

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: P943252

Luminaire Tested: **GLAN-SB7C-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943252
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-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 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: 32136 lumens
Efficiency: N/A
Efficacy: 91.7 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

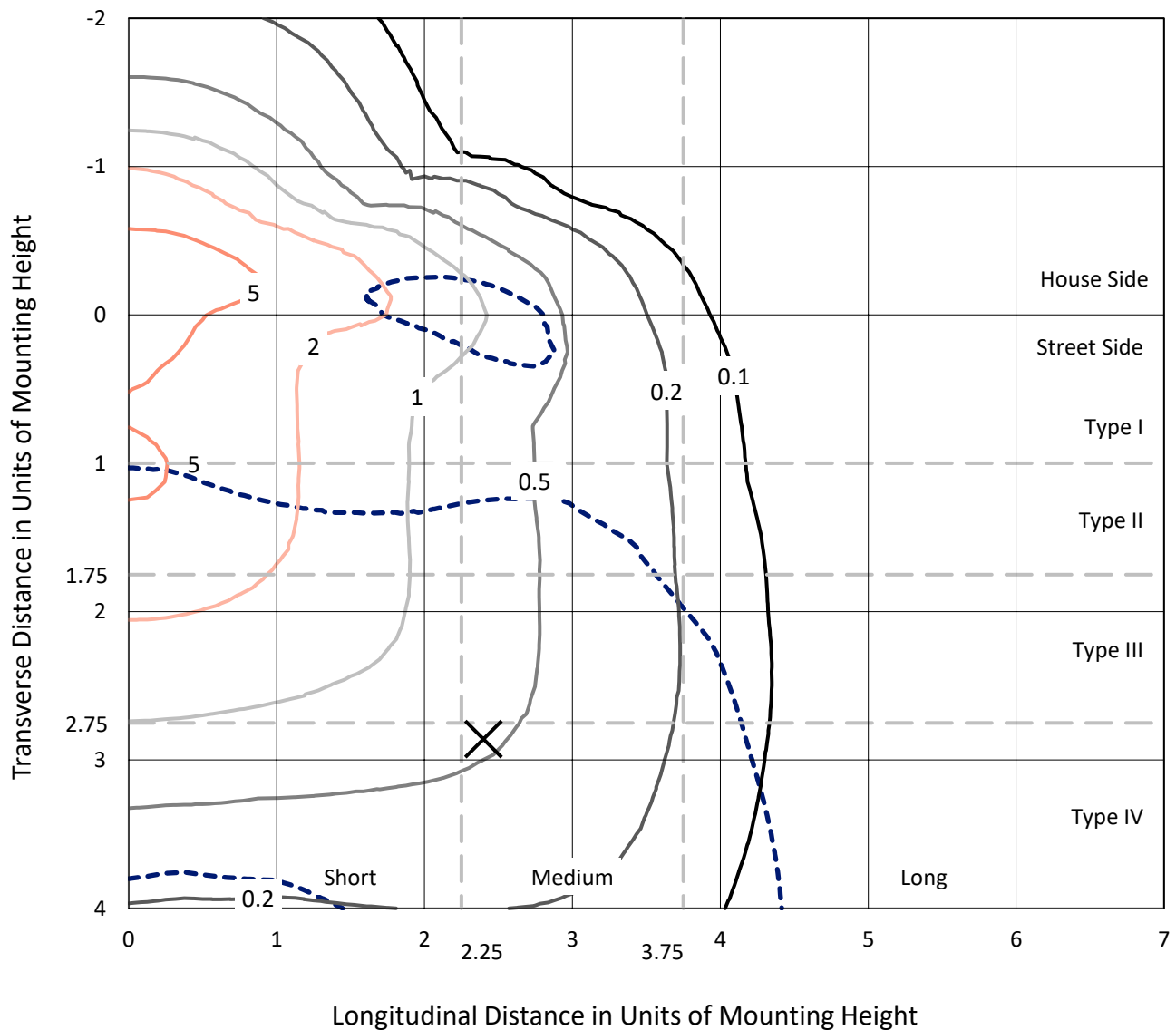


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Iso-Footcandle Lines of Horizontal Illumination

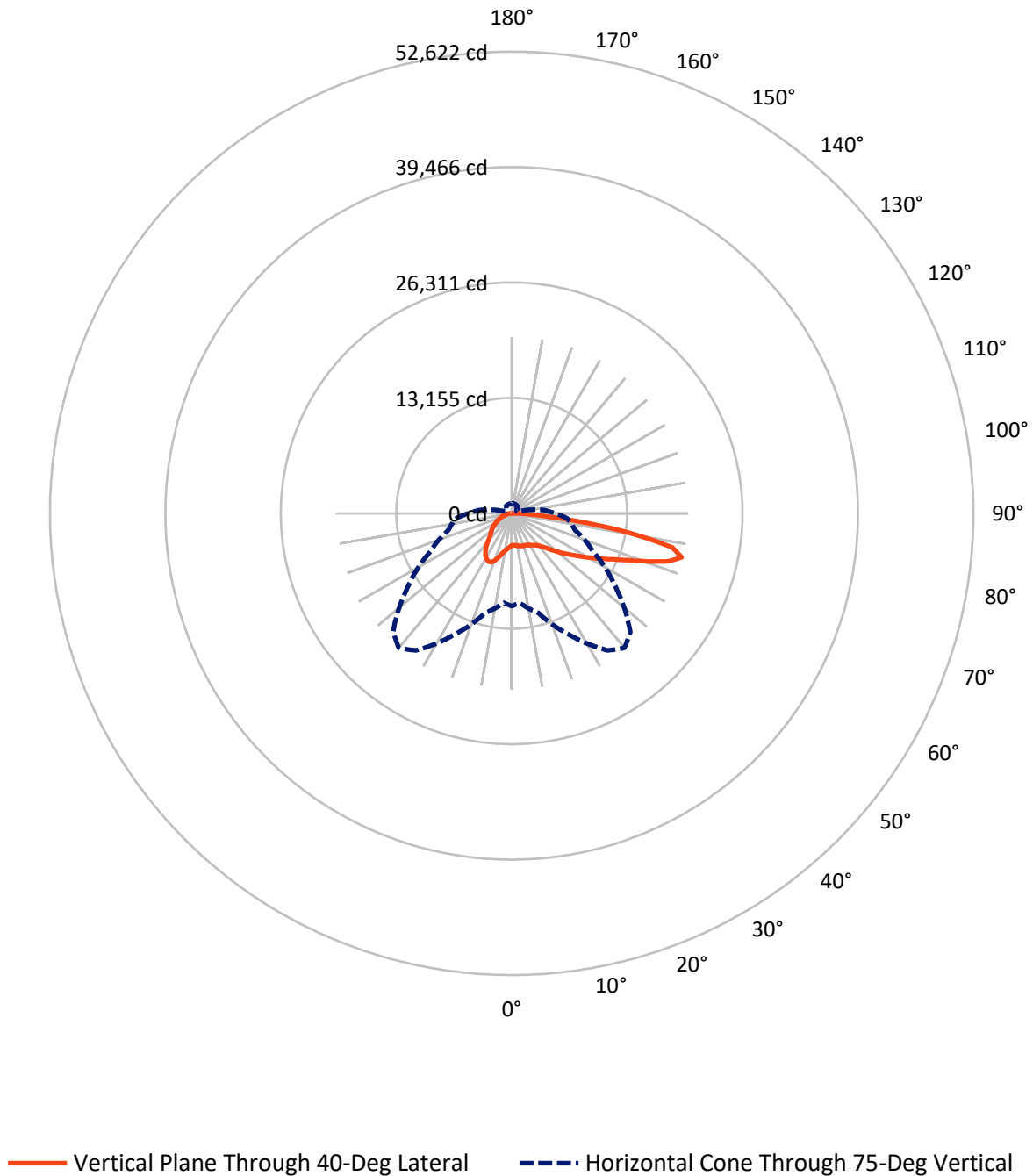
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	9956.8	0.0	9956.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22179.2	0.0	22179.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	32136.0	0.0	32136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.8	1.1
10°-20°	1231.6	3.8
20°-30°	2248.7	7.0
30°-40°	3189.3	9.9
40°-50°	4306.6	13.4
50°-60°	5793.5	18.0
60°-70°	7353.2	22.9
70°-80°	6673.5	20.8
80°-90°	972.8	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°	32136.0	100.0
0°-180°	32136.0	100.0

Coefficient of Utilization



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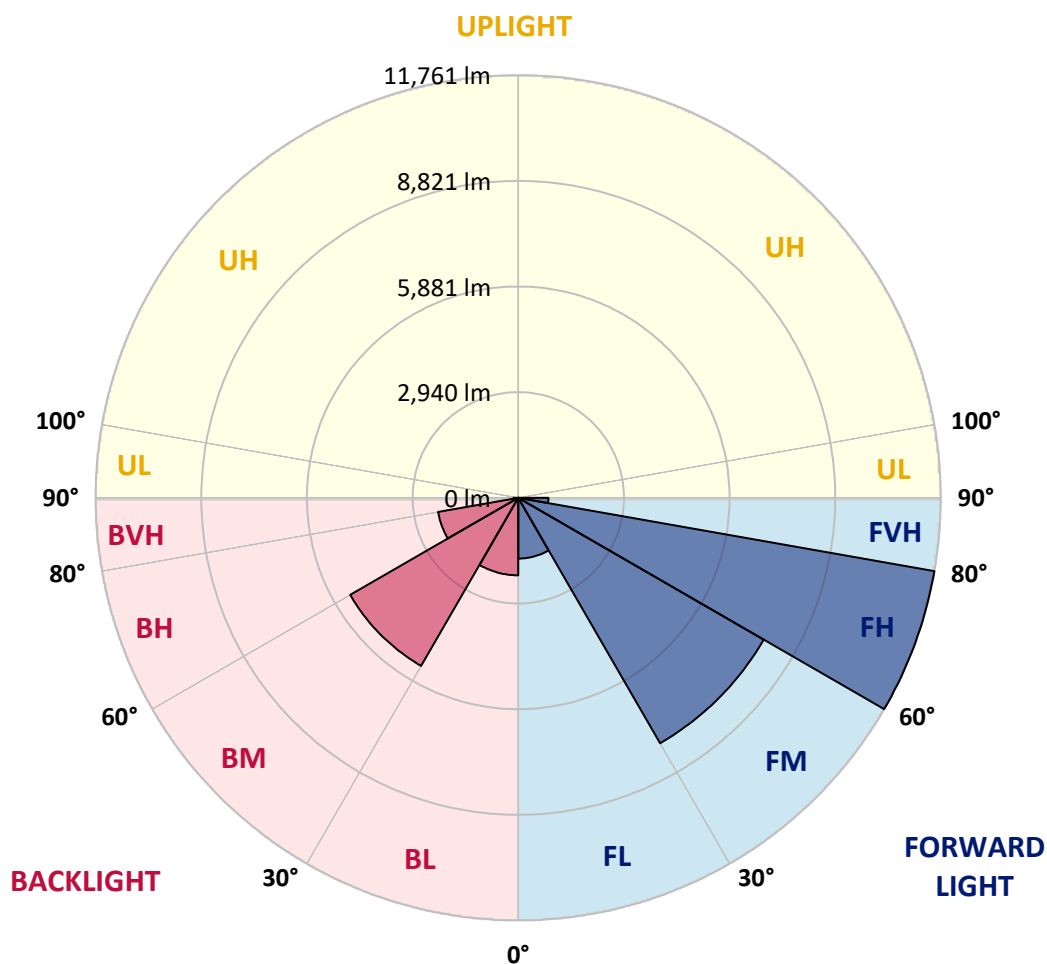
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1690.4	5.3			
FM	(30°-60°)	7888.7	24.5			
FH	(60°-80°)	11761.3	36.6			G4/12000
FVH	(80°-90°)	838.9	2.6			G5
BL	(0°-30°)	2156.7	6.7	B3/2500		
BM	(30°-60°)	5400.7	16.8	B4/8500		
BH	(60°-80°)	2265.5	7.0	B3/2500		G3/2500
