

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: P851643

Luminaire Tested: **GLAN-SB9D-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71846 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

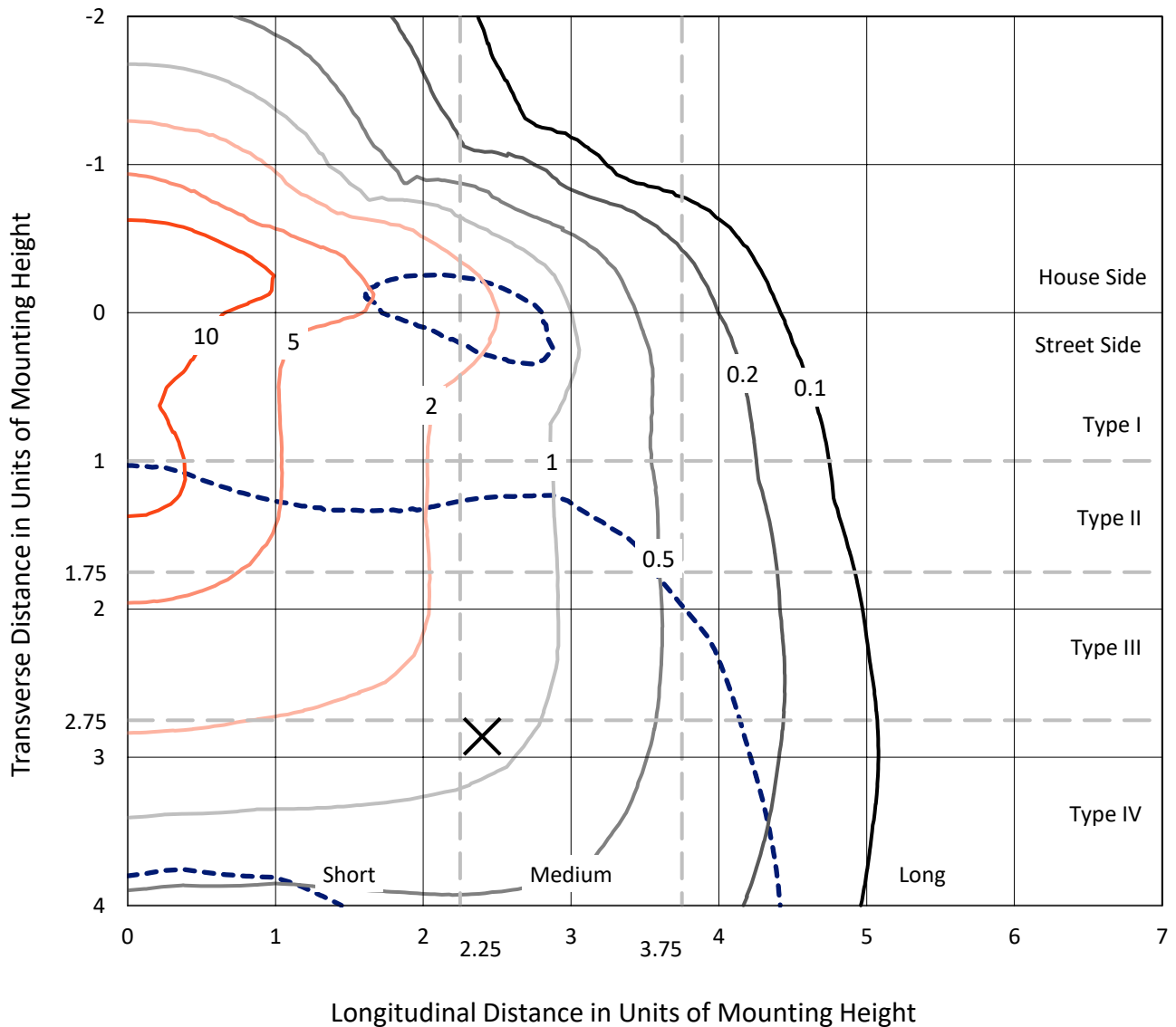
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851643
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Iso-Footcandle Lines of Horizontal Illumination

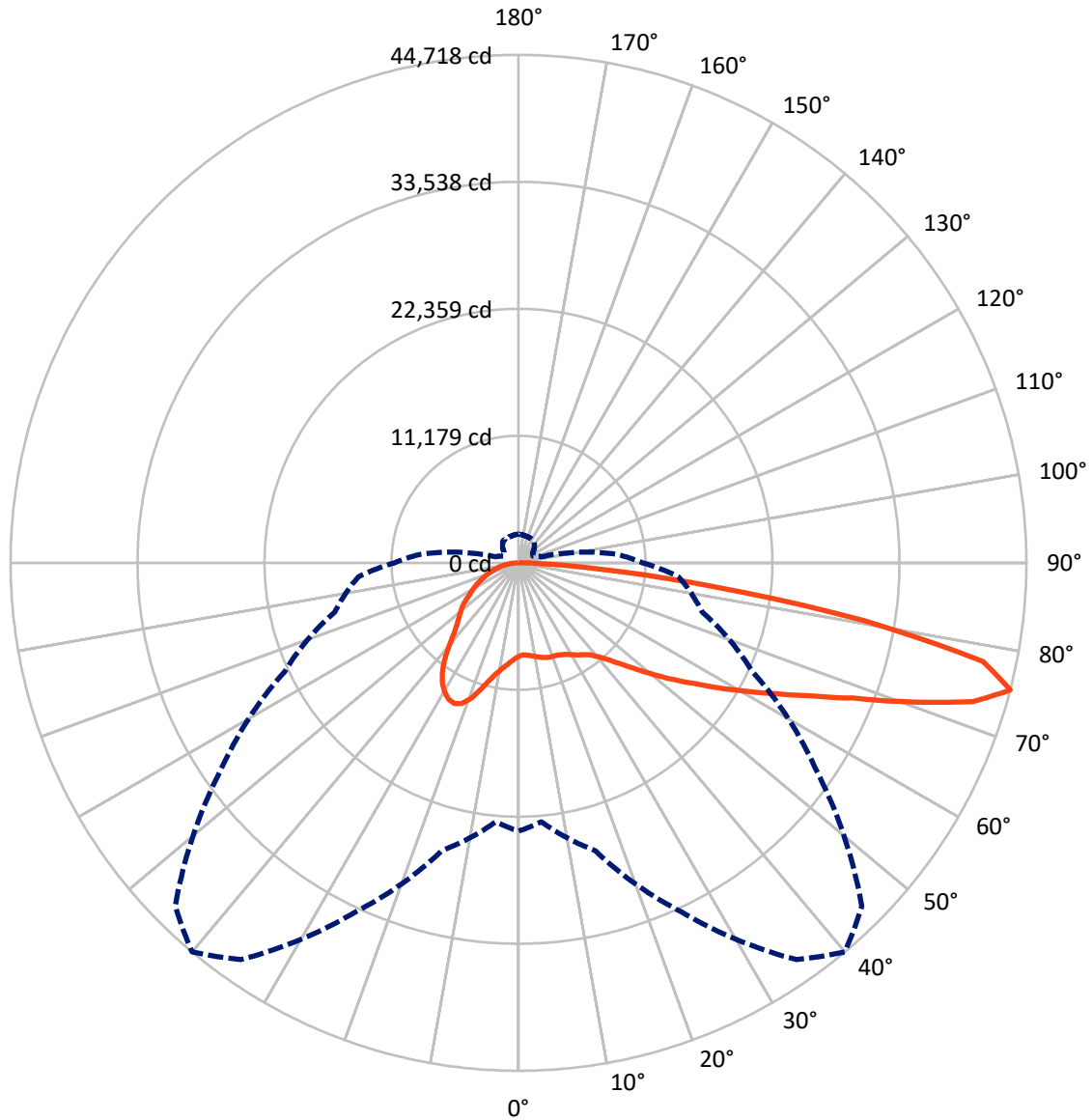
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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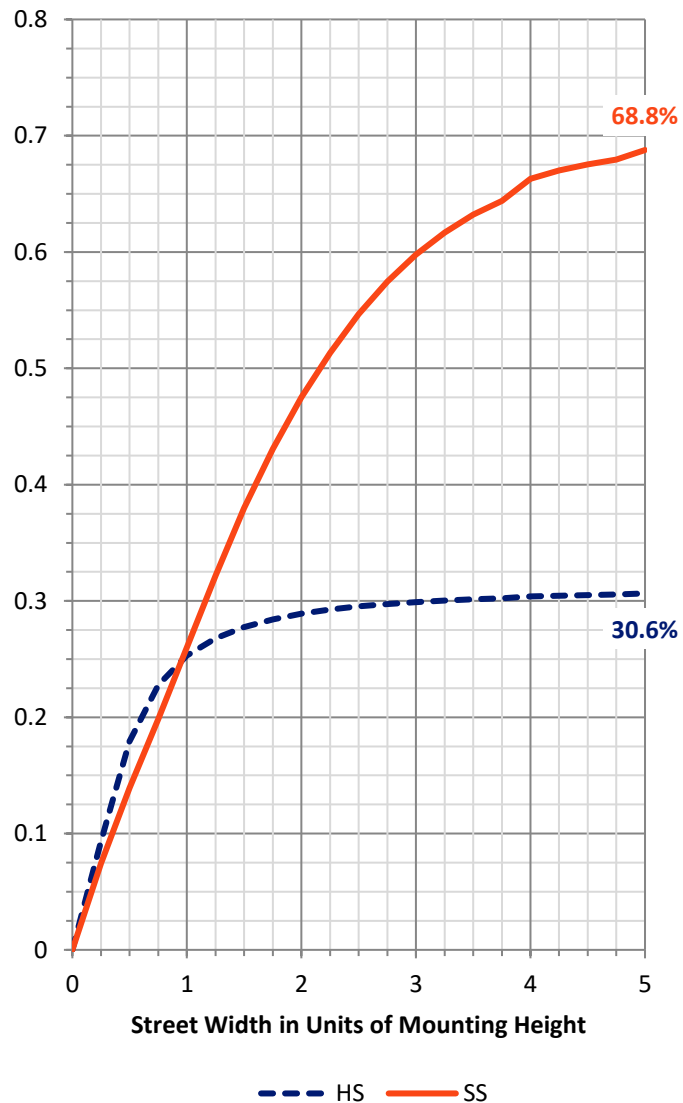
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22260.3	0.0	22260.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	49585.7	0.0	49585.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	71846.0	0.0	71846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.1	1.1
10°-20°	2753.4	3.8
20°-30°	5027.5	7.0
30°-40°	7130.3	9.9
40°-50°	9628.1	13.4
50°-60°	12952.4	18.0
60°-70°	16439.5	22.9
70°-80°	14919.9	20.8
80°-90°	2174.8	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°	71846.0	100.0
0°-180°	71846.0	100.0

Coefficient of Utilization

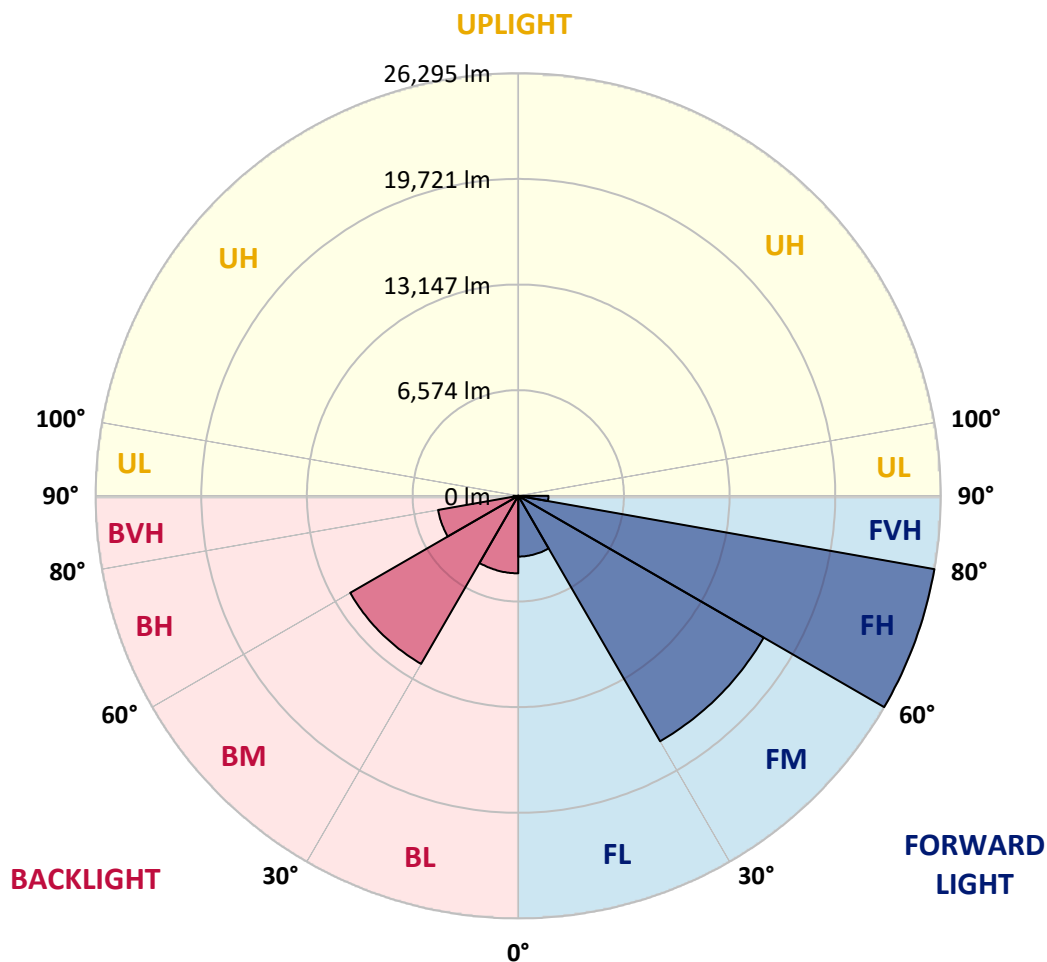


REPORT NUMBER: P851643
 CATALOG NUMBER: GLAN-SB9D-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3779.2	5.3			
FM (30°-60°)	17636.6	24.5			
