

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: P943385

Luminaire Tested: **GLAN-SB7D-830-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-830-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64432 lumens
Efficiency: N/A
Efficacy: 125.6 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): 512.8
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

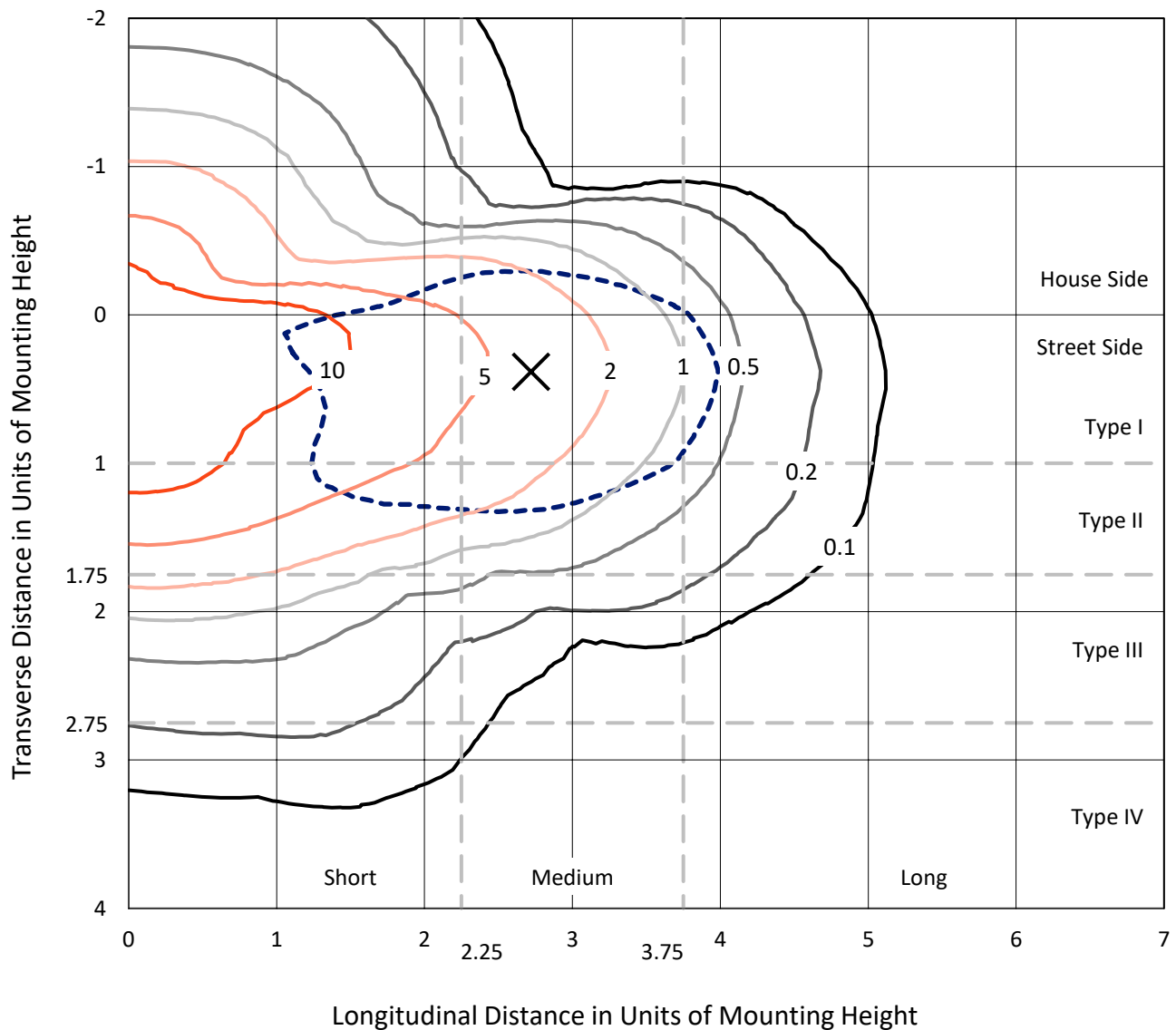


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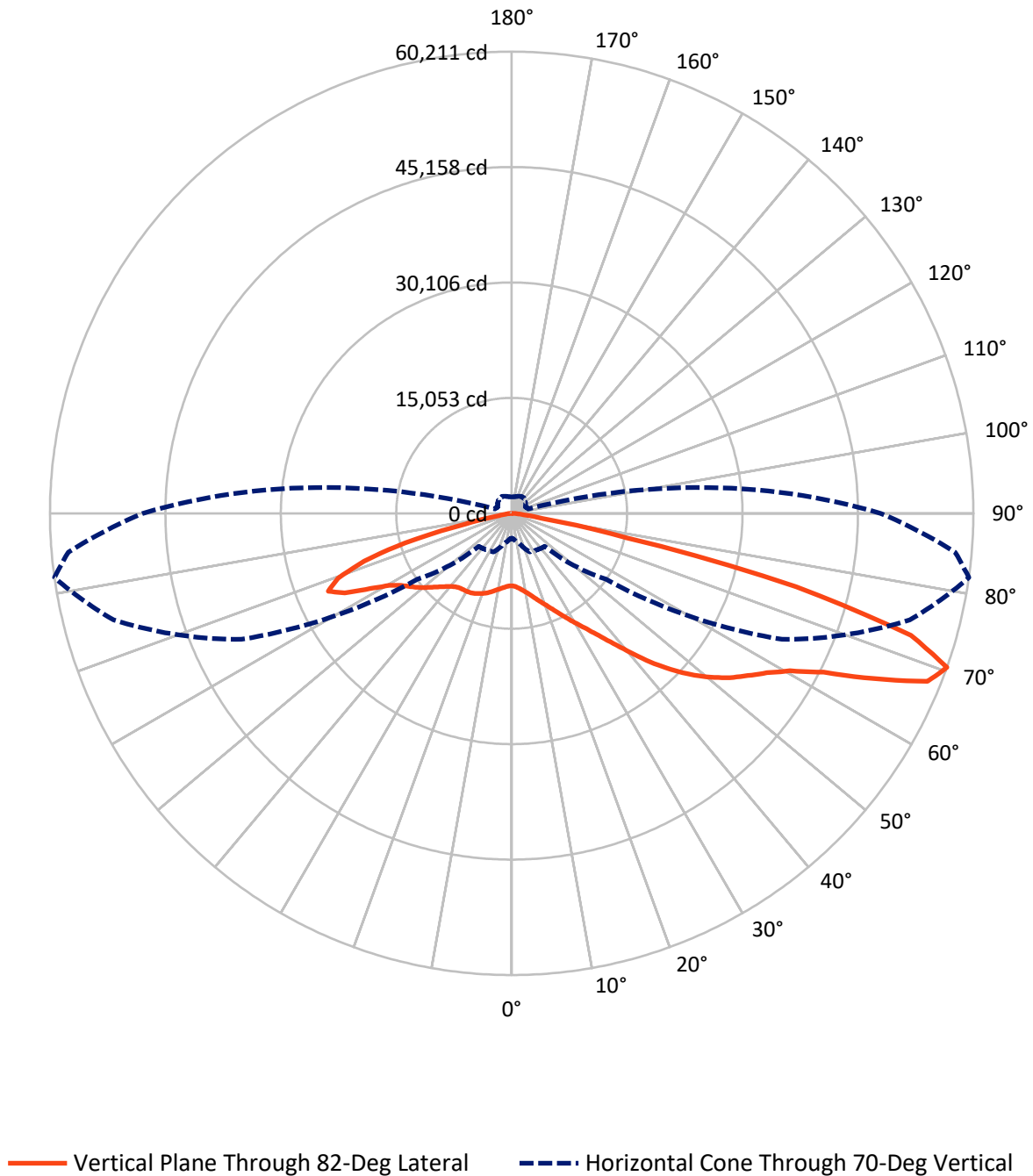
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15884.1	0.0	15884.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	48547.9	0.0	48547.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	64432.0	0.0	64432.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	891.9	1.4
10°-20°	2562.5	4.0
20°-30°	4286.9	6.7
30°-40°	6697.2	10.4
40°-50°	10666.1	16.6
50°-60°	14843.1	23.0
60°-70°	15526.6	24.1
70°-80°	8115.0	12.6
80°-90°	842.7	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°	64432.0	100.0
0°-180°	64432.0	100.0

Coefficient of Utilization



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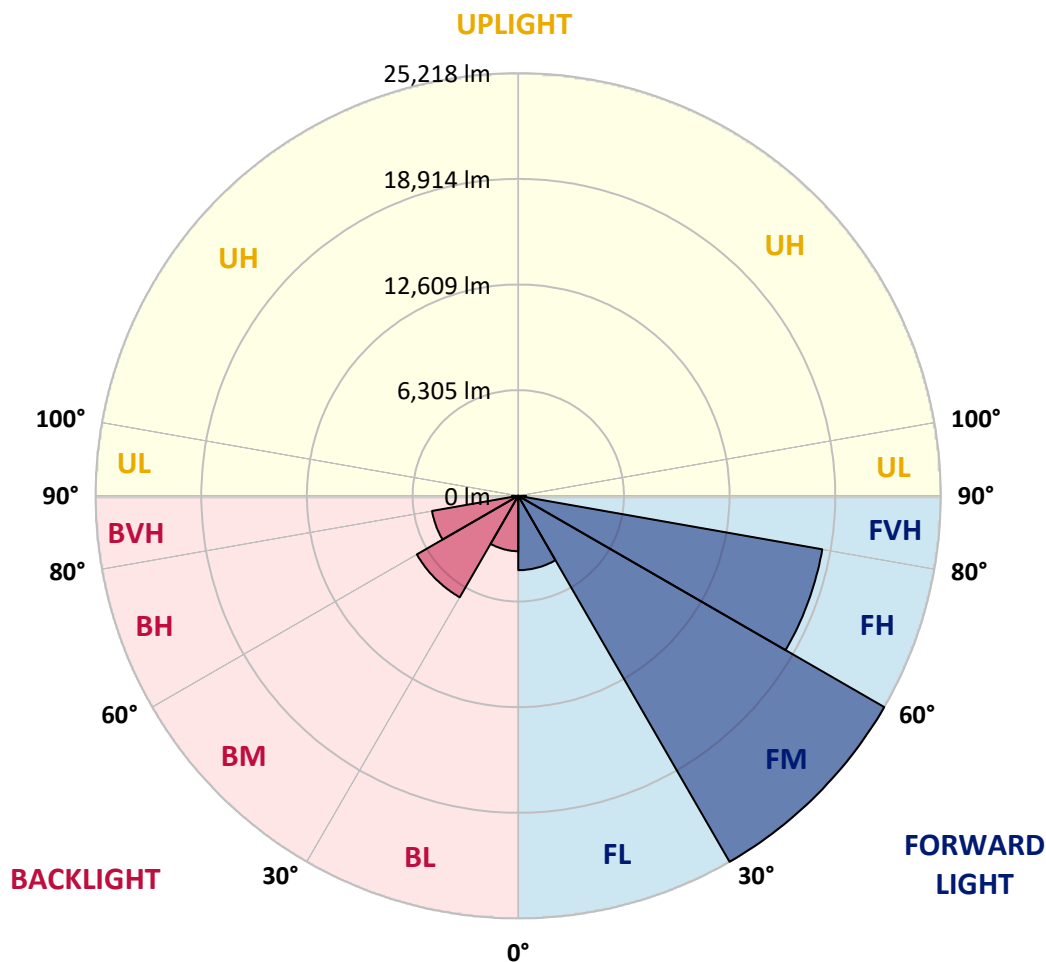
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4436.9	6.9			
FM	(30°-60°)	25218.0	39.1			
FH	(60°-80°)	18421.3	28.6			G5
FVH	(80°-90°)	471.7	0.7			G3/500
BL	(0°-30°)	3304.5	5.1	B4/5000		
BM	(30°-60°)	6988.4	10.8	B4/8500		
BH	(60°-80°)	5220.3	8.1	B5		G5
BVH	(80°-90°)	370.9	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°	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5