BVH	(80°-90°)	133.9	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°	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8
2.5°	3618.5	3639.0	3633.9	3627.1	3627.1	3628.8	3627.1	3639.0	3650.9	3662.9
5°	3656.0	3676.5	3666.3	3657.7	3650.9	3649.2	3644.1	3642.4	3649.2	3664.6
7.5°	3729.3	3749.8	3734.5	3719.1	3705.5	3698.7	3691.8	3681.6	3676.5	3685.0
10°	3811.2	3831.6	3812.9	3785.6	3763.4	3754.9	3748.1	3737.9	3731.0	3736.2
12.5°	3893.0	3913.4	3887.9	3850.4	3821.4	3816.3	3807.7	3804.3	3802.6	3800.9
15°	3969.7	3986.7	3954.3	3910.0	3879.3	3870.8	3862.3	3867.4	3875.9	3886.1
17.5°	4029.3	4046.4	3998.6	3940.7	3911.7	3908.3	3903.2	3920.2	3944.1	3969.7
20°	4083.9	4100.9	4039.5	3961.1	3927.1	3927.1	3928.8	3964.6	3998.6	4036.1
22.5°	4160.6	4174.2	4099.2	3991.8	3942.4	3945.8	3959.4	3995.2	4037.8	4089.0
25°	4274.8	4285.0	4192.9	4049.8	3993.5	4003.8	4015.7	4032.7	4073.6	4133.3
27.5°	4458.8	4467.4	4346.3	4152.0	4066.8	4083.9	4100.9	4089.0	4107.7	4158.9
30°	4717.9	4723.0	4569.6	4312.3	4191.2	4199.8	4203.2	4153.7	4118.0	4158.9
32.5°	5024.7	5023.0	4840.6	4506.6	4332.7	4324.2	4295.2	4198.1	4114.5	4150.3
35°	5500.3	5481.5	5246.3	4779.3	4492.9	4440.1	4371.9	4247.5	4131.6	4141.8
37.5°	6287.7	6229.8	5904.2	5225.8	4731.6	4596.9	4496.3	4327.6	4169.1	4138.4
40°	7175.7	7102.4	6744.5	5837.7	5089.5	4873.0	4711.1	4441.8	4230.4	4153.7
42.5°	8229.1	8125.1	7739.9	6558.7	5542.9	5229.3	4985.5	4586.7	4320.8	4203.2
45°	9522.8	9384.7	8839.3	7371.7	6113.9	5696.3	5370.7	4806.5	4458.8	4298.6
