

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: P951419

Luminaire Tested: **GLAN-SB5C-827-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-827-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33337 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

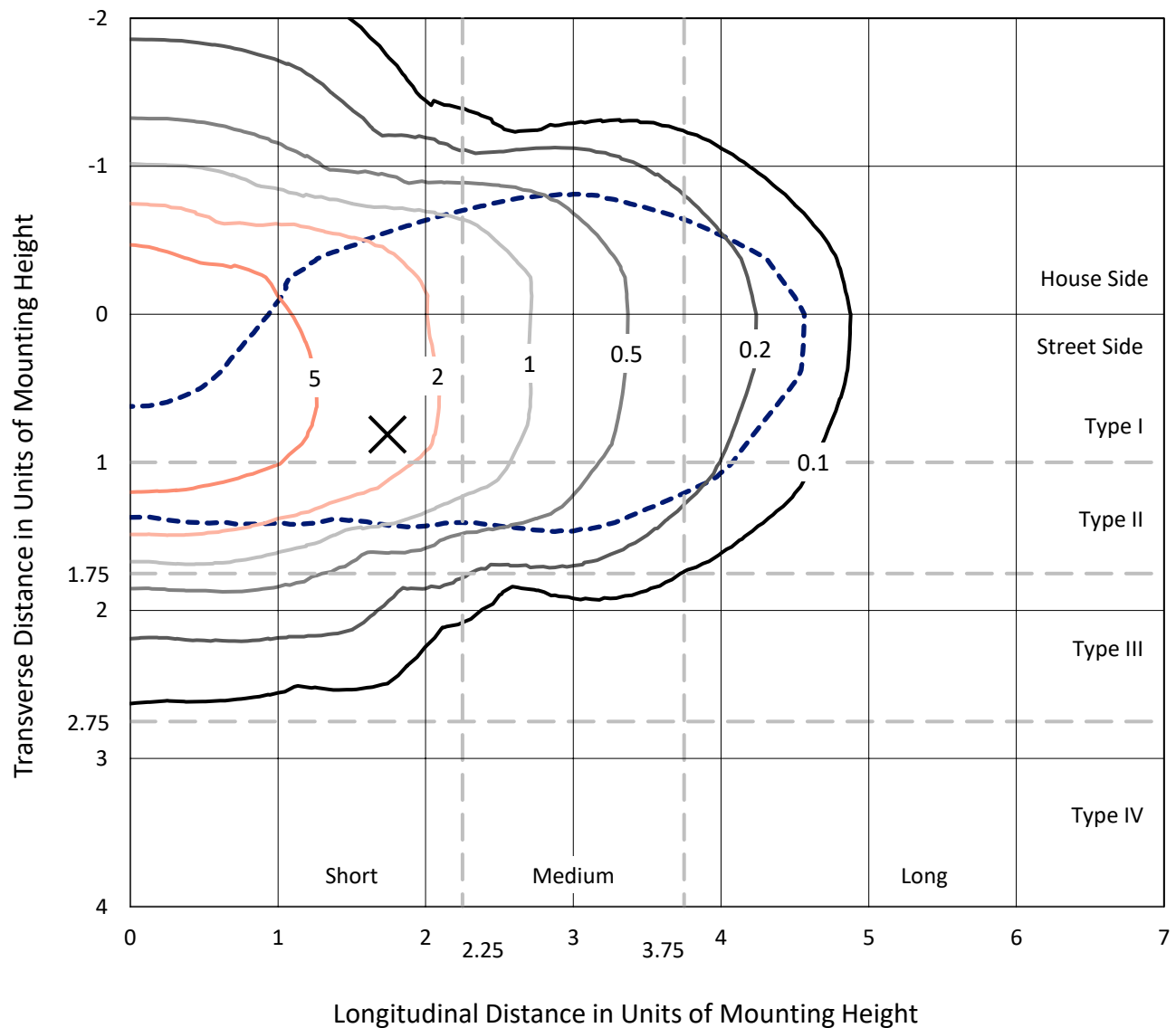
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

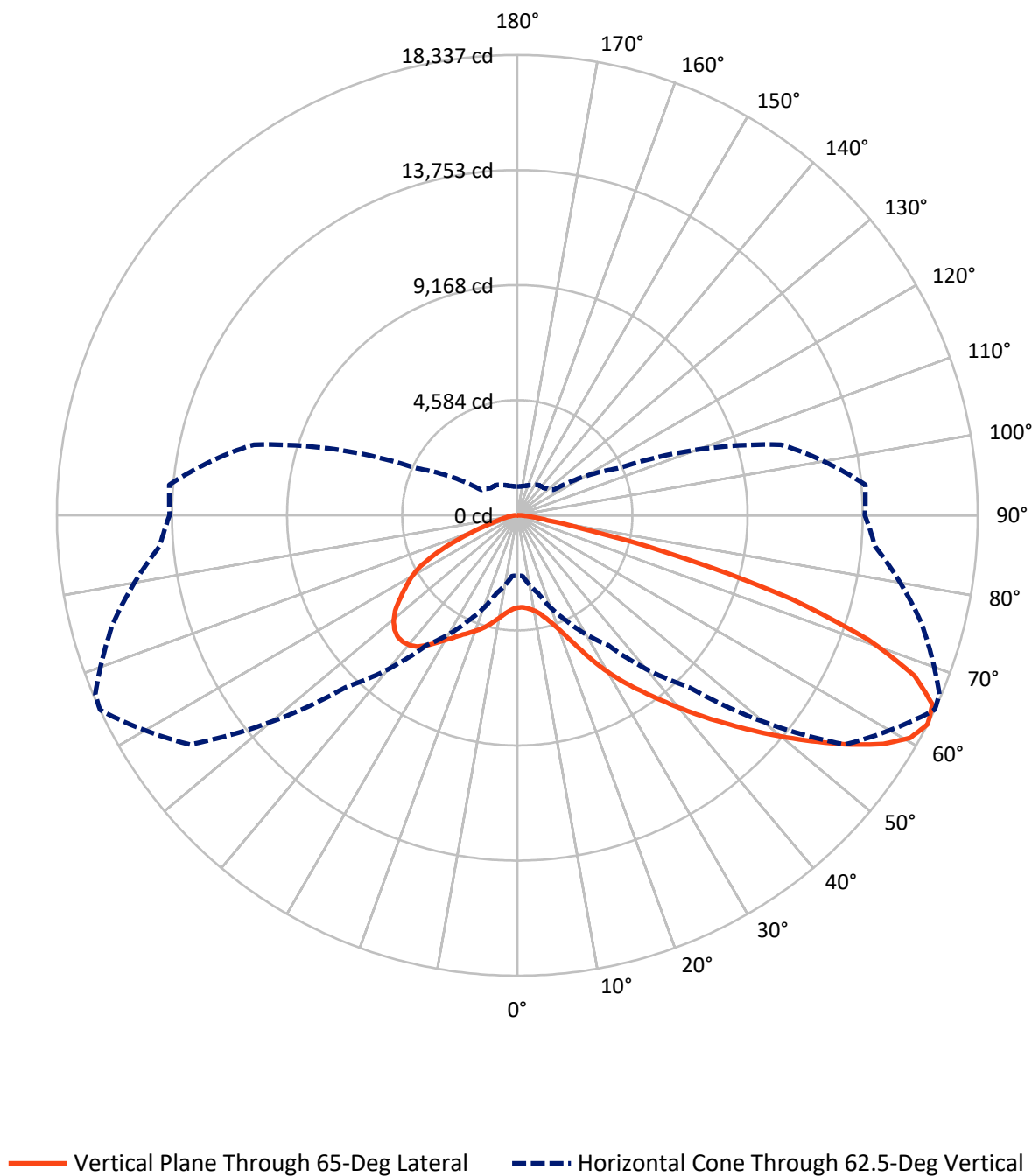
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10519.7	0.0	10519.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	22817.3	0.0	22817.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	33337.0	0.0	33337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.3	1.1
10°-20°	1242.0	3.7
20°-30°	2518.3	7.6
30°-40°	4357.8	13.1
40°-50°	6594.8	19.8
50°-60°	7731.9	23.2
60°-70°	6482.3	19.4
70°-80°	3578.7	10.7
80°-90°	464.9	1.4
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°	33337.0	100.0
0°-180°	33337.0	100.0

Coefficient of Utilization



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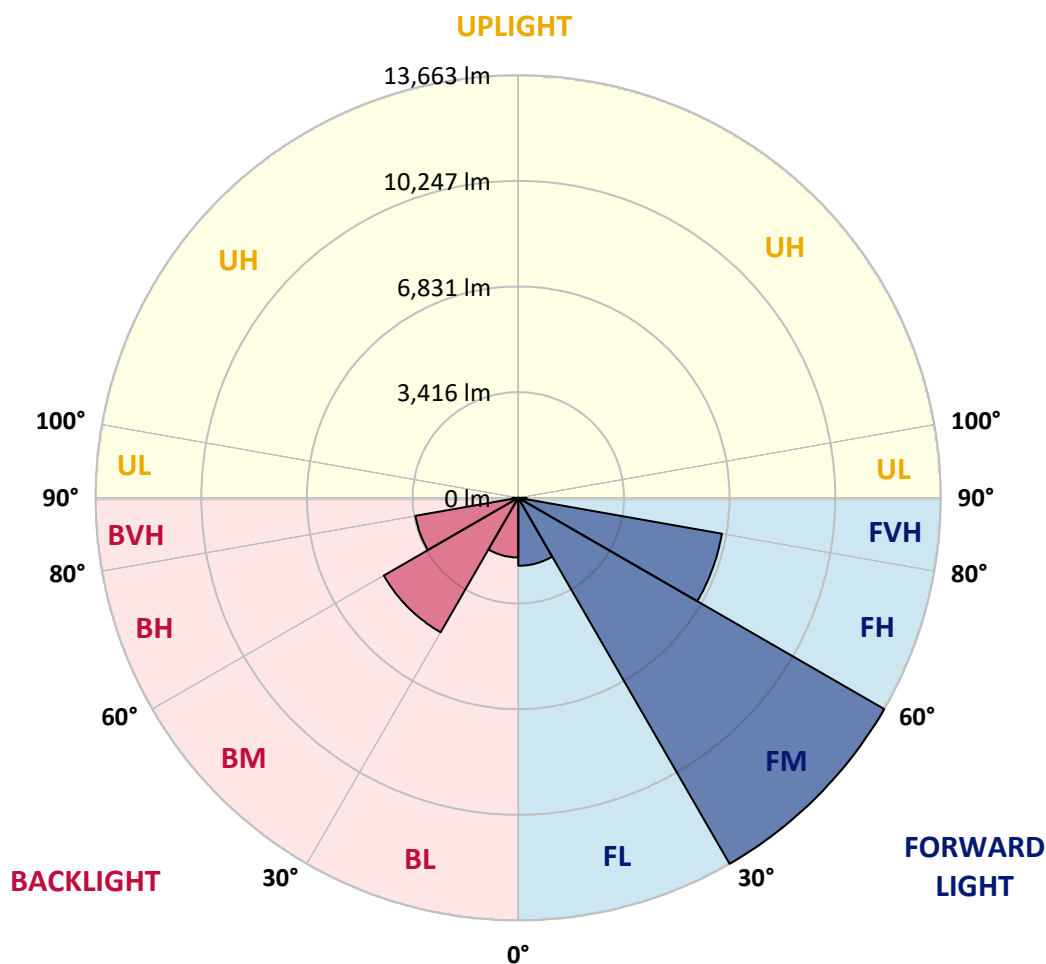
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2197.4	6.6			
FM	(30°-60°)	13662.6	41.0			
FH	(60°-80°)	6686.4	20.1			G3/7500
FVH	(80°-90°)	270.9	0.8			G3/500
BL	(0°-30°)	1929.2	5.8	B3/2500		
BM	(30°-60°)	5022.0	15.1	B4/8500		
BH	(60°-80°)	3374.6	10.1	B4/5000		G4/5000
BVH	(80°-90°)	193.9	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6
2.5°	3649.4	3639.0	3647.6	3647.6	3651.1	3649.4	3661.5	3664.9	3670.1	3680.5
