

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: P943202

Luminaire Tested: **GLAN-SB7C-827-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943202
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-SB7C-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 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: 45909 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 350.5
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



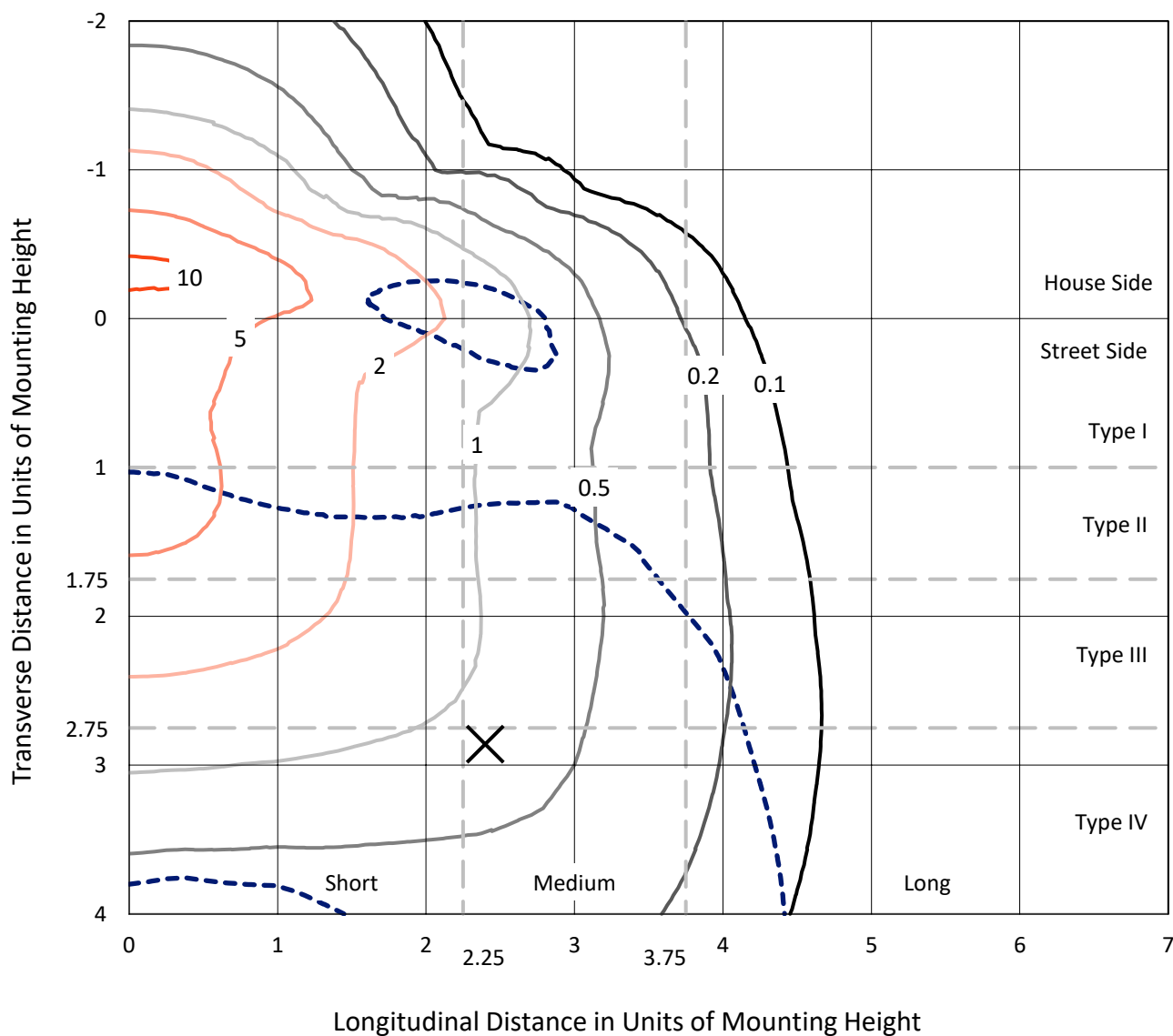
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

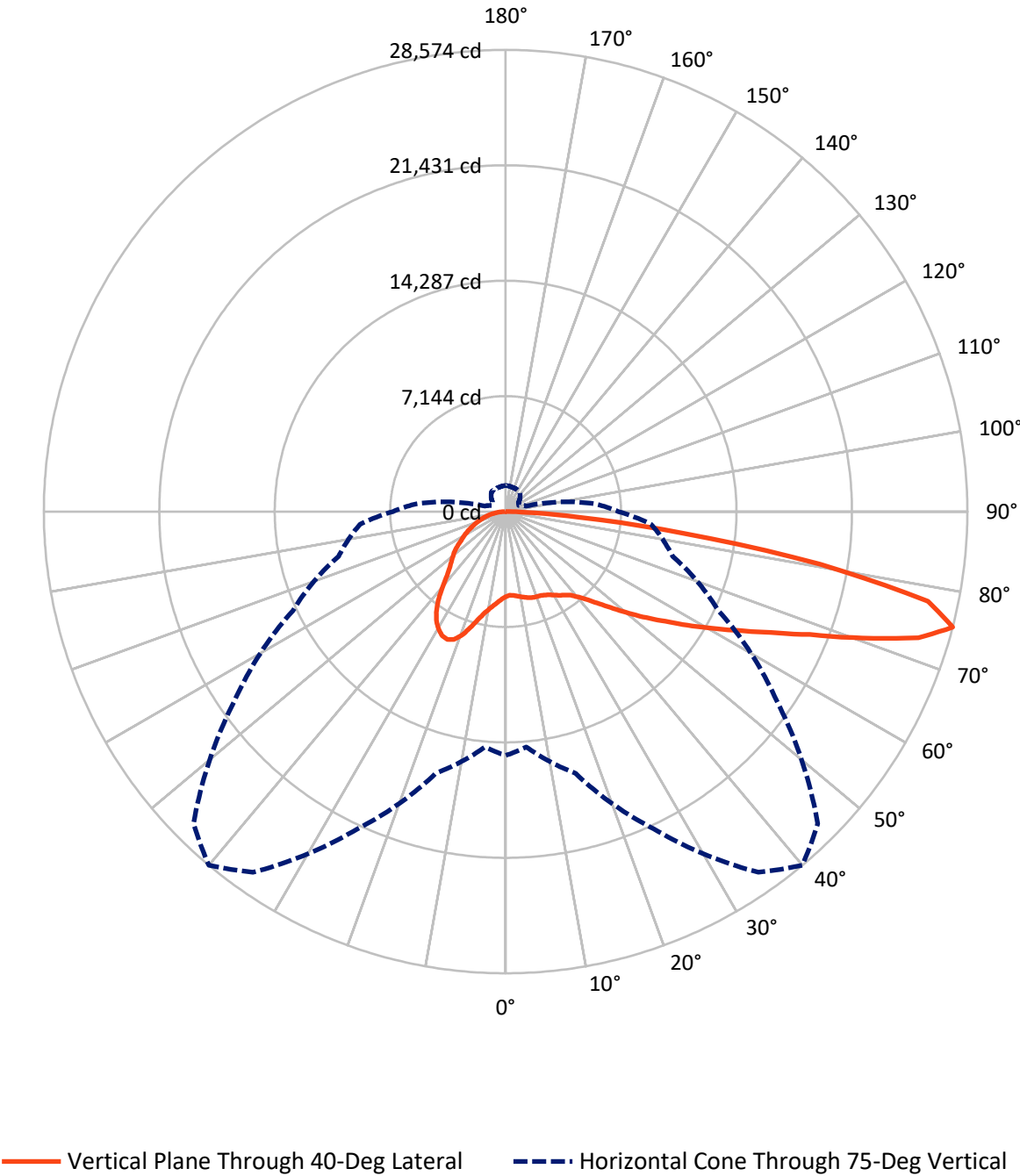
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	14224.1	0.0	14224.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	31684.9	0.0	31684.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	45909.0	0.0	45909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.0	1.1
10°-20°	1759.4	3.8
20°-30°	3212.5	7.0
30°-40°	4556.2	9.9
40°-50°	6152.3	13.4
50°-60°	8276.5	18.0
60°-70°	10504.7	22.9
70°-80°	9533.7	20.8
80°-90°	1389.7	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°	45909.0	100.0
0°-180°	45909.0	100.0

Coefficient of Utilization



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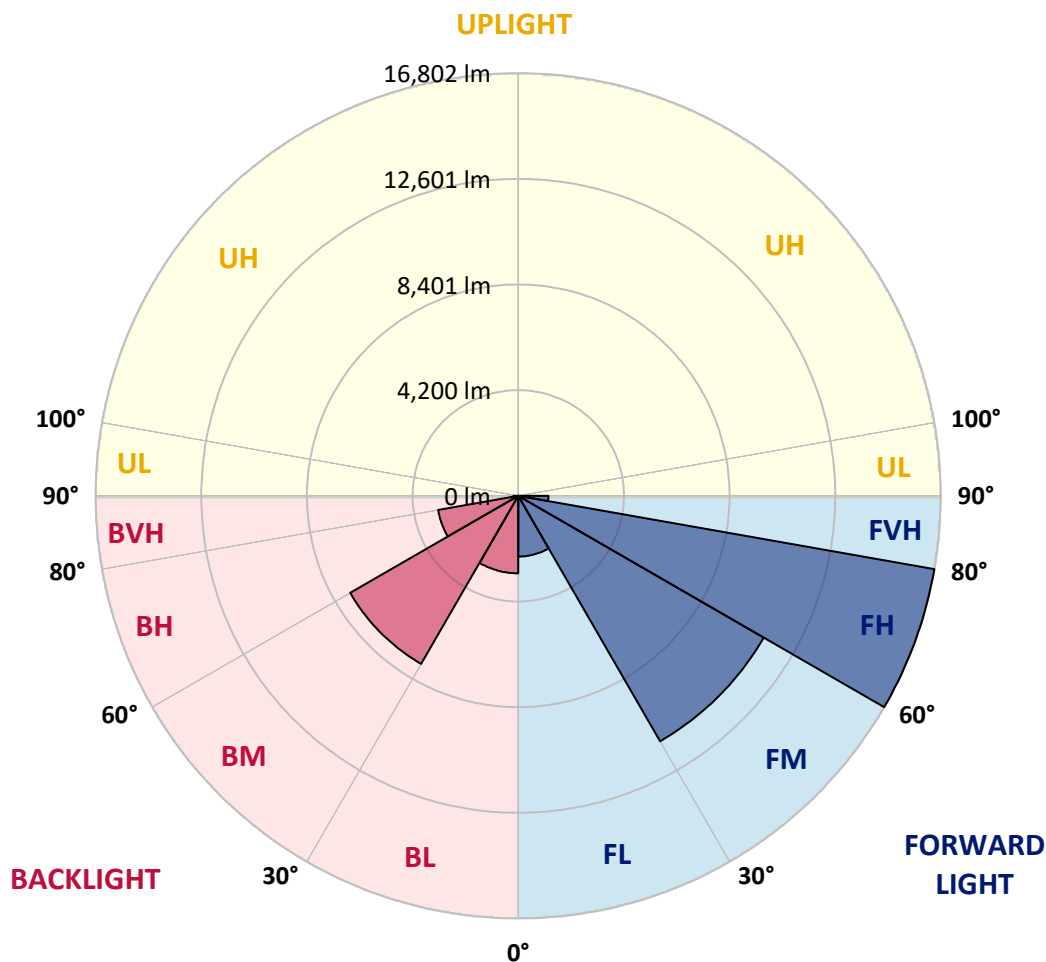
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2414.9	5.3			
FM	(30°-60°)	11269.6	24.5			
FH	(60°-80°)	16802.0	36.6			G5
FVH	(80°-90°)	1198.4	2.6			G5
BL	(0°-30°)	3081.1	6.7	B4/5000		
BM	(30°-60°)	7715.3	16.8	B4/8500		
BH	(60°-80°)	3236.4	7.0	B4/5000		G4/5000
