

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: P853103

Luminaire Tested: **GLAN-SB8D-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63597 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

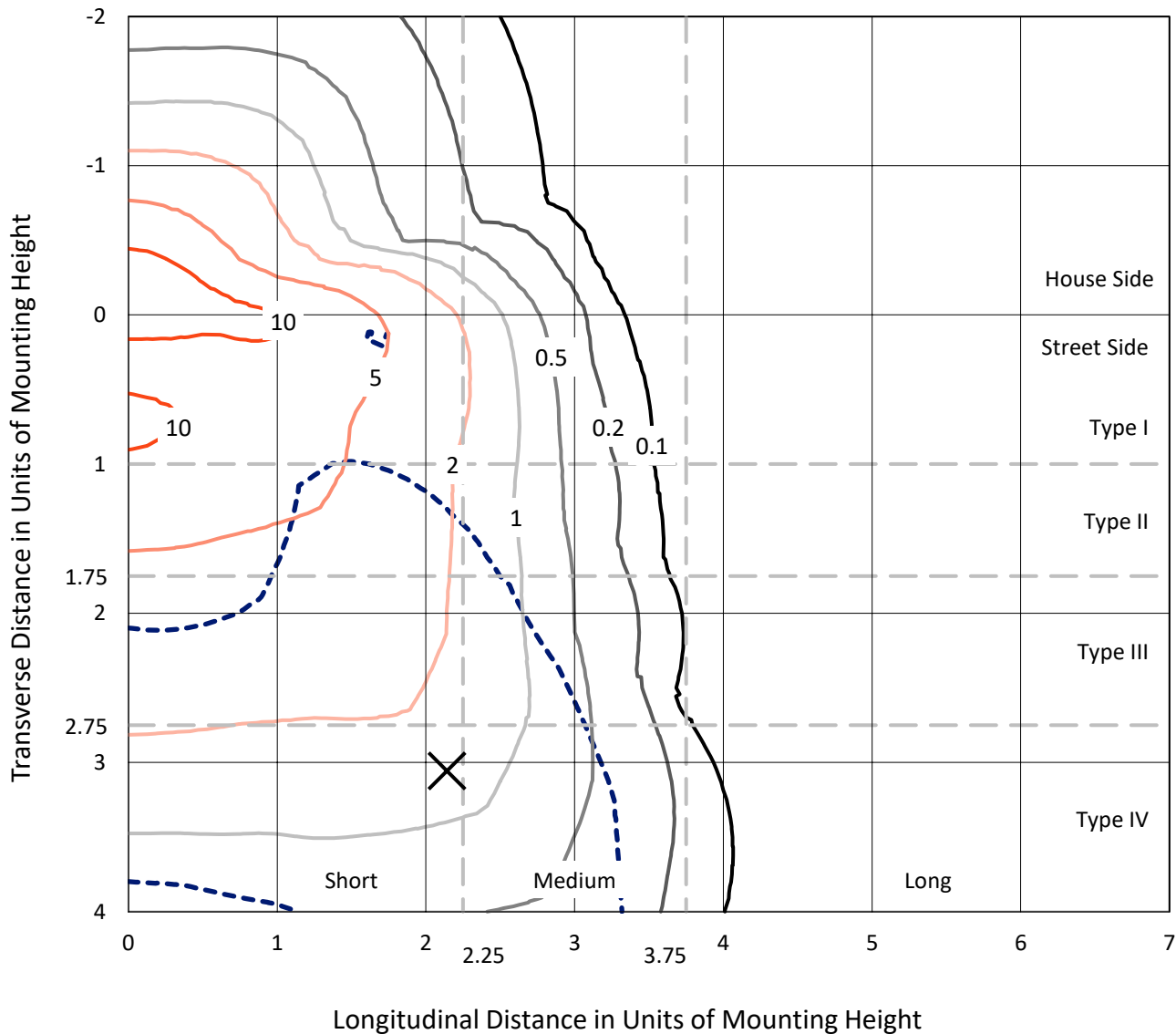
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

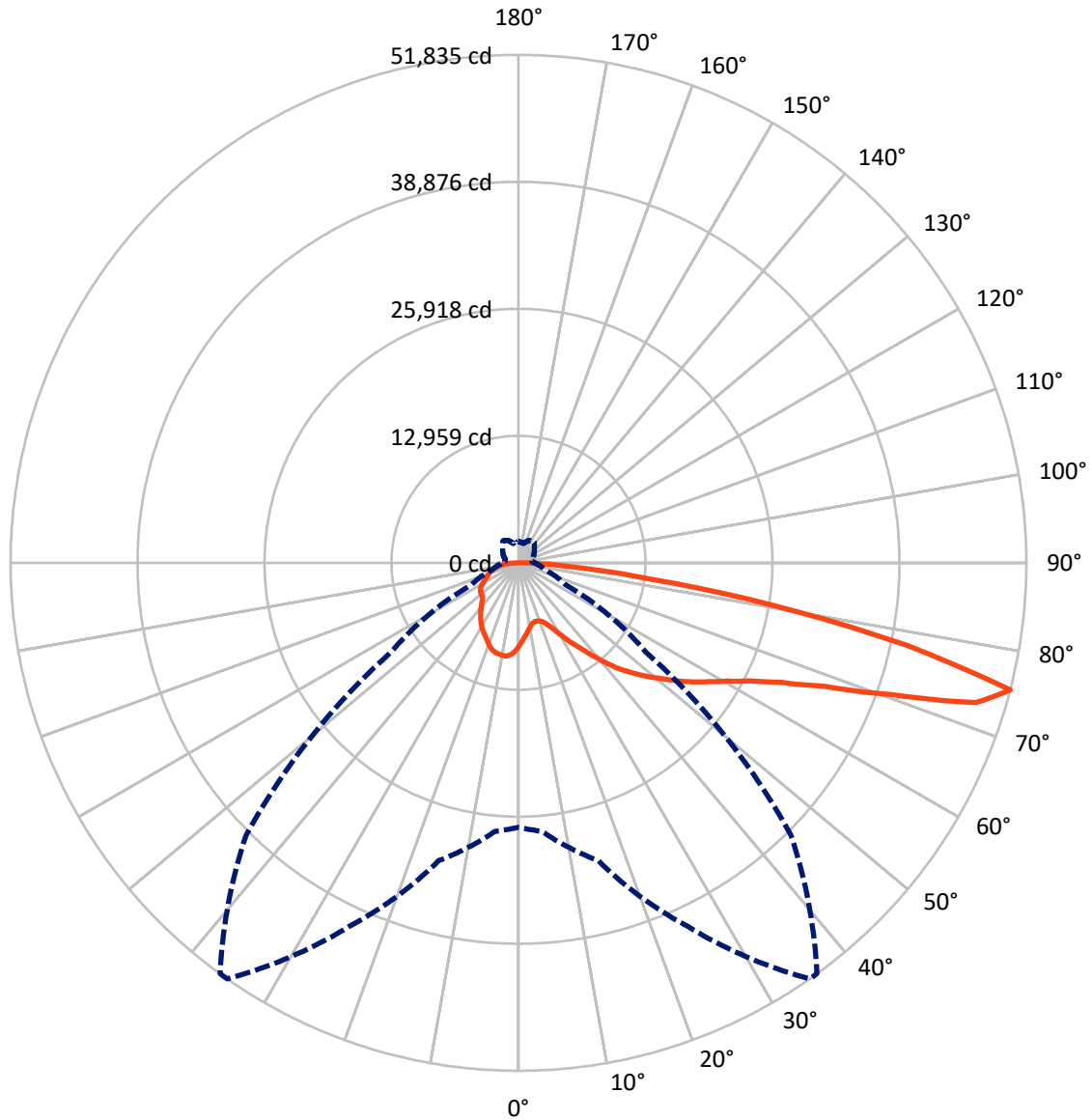
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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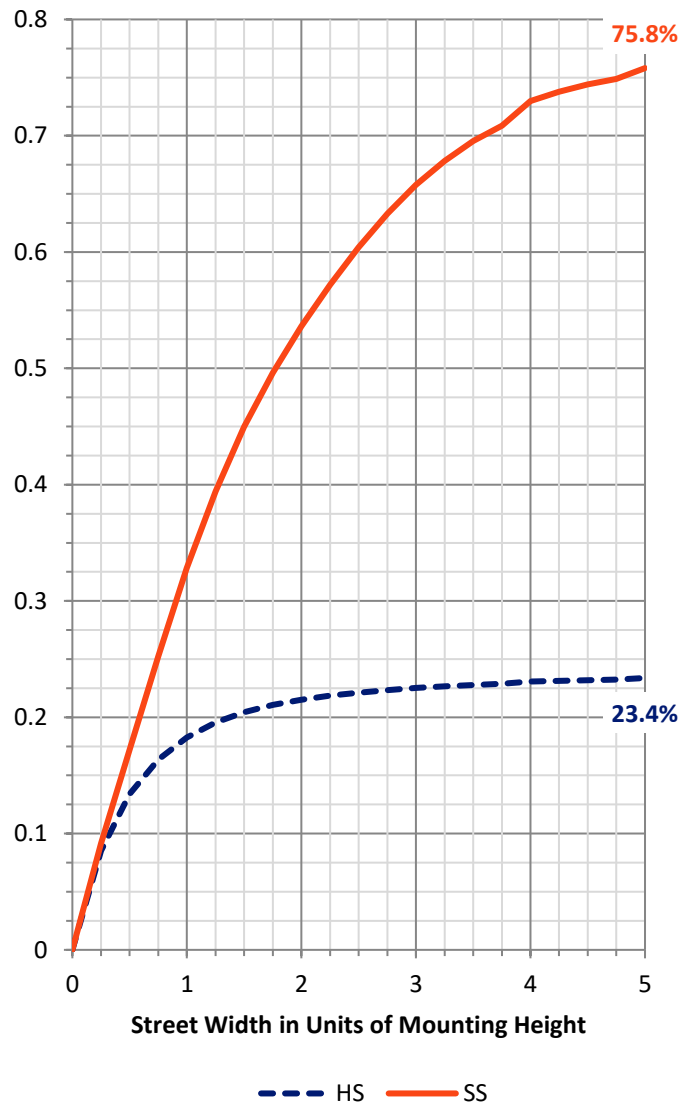
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15134.5	0.0	15134.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	48462.5	0.0	48462.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	63597.0	0.0	63597.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.4	1.3
10°-20°	2314.4	3.6
20°-30°	3886.5	6.1
30°-40°	6040.2	9.5
40°-50°	8965.3	14.1
50°-60°	12377.1	19.5
60°-70°	15016.3	23.6
70°-80°	12409.8	19.5
80°-90°	1784.9	2.8
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°	63597.0	100.0
0°-180°	63597.0	100.0

Coefficient of Utilization

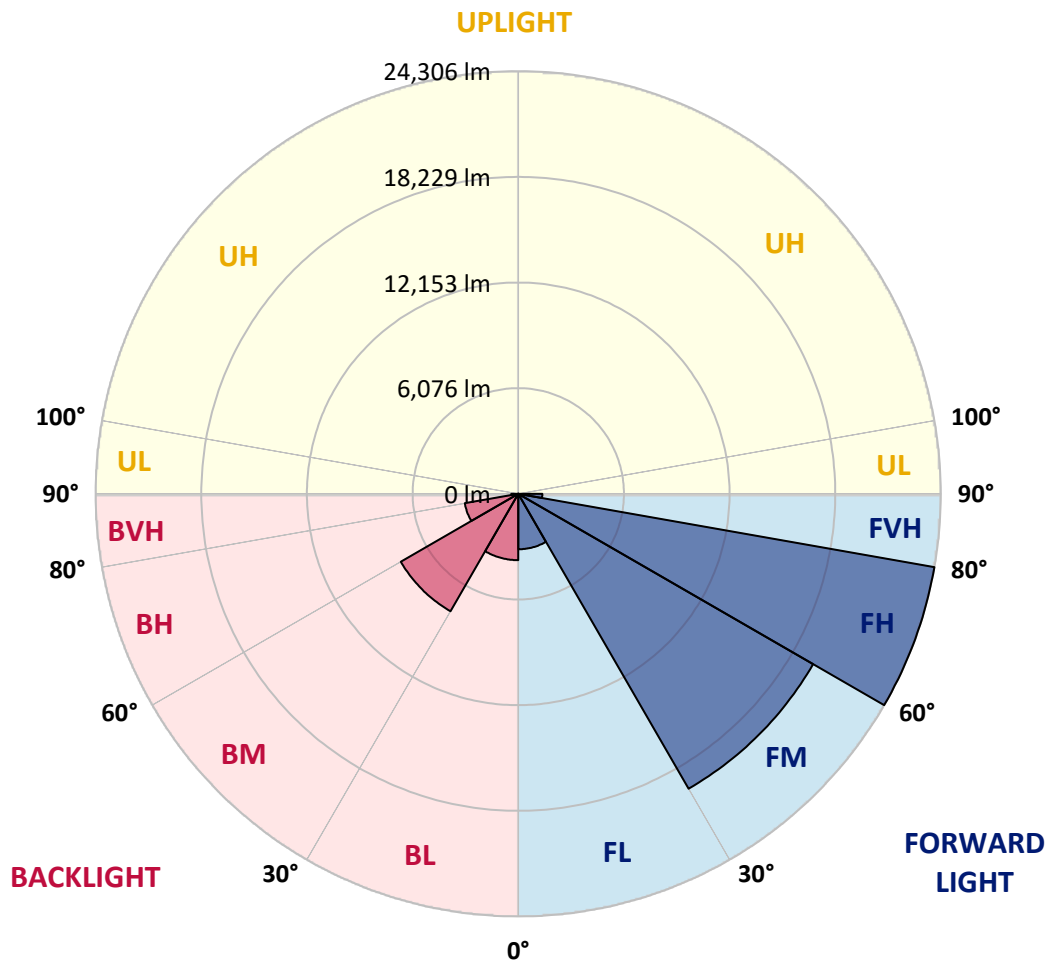


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3189.3	5.0			
FM (30°-60°)	19584.4	30.8			
FH (60°-80°)	24305.8	38.2			G5
FVH (80°-90°)	1383.0	2.2			G5
BL (0°-30°)	3814.1	6.0	B4/5000		