5°	3613.1	3611.3	3626.9	3640.7	3654.6	3666.7	3682.2	3704.7	3708.2	3720.3
7.5°	3601.0	3590.6	3614.8	3632.1	3664.9	3694.3	3735.9	3773.9	3789.5	3794.7
10°	3694.3	3677.1	3699.5	3709.9	3737.6	3767.0	3815.4	3876.0	3893.2	3914.0
12.5°	3853.5	3834.4	3867.3	3882.9	3908.8	3934.8	3967.6	4026.4	4035.1	4073.1
15°	4071.4	4048.9	4069.7	4088.7	4131.9	4156.1	4189.0	4246.1	4246.1	4275.5
17.5°	4367.1	4337.7	4353.3	4360.2	4387.9	4424.2	4479.6	4529.7	4555.7	4545.3
20°	4808.2	4771.9	4771.9	4737.3	4726.9	4756.3	4828.9	4898.1	4925.8	4872.2
22.5°	5470.6	5418.7	5389.3	5271.7	5225.0	5228.5	5301.1	5385.9	5408.3	5313.2
25°	6312.9	6231.6	6191.8	6018.9	5913.4	5821.7	5878.8	5987.7	6018.9	5901.3
27.5°	7155.2	7160.4	7122.3	6914.8	6740.1	6572.3	6542.9	6657.1	6690.0	6556.8
30°	8336.5	8213.7	8141.1	7892.0	7642.9	7407.7	7286.7	7333.3	7342.0	7182.9
32.5°	9355.2	9324.1	9168.4	8950.5	8630.5	8262.1	8059.8	7985.4	7971.6	7745.0
35°	10515.7	10498.5	10334.1	10074.7	9728.8	9216.8	8851.9	8639.2	8621.9	8303.6
37.5°	11695.3	11695.3	11534.5	11250.8	10892.8	10252.9	9697.7	9360.4	9305.1	8890.0
40°	12636.2	12579.1	12608.5	12489.2	12079.3	11399.6	10636.8	10147.3	10073.0	9574.9
42.5°	13170.6	13151.6	13328.0	13461.2	13293.4	12750.3	11671.1	11000.0	10896.2	10329.0
45°	13290.0	13269.2	13584.0	14071.7	14306.9	14083.8	12795.3	11897.7	11771.4	11117.6
47.5°	13015.0	12973.5	13435.2	14204.9	14959.0	15351.6	14012.9	12871.4	12688.1	11885.6
50°	12188.2	12148.5	12847.2	13869.4	15178.6	16212.9	15334.3	13904.0	13623.8	12708.8
