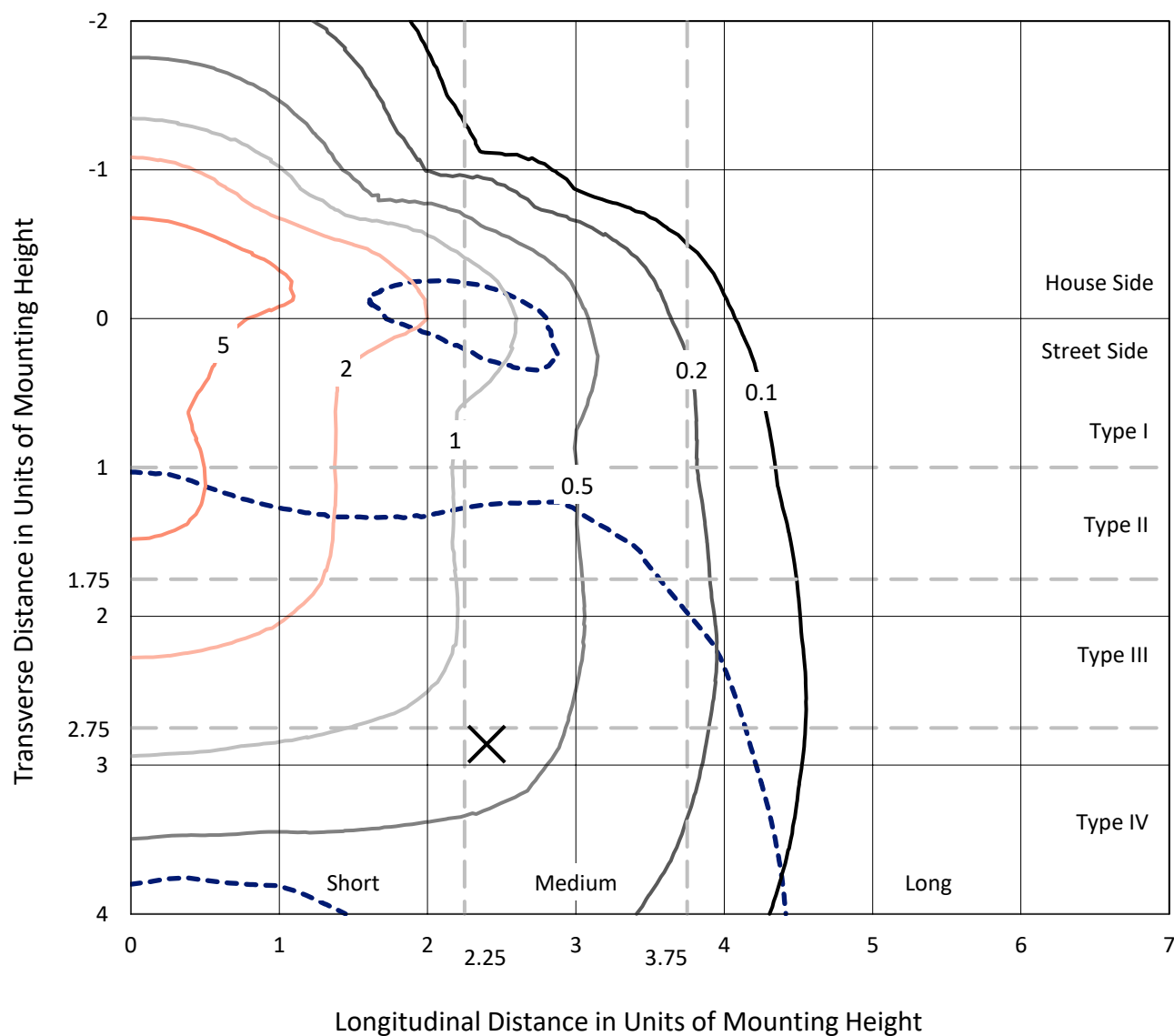
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

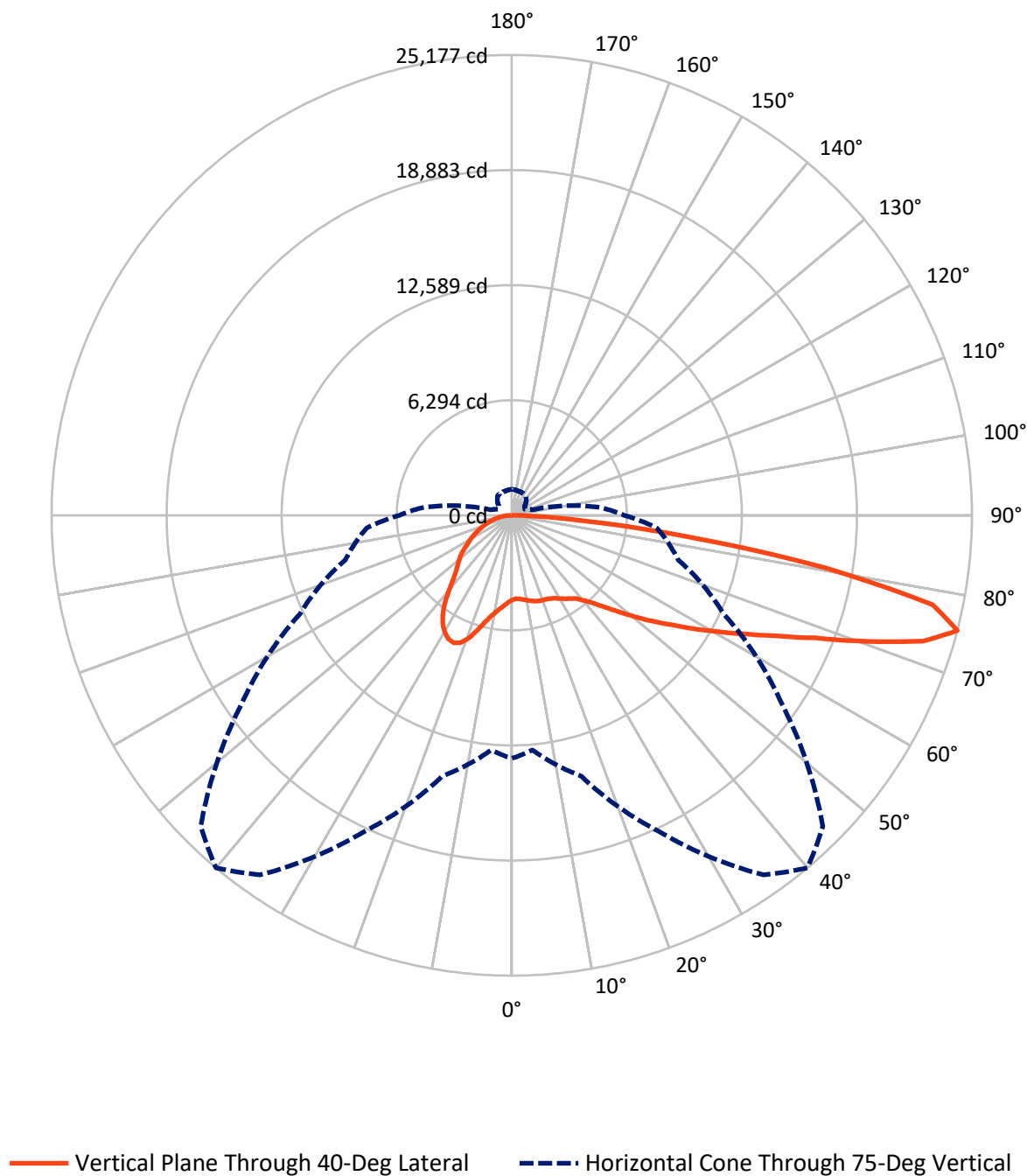
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	12533.1	0.0	12533.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	27917.9	0.0	27917.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	40451.0	0.0	40451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.7	1.1
10°-20°	1550.2	3.8
20°-30°	2830.6	7.0
30°-40°	4014.5	9.9
40°-50°	5420.8	13.4
50°-60°	7292.5	18.0
60°-70°	9255.9	22.9
70°-80°	8400.2	20.8
80°-90°	1224.5	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°	40451.0	100.0
0°-180°	40451.0	100.0

Coefficient of Utilization



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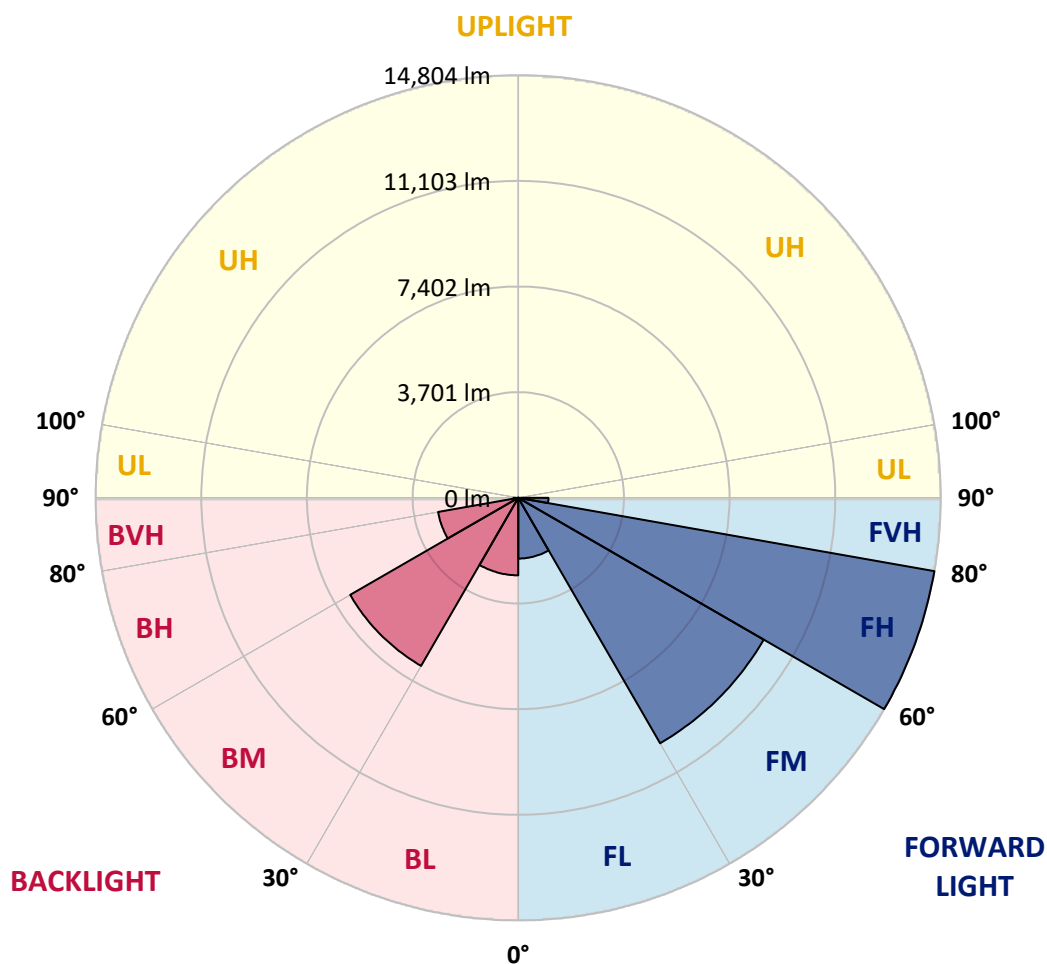
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2127.8	5.3			
FM	(30°-60°)	9929.8	24.5			
FH	(60°-80°)	14804.5	36.6			G5
FVH	(80°-90°)	1055.9	2.6			G5
BL	(0°-30°)	2714.8	6.7	B4/5000		
BM	(30°-60°)	6798.1	16.8	B4/8500		
BH	(60°-80°)	2851.6	7.0	B4/5000		G4/5000
BVH	(80°-90°)	168.6	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°	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6
2.5°	4554.8	4580.6	4574.1	4565.6	4565.6	4567.7	4565.6	4580.6	4595.6	4610.6
5°	4602.0	4627.8	4614.9	4604.2	4595.6	4593.4	4587.0	4584.9	4593.4	4612.8
7.5°	4694.3	4720.0	4700.7	4681.4	4664.2	4655.7	4647.1	4634.2	4627.8	4638.5
