

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: P851135

Luminaire Tested: **GLAN-SB9A-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23331 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

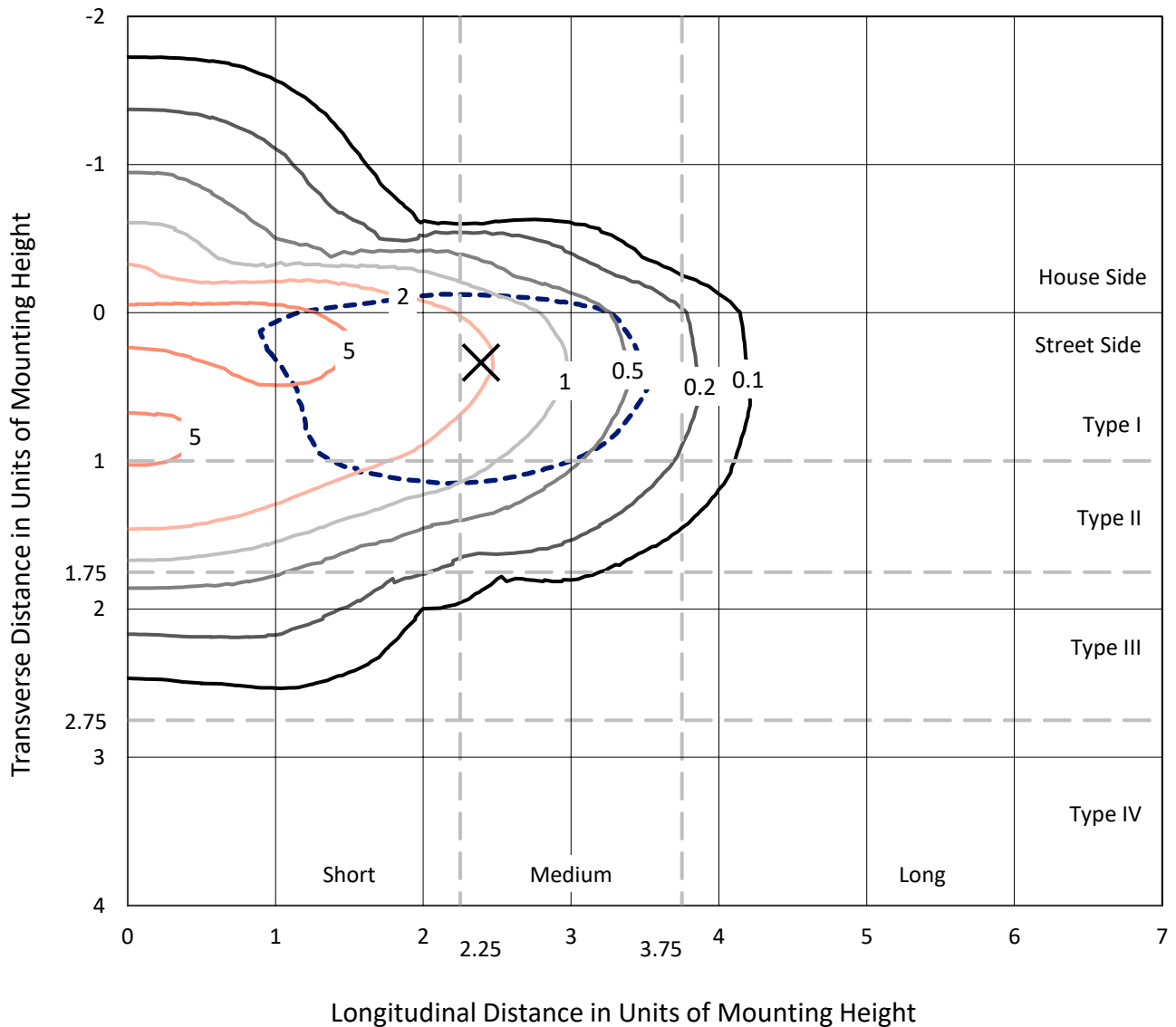
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

