

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: P851477

Luminaire Tested: **GLAN-SB9C-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 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: 41834 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

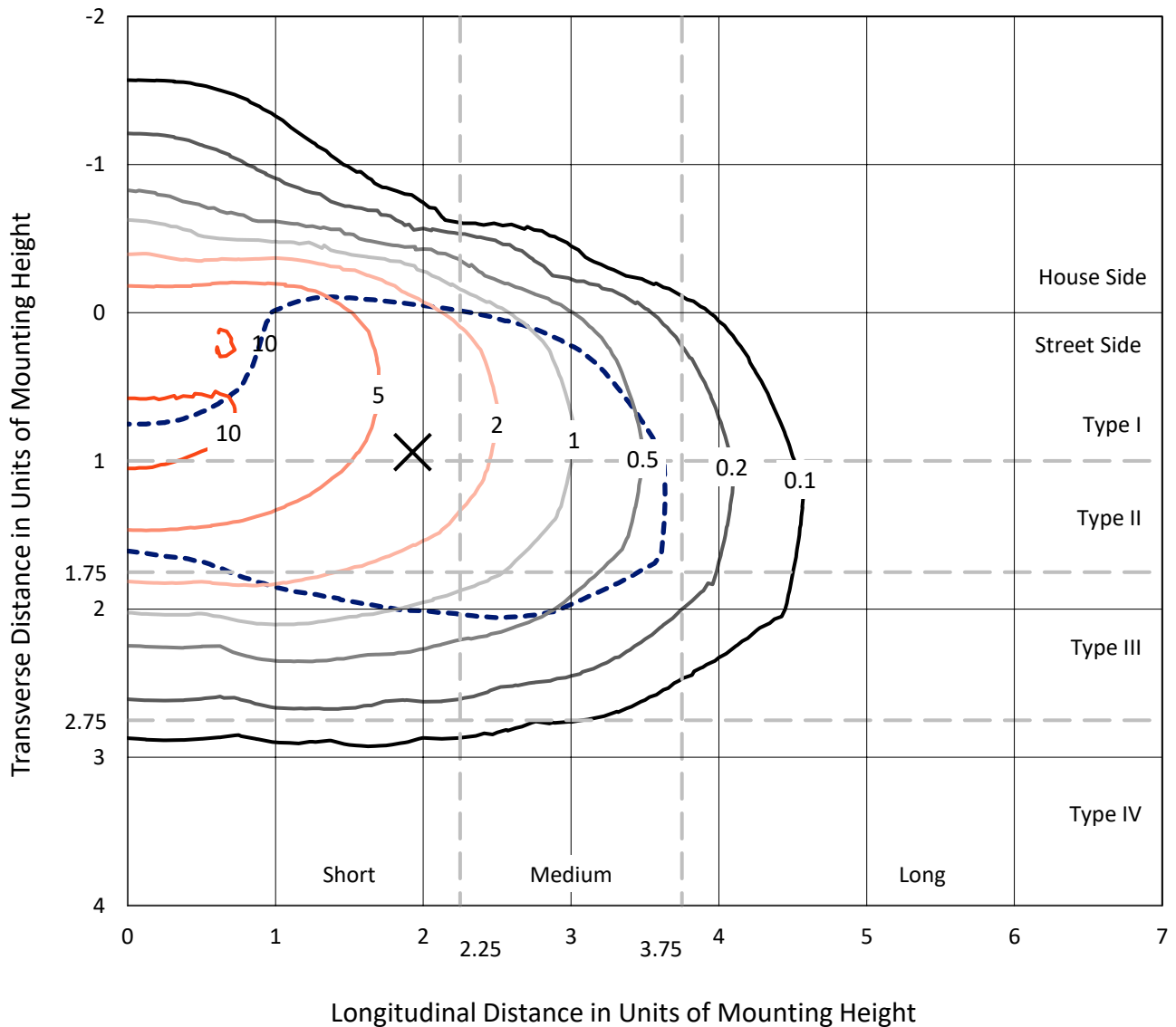
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

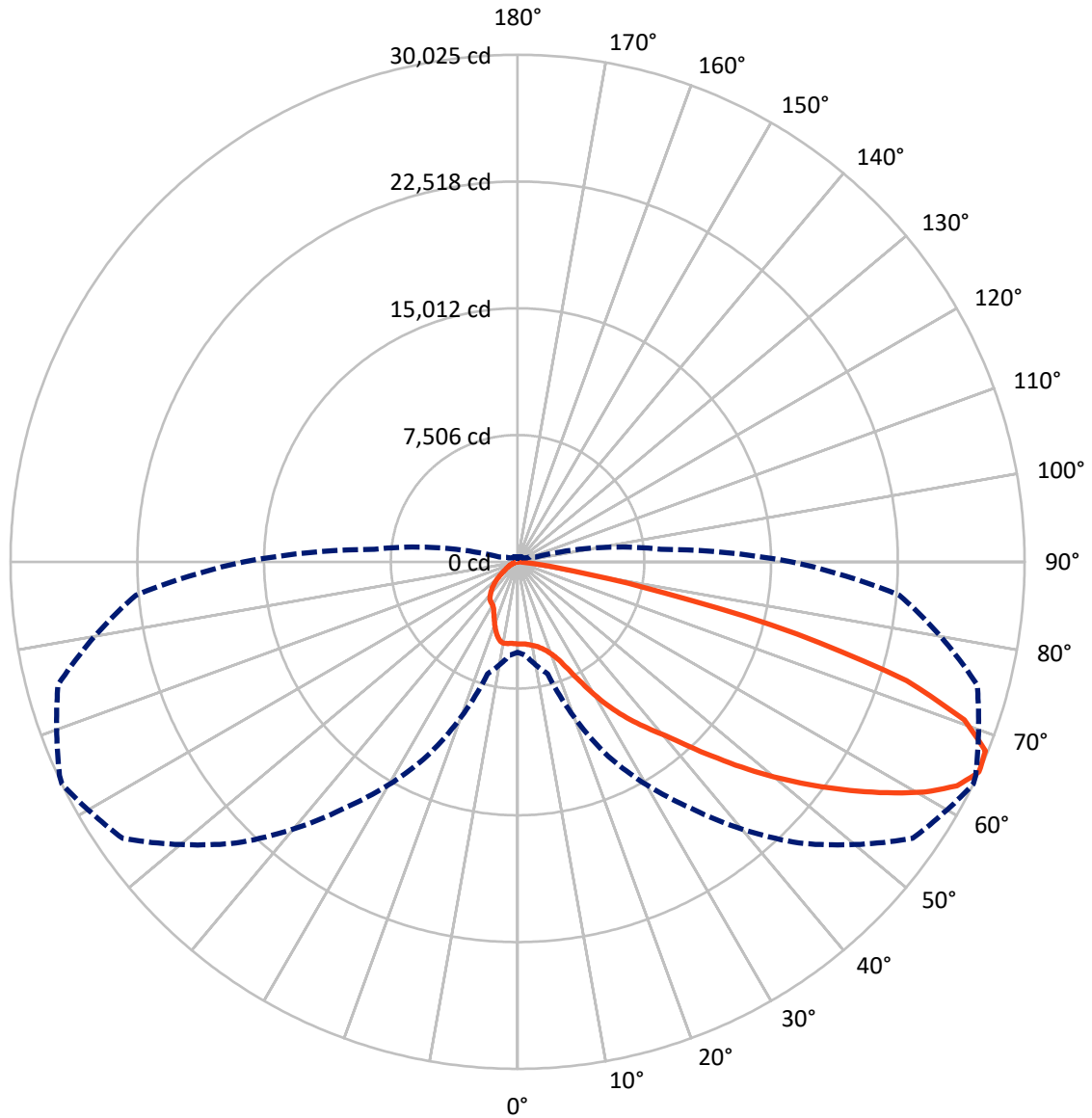
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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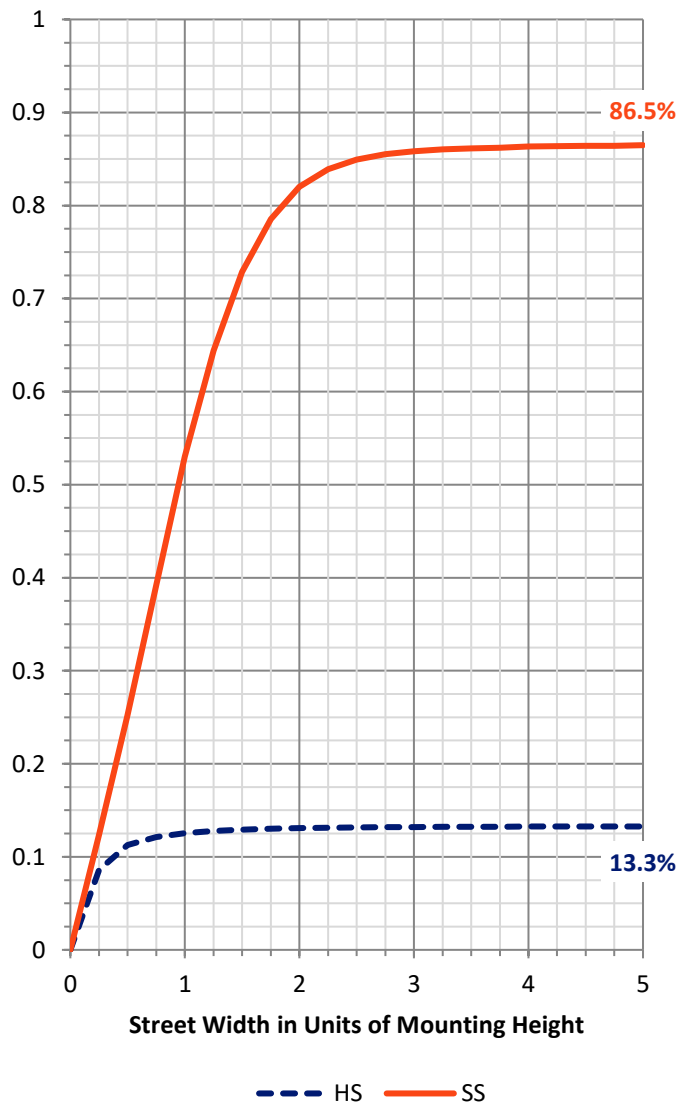
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5594.5	0.0	5594.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	36239.5	0.0	36239.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	41834.0	0.0	41834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.9	1.1
10°-20°	1217.6	2.9
20°-30°	2307.2	5.5
30°-40°	4668.7	11.2
40°-50°	7953.2	19.0
50°-60°	10815.7	25.9
60°-70°	10156.5	24.3
70°-80°	4069.1	9.7
80°-90°	197.1	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°	41834.0	100.0
0°-180°	41834.0	100.0

Coefficient of Utilization



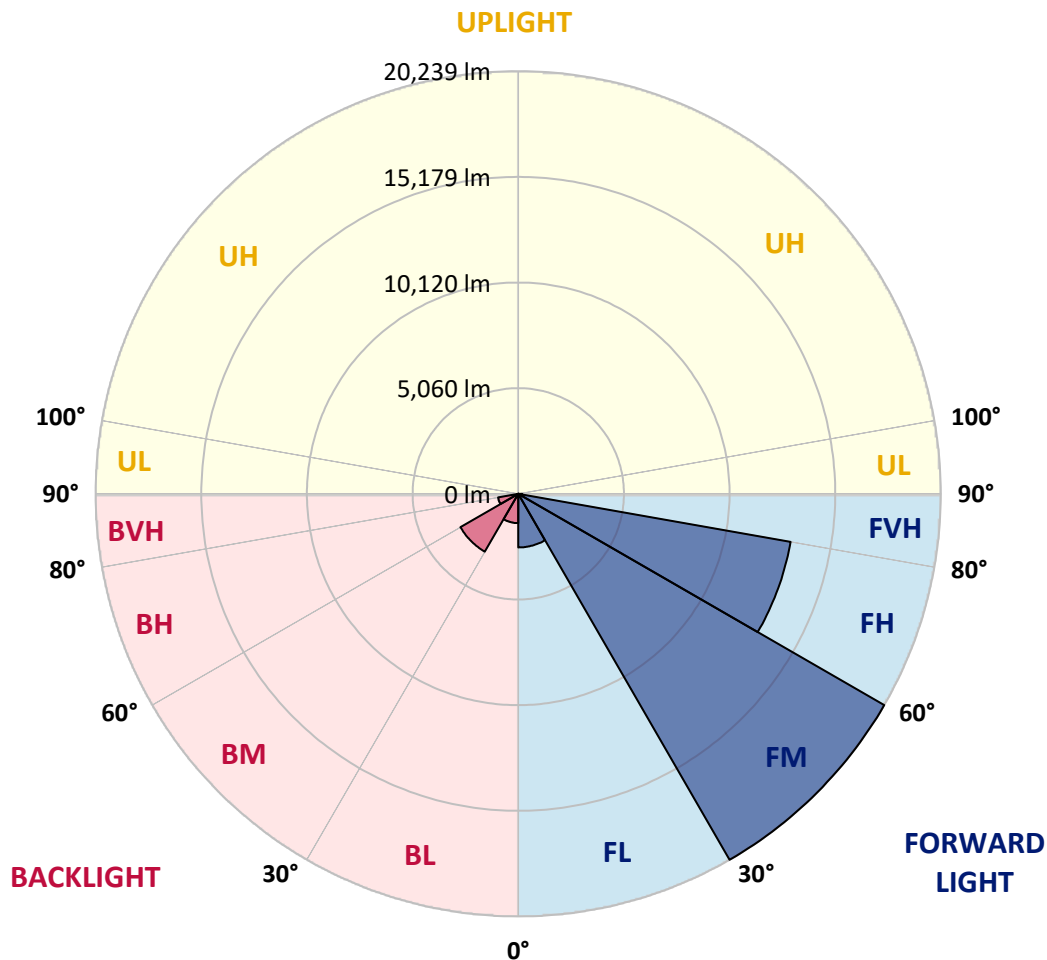
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2569.1	6.1			
FM (30°-60°)	20239.2	48.4			
