

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: P944227

Luminaire Tested: **GLAN-SB9A-827-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35553 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 255.5
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



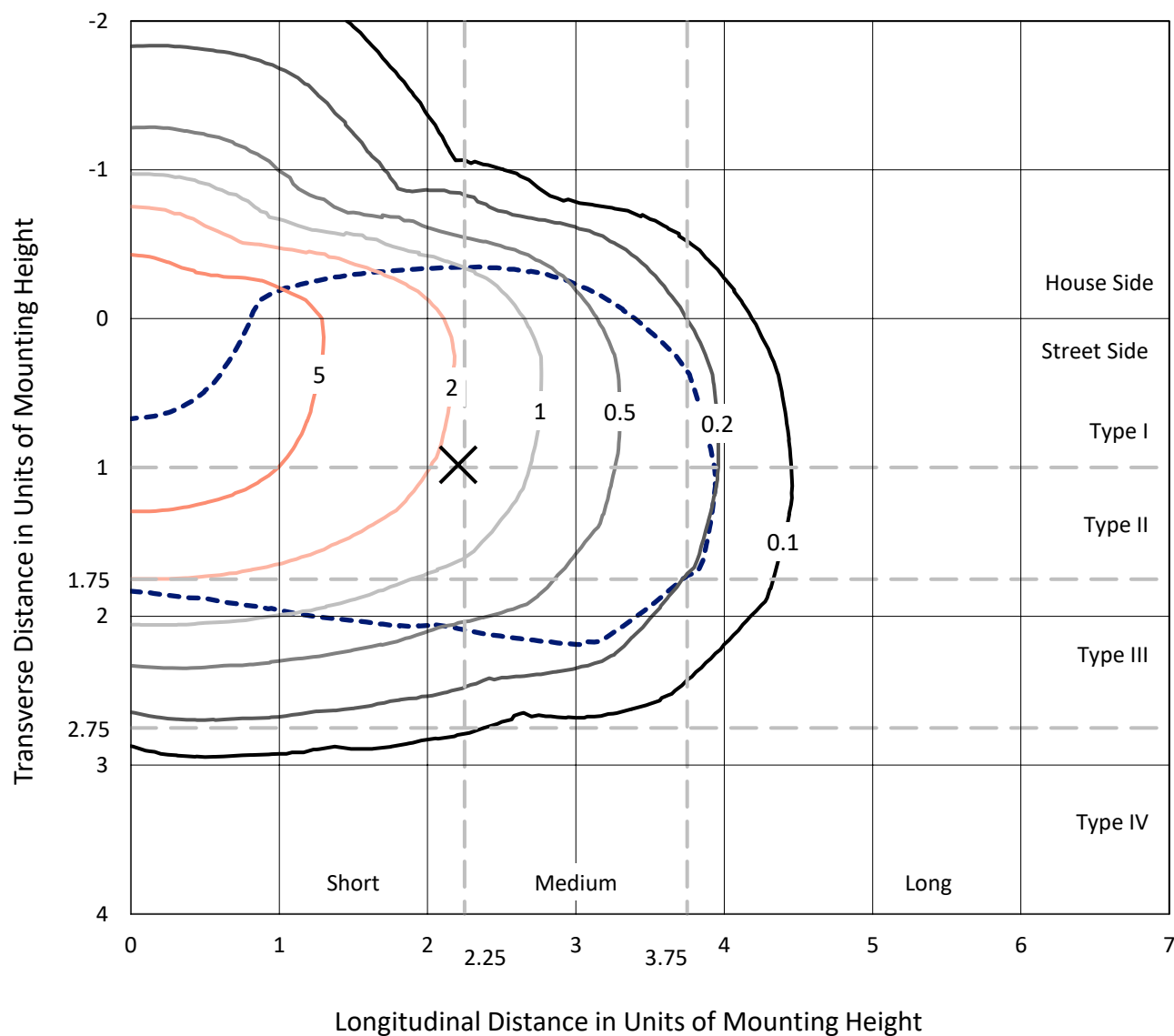
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



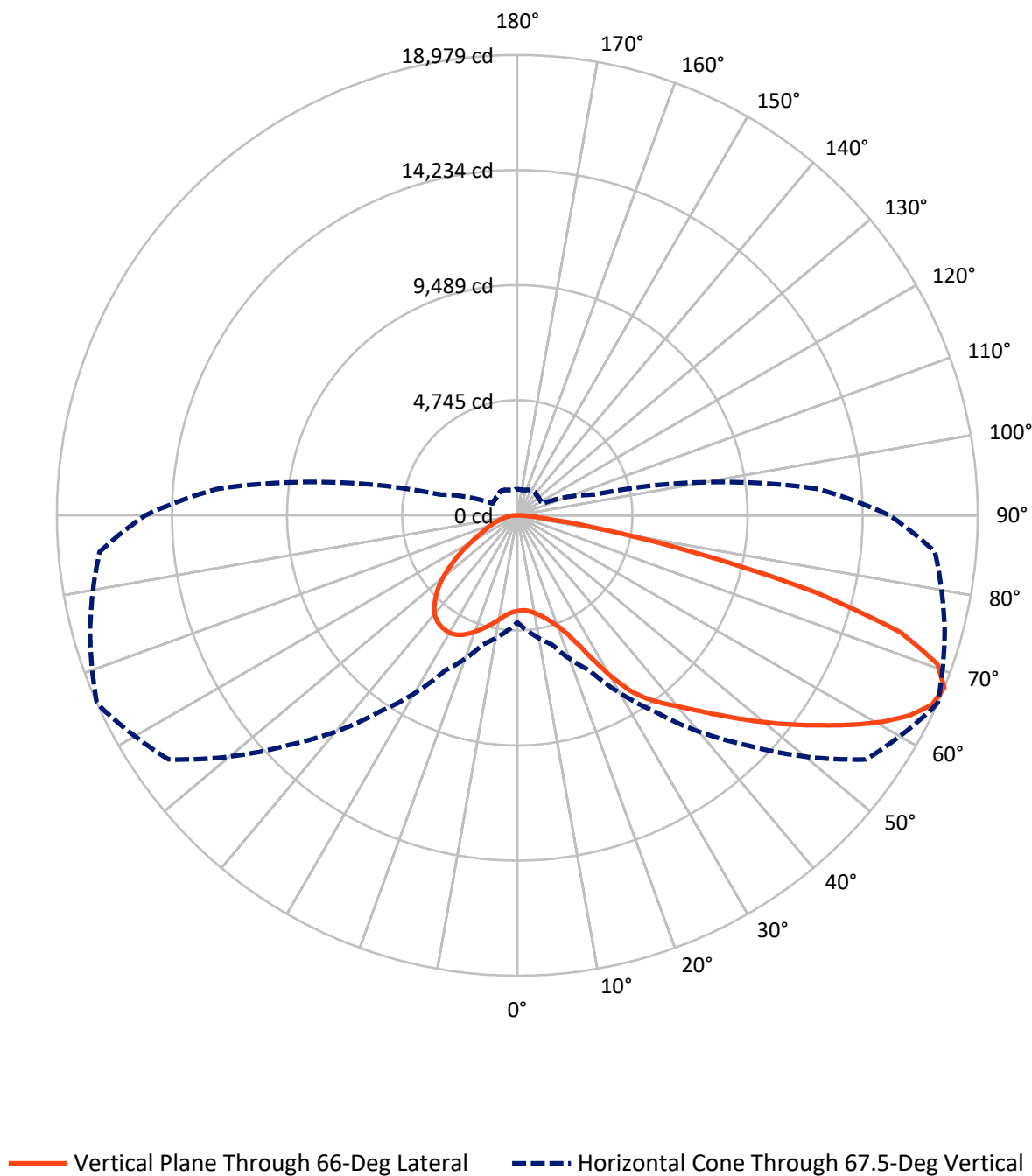
Based on 25 foot mounting height. Maximum calculated value = 8.9 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8840.1	0.0	8840.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	26712.8	0.0	26712.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	35553.0	0.0	35553.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.0	1.1
10°-20°	1291.7	3.6
20°-30°	2489.7	7.0
30°-40°	4365.3	12.3
40°-50°	6489.7	18.3
50°-60°	8226.4	23.1
60°-70°	8049.3	22.6
70°-80°	3839.6	10.8
80°-90°	410.3	1.2
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°	35553.0	100.0
0°-180°	35553.0	100.0

Coefficient of Utilization



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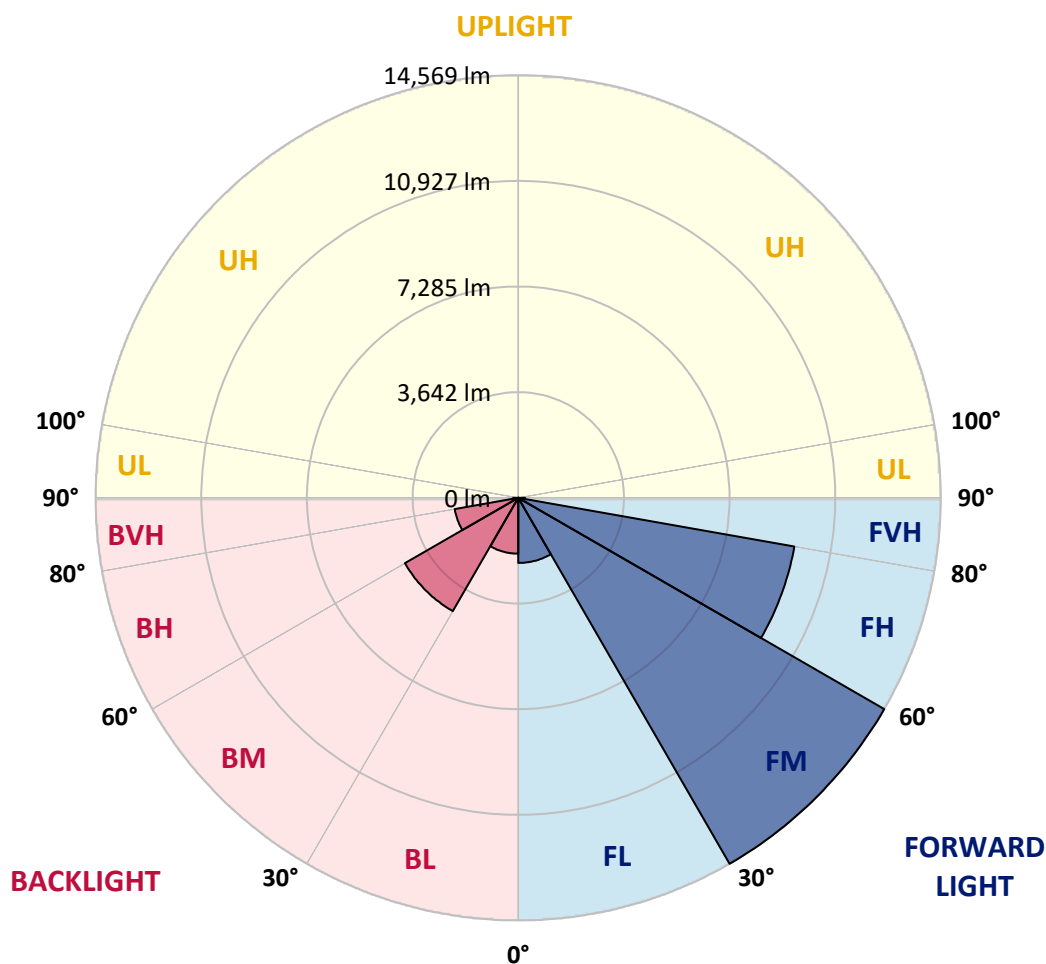
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2246.6	6.3			
FM	(30°-60°)	14569.3	41.0			
FH	(60°-80°)	9664.3	27.2			G4/12000
FVH	(80°-90°)	232.7	0.7			G3/500
BL	(0°-30°)	1925.7	5.4	B3/2500		
BM	(30°-60°)	4512.1	12.7	B3/5000		
BH	(60°-80°)	2224.6	6.3	B3/2500		G3/2500
BVH	(80°-90°)	177.7	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3