47.5°	10830.1	10864.2	10088.6	8302.4	6799.1	6272.4	5853.1	5137.2	4660.0	4452.0
50°	12219.2	12243.1	11331.2	9333.6	7576.3	6923.5	6395.1	5507.1	4939.5	4670.2
52.5°	13303.2	13306.6	12459.5	10412.5	8385.9	7639.3	6979.7	5929.8	5263.3	4959.9
55°	13981.6	13973.1	13250.4	11433.5	9316.5	8391.0	7627.4	6410.4	5658.8	5300.8
57.5°	14474.2	14448.6	13795.8	12311.2	10308.5	9279.0	8360.3	6955.9	6125.8	5706.5
60°	14661.7	14646.3	14165.7	13069.7	11351.6	10260.8	9205.7	7566.1	6655.9	6185.4
62.5°	14733.3	14762.2	14528.7	13804.3	12468.1	11348.2	10134.7	8295.6	7252.4	6727.5
65°	14985.5	15038.4	14990.6	14765.7	13729.3	12621.5	11367.0	9163.1	7903.5	7308.7
67.5°	15484.9	15537.8	15558.2	15916.2	15270.2	14208.3	12904.4	10243.7	8665.4	7912.1
70°	15473.0	15457.7	15819.0	16831.4	17199.6	16405.3	14977.0	11573.2	9573.9	8413.2
72.5°	14083.9	13961.2	14815.1	16821.2	18805.2	18699.5	17508.1	13287.9	10357.9	8474.5
75°	10565.9	10238.6	11747.1	15159.4	19072.8	20001.7	19117.1	14351.5	10172.2	7487.6
77.5°	4518.5	4189.5	5967.3	11222.1	17070.1	18697.8	17641.1	12520.9	8120.0	4951.4
80°	1182.9	1181.2	1803.3	5087.8	11609.0	13807.8	12113.5	8085.9	4639.5	1769.2
82.5°	489.2	477.2	663.0	1978.9	5672.4	7748.4	6323.5	3606.6	1675.5	479.0
85°	182.4	180.7	322.1	683.5	2001.0	3195.8	2312.9	922.1	417.6	233.5
87.5°	51.1	49.4	69.9	236.9	487.5	739.7	395.4	151.7	117.6	92.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3674.8	0°	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8	3674.8
3681.6	2.5°	3686.7	3695.2	3710.6	3722.5	3737.9	3754.9	3778.8	3794.1	3809.4	3819.7