FH (60°-80°)	13243.7	31.7			G5
FVH (80°-90°)	187.5	0.4			G2/225
BL (0°-30°)	1404.6	3.4	B3/2500		
BM (30°-60°)	3198.3	7.6	B3/5000		
BH (60°-80°)	981.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.6	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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7
2.5°	4848.9	4882.6	4874.1	4865.7	4862.9	4868.5	4871.3	4868.5	4868.5	4868.5
5°	4756.4	4784.4	4784.4	4804.0	4832.1	4865.7	4891.0	4896.6	4902.2	4910.6
7.5°	4579.7	4602.1	4618.9	4683.4	4753.6	4843.3	4919.0	4958.3	4963.9	4994.7
10°	4459.1	4487.1	4515.2	4582.5	4683.4	4818.1	4947.1	5042.4	5056.4	5129.3
12.5°	4453.5	4481.5	4518.0	4590.9	4708.7	4851.7	5008.8	5146.2	5171.4	5278.0
15°	4512.4	4546.0	4579.7	4669.4	4795.6	4969.5	5137.8	5308.8	5334.1	5485.5
17.5°	4633.0	4677.8	4703.1	4792.8	4927.4	5120.9	5342.5	5538.8	5561.2	5737.9
20°	4871.3	4924.6	4933.0	5006.0	5137.8	5345.3	5608.9	5852.9	5880.9	6082.9
22.5°	5364.9	5440.6	5373.3	5409.8	5527.6	5735.1	6021.2	6329.7	6368.9	6598.9
25°	6234.3	6340.9	6167.0	6105.3	6155.8	6371.7	6730.7	7120.5	7165.4	7350.5
27.5°	7942.2	7804.8	7541.2	7283.2	7131.7	7255.1	7659.0	8141.3	8197.4	8376.9
30°	9818.4	9697.8	9341.6	8769.5	8410.6	8390.9	8763.9	9302.4	9366.9	9537.9