2.5°	9672.2	9726.9	9709.8	9692.7	9692.7	9668.8	9665.3	9631.2	9603.8	9559.4
5°	9795.3	9853.4	9846.6	9860.2	9904.7	9914.9	9925.2	9904.7	9850.0	9795.3
7.5°	9685.9	9750.8	9771.3	9853.4	9990.1	10113.2	10205.5	10243.2	10191.9	10113.2
10°	9316.6	9388.4	9460.2	9655.1	9897.8	10188.4	10434.6	10581.6	10571.4	10496.2
12.5°	8567.9	8643.1	8796.9	9176.4	9620.9	10133.7	10591.9	10899.6	11005.6	10950.9
15°	7969.6	8034.5	8150.8	8540.5	9118.3	9897.8	10650.0	11248.3	11518.4	11487.6
17.5°	7952.5	7979.8	8051.6	8236.2	8680.7	9528.6	10588.5	11590.2	12106.5	12103.1
20°	8253.3	8263.6	8304.6	8342.2	8595.2	9248.2	10431.2	11874.0	12766.3	12766.3
22.5°	8670.4	8663.6	8704.6	8670.4	8793.5	9224.3	10332.0	12123.6	13501.4	13556.1
25°	9296.1	9261.9	9251.7	9173.0	9197.0	9446.5	10441.4	12407.3	14373.2	14486.1
27.5°	10130.3	10075.6	10038.0	9856.8	9795.3	9904.7	10776.5	12749.2	15344.2	15539.1
30°	11217.5	11118.4	11063.7	10749.2	10526.9	10544.0	11282.5	13204.0	16359.6	16674.2
32.5°	12701.4	12547.5	12400.5	11884.2	11477.4	11344.0	11935.5	13833.0	17460.5	17963.1
35°	14363.0	14239.9	14082.6	13286.0	12660.3	12352.6	12817.6	14711.7	18749.5	19546.1
37.5°	15963.0	15857.1	15932.3	14858.7	14051.9	13604.0	13973.2	15891.2	20339.3	21515.4
40°	17617.8	17535.8	17546.0	16520.3	15580.1	15077.5	15375.0	17371.6	22161.6	23857.4
42.5°	19416.2	19354.6	19149.5	18240.1	17183.6	16715.2	16988.7	19081.1	24117.2	26524.2
45°	21429.9	21392.3	21200.9	20158.1	18947.8	18421.3	18790.5	20968.4	26083.1	29033.7
47.5°	23170.2	23200.9	23177.0	22298.3	21043.6	20270.9	20712.0	22937.7	27912.2	31392.7