BM (30°-60°)	7798.2	12.3	B4/8500		
BH (60°-80°)	3120.3	4.9	B4/5000		G4/5000
BVH (80°-90°)	401.9	0.6			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7
2.5°	7814.6	7862.8	7883.4	7873.1	7924.6	7917.8	7990.0	8079.4	8203.1	8323.5
5°	7213.0	7264.5	7309.2	7350.5	7450.2	7481.1	7594.6	7766.5	7993.4	8223.8
7.5°	6652.6	6697.3	6766.0	6841.7	7010.1	7041.1	7230.2	7498.3	7814.6	8151.6
10°	6195.3	6240.0	6312.2	6398.2	6607.9	6645.7	6886.4	7243.9	7656.5	8082.8
12.5°	5999.4	6013.1	6054.4	6140.3	6322.5	6346.6	6611.3	7020.4	7501.8	8031.2
15°	5989.0	6016.5	6020.0	6064.7	6215.9	6226.3	6470.4	6876.0	7405.5	8020.9
17.5°	6092.2	6112.8	6081.9	6109.4	6236.6	6253.8	6446.3	6807.3	7374.6	8065.6
20°	6367.2	6384.4	6291.6	6253.8	6346.6	6360.3	6549.4	6852.0	7405.5	8158.4
22.5°	6951.7	6962.0	6735.1	6580.4	6587.3	6594.1	6759.2	7034.2	7525.8	8326.9
25°	7862.8	7855.9	7494.9	7195.8	7023.9	6986.1	7096.1	7329.9	7728.7	8550.4
27.5°	8928.5	8877.0	8516.0	8069.0	7694.3	7639.3	7615.2	7714.9	8017.5	8846.0
30°	10131.9	10083.7	9695.2	9110.8	8591.6	8502.2	8275.3	8223.8	8447.2	9248.3
32.5°	11452.1	11421.1	10957.0	10248.8	9554.3	9451.1	9069.5	8932.0	9107.3	9856.8
35°	12559.1	12531.6	12146.5	11417.7	10568.5	10441.3	10052.8	9898.1	9987.5	10637.2