FH (60°-80°)	26294.5	36.6			G5
FVH (80°-90°)	1875.4	2.6			G5
BL (0°-30°)	4821.8	6.7	B4/5000		
BM (30°-60°)	12074.2	16.8	B5		
BH (60°-80°)	5064.9	7.0	B5		G5
BVH (80°-90°)	299.4	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



REPORT NUMBER: P851643
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7
2.5°	8089.9	8135.7	8124.2	8109.0	8109.0	8112.8	8109.0	8135.7	8162.3	8189.0
5°	8173.8	8219.5	8196.6	8177.6	8162.3	8158.5	8147.1	8143.3	8158.5	8192.8
7.5°	8337.6	8383.4	8349.1	8314.8	8284.3	8269.0	8253.8	8230.9	8219.5	8238.5
10°	8520.5	8566.3	8524.3	8463.4	8413.8	8394.8	8379.5	8356.7	8341.4	8352.9
12.5°	8703.4	8749.2	8692.0	8608.2	8543.4	8532.0	8512.9	8505.3	8501.5	8497.7
15°	8874.9	8913.0	8840.6	8741.6	8673.0	8653.9	8634.9	8646.3	8665.3	8688.2
17.5°	9008.3	9046.4	8939.7	8810.1	8745.4	8737.7	8726.3	8764.4	8817.8	8874.9
20°	9130.2	9168.3	9031.2	8855.9	8779.7	8779.7	8783.5	8863.5	8939.7	9023.5
22.5°	9301.7	9332.2	9164.5	8924.5	8814.0	8821.6	8852.1	8932.1	9027.3	9141.7
25°	9557.0	9579.9	9374.1	9054.0	8928.3	8951.1	8977.8	9015.9	9107.4	9240.7
27.5°	9968.6	9987.6	9717.1	9282.7	9092.1	9130.2	9168.3	9141.7	9183.6	9297.9
30°	10547.8	10559.2	10216.3	9640.9	9370.3	9389.4	9397.0	9286.5	9206.4	9297.9
32.5°	11233.7	11229.9	10822.1	10075.3	9686.6	9667.5	9602.7	9385.5	9198.8	9278.8
35°	12296.9	12254.9	11729.1	10685.0	10044.8	9926.7	9774.2	9496.1	9236.9	9259.8
