

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: P944616

Luminaire Tested: **GLAN-SB9C-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32564 lumens
Efficiency: N/A
Efficacy: 72.4 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): 449.8
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



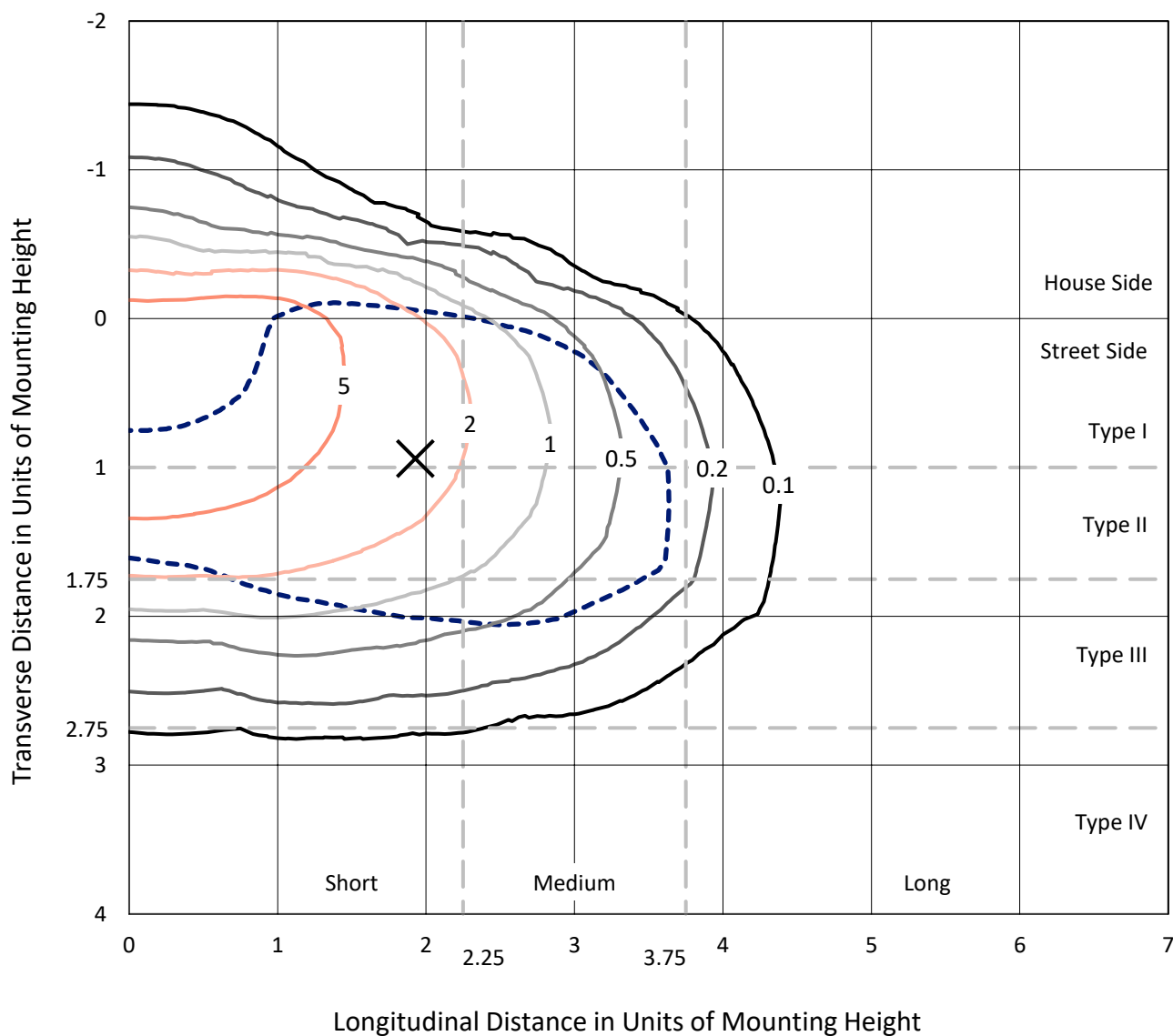
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

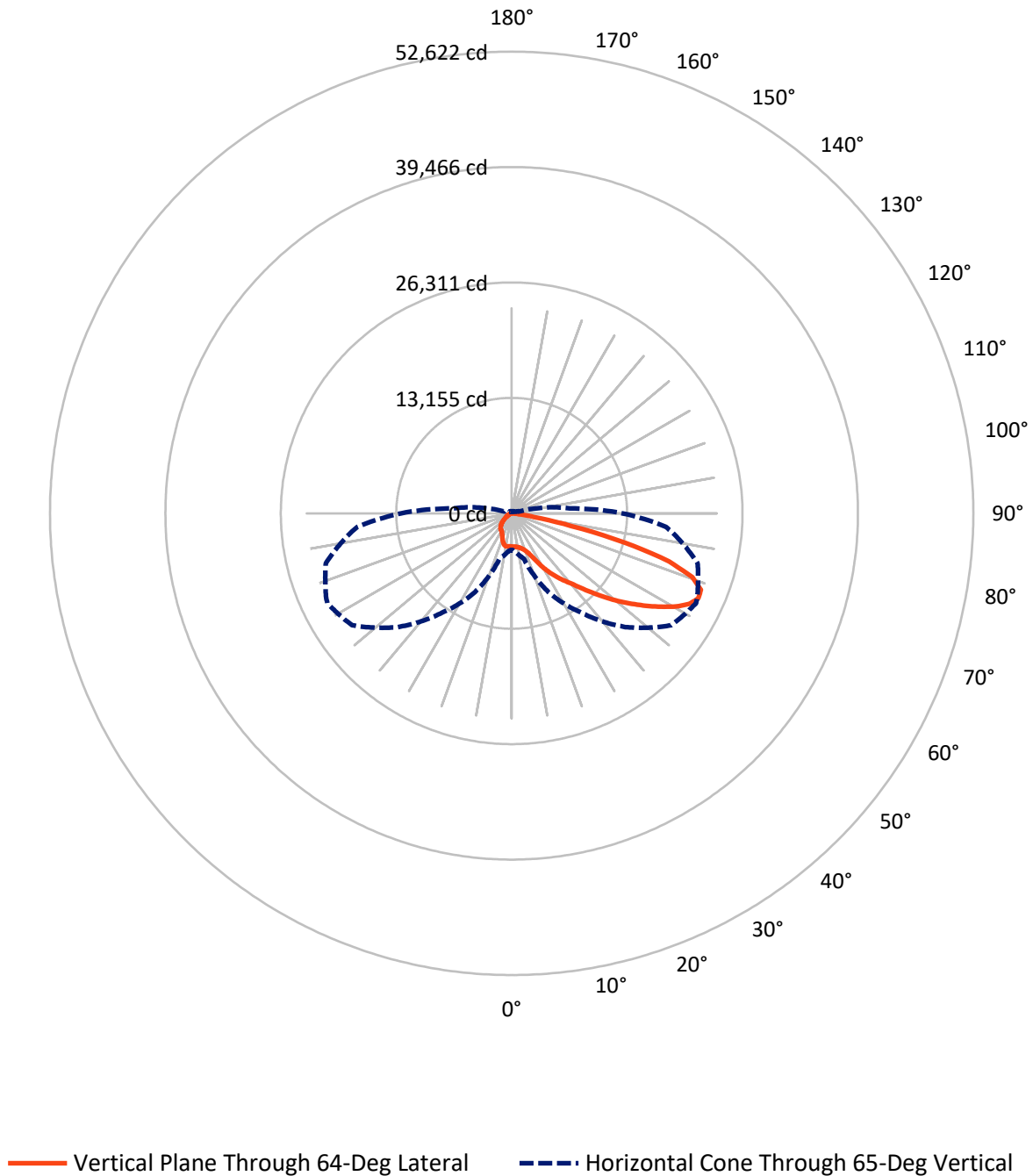


Based on 25 foot mounting height. Maximum calculated value = 9.5 fc

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	4354.8	0.0	4354.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	28209.2	0.0	28209.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	32564.0	0.0	32564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.4	1.1
10°-20°	947.8	2.9
20°-30°	1795.9	5.5
30°-40°	3634.2	11.2
40°-50°	6190.8	19.0
50°-60°	8419.0	25.9
60°-70°	7905.9	24.3
70°-80°	3167.4	9.7
80°-90°	153.4	0.5
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°	32564.0	100.0
0°-180°	32564.0	100.0

Coefficient of Utilization



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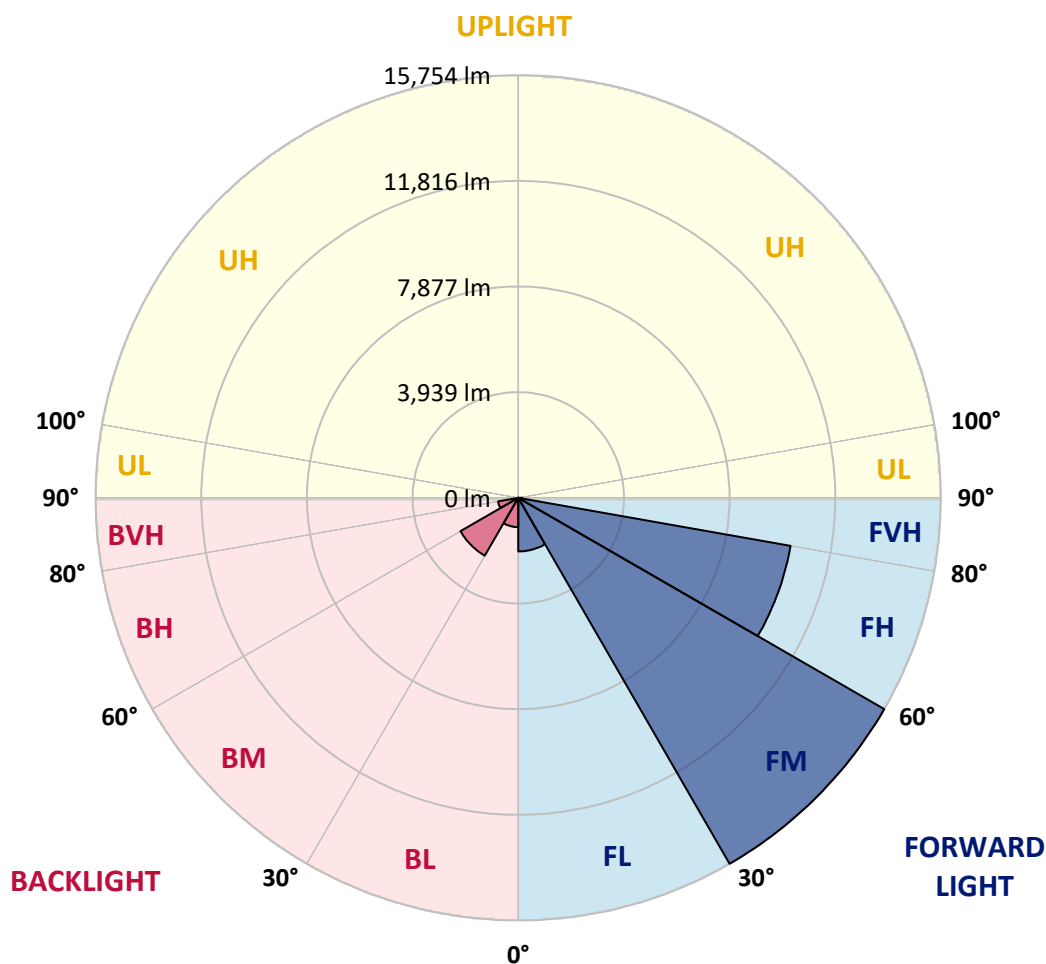
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1999.8	6.1			
FM	(30°-60°)	15754.4	48.4			
FH	(60°-80°)	10309.0	31.7			G4/12000
FVH	(80°-90°)	146.0	0.4			G2/225
BL	(0°-30°)	1093.4	3.4	B3/2500		
BM	(30°-60°)	2489.6	7.6	B2/2500		
BH	(60°-80°)	764.3	2.3	B2/1000		G2/1000
BVH	(80°-90°)	7.5	0.0			G0/10