37.5°	13559.6	13545.8	13215.8	12641.6	11764.9	11610.2	11173.6	11122.0	11104.8	11665.2
40°	14487.8	14453.5	14109.7	13807.1	13157.3	13016.4	12631.3	12586.6	12456.0	12930.4
42.5°	15515.8	15426.4	14927.9	14786.9	14611.6	14494.7	14264.4	14271.2	13982.4	14357.2
45°	16354.7	16303.1	15790.8	15708.3	15897.4	15849.3	16048.7	16100.3	15539.9	15852.7
47.5°	17255.4	17207.3	16774.1	16715.7	17227.9	17241.7	17946.5	17963.7	17059.5	17406.7
50°	18365.9	18297.2	17867.4	17939.6	18513.8	18565.3	19854.6	19737.7	18458.8	18984.8
52.5°	19098.2	19139.5	19046.7	19163.5	19947.4	19995.6	21731.8	21432.6	19844.3	20542.2
55°	19638.0	19720.5	20009.3	20277.5	21460.1	21508.3	23502.3	23045.1	20992.6	21986.2
57.5°	20332.5	20215.6	20755.4	21277.9	22897.2	23024.5	25224.8	24599.1	22010.2	23230.7
60°	21329.5	21247.0	21666.4	22440.0	24506.2	24709.1	27046.9	25998.3	22756.3	24217.4
62.5°	23351.1	23144.8	23210.1	23894.3	26534.7	26802.8	29102.9	27218.8	23127.6	24602.5
65°	26373.1	26019.0	25688.9	26163.4	29391.7	29656.4	31423.5	28178.0	22990.1	23856.5
67.5°	30179.0	29828.3	29422.6	29869.6	33599.8	33809.5	34287.4	28717.8	21907.1	20982.3
70°	33317.9	33187.3	33672.0	35511.4	40321.2	40328.0	37959.2	28270.9	18940.1	14876.3
72.5°	32901.9	32822.8	35377.3	41063.8	48792.4	48610.2	41435.1	24887.9	12758.5	6711.0