37.5°	14057.4	13927.8	13200.0	11683.3	10578.3	10277.2	10052.4	9675.2	9320.8	9252.2
40°	16042.7	15878.8	15078.6	13051.4	11378.5	10894.5	10532.5	9930.5	9457.9	9286.5
42.5°	18397.6	18165.2	17304.0	14663.2	12392.1	11691.0	11146.0	10254.4	9659.9	9397.0
45°	21289.9	20981.2	19761.8	16480.9	13668.7	12735.1	12007.2	10745.9	9968.6	9610.4
47.5°	24212.6	24288.9	22555.0	18561.5	15200.5	14023.1	13085.7	11485.2	10418.2	9953.3
50°	27318.3	27371.6	25333.0	20866.9	16938.2	15478.7	14297.4	12312.1	11043.2	10441.1
52.5°	29741.8	29749.5	27855.6	23279.0	18748.2	17079.2	15604.5	13257.1	11767.2	11088.9
55°	31258.5	31239.4	29623.7	25561.6	20828.8	18759.7	17052.5	14331.7	12651.2	11851.0
57.5°	32359.7	32302.6	30843.1	27524.1	23046.6	20745.0	18691.1	15551.1	13695.4	12757.9
60°	32778.9	32744.6	31670.0	29219.8	25378.7	22939.9	20581.1	16915.3	14880.5	13828.7
62.5°	32939.0	33003.7	32481.7	30862.2	27874.6	25371.1	22657.9	18546.3	16214.2	15040.5
65°	33502.9	33621.1	33514.4	33011.4	30694.5	28217.6	25413.0	20485.9	17669.8	16339.9
67.5°	34619.4	34737.6	34783.3	35583.5	34139.3	31765.3	28850.2	22901.8	19373.2	17688.9
70°	34592.8	34558.5	35366.3	37629.8	38452.9	36677.2	33483.9	25874.1	21404.2	18809.2
72.5°	31487.1	31212.7	33121.9	37607.0	42042.5	41806.3	39142.6	29707.6	23157.1	18946.4