50°	24007.8	24168.5	24404.4	24130.9	23351.4	22565.0	22650.5	24838.6	29655.9	33604.8
52.5°	23570.2	23874.5	24517.2	24954.9	25255.7	25091.6	24862.5	26725.9	31297.0	35601.4
55°	21939.4	22366.7	23433.4	24489.9	26025.0	27218.2	27519.1	28818.3	32897.1	37358.8
57.5°	18968.3	19662.3	20619.6	22756.5	25341.2	28247.3	30616.6	31720.9	34592.9	39235.8
60°	13874.1	14804.0	15993.8	19173.4	22947.9	27696.8	33252.6	36179.2	37003.2	41666.6
62.5°	8879.0	9453.4	10547.4	13542.4	17881.1	24876.2	34059.5	41752.1	41088.8	45653.1
65°	6078.9	6448.1	7449.9	9132.0	11559.4	18517.0	31898.7	45930.1	47578.0	51971.3
67.5°	4417.3	4697.6	5552.4	7025.9	7531.9	10957.7	24753.1	45738.6	53885.9	58481.0
70°	3220.6	3418.9	4136.9	5552.4	5795.1	6096.0	14995.5	38880.2	53749.2	60211.0
72.5°	2386.4	2523.2	3005.3	4307.9	4690.8	4116.4	7422.5	28257.6	46186.5	54460.3
75°	1726.6	1829.1	2184.7	3295.9	3754.0	3135.2	3702.7	16513.5	32216.7	38309.2
77.5°	1319.7	1398.3	1630.8	2413.8	3005.3	2352.2	2297.5	7596.9	15275.8	15351.0
80°	1059.9	1111.2	1237.7	1699.2	2304.4	1760.8	1497.5	3066.8	4827.5	4085.6
82.5°	779.5	865.0	1046.2	1193.2	1647.9	1213.7	912.9	1548.8	1836.0	1579.6
85°	444.5	502.6	632.5	854.7	1053.0	741.9	523.1	687.2	854.7	700.9
87.5°	157.3	205.1	222.2	335.1	458.1	307.7	201.7	198.3	280.4	208.6
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°
9446.5	0°	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5	9446.5
9549.1	2.5°	9514.9	9497.8	9429.4	9337.1	9241.4	9149.1	9118.3	9053.4	9008.9	8985.0
9771.3	5°	9706.4	9651.7	9491.0	9285.8	9070.5	8838.0	8673.9	8523.4	8414.0	8311.4