BVH	(80°-90°)	191.3	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°	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8
2.5°	5169.4	5198.6	5191.3	5181.6	5181.6	5184.0	5181.6	5198.6	5215.7	5232.7
5°	5223.0	5252.2	5237.6	5225.4	5215.7	5213.2	5205.9	5203.5	5213.2	5235.1
7.5°	5327.7	5356.9	5335.0	5313.1	5293.6	5283.8	5274.1	5259.5	5252.2	5264.4
10°	5444.6	5473.8	5447.0	5408.0	5376.4	5364.2	5354.5	5339.8	5330.1	5337.4
12.5°	5561.4	5590.6	5554.1	5500.6	5459.2	5451.9	5439.7	5434.8	5432.4	5429.9
15°	5671.0	5695.4	5649.1	5585.8	5541.9	5529.8	5517.6	5524.9	5537.1	5551.7
17.5°	5756.2	5780.6	5712.4	5629.6	5588.2	5583.3	5576.0	5600.4	5634.5	5671.0
20°	5834.1	5858.5	5770.8	5658.8	5610.1	5610.1	5612.6	5663.7	5712.4	5766.0
22.5°	5943.7	5963.2	5856.1	5702.7	5632.0	5636.9	5656.4	5707.5	5768.4	5841.4
25°	6106.9	6121.5	5990.0	5785.4	5705.1	5719.7	5736.7	5761.1	5819.5	5904.8
27.5°	6369.8	6382.0	6209.1	5931.5	5809.8	5834.1	5858.5	5841.4	5868.2	5941.3
30°	6739.9	6747.3	6528.1	6160.4	5987.5	5999.7	6004.6	5934.0	5882.8	5941.3
32.5°	7178.2	7175.8	6915.3	6438.0	6189.6	6177.5	6136.1	5997.3	5878.0	5929.1
35°	7857.6	7830.8	7494.8	6827.6	6418.5	6343.0	6245.7	6067.9	5902.3	5916.9
37.5°	8982.5	8899.7	8434.7	7465.6	6759.4	6567.1	6423.4	6182.3	5955.9	5912.1
40°	10251.1	10146.4	9635.1	8339.7	7270.8	6961.5	6730.2	6345.5	6043.5	5934.0
42.5°	11755.9	11607.4	11057.1	9369.7	7918.5	7470.4	7122.2	6552.5	6172.6	6004.6
45°	13604.1	13406.8	12627.7	10531.2	8734.2	8137.6	7672.5	6866.6	6369.8	6140.9
47.5°	15471.7	15520.4	14412.5	11860.6	9713.0	8960.6	8361.6	7338.9	6657.2	6360.1