75°	26991.9	27504.2	31461.4	40964.1	51835.1	51811.0	39306.9	15821.8	5277.4	2781.4
77.5°	14474.1	15285.5	20425.3	30244.3	40465.5	41074.1	27634.8	5535.2	2265.7	1780.9
80°	4720.4	5428.6	8141.2	15398.9	26294.0	26180.6	11844.0	2172.8	1550.5	1261.8
82.5°	2004.4	2086.9	3637.4	7271.4	13494.2	13284.5	3771.5	1248.0	1089.9	862.9
85°	783.9	876.7	1605.6	3362.4	5844.6	5717.4	1361.5	618.8	697.9	563.8
87.5°	257.9	312.9	574.2	1151.7	1818.7	1753.4	333.5	213.2	302.5	257.9
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°
8474.7	0°	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7	8474.7
8498.8	2.5°	8546.9	8601.9	8667.3	8763.5	8846.0	8914.8	8987.0	9031.7	9048.9	9100.5
8512.5	5°	8608.8	8729.1	8890.7	9048.9	9203.6	9296.4	9378.9	9420.2	9458.0	9485.5
8550.4	7.5°	8712.0	8866.7	9121.1	9327.4	9458.0	9533.6	9588.7	9574.9	9588.7	9595.5
8591.6	10°	8801.3	9017.9	9320.5	9516.5	9616.2	9619.6	9605.8	9557.7	9533.6	9537.1
8653.5	12.5°	8907.9	9148.6	9475.2	9640.2	9667.7	9592.1	9533.6	9451.1	9420.2	9406.4
8746.3	15°	9052.3	9327.4	9643.7	9705.5	9636.8	9540.5	9440.8	9306.7	9238.0	9183.0
8904.5	17.5°	9227.7	9530.2	9774.3	9729.6	9581.8	9423.6	9262.0	9059.2	8918.2	8859.8
9121.1	20°	9471.8	9743.4	9874.0	9678.0	9454.6	9213.9	8938.9	8691.3	8560.7	8502.2
9396.1	22.5°	9767.4	10028.7	9970.3	9588.7	9272.4	8887.3	8543.5	8361.3	8296.0	8254.7