10°	4797.3	4823.0	4799.4	4765.1	4737.2	4726.5	4717.9	4705.0	4696.4	4702.9
12.5°	4900.2	4926.0	4893.8	4846.6	4810.1	4803.7	4793.0	4788.7	4786.5	4784.4
15°	4996.8	5018.2	4977.5	4921.7	4883.1	4872.4	4861.6	4868.1	4878.8	4891.7
17.5°	5071.9	5093.3	5033.3	4960.3	4923.8	4919.6	4913.1	4934.6	4964.6	4996.8
20°	5140.5	5162.0	5084.8	4986.1	4943.2	4943.2	4945.3	4990.4	5033.3	5080.5
22.5°	5237.1	5254.2	5159.8	5024.7	4962.5	4966.8	4983.9	5029.0	5082.6	5147.0
25°	5380.8	5393.7	5277.8	5097.6	5026.8	5039.7	5054.7	5076.2	5127.7	5202.8
27.5°	5612.5	5623.3	5470.9	5226.4	5119.1	5140.5	5162.0	5147.0	5170.6	5234.9
30°	5938.7	5945.1	5752.0	5428.0	5275.7	5286.4	5290.7	5228.5	5183.4	5234.9
32.5°	6324.8	6322.7	6093.1	5672.6	5453.8	5443.0	5406.6	5284.3	5179.2	5224.2
35°	6923.4	6899.8	6603.7	6015.9	5655.4	5588.9	5503.1	5346.5	5200.6	5213.5
37.5°	7914.6	7841.7	7431.9	6578.0	5955.8	5786.3	5659.7	5447.3	5247.8	5209.2
40°	9032.4	8940.2	8489.6	7348.2	6406.4	6133.9	5930.1	5591.1	5325.0	5228.5
42.5°	10358.3	10227.4	9742.6	8255.8	6977.1	6582.3	6275.5	5773.5	5438.8	5290.7
45°	11986.7	11812.9	11126.4	9279.1	7695.8	7170.1	6760.4	6050.2	5612.5	5410.9
47.5°	13632.3	13675.2	12699.0	10450.6	8558.3	7895.3	7367.5	6466.4	5865.7	5604.0
50°	15380.8	15410.9	14263.1	11748.6	9536.6	8714.9	8049.8	6932.0	6217.6	5878.6
52.5°	16745.4	16749.7	15683.4	13106.7	10555.7	9616.0	8785.7	7464.1	6625.2	6243.3
55°	17599.3	17588.5	16678.9	14391.8	11727.1	10562.1	9601.0	8069.1	7122.9	6672.4