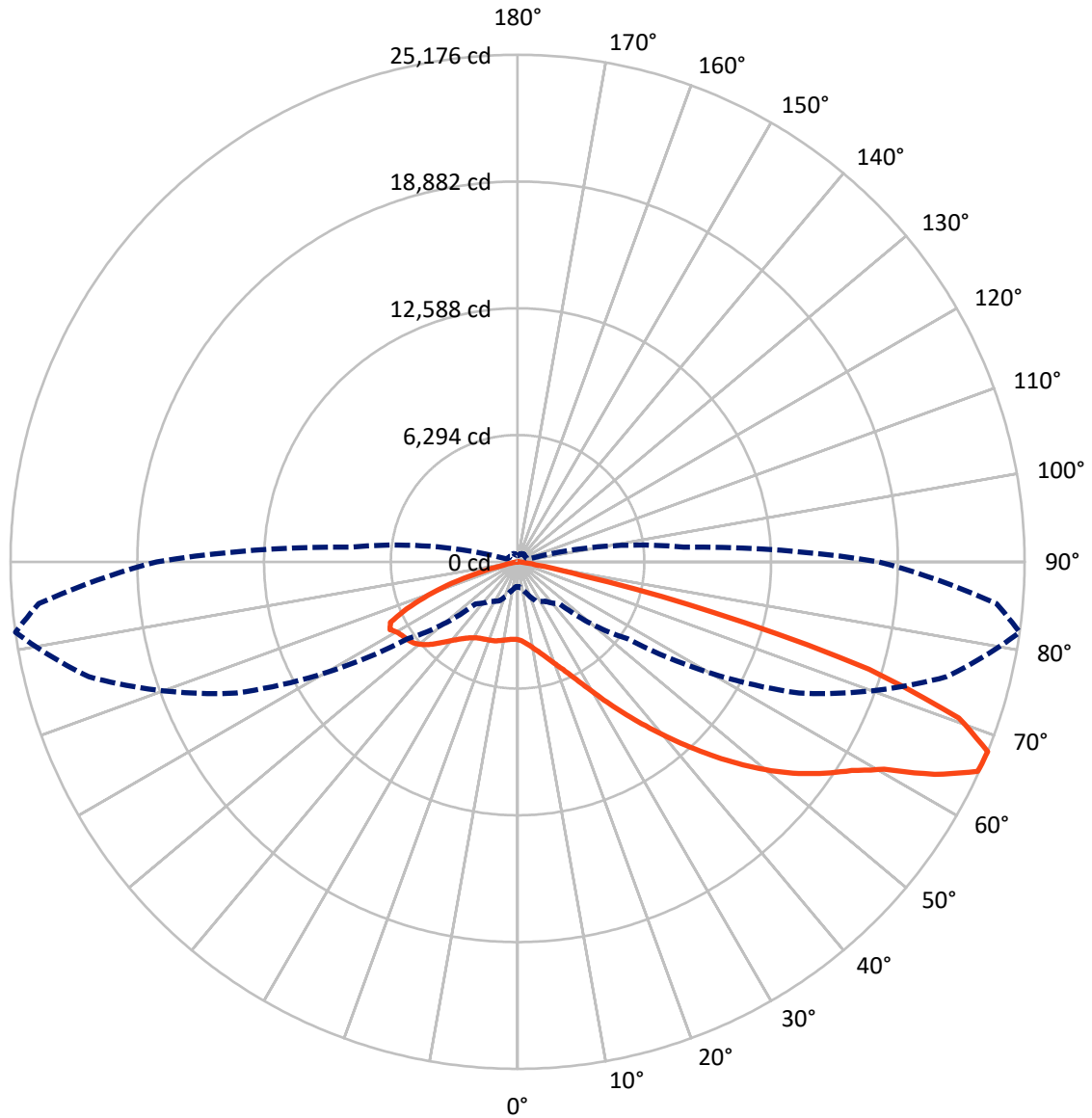
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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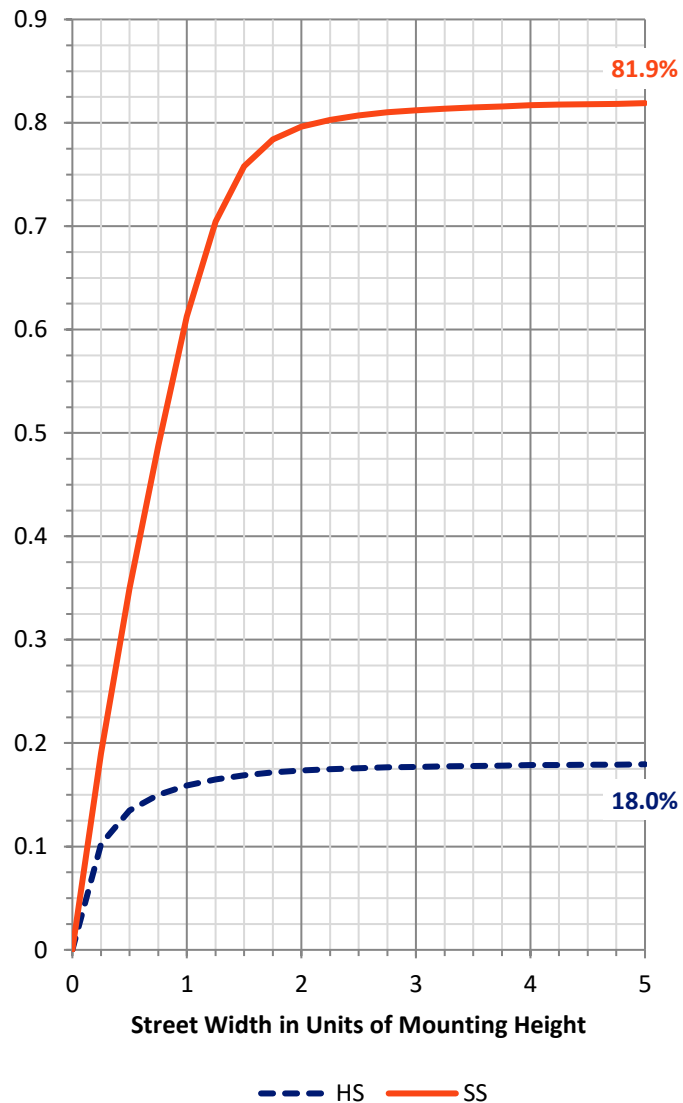
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4226.2	0.0	4226.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19104.8	0.0	19104.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	23331.0	0.0	23331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.4	1.5
10°-20°	894.8	3.8
20°-30°	1433.3	6.1
30°-40°	2534.4	10.9
40°-50°	4440.6	19.0
50°-60°	5922.5	25.4
60°-70°	5513.5	23.6
70°-80°	2116.1	9.1
80°-90°	131.4	0.6
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°	23331.0	100.0
0°-180°	23331.0	100.0

Coefficient of Utilization