75°	23622.0	22890.4	26262.8	33891.6	42640.8	44717.6	42739.9	32085.4	22741.8	16740.0
77.5°	10101.9	9366.5	13341.0	25089.1	38163.3	41802.4	39439.9	27992.8	18153.8	11069.8
80°	2644.6	2640.8	4031.6	11374.7	25954.1	30869.8	27082.0	18077.6	10372.5	3955.4
82.5°	1093.6	1067.0	1482.3	4424.1	12681.7	17323.1	14137.4	8063.3	3745.8	1070.8
85°	407.7	403.9	720.2	1528.1	4473.7	7144.9	5171.0	2061.5	933.6	522.1
87.5°	114.3	110.5	156.2	529.7	1089.8	1653.8	884.1	339.1	262.9	205.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851643
 CATALOG NUMBER: GLAN-SB9D-722-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8215.7	0°	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7	8215.7
8230.9	2.5°	8242.4	8261.4	8295.7	8322.4	8356.7	8394.8	8448.1	8482.4	8516.7	8539.6
8250.0	5°	8276.7	8318.6	8406.2	8493.9	8596.7	8692.0	8802.5	8882.5	8947.3	8966.4
8318.6	7.5°	8352.9	8421.5	8570.1	8718.7	8882.5	9038.8	9198.8	9336.0	9446.5	9488.4
8440.5	10°	8486.2	8577.7	8787.3	8996.9	9214.1	9454.1	9659.9	9858.1	10014.3	10079.1
8585.3	12.5°	8653.9	8768.2	9042.6	9332.2	9633.2	9964.8	10231.5	10475.4	10669.7	10757.4
8787.3	15°	8871.1	9019.7	9370.3	9759.0	10201.0	10662.1	11001.2	11271.8	11489.0	11595.7
8996.9	17.5°	9107.4	9305.5	9747.6	10334.4	10966.9	11572.8	11969.1	12167.3	12392.1	12495.0
9191.2	20°	9336.0	9579.9	10212.4	11066.0	11908.2	12552.2	12872.3	12925.6	12940.8	12952.3