9750.2	25°	10121.5	10345.0	10039.0	9458.0	8973.2	8454.1	8189.4	8130.9	8100.0	8069.0
10183.4	27.5°	10582.2	10702.6	10090.6	9265.5	8505.7	7993.4	7897.1	7907.5	7897.1	7845.6
10785.1	30°	11190.8	11166.7	10138.7	8952.6	7969.3	7577.4	7584.3	7629.0	7635.9	7601.5
11624.0	32.5°	11991.8	11747.7	10162.8	8546.9	7457.1	7213.0	7219.9	7268.0	7302.4	7243.9
12720.7	35°	12961.4	12425.0	10125.0	8038.1	7061.7	6865.7	6814.2	6827.9	6838.2	6783.2
14051.2	37.5°	14092.5	13184.8	9956.5	7474.3	6735.1	6525.4	6415.4	6322.5	6267.5	6215.9
15557.1	40°	15333.6	14013.4	9647.1	6924.2	6370.7	6164.4	5999.4	5824.0	5638.4	5569.6
17152.3	42.5°	16633.2	14866.0	9272.4	6398.2	5951.2	5782.8	5607.4	5353.0	5074.5	4933.6
18809.4	45°	17980.9	15739.3	8904.5	5879.0	5521.5	5449.3	5246.4	4940.4	4637.9	4459.1
20470.0	47.5°	19301.1	16564.4	8364.7	5356.4	5119.2	5198.3	5040.1	4758.2	4421.3	4139.4
22116.8	50°	20562.8	17338.0	7481.1	4827.0	4792.6	5122.7	4971.4	4565.7	4180.6	3819.6
23732.7	52.5°	21814.3	17963.7	6350.0	4345.7	4617.3	5102.0	4882.0	4435.1	3964.0	3585.9
25252.3	55°	22876.6	18286.9	5260.2	3933.1	4362.9	4926.7	4775.4	4280.3	3658.1	3255.8
26294.0	57.5°	23481.7	18025.6	4352.5	3527.4	4012.2	4637.9	4593.2	3950.3	3293.6	2984.2
26496.9	60°	23220.4	16966.7	3609.9	3173.3	3678.7	4325.0	4276.9	3623.7	3015.1	2722.9