52.5°	10391.2	10410.2	11505.1	12909.5	14889.8	16749.1	16472.4	14991.9	14654.6	13551.1
55°	8094.4	8135.9	9481.5	11027.7	13734.5	16667.8	17248.9	16112.6	15777.1	14343.3
57.5°	5795.8	5979.1	7240.0	8770.6	11515.4	15379.3	17418.4	17178.0	16852.9	15208.1
60°	3756.6	3789.5	5086.6	6629.4	8768.9	13089.3	17074.3	17985.7	17731.5	16090.1
62.5°	2407.6	2430.0	3220.4	4637.0	6311.2	9683.8	15915.4	18336.8	18259.0	16673.0
65°	1769.3	1752.0	2163.7	3064.8	4251.3	5972.2	13665.3	18167.3	18321.3	17037.9
67.5°	1477.0	1452.8	1655.2	2122.2	3132.2	3391.7	10111.0	17065.6	17629.4	16996.4
70°	1345.6	1324.8	1447.6	1575.6	2443.9	2270.9	5097.0	14836.2	15704.4	16524.2
72.5°	1139.8	1103.5	1271.2	1399.2	1900.8	1741.7	2106.6	11396.1	12454.6	15010.9
75°	883.8	859.6	1003.1	1231.4	1428.6	1359.4	1331.8	6920.0	8075.3	11608.8
77.5°	700.5	667.6	799.1	959.9	1285.1	1025.6	970.3	2980.0	4125.0	7411.2
80°	527.5	498.1	607.1	759.3	987.6	773.1	627.8	1215.9	1554.9	3754.9
82.5°	375.3	349.4	423.7	556.9	664.2	693.6	385.7	681.4	766.2	1447.6
85°	240.4	224.8	283.6	349.4	422.0	446.2	235.2	356.3	390.9	596.7
87.5°	131.4	107.2	152.2	162.6	195.4	178.1	112.4	129.7	140.1	216.2
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°
3673.6	0°	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6	3673.6
3680.5	2.5°	3687.4	3692.6	3709.9	3715.1	3727.2	3742.8	3753.2	3763.5	3763.5	3773.9
3735.9	5°	3737.6	3749.7	3786.0	3805.0	3836.2	3867.3	3886.3	3908.8	3922.6	3929.6