32.5°	11697.4	11582.4	11195.4	10491.5	9868.9	9560.4	9818.4	10415.7	10449.4	10558.8
35°	13545.5	13427.7	13040.7	12320.0	11554.4	10853.2	10802.8	11475.8	11487.0	11602.0
37.5°	15404.9	15306.7	14894.5	14187.7	13433.3	12465.8	11997.5	12479.8	12493.8	12606.0
40°	16731.4	16773.4	16490.2	15943.3	15295.5	14238.2	13338.0	13548.3	13464.2	13652.1
42.5°	17870.0	17954.1	17707.3	17432.5	17056.7	16125.6	14998.2	14961.8	14827.2	14928.1
45°	18854.3	18924.5	18702.9	18638.4	18630.0	17976.6	16812.7	16594.0	16406.1	16386.4
47.5°	19216.1	19350.7	19446.1	19662.0	20082.7	19807.9	18688.9	18349.5	18139.2	17985.0
50°	19353.5	19496.6	19821.9	20450.1	21445.7	21563.5	20556.7	20175.2	19917.2	19636.8
52.5°	19168.4	19423.7	19861.1	20918.4	22362.7	22971.3	22348.7	22015.0	21720.5	21263.4
55°	18077.5	18332.7	19227.3	20912.8	22819.8	23958.5	24042.6	23894.0	23563.0	22842.3
57.5°	15777.9	16156.5	17572.7	20200.5	22811.4	24808.2	25702.8	25809.4	25439.2	24407.2
60°	12592.0	13105.2	14832.8	18621.6	22107.5	25268.1	27158.3	27691.2	27298.6	25949.6
62.5°	8786.4	9380.9	11015.9	16148.0	20497.8	24937.2	28221.2	29205.6	28908.3	27329.4
65°	5359.3	5550.0	6868.1	12707.0	17760.6	23551.8	28549.3	30024.5	29926.3	28173.6
67.5°	3570.1	3729.9	4108.5	8713.4	13786.7	20783.8	27764.1	29881.5	29909.5	28036.1