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°	64°	65°	75°
0°	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5
2.5°	3774.4	3800.6	3794.1	3787.5	3785.3	3789.7	3791.9	3789.7	3789.7	3789.7
5°	3702.4	3724.2	3724.2	3739.5	3761.3	3787.5	3807.2	3811.5	3815.9	3822.5
7.5°	3564.9	3582.3	3595.4	3645.6	3700.2	3770.1	3829.0	3859.6	3863.9	3888.0
10°	3471.0	3492.8	3514.7	3567.0	3645.6	3750.4	3850.8	3925.1	3936.0	3992.7
12.5°	3466.6	3488.5	3516.8	3573.6	3665.3	3776.6	3898.9	4005.8	4025.5	4108.4
15°	3512.5	3538.7	3564.9	3634.7	3733.0	3868.3	3999.3	4132.4	4152.1	4270.0
17.5°	3606.3	3641.3	3660.9	3730.8	3835.6	3986.2	4158.6	4311.5	4328.9	4466.4
20°	3791.9	3833.4	3839.9	3896.7	3999.3	4160.8	4366.0	4556.0	4577.8	4735.0
22.5°	4176.1	4235.0	4182.7	4211.0	4302.7	4464.3	4686.9	4927.1	4957.6	5136.6
25°	4852.8	4935.8	4800.5	4752.4	4791.7	4959.8	5239.2	5542.7	5577.6	5721.7
27.5°	6182.3	6075.3	5870.1	5669.3	5551.4	5647.5	5961.8	6337.3	6381.0	6520.7
30°	7642.7	7548.9	7271.6	6826.3	6546.9	6531.6	6821.9	7241.1	7291.3	7424.4
32.5°	9105.4	9015.9	8714.6	8166.7	7682.0	7441.9	7642.7	8107.7	8133.9	8219.1
35°	10544.0	10452.3	10151.0	9590.0	8994.0	8448.3	8409.0	8932.9	8941.6	9031.1
37.5°	11991.3	11914.9	11594.0	11043.9	10456.6	9703.5	9338.9	9714.4	9725.3	9812.7
40°	13023.9	13056.6	12836.1	12410.4	11906.2	11083.2	10382.4	10546.1	10480.7	10626.9
42.5°	13910.2	13975.7	13783.6	13569.6	13277.1	12552.3	11674.8	11646.4	11541.6	11620.2