57.5°	18219.3	18187.1	17365.4	15496.7	12975.8	11679.9	10523.5	8755.6	7710.8	7183.0
60°	18455.3	18436.0	17831.0	16451.4	14288.8	12915.7	11587.7	9523.7	8378.0	7785.9
62.5°	18545.4	18581.9	18288.0	17376.1	15694.1	14284.5	12756.9	10442.0	9129.0	8468.2
65°	18862.9	18929.5	18869.4	18586.2	17281.7	15887.2	14308.1	11534.0	9948.5	9199.8
67.5°	19491.6	19558.1	19583.8	20034.4	19221.2	17884.6	16243.3	12894.3	10907.6	9959.3
70°	19476.5	19457.2	19912.1	21186.5	21649.9	20650.1	18852.2	14567.7	12051.1	10590.0
72.5°	17728.0	17573.5	18648.4	21173.6	23670.9	23537.9	22038.2	16726.1	13038.0	10667.3
75°	13299.7	12887.8	14786.6	19081.8	24007.8	25177.0	24063.6	18064.8	12804.1	9425.0
77.5°	5687.6	5273.6	7511.3	14125.8	21486.8	23535.8	22205.6	15760.6	10221.0	6232.6
80°	1489.0	1486.8	2269.9	6404.2	14612.8	17380.4	15247.8	10178.1	5840.0	2227.0
82.5°	615.7	600.7	834.6	2490.9	7140.1	9753.3	7959.7	4539.8	2109.0	602.9
85°	229.6	227.4	405.5	860.3	2518.8	4022.7	2911.4	1160.7	525.6	293.9
87.5°	64.4	62.2	88.0	298.2	613.6	931.1	497.7	190.9	148.0	115.9
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°
4625.6	0°	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6	4625.6
4634.2	2.5°	4640.6	4651.4	4670.7	4685.7	4705.0	4726.5	4756.5	4775.8	4795.1	4808.0
4644.9	5°	4660.0	4683.6	4732.9	4782.2	4840.2	4893.8	4956.0	5001.1	5037.6	5048.3
4683.6	7.5°	4702.9	4741.5	4825.2	4908.8	5001.1	5089.0	5179.2	5256.4	5318.6	5342.2
4752.2	10°	4778.0	4829.4	4947.4	5065.4	5187.7	5322.9	5438.8	5550.3	5638.3	5674.8