2.5°	3902.2	3924.6	3919.0	3909.7	3907.8	3911.5	3917.1	3922.7	3920.9	3930.2
5°	3891.0	3913.4	3911.5	3911.5	3919.0	3934.0	3943.3	3952.6	3943.3	3954.5
7.5°	3898.5	3915.3	3922.7	3930.2	3948.9	3976.9	3999.3	4019.9	4008.7	4021.8
10°	3993.7	4006.8	4014.3	4014.3	4027.4	4059.1	4081.5	4118.9	4109.5	4130.1
12.5°	4167.5	4180.5	4180.5	4173.1	4182.4	4202.9	4210.4	4251.5	4234.7	4268.3
15°	4380.4	4406.6	4386.0	4372.9	4376.7	4397.2	4395.3	4427.1	4410.3	4438.3
17.5°	4615.8	4649.4	4615.8	4613.9	4606.4	4628.8	4630.7	4658.7	4628.8	4649.4
20°	4894.1	4940.8	4912.8	4922.1	4905.3	4914.6	4924.0	4965.1	4918.4	4933.3
22.5°	5286.4	5342.4	5312.5	5348.0	5336.8	5329.3	5327.5	5400.3	5327.5	5333.1
25°	5858.0	5925.2	5872.9	5921.5	5921.5	5945.8	5973.8	6067.2	5945.8	5910.3
27.5°	6702.3	6769.5	6666.8	6696.7	6687.4	6747.1	6717.2	6948.9	6818.1	6760.2
30°	7718.5	7838.0	7643.8	7636.3	7626.9	7722.2	7765.2	7918.4	7785.7	7727.8
32.5°	8816.8	8942.0	8710.4	8643.1	8607.6	8665.5	8630.0	8753.3	8661.8	8572.1
35°	9978.7	10102.0	9881.6	9750.8	9608.9	9487.5	9360.4	9392.2	9306.3	9169.9
37.5°	11077.1	11303.1	11069.6	10929.5	10668.0	10430.8	10075.9	9928.3	9848.0	9722.8
40°	12196.0	12324.9	12147.4	12027.9	11744.0	11372.2	10804.4	10492.4	10384.1	10262.7
42.5°	13019.8	13143.1	13047.8	12965.6	12743.3	12311.8	11577.7	11187.3	11030.4	10894.0
45°	13673.6	13765.1	13705.3	13735.2	13640.0	13221.5	12379.1	11932.6	11770.1	11603.9
47.5°	13937.0	14034.1	14129.4	14306.8	14469.3	14161.1	13240.2	12739.6	12567.7	12397.8