45°	14676.4	14731.0	14558.5	14508.3	14501.8	13993.1	13087.2	12916.9	12770.6	12755.4
47.5°	14958.0	15062.8	15137.0	15305.1	15632.6	15418.6	14547.6	14283.5	14119.7	13999.7
50°	15065.0	15176.3	15429.6	15918.5	16693.5	16785.2	16001.5	15704.6	15503.8	15285.5
52.5°	14920.9	15119.6	15460.1	16283.1	17407.4	17881.1	17396.4	17136.7	16907.5	16551.6
55°	14071.7	14270.4	14966.8	16278.7	17763.2	18649.5	18715.0	18599.3	18341.7	17780.7
57.5°	12281.6	12576.4	13678.8	15724.3	17756.6	19311.0	20007.3	20090.3	19802.1	18998.8
60°	9801.7	10201.2	11546.0	14495.2	17208.7	19669.0	21140.3	21555.1	21249.5	20199.4
62.5°	6839.4	7302.2	8574.9	12569.8	15955.7	19411.4	21967.7	22733.9	22502.5	21273.5
65°	4171.7	4320.2	5346.2	9891.2	13825.0	18333.0	22223.1	23371.4	23295.0	21930.6
67.5°	2779.0	2903.4	3198.1	6782.6	10731.7	16178.3	21611.9	23260.0	23281.9	21823.6
70°	1674.4	1781.3	1973.4	3944.7	6955.1	12805.6	19719.2	21841.1	21967.7	20393.7
72.5°	689.8	761.9	936.5	1787.9	3602.0	8127.4	15702.4	18752.1	19046.8	17147.6
75°	390.8	427.9	550.1	897.2	1563.0	3787.5	9511.4	13312.0	13746.4	11818.8
77.5°	259.8	277.2	355.8	580.7	879.8	1292.3	4064.8	6935.4	7765.0	6455.2
80°	174.6	189.9	244.5	388.6	571.9	554.5	1294.5	2569.4	3161.0	2217.9
82.5°	117.9	120.1	174.6	255.4	362.4	268.5	382.0	799.0	1004.2	641.8
85°	67.7	65.5	128.8	148.4	161.5	111.3	115.7	240.1	314.4	270.7
87.5°	8.7	13.1	50.2	39.3	21.8	24.0	24.0	41.5	61.1	65.5
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°
3787.5	0°	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5	3787.5