70°	2151.0	2288.4	2535.2	5067.6	8935.0	16450.9	25332.6	28058.6	28221.2	26199.2
72.5°	886.2	978.8	1203.1	2296.8	4627.3	10441.0	20172.4	24090.3	24468.9	22029.0
75°	502.0	549.7	706.7	1152.6	2008.0	4865.7	12219.0	17101.6	17659.7	15183.3
77.5°	333.7	356.2	457.1	746.0	1130.2	1660.2	5221.9	8909.8	9975.4	8292.8
80°	224.4	244.0	314.1	499.2	734.8	712.3	1663.0	3300.8	4060.9	2849.3
82.5°	151.4	154.2	224.4	328.1	465.5	344.9	490.8	1026.4	1290.0	824.5
85°	86.9	84.1	165.5	190.7	207.5	143.0	148.6	308.5	403.8	347.8
87.5°	11.2	16.8	64.5	50.5	28.0	30.8	30.8	53.3	78.5	84.1
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°
4865.7	0°	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7	4865.7
4871.3	2.5°	4871.3	4868.5	4860.1	4851.7	4832.1	4820.9	4826.5	4820.9	4818.1	4820.9
4907.8	5°	4907.8	4899.4	4876.9	4848.9	4809.6	4762.0	4731.1	4686.2	4644.2	4618.9
5006.0	7.5°	5006.0	4997.5	4966.7	4888.2	4762.0	4562.8	4380.6	4220.7	4100.1	4030.0
5163.0	10°	5163.0	5149.0	5101.3	4927.4	4596.5	4161.8	3800.0	3500.0	3303.6	3211.1
5348.1	12.5°	5348.1	5331.3	5247.1	4891.0	4282.4	3603.7	3104.5	2770.8	2588.5	2507.2
5561.2	15°	5566.8	5544.4	5378.9	4717.1	3825.3	2986.7	2529.6	2280.0	2162.2	2089.3
5833.3	17.5°	5838.9	5799.6	5477.1	4456.3	3328.9	2515.6	2176.3	1988.4	1884.6	1814.5