50°	13907.1	14006.1	14282.5	14659.9	15164.2	15061.5	14148.1	13598.9	13440.1	13245.8
52.5°	13668.0	13780.1	14135.0	14762.6	15565.8	15735.8	15072.7	14486.2	14336.7	14105.1
55°	13040.3	13107.6	13640.0	14529.1	15661.1	16206.6	15978.7	15431.4	15281.9	14958.8
57.5°	11876.6	11973.7	12748.9	13899.6	15422.0	16526.0	16774.4	16425.1	16281.3	15816.2
60°	10357.9	10513.0	11400.3	12842.3	14813.1	16524.1	17497.3	17402.1	17282.5	16660.5
62.5°	8639.4	8818.7	9672.4	11348.0	13748.3	16055.3	17949.4	18220.2	18158.6	17439.4
65°	6635.1	6758.3	7608.3	9414.6	12091.4	15048.4	18001.7	18778.8	18790.0	18031.6
67.5°	4417.8	4772.7	5510.5	7064.7	9872.3	13402.7	17542.2	18870.3	18978.6	18235.2
70°	2155.6	2622.6	3345.5	4591.5	7064.7	10879.1	16341.1	18119.4	18360.3	17641.2
72.5°	894.8	1046.1	1440.2	2265.9	4055.4	7341.1	13927.6	16083.3	16529.7	15631.2
75°	603.4	653.8	823.8	1161.9	1847.4	3620.1	10044.1	11992.4	12711.6	11805.6
77.5°	465.1	496.9	599.6	812.6	1098.4	1369.2	5376.0	7227.2	7598.9	7034.8
80°	366.1	390.4	448.3	592.1	778.9	732.2	1832.5	3274.6	3489.4	2927.1
82.5°	317.6	326.9	321.3	401.6	517.4	427.8	601.5	1208.6	1333.7	967.6
85°	229.8	255.9	267.1	248.4	274.6	216.7	246.6	427.8	470.7	420.3
87.5°	93.4	138.2	170.0	160.6	100.9	61.6	76.6	125.2	143.8	156.9
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°
3943.3	0°	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3	3943.3
3945.2	2.5°	3947.0	3960.1	3969.4	3980.7	3988.1	3999.3	4021.8	4034.8	4036.7	4046.0
3975.1	5°	3982.5	4001.2	4021.8	4051.6	4085.3	4113.3	4156.2	4186.1	4197.3	4206.7