3791.9	2.5°	3791.9	3789.7	3783.2	3776.6	3761.3	3752.6	3757.0	3752.6	3750.4	3752.6
3820.3	5°	3820.3	3813.7	3796.3	3774.4	3743.9	3706.8	3682.7	3647.8	3615.1	3595.4
3896.7	7.5°	3896.7	3890.1	3866.1	3805.0	3706.8	3551.8	3409.9	3285.4	3191.6	3137.0
4018.9	10°	4018.9	4008.0	3970.9	3835.6	3578.0	3239.6	2958.0	2724.4	2571.6	2499.6
4163.0	12.5°	4163.0	4149.9	4084.4	3807.2	3333.5	2805.2	2416.6	2156.8	2014.9	1951.6
4328.9	15°	4333.3	4315.8	4187.0	3671.8	2977.6	2324.9	1969.1	1774.8	1683.1	1626.3
4540.7	17.5°	4545.0	4514.5	4263.4	3468.8	2591.2	1958.2	1694.0	1547.8	1467.0	1412.4
4817.9	20°	4820.1	4769.9	4324.6	3226.5	2235.4	1726.8	1508.5	1386.2	1325.1	1277.1
5210.9	22.5°	5204.3	5132.3	4398.8	2964.5	1984.4	1567.4	1370.9	1281.4	1231.2	1176.6
5758.8	25°	5680.2	5595.1	4490.5	2722.2	1811.9	1429.9	1270.5	1196.3	1137.4	1074.0
6477.0	27.5°	6346.0	6193.2	4599.6	2523.6	1663.5	1312.0	1178.8	1095.9	1028.2	975.8
7291.3	30°	7088.3	6837.2	4695.7	2403.5	1528.1	1202.8	1058.8	975.8	912.5	875.4
8022.6	32.5°	7791.2	7450.6	4759.0	2351.1	1405.9	1078.4	927.8	838.3	790.3	779.3
8738.6	35°	8454.8	8005.1	4752.4	2300.9	1296.7	954.0	799.0	707.3	670.2	676.7
9509.2	37.5°	9218.9	8596.7	4706.6	2222.3	1207.2	840.5	687.6	606.9	574.1	576.3
10445.7	40°	10107.4	9280.0	4678.2	2073.9	1109.0	735.7	596.0	530.5	506.5	497.7
11432.5	42.5°	11054.8	9941.5	4682.6	1905.8	986.7	641.8	532.7	478.1	456.3	449.7
12530.5	45°	12006.6	10572.3	4689.1	1731.1	857.9	569.8	486.8	441.0	427.9	419.1