4833.7	12.5°	4872.4	4936.7	5091.2	5254.2	5423.7	5610.4	5760.6	5897.9	6007.3	6056.7
4947.4	15°	4994.6	5078.3	5275.7	5494.5	5743.4	6003.0	6194.0	6346.3	6468.6	6528.7
5065.4	17.5°	5127.7	5239.2	5488.1	5818.5	6174.7	6515.8	6738.9	6850.5	6977.1	7035.0
5174.9	20°	5256.4	5393.7	5749.9	6230.4	6704.6	7067.2	7247.4	7277.4	7286.0	7292.4
5277.8	22.5°	5389.4	5573.9	6078.1	6749.6	7258.1	7509.1	7534.9	7406.2	7225.9	7142.3
5378.7	25°	5535.3	5779.9	6507.2	7322.5	7734.4	7764.4	7567.1	7253.8	6912.7	6756.1
5460.2	27.5°	5676.9	6018.0	7022.1	7869.6	8077.7	7813.8	7389.0	6944.9	6532.9	6367.7
5518.1	30°	5818.5	6290.5	7590.7	8348.0	8234.3	7691.5	7107.9	6612.3	6198.3	6024.5
5569.6	32.5°	5962.3	6608.0	8245.0	8693.4	8206.4	7431.9	6758.2	6239.0	5874.3	5691.9
5614.7	35°	6125.3	6998.5	8865.1	8882.2	8019.8	7050.0	6296.9	5792.8	5475.2	5329.3
5668.3	37.5°	6337.7	7494.1	9412.2	8929.4	7693.6	6490.0	5724.1	5265.0	5003.2	4936.7
5747.7	40°	6601.6	8090.6	9830.5	8854.3	7210.9	5809.9	5097.6	4730.8	4582.7	4597.7
5855.0	42.5°	6944.9	8757.8	10124.5	8661.2	6539.4	5108.4	4548.4	4385.3	4456.1	4516.2
6015.9	45°	7391.1	9450.8	10306.8	8333.0	5779.9	4514.1	4224.4	4263.0	4316.7	4323.1
6275.5	47.5°	7961.8	10152.3	10427.0	7837.4	5005.4	4095.7	4018.5	4027.0	4016.3	3971.3
6663.8	50°	8674.1	10834.6	10534.2	7180.9	4346.7	3833.9	3731.0	3700.9	3552.9	3407.0
7180.9	52.5°	9485.1	11461.1	10579.3	6365.6	3833.9	3615.1	3447.8	3259.0	2982.2	2937.1