3824.1	7.5°	3834.4	3853.5	3905.4	3938.2	3991.8	4035.1	4064.5	4095.6	4102.5	4121.5
3946.9	10°	3965.9	3988.4	4047.2	4109.4	4173.4	4227.1	4254.7	4277.2	4285.9	4289.3
4104.3	12.5°	4116.4	4149.2	4225.3	4301.4	4368.9	4415.6	4422.5	4417.3	4393.1	4372.3
4298.0	15°	4301.4	4330.8	4415.6	4498.6	4564.3	4573.0	4529.7	4502.1	4472.7	4467.5
4514.2	17.5°	4522.8	4538.4	4616.2	4697.5	4702.7	4673.3	4609.3	4583.3	4555.7	4536.6
4796.1	20°	4780.5	4775.3	4830.7	4865.3	4828.9	4739.0	4642.1	4598.9	4571.2	4548.8
5142.0	22.5°	5088.4	5048.6	5041.7	5033.0	4936.2	4747.7	4616.2	4560.9	4517.6	4486.5
5624.5	25°	5536.3	5384.1	5278.6	5219.8	5001.9	4701.0	4533.2	4410.4	4329.1	4275.5
6214.3	27.5°	6096.7	5840.7	5574.4	5430.8	5001.9	4605.8	4332.6	4133.7	4000.5	3945.1
6785.1	30°	6631.1	6363.1	5970.5	5685.1	4989.8	4450.2	4009.1	3732.4	3576.7	3521.4
7272.8	32.5°	7087.8	6795.5	6390.7	5963.5	4960.4	4197.7	3607.9	3301.7	3151.3	3085.5
7755.4	35°	7511.5	7200.2	6812.8	6269.7	4882.6	3827.5	3166.8	2933.3	2765.6	2660.1
8246.6	37.5°	7945.6	7575.5	7212.3	6546.4	4742.5	3395.1	2827.8	2628.9	2431.8	2289.9
8768.9	40°	8417.8	7975.0	7639.5	6710.7	4512.4	2983.5	2564.9	2383.3	2174.1	2023.6
9370.8	42.5°	8969.5	8454.1	8115.1	6795.5	4197.7	2691.2	2393.7	2215.6	2018.4	1895.6
10015.9	45°	9545.5	8981.6	8549.2	6793.7	3846.5	2554.6	2338.4	2162.0	1944.0	1816.0
10678.3	47.5°	10149.1	9533.4	8924.5	6683.0	3542.1	2573.6	2307.2	2046.1	1805.7	1681.1
11347.7	50°	10754.4	10137.0	9287.8	6475.5	3412.4	2532.1	2191.4	1883.5	1599.8	1487.4