50°	17456.2	17490.3	16187.6	13333.8	10823.4	9890.8	9135.9	7867.3	7056.5	6671.8
52.5°	19004.8	19009.7	17799.5	14875.1	11980.0	10913.5	9971.1	8471.2	7519.1	7085.7
55°	19973.9	19961.7	18929.3	16333.7	13309.4	11987.3	10896.4	9157.9	8084.0	7572.7
57.5°	20677.6	20641.1	19708.5	17587.7	14726.6	13255.9	11943.4	9937.0	8751.2	8152.2
60°	20945.5	20923.5	20236.9	18671.2	16216.8	14658.4	13151.2	10808.7	9508.5	8836.4
62.5°	21047.7	21089.1	20755.5	19720.7	17811.7	16211.9	14478.2	11850.9	10360.7	9610.8
65°	21408.1	21483.6	21415.4	21094.0	19613.5	18030.8	16238.7	13090.3	11290.9	10441.1
67.5°	22121.5	22197.0	22226.2	22737.6	21814.7	20297.8	18435.0	14634.1	12379.3	11303.0
70°	22104.5	22082.6	22598.8	24045.1	24571.1	23436.4	21395.9	16533.3	13677.1	12018.9
72.5°	20120.0	19944.7	21164.6	24030.5	26864.8	26713.9	25011.8	18982.9	14797.2	12106.6
75°	15094.3	14626.8	16781.7	21656.5	27247.1	28574.2	27310.4	20502.3	14531.8	10696.7
77.5°	6455.1	5985.1	8524.8	16031.7	24386.0	26711.4	25201.7	17887.2	11600.1	7073.5
80°	1689.9	1687.4	2576.2	7268.3	16584.5	19725.5	17305.2	11551.4	6627.9	2527.5
82.5°	698.8	681.8	947.2	2827.0	8103.5	11069.3	9033.7	5152.4	2393.6	684.2
85°	260.5	258.1	460.2	976.4	2858.6	4565.5	3304.2	1317.3	596.6	333.6
87.5°	73.0	70.6	99.8	338.5	696.4	1056.8	564.9	216.7	168.0	131.5
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°
5249.8	0°	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8	5249.8
5259.5	2.5°	5266.8	5279.0	5300.9	5317.9	5339.8	5364.2	5398.3	5420.2	5442.1	5456.7