4047.9	7.5°	4059.1	4085.3	4122.6	4174.9	4223.5	4260.9	4313.2	4348.6	4384.1	4397.2
4163.7	10°	4173.1	4210.4	4264.6	4335.6	4387.9	4436.4	4490.6	4520.5	4556.0	4570.9
4301.9	12.5°	4315.0	4354.3	4425.2	4524.2	4572.8	4606.4	4625.1	4617.6	4625.1	4638.2
4468.2	15°	4477.5	4520.5	4600.8	4707.3	4740.9	4711.0	4669.9	4632.6	4627.0	4630.7
4669.9	17.5°	4669.9	4701.7	4795.1	4884.8	4860.5	4737.2	4647.5	4587.7	4557.9	4548.5
4927.7	20°	4938.9	4938.9	5015.5	5071.6	4909.0	4699.8	4559.7	4462.6	4401.0	4374.8
5278.9	22.5°	5265.8	5235.9	5284.5	5245.3	4899.7	4595.2	4401.0	4232.8	4139.4	4102.1
5770.2	25°	5680.5	5645.0	5631.9	5389.1	4832.5	4429.0	4113.3	3909.7	3827.5	3806.9
6478.1	27.5°	6306.3	6216.6	6046.6	5467.6	4709.2	4167.5	3777.0	3588.4	3541.7	3543.6
7387.8	30°	7139.4	6960.1	6543.5	5480.6	4507.4	3797.6	3433.3	3298.8	3276.4	3285.8
8151.8	32.5°	7910.9	7740.9	7051.6	5420.9	4197.3	3435.2	3125.1	3035.5	3001.8	3013.0
8734.7	35°	8516.1	8469.4	7522.3	5336.8	3816.3	3095.2	2848.7	2772.1	2706.7	2691.8
9283.8	37.5°	9087.7	9069.0	7875.4	5219.1	3438.9	2854.3	2626.4	2525.5	2430.2	2377.9
9890.9	40°	9715.3	9696.7	8107.0	5037.9	3104.6	2645.1	2426.5	2293.9	2176.2	2080.9
10578.3	42.5°	10421.4	10311.2	8217.2	4778.3	2820.6	2467.6	2264.0	2084.7	1929.6	1841.8
11355.4	45°	11192.9	10944.5	8215.4	4447.7	2581.5	2305.1	2090.3	1836.2	1692.4	1610.2
12153.1	47.5°	12011.1	11549.7	8114.5	4081.5	2349.9	2125.8	1821.3	1627.0	1531.7	1481.3
13019.8	50°	12855.4	12115.7	7942.6	3661.2	2112.7	1922.1	1653.2	1520.5	1447.7	1401.0