11975.5	52.5°	11354.6	10778.6	9600.8	6179.7	3281.0	2378.1	2042.6	1672.5	1515.1	1437.3
12624.1	55°	11958.2	11413.4	9941.5	5749.1	2952.4	2198.3	1793.6	1592.9	1447.6	1376.7
13258.8	57.5°	12563.5	12146.7	10265.0	5318.4	2539.0	1976.9	1656.9	1496.1	1380.2	1319.7
13789.8	60°	13193.1	12985.6	10598.8	4922.3	2130.8	1693.2	1556.6	1418.2	1300.6	1233.2
14300.0	62.5°	13841.7	13909.1	10859.9	4412.1	1755.5	1520.3	1466.7	1324.8	1210.7	1146.7
14722.0	65°	14495.5	14799.9	11031.2	3704.7	1423.4	1356.0	1369.8	1222.8	1106.9	1051.6
15031.6	67.5°	14988.4	15441.5	10982.7	2803.6	1167.5	1200.3	1248.7	1115.6	1006.6	963.4
14981.5	70°	15043.7	15365.4	10505.4	1919.8	977.2	1048.1	1113.8	1010.1	897.6	866.5
14275.8	72.5°	14306.9	14327.7	9175.3	1253.9	826.7	920.1	972.0	902.8	793.9	762.7
12489.2	75°	12375.0	11849.2	6736.6	826.7	691.8	790.4	838.8	790.4	684.9	691.8
9344.8	77.5°	9376.0	8391.8	4090.4	588.1	577.7	664.2	729.9	695.3	605.3	679.7
4699.2	80°	4830.7	4540.1	1824.7	439.3	456.6	531.0	600.2	555.2	479.1	456.6
1049.8	82.5°	1106.9	1286.8	719.5	314.8	330.3	382.2	458.3	416.8	344.2	290.6
437.6	85°	387.4	423.7	318.2	197.2	193.7	238.7	311.3	278.5	233.5	186.8
185.1	87.5°	122.8	160.8	119.3	79.6	83.0	107.2	143.6	131.4	109.0	70.9
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°
3673.6
3773.9
3933.0
4114.6
4280.7
4372.3
4467.5
4538.4
4550.5
4496.9
4296.2
3972.8
3554.3
3118.4
2694.7
2328.0
2053.0
1919.8
1836.8
1698.4
1494.3
1437.3
1369.8
1309.3
1228.0
1145.0
1049.8
965.1
868.2
761.0
667.6
598.4
416.8
287.1
197.2
74.4
0.0