3690.1	5°	3702.1	3720.8	3760.0	3799.2	3845.2	3887.9	3937.3	3973.1	4002.0	4010.6
3720.8	7.5°	3736.2	3766.8	3833.3	3899.8	3973.1	4043.0	4114.5	4175.9	4225.3	4244.1
3775.4	10°	3795.8	3836.7	3930.5	4024.2	4121.4	4228.7	4320.8	4409.4	4479.3	4508.3
3840.1	12.5°	3870.8	3921.9	4044.7	4174.2	4308.8	4457.1	4576.4	4685.5	4772.5	4811.7
3930.5	15°	3968.0	4034.4	4191.2	4365.1	4562.8	4769.1	4920.7	5041.8	5138.9	5186.6
4024.2	17.5°	4073.6	4162.3	4360.0	4622.5	4905.4	5176.4	5353.7	5442.3	5542.9	5588.9
4111.1	20°	4175.9	4285.0	4567.9	4949.7	5326.4	5614.5	5757.6	5781.5	5788.3	5793.4
4192.9	22.5°	4281.6	4428.2	4828.7	5362.2	5766.2	5965.6	5986.0	5883.8	5740.6	5674.1
4273.1	25°	4397.5	4591.8	5169.6	5817.3	6144.5	6168.4	6011.6	5762.7	5491.7	5367.3
4337.8	27.5°	4510.0	4781.0	5578.7	6251.9	6417.3	6207.6	5870.1	5517.3	5190.1	5058.8
4383.8	30°	4622.5	4997.4	6030.3	6632.0	6541.7	6110.5	5646.8	5253.1	4924.2	4786.1
4424.8	32.5°	4736.7	5249.7	6550.2	6906.4	6519.5	5904.2	5369.0	4956.5	4666.8	4521.9
4460.5	35°	4866.2	5559.9	7042.8	7056.4	6371.2	5600.8	5002.6	4602.0	4349.8	4233.9
4503.2	37.5°	5034.9	5953.6	7477.4	7093.9	6112.2	5156.0	4547.5	4182.7	3974.8	3921.9
4566.2	40°	5244.6	6427.5	7809.8	7034.3	5728.7	4615.7	4049.8	3758.3	3640.7	3652.6
4651.4	42.5°	5517.3	6957.6	8043.3	6880.9	5195.2	4058.3	3613.4	3483.9	3540.1	3587.9
4779.3	45°	5871.8	7508.1	8188.2	6620.1	4591.8	3586.2	3356.1	3386.7	3429.4	3434.5
4985.5	47.5°	6325.2	8065.5	8283.6	6226.4	3976.5	3253.8	3192.4	3199.3	3190.7	3154.9
5294.0	50°	6891.1	8607.5	8368.9	5704.8	3453.2	3045.9	2964.0	2940.2	2822.6	2706.7