5271.7	5°	5288.7	5315.5	5371.5	5427.5	5493.3	5554.1	5624.7	5675.9	5717.3	5729.4
5315.5	7.5°	5337.4	5381.2	5476.2	5571.2	5675.9	5775.7	5878.0	5965.6	6036.2	6063.0
5393.4	10°	5422.6	5481.1	5615.0	5748.9	5887.7	6041.1	6172.6	6299.2	6399.1	6440.4
5485.9	12.5°	5529.8	5602.8	5778.1	5963.2	6155.6	6367.4	6537.8	6693.7	6817.9	6873.9
5615.0	15°	5668.6	5763.5	5987.5	6235.9	6518.4	6813.0	7029.7	7202.6	7341.4	7409.6
5748.9	17.5°	5819.5	5946.2	6228.6	6603.6	7007.8	7394.9	7648.2	7774.8	7918.5	7984.2
5873.1	20°	5965.6	6121.5	6525.7	7071.1	7609.2	8020.7	8225.3	8259.4	8269.1	8276.4
5990.0	22.5°	6116.6	6326.0	6898.2	7660.4	8237.4	8522.3	8551.5	8405.5	8200.9	8106.0
6104.4	25°	6282.2	6559.8	7385.2	8310.5	8778.0	8812.1	8588.1	8232.6	7845.4	7667.7
6197.0	27.5°	6442.9	6830.0	7969.6	8931.4	9167.6	8868.1	8386.0	7881.9	7414.4	7226.9
6262.7	30°	6603.6	7139.3	8614.9	9474.4	9345.3	8729.3	8067.0	7504.5	7034.6	6837.3
6321.1	32.5°	6766.7	7499.7	9357.5	9866.4	9313.7	8434.7	7670.1	7080.8	6666.9	6459.9
6372.3	35°	6951.8	7942.8	10061.2	10080.7	9101.8	8001.3	7146.6	6574.4	6214.0	6048.4
6433.1	37.5°	7192.8	8505.3	10682.1	10134.3	8731.7	7365.7	6496.5	5975.4	5678.3	5602.8
6523.2	40°	7492.3	9182.2	11156.9	10049.0	8183.9	6593.8	5785.4	5369.1	5201.1	5218.1
6645.0	42.5°	7881.9	9939.5	11490.5	9829.9	7421.7	5797.6	5162.1	4977.0	5057.4	5125.6
6827.6	45°	8388.4	10726.0	11697.5	9457.4	6559.8	5123.1	4794.4	4838.2	4899.1	4906.4
7122.2	47.5°	9036.1	11522.2	11833.9	8894.9	5680.7	4648.3	4560.7	4570.4	4558.2	4507.1
7563.0	50°	9844.5	12296.5	11955.6	8149.8	4933.2	4351.3	4234.4	4200.3	4032.3	3866.7