9374.1	22.5°	9572.3	9900.0	10795.5	11988.2	12891.3	13337.2	13382.9	13154.2	12834.2	12685.5
9553.2	25°	9831.4	10265.8	11557.6	13005.6	13737.3	13790.6	13440.0	12883.7	12277.8	11999.6
9698.0	27.5°	10082.9	10688.8	12472.1	13977.3	14347.0	13878.3	13123.8	12335.0	11603.3	11309.9
9800.9	30°	10334.4	11172.7	13482.0	14827.1	14625.1	13661.1	12624.6	11744.3	11008.9	10700.2
9892.4	32.5°	10589.7	11736.7	14644.2	15440.6	14575.6	13200.0	12003.4	11081.3	10433.5	10109.6
9972.4	35°	10879.3	12430.2	15745.5	15775.9	14244.1	12521.7	11184.2	10288.7	9724.7	9465.6
10067.6	37.5°	11256.6	13310.5	16717.2	15859.8	13664.9	11527.1	10166.7	9351.2	8886.4	8768.2
10208.6	40°	11725.3	14369.8	17460.2	15726.4	12807.5	10319.1	9054.0	8402.4	8139.5	8166.1
10399.2	42.5°	12335.0	15554.9	17982.3	15383.5	11614.8	9073.1	8078.5	7788.9	7914.6	8021.3
10685.0	45°	13127.6	16785.8	18306.2	14800.4	10265.8	8017.5	7503.1	7571.7	7667.0	7678.4
11146.0	47.5°	14141.2	18031.8	18519.6	13920.2	8890.2	7274.5	7137.3	7152.5	7133.5	7053.4
11835.8	50°	15406.3	19243.6	18710.1	12754.1	7720.3	6809.6	6626.7	6573.3	6310.4	6051.3
12754.1	52.5°	16846.7	20356.3	18790.1	11306.1	6809.6	6420.9	6123.7	5788.3	5296.8	5216.7
13908.7	55°	18447.2	21385.2	18584.4	9526.5	6043.6	5921.7	5472.0	5068.1	5014.8	4946.2
15429.2	57.5°	20360.1	22494.1	18165.2	7541.2	5258.6	5338.7	4900.5	4946.2	4850.9	4744.2