5704.8	52.5°	7535.4	9105.2	8404.6	5057.1	3045.9	2872.0	2739.1	2589.1	2369.2	2333.4
6221.2	55°	8251.2	9565.4	8312.6	4261.1	2703.3	2648.7	2447.6	2266.9	2243.1	2212.4
6901.3	57.5°	9106.9	10061.4	8125.1	3373.1	2352.1	2387.9	2191.9	2212.4	2169.8	2122.0
7775.7	60°	10042.6	10574.4	7796.2	2563.5	1989.1	2062.4	2125.4	2123.7	2111.8	2072.6
8697.8	62.5°	10884.6	10911.9	7148.5	1963.5	1670.4	1810.1	1982.3	1980.6	1970.3	1948.2
9660.8	65°	11385.7	10860.8	6067.8	1545.9	1407.9	1602.2	1788.0	1801.6	1803.3	1801.6
10385.2	67.5°	11297.1	10262.5	4585.0	1230.6	1191.4	1390.8	1595.4	1614.1	1627.7	1631.2
10477.3	70°	10294.9	8948.4	2989.6	981.8	998.8	1205.0	1413.0	1431.7	1443.7	1457.3
9091.5	72.5°	8024.6	6579.2	1711.3	794.3	830.1	1044.8	1232.3	1254.5	1261.3	1286.9
6326.9	75°	4890.1	3869.1	923.8	625.5	681.8	893.1	1053.4	1078.9	1090.8	1121.5
3107.2	77.5°	2324.9	1675.5	526.7	487.5	548.8	729.5	889.7	918.7	886.3	903.4
857.3	80°	785.8	622.1	332.4	371.6	419.3	569.3	712.5	741.4	673.3	669.8
284.6	82.5°	274.4	252.3	211.4	247.1	271.0	407.4	538.6	576.1	501.1	499.4
127.8	85°	107.4	102.3	117.6	134.7	161.9	250.6	354.5	373.3	308.5	248.8
37.5	87.5°	22.2	23.9	29.0	30.7	49.4	86.9	127.8	156.8	124.4	105.7
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°
3674.8
3812.9
4014.0
4245.8
4510.0
4811.7
5183.2
5587.2
5807.1
5692.9
5386.1
5074.1
4801.4
4540.7
4259.4
3959.4
3693.5
3632.2
3468.6
3182.2
2722.0
2345.3
2217.5
2113.5
2059.0
1939.7
1801.6
1634.6
1464.1
1297.1
1124.9
889.7
663.0
475.5
245.4
97.2
0.0