25410.4	62.5°	21779.9	14948.5	3022.0	2863.9	3376.1	4005.3	3960.6	3372.7	2802.0	2520.1
22525.9	65°	18878.2	12160.3	2564.8	2606.0	3070.2	3620.2	3685.6	3163.0	2633.5	2358.5
17427.3	67.5°	14398.4	8808.2	2207.2	2382.6	2771.0	3242.1	3431.1	3011.7	2492.6	2231.3
10083.7	70°	8206.6	5002.3	1904.7	2166.0	2506.3	2891.4	3235.2	2891.4	2341.3	2124.7
3778.4	72.5°	3111.4	2296.6	1646.8	1949.4	2251.9	2595.7	3018.6	2702.3	2166.0	2004.4
1952.8	75°	1660.6	1399.3	1385.5	1694.9	1959.7	2306.9	2747.0	2516.6	2035.3	2117.8
1351.1	77.5°	1131.1	990.2	1158.6	1450.8	1639.9	1987.2	2458.2	2234.7	1763.7	1756.8
935.1	80°	783.9	701.4	942.0	1168.9	1268.6	1670.9	2145.3	1918.4	1437.1	1340.8
577.6	82.5°	471.0	457.3	704.8	873.3	897.3	1289.3	1777.5	1609.0	1175.8	1024.5
343.8	85°	257.9	271.6	450.4	512.3	522.6	900.8	1392.4	1244.6	904.2	759.8
123.8	87.5°	72.2	92.8	165.0	202.8	251.0	467.6	828.6	739.2	453.8	316.3
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°
8474.7
9097.0
9492.4
9605.8
9544.0
9399.6
9200.2
8863.2
8495.4
8261.6
8069.0
7855.9
7618.7
7271.4
6821.0
6250.3
5600.5
4950.8
4445.4
4108.4
3788.7
3544.6
3221.4
2942.9
2681.7
2475.4
2313.8
2190.0
2097.2
1976.9
2186.6
1619.3
1282.4
1031.4
766.7
316.3
0.0

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