13643.8	47.5°	12901.6	11109.4	4566.9	1543.4	731.3	515.2	449.7	419.1	408.2	397.3
14761.5	50°	13735.5	11467.4	4272.2	1325.1	630.9	471.5	421.3	399.5	388.6	377.7
15774.5	52.5°	14383.9	11524.1	3785.3	1100.2	561.0	438.8	403.9	384.2	371.1	360.2
16593.1	55°	14672.0	11168.3	3093.3	890.7	506.5	410.4	386.4	366.7	351.5	340.6
17237.1	57.5°	14597.8	10419.5	2412.2	716.0	454.1	382.0	364.6	351.5	334.0	316.5
17758.8	60°	14233.3	9417.5	1818.5	596.0	406.0	351.5	340.6	329.6	305.6	279.4
17959.7	62.5°	13602.4	8157.9	1296.7	493.4	353.6	316.5	312.2	303.4	268.5	220.5
17662.8	65°	12637.5	6627.6	873.2	410.4	303.4	277.2	279.4	264.1	218.3	163.7
16575.6	67.5°	11227.2	4846.3	558.9	336.2	253.2	231.4	233.6	224.9	185.6	139.7
14514.9	70°	9430.6	3209.0	364.6	255.4	203.0	179.0	192.1	194.3	157.2	113.5
11139.9	72.5°	6913.6	1894.9	255.4	189.9	148.4	124.4	157.2	161.5	126.6	85.1
6701.9	75°	3940.3	899.4	192.1	137.5	91.7	87.3	122.2	122.2	87.3	56.8
2901.2	77.5°	1654.7	375.5	135.3	89.5	52.4	50.2	83.0	76.4	43.7	26.2
707.3	80°	478.1	168.1	72.0	43.7	21.8	19.6	32.7	24.0	10.9	4.4
268.5	82.5°	187.7	74.2	28.4	17.5	8.7	8.7	4.4	0.0	0.0	0.0
152.8	85°	111.3	30.6	13.1	6.5	2.2	0.0	0.0	0.0	0.0	0.0
32.7	87.5°	28.4	6.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3787.5
3761.3
3599.8
3139.2
2493.0
1945.1
1628.5
1408.0
1268.3
1167.9
1067.5
964.9
868.8
785.9
676.7
585.0
495.5
447.5
419.1
397.3
377.7
358.0
338.4
314.4
275.1
216.1
159.4
133.2
109.2
80.8
52.4
26.2
4.4
0.0
0.0
0.0
0.0