10075.6	7.5°	9979.9	9884.2	9607.2	9248.2	8865.3	8479.0	8191.8	7973.0	7826.0	7730.2
10431.2	10°	10297.9	10150.8	9726.9	9190.1	8598.6	8044.8	7706.3	7518.3	7425.9	7374.7
10838.0	12.5°	10663.7	10455.1	9850.0	9056.8	8191.8	7559.3	7326.8	7272.1	7275.5	7278.9
11350.9	15°	11115.0	10824.4	9949.1	8766.2	7661.8	7186.6	7145.6	7234.5	7326.8	7371.2
11932.1	17.5°	11624.4	11214.1	9966.2	8287.5	7142.2	6947.3	7077.2	7268.7	7408.8	7470.4
12581.7	20°	12171.4	11610.7	9843.1	7610.6	6714.8	6752.4	6984.9	7231.1	7384.9	7463.6
13323.6	22.5°	12797.1	12034.7	9549.1	6899.4	6366.1	6540.4	6814.0	7053.3	7214.0	7292.6
14195.4	25°	13511.7	12509.9	9087.5	6301.1	6065.2	6301.1	6574.6	6772.9	6902.8	6974.6
15169.8	27.5°	14304.9	13005.7	8472.1	5825.9	5801.9	6054.9	6280.6	6434.4	6502.8	6557.5
16205.8	30°	15101.5	13457.0	7726.8	5466.9	5572.9	5812.2	5972.9	6041.3	6061.8	6072.0
17361.4	32.5°	15963.0	13846.7	6943.9	5169.4	5354.1	5576.3	5672.0	5702.8	5607.1	5542.1
18763.2	35°	17005.8	14263.8	6178.0	4933.5	5138.7	5330.1	5360.9	5333.5	5220.7	5087.4
20520.5	37.5°	18294.8	14783.5	5566.0	4766.0	4937.0	5063.5	5025.8	5019.0	5029.3	4872.0
22633.4	40°	19874.3	15460.5	5118.2	4636.1	4772.8	4800.2	4694.2	4752.3	4803.6	4564.3
24951.4	42.5°	21628.2	16277.6	4834.4	4547.2	4636.1	4571.1	4407.0	4472.0	4465.1	4150.6
27279.7	45°	23416.3	17166.5	4735.2	4482.2	4509.6	4379.7	4198.5	4215.6	4072.0	3788.2
29512.3	47.5°	25194.2	18120.4	4796.8	4427.5	4352.3	4205.3	4065.1	3989.9	3777.9	3566.0
31652.6	50°	26937.8	19122.1	5022.4	4318.1	4136.9	4051.4	3948.9	3815.5	3589.9	3408.7