6189.4	20°	6192.2	6127.7	5555.6	4145.0	2871.8	2218.3	1937.9	1780.8	1702.3	1640.6
6694.2	22.5°	6685.8	6593.3	5651.0	3808.4	2549.2	2013.6	1761.2	1646.2	1581.7	1511.6
7398.2	25°	7297.2	7187.8	5768.8	3497.2	2327.7	1836.9	1632.2	1536.8	1461.1	1379.8
8320.8	27.5°	8152.5	7956.2	5909.0	3241.9	2137.0	1685.5	1514.4	1407.8	1320.9	1253.6
9366.9	30°	9106.1	8783.6	6032.4	3087.7	1963.1	1545.3	1360.2	1253.6	1172.3	1124.6
10306.4	32.5°	10009.1	9571.6	6113.7	3020.4	1806.1	1385.4	1191.9	1076.9	1015.2	1001.2
11226.2	35°	10861.7	10283.9	6105.3	2955.9	1665.8	1225.5	1026.4	908.6	861.0	869.4
12216.2	37.5°	11843.2	11043.9	6046.4	2854.9	1550.9	1079.7	883.4	779.6	737.6	740.4
13419.3	40°	12984.6	11921.7	6009.9	2664.2	1424.7	945.1	765.6	681.5	650.6	639.4
14686.9	42.5°	14201.8	12771.5	6015.6	2448.3	1267.6	824.5	684.3	614.2	586.1	577.7
16097.6	45°	15424.5	13582.0	6024.0	2223.9	1102.2	732.0	625.4	566.5	549.7	538.5
17527.8	47.5°	16574.3	14271.9	5866.9	1982.7	939.5	661.9	577.7	538.5	524.4	510.4
18963.7	50°	17645.6	14731.8	5488.3	1702.3	810.5	605.8	541.3	513.2	499.2	485.2
20265.0	52.5°	18478.6	14804.7	4862.9	1413.4	720.7	563.7	518.8	493.6	476.8	462.7
21316.7	55°	18848.7	14347.6	3973.9	1144.2	650.6	527.2	496.4	471.1	451.5	437.5