17384.0	60°	22452.1	23641.1	17429.8	5731.2	4447.0	4610.8	4751.8	4748.0	4721.4	4633.7
19445.6	62.5°	24334.6	24395.6	15981.7	4389.8	3734.4	4046.9	4431.7	4427.9	4405.1	4355.5
21598.6	65°	25454.9	24281.2	13565.8	3456.2	3147.6	3582.0	3997.3	4027.8	4031.6	4027.8
23218.1	67.5°	25256.8	22943.7	10250.6	2751.3	2663.6	3109.5	3566.7	3608.7	3639.1	3646.8
23423.9	70°	23016.1	20005.7	6683.8	2194.9	2233.0	2694.1	3159.0	3200.9	3227.6	3258.1
20325.8	72.5°	17940.4	14709.0	3825.9	1775.7	1855.8	2335.9	2755.1	2804.6	2819.9	2877.0
14145.0	75°	10932.7	8650.1	2065.4	1398.5	1524.2	1996.8	2355.0	2412.1	2438.8	2507.4
6946.8	77.5°	5197.7	3745.8	1177.5	1089.8	1227.0	1630.9	1989.1	2053.9	1981.5	2019.6
1916.7	80°	1756.7	1390.9	743.1	830.7	937.4	1272.7	1592.8	1657.6	1505.2	1497.6
636.4	82.5°	613.5	564.0	472.5	552.5	605.9	910.7	1204.2	1288.0	1120.3	1116.5
285.8	85°	240.1	228.6	262.9	301.0	362.0	560.2	792.6	834.5	689.7	556.3
83.8	87.5°	49.5	53.3	64.8	68.6	110.5	194.3	285.8	350.6	278.2	236.3
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°
8215.7
8524.3
8974.0
9492.2
10082.9
10757.4
11588.1
12491.2
12982.8
12727.5
12041.5
11344.2
10734.5
10151.5
9522.7
8852.1
8257.6
8120.4
7754.6
7114.4
6085.6
5243.4
4957.6
4725.2
4603.2
4336.5
4027.8
3654.4
3273.3
2899.9
2515.0
1989.1
1482.3
1063.2
548.7
217.2
0.0

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