33676.6	52.5°	28555.0	20130.7	5275.4	4136.9	3866.8	3918.1	3853.1	3699.3	3477.1	3292.4
35591.2	55°	30086.7	21139.3	5374.6	3887.3	3613.8	3801.9	3764.3	3480.5	3213.8	3063.4
37594.7	57.5°	31755.1	22353.0	5265.2	3569.4	3408.7	3668.5	3524.9	3210.4	3056.5	2943.7
40203.3	60°	34066.3	24257.4	5029.3	3176.2	3213.8	3470.2	3224.1	3094.1	2926.6	2800.1
44114.6	62.5°	37905.8	27809.7	4649.8	2786.4	2984.7	3176.2	3080.5	2950.5	2779.6	2656.5
50802.1	65°	43581.3	32746.6	3935.2	2482.2	2728.3	2889.0	2926.6	2796.7	2618.9	2489.0
56662.1	67.5°	48367.8	35844.2	2977.9	2229.2	2465.1	2656.5	2762.5	2636.0	2448.0	2321.5
58033.1	70°	48104.5	33594.5	2273.6	1979.6	2232.6	2427.4	2564.2	2465.1	2263.3	2143.7
52713.2	72.5°	42726.5	28103.7	1839.4	1726.6	1996.7	2188.1	2352.2	2277.0	2071.9	1955.6
38617.0	75°	31389.3	19949.5	1470.1	1470.1	1702.6	1938.5	2119.7	2071.9	1883.8	1801.8
16212.6	77.5°	13231.3	8369.6	1152.2	1220.6	1415.4	1665.0	1890.7	1907.8	1743.7	1846.2
4287.4	80°	3518.1	2307.8	878.7	960.7	1111.2	1374.4	1644.5	1637.7	1459.9	1364.2
1593.2	82.5°	1340.2	909.4	625.7	677.0	803.5	1053.0	1302.6	1343.6	1165.9	1008.6
625.7	85°	516.3	389.8	386.3	406.9	468.4	697.5	984.7	1018.8	878.7	745.3
174.4	87.5°	133.3	116.2	143.6	136.8	215.4	372.7	564.1	584.6	536.8	311.1
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°
9446.5
9012.3
8352.5
7750.7
7388.3
7285.8
7367.8
7484.1
7484.1
7313.1
6995.2
6578.0
6096.0
5562.6
5094.2
4882.2
4571.1
4147.2
3798.4
3566.0
3395.0
3295.9
3049.7
2933.5
2793.3
2656.5
2495.8
2324.9
2153.9
1955.6
1777.8
1675.3
1268.4
1008.6
769.3
444.5
0.0