22144.0	57.5°	18753.4	13385.7	3098.9	919.9	583.3	490.8	468.3	451.5	429.1	406.6
22814.2	60°	18285.0	12098.4	2336.1	765.6	521.6	451.5	437.5	423.5	392.6	359.0
23072.2	62.5°	17474.6	10480.2	1665.8	633.8	454.3	406.6	401.0	389.8	344.9	283.2
22690.8	65°	16235.0	8514.3	1121.8	527.2	389.8	356.2	359.0	339.3	280.4	210.3
21294.2	67.5°	14423.3	6225.9	717.9	431.9	325.3	297.3	300.1	288.9	238.4	179.5
18646.8	70°	12115.2	4122.5	468.3	328.1	260.8	230.0	246.8	249.6	201.9	145.8
14311.1	72.5°	8881.7	2434.3	328.1	244.0	190.7	159.9	201.9	207.5	162.7	109.4
8609.7	75°	5062.0	1155.4	246.8	176.7	117.8	112.2	157.0	157.0	112.2	72.9
3727.1	77.5°	2125.8	482.4	173.9	115.0	67.3	64.5	106.6	98.2	56.1	33.7
908.6	80°	614.2	215.9	92.5	56.1	28.0	25.2	42.1	30.8	14.0	5.6
344.9	82.5°	241.2	95.4	36.5	22.4	11.2	11.2	5.6	0.0	0.0	0.0
196.3	85°	143.0	39.3	16.8	8.4	2.8	0.0	0.0	0.0	0.0	0.0
42.1	87.5°	36.5	8.4	5.6	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°
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4865.7
4832.1
4624.5
4032.8
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2498.8
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1239.6
1116.2
1009.6
869.4
751.6
636.6
574.9
538.5
510.4
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