7831.0	55°	10386.2	12040.4	10463.4	5363.7	3402.7	3334.1	3080.9	2853.5	2823.4	2784.8
8687.0	57.5°	11463.2	12664.7	10227.4	4245.9	2960.7	3005.8	2759.1	2784.8	2731.2	2671.1
9787.6	60°	12641.1	13310.5	9813.4	3226.8	2503.8	2596.0	2675.4	2673.3	2658.2	2608.9
10948.3	62.5°	13700.9	13735.3	8998.1	2471.6	2102.6	2278.5	2495.2	2493.0	2480.2	2452.3
12160.5	65°	14331.7	13670.9	7637.9	1945.9	1772.2	2016.7	2250.6	2267.8	2269.9	2267.8
13072.3	67.5°	14220.2	12917.9	5771.3	1549.0	1499.7	1750.7	2008.2	2031.8	2048.9	2053.2
13188.2	70°	12958.6	11263.7	3763.1	1235.8	1257.2	1516.8	1778.6	1802.2	1817.2	1834.4
11443.9	72.5°	10100.9	8281.5	2154.0	999.8	1044.8	1315.2	1551.2	1579.1	1587.6	1619.8
7964.0	75°	6155.3	4870.2	1162.8	787.4	858.2	1124.2	1325.9	1358.1	1373.1	1411.7
3911.2	77.5°	2926.4	2109.0	662.9	613.6	690.8	918.3	1119.9	1156.4	1115.6	1137.1
1079.2	80°	989.1	783.1	418.4	467.7	527.8	716.6	896.8	933.3	847.5	843.2
358.3	82.5°	345.4	317.5	266.0	311.1	341.1	512.8	678.0	725.2	630.8	628.6
160.9	85°	135.2	128.7	148.0	169.5	203.8	315.4	446.3	469.9	388.3	313.2
47.2	87.5°	27.9	30.0	36.5	38.6	62.2	109.4	160.9	197.4	156.6	133.0
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°
4625.6
4799.4
5052.6
5344.4
5676.9
6056.7
6524.4
7032.8
7309.6
7165.9
6779.7
6387.1
6043.8
5715.5
5361.5
4983.9
4649.2
4572.0
4366.0
4005.6
3426.3
2952.2
2791.3
2660.4
2591.7
2441.5
2267.8
2057.5
1843.0
1632.7
1416.0
1119.9
834.6
598.6
308.9
122.3
0.0