13879.1	52.5°	13649.3	12629.4	7735.3	3184.9	1871.7	1724.1	1578.4	1475.7	1399.1	1346.8
14712.2	55°	14387.2	13072.1	7442.0	2697.4	1675.6	1591.5	1542.9	1457.0	1369.2	1307.6
15558.4	57.5°	15042.8	13359.8	6935.8	2239.7	1535.5	1500.0	1505.6	1425.3	1324.4	1272.1
16391.5	60°	15588.3	13570.8	6186.7	1815.7	1421.5	1410.3	1447.7	1365.5	1247.8	1188.0
17095.7	62.5°	15915.2	13567.1	5267.7	1486.9	1324.4	1328.1	1371.1	1290.8	1171.2	1115.2
17463.7	65°	15887.1	13234.6	4259.0	1272.1	1231.0	1234.7	1290.8	1208.6	1107.7	1074.1
17278.8	67.5°	15324.9	12423.9	3267.1	1132.0	1128.3	1145.1	1210.4	1152.5	1068.5	1064.7
16176.7	70°	13802.5	10740.9	2353.6	1019.9	1021.8	1046.1	1132.0	1117.0	1047.9	1055.4
13600.7	72.5°	11067.8	8189.2	1580.3	902.2	904.1	943.3	1057.3	1089.0	1027.4	1126.4
9650.0	75°	7371.0	5107.0	1016.2	777.1	778.9	829.4	991.9	1034.9	971.3	1122.7
5021.1	77.5°	3541.7	2295.7	736.0	653.8	653.8	700.5	857.4	926.5	827.5	872.3
1613.9	80°	1223.5	863.0	579.1	526.8	515.6	547.3	722.9	803.2	713.6	657.5
526.8	82.5°	481.9	448.3	465.1	409.1	371.7	392.3	562.3	663.1	524.9	474.5
297.0	85°	276.5	291.4	328.8	270.9	214.8	241.0	412.8	476.3	396.0	349.3
97.1	87.5°	74.7	102.7	151.3	140.1	97.1	102.7	196.1	263.4	227.9	175.6
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°
3943.3
4044.2
4204.8
4399.1
4578.4
4641.9
4643.8
4561.6
4369.2
4096.5
3810.7
3549.2
3317.5
3028.0
2703.0
2379.8
2090.3
1847.4
1606.5
1470.1
1384.2
1324.4
1283.3
1238.5
1161.9
1098.4
1072.2
1070.4
1053.5
1141.3
1132.0
799.5
616.4
472.6
356.8
181.2
0.0