8149.8	52.5°	10764.9	13007.5	12006.7	7224.5	4351.3	4102.9	3913.0	3698.7	3384.6	3333.4
8887.6	55°	11787.6	13664.9	11875.3	6087.4	3861.8	3783.9	3496.6	3238.5	3204.4	3160.6
9859.1	57.5°	13009.9	14373.5	11607.4	4818.8	3360.2	3411.4	3131.3	3160.6	3099.7	3031.5
11108.2	60°	14346.7	15106.4	11137.5	3662.2	2841.6	2946.3	3036.4	3033.9	3016.9	2960.9
12425.6	62.5°	15549.6	15588.6	10212.2	2805.1	2386.3	2585.9	2831.8	2829.4	2814.8	2783.1
13801.3	65°	16265.5	15515.5	8668.4	2208.5	2011.3	2288.9	2554.3	2573.7	2576.2	2573.7
14836.2	67.5°	16138.9	14660.8	6550.0	1758.0	1702.0	1986.9	2279.1	2305.9	2325.4	2330.2
14967.6	70°	14707.1	12783.5	4270.9	1402.5	1426.9	1721.5	2018.6	2045.4	2062.4	2081.9
12988.0	72.5°	11463.8	9398.9	2444.7	1134.7	1185.8	1492.6	1760.5	1792.1	1801.9	1838.4
9038.5	75°	6985.9	5527.3	1319.7	893.6	974.0	1275.9	1504.8	1541.3	1558.4	1602.2
4438.9	77.5°	3321.3	2393.6	752.4	696.4	784.1	1042.2	1271.0	1312.4	1266.2	1290.5
1224.8	80°	1122.5	888.8	474.8	530.8	599.0	813.3	1017.8	1059.2	961.8	956.9
406.6	82.5°	392.0	360.4	301.9	353.1	387.2	582.0	769.4	823.0	715.9	713.4
182.6	85°	153.4	146.1	168.0	192.4	231.3	357.9	506.5	533.3	440.7	355.5
53.6	87.5°	31.7	34.1	41.4	43.8	70.6	124.2	182.6	224.0	177.8	151.0
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°
5249.8
5447.0
5734.3
6065.5
6442.9
6873.9
7404.7
7981.8
8295.9
8132.7
7694.4
7248.9
6859.3
6486.7
6084.9
5656.4
5276.5
5188.9
4955.1
4546.1
3888.6
3350.5
3167.9
3019.3
2941.4
2771.0
2573.7
2335.1
2091.6
1853.0
1607.1
1271.0
947.2
679.4
350.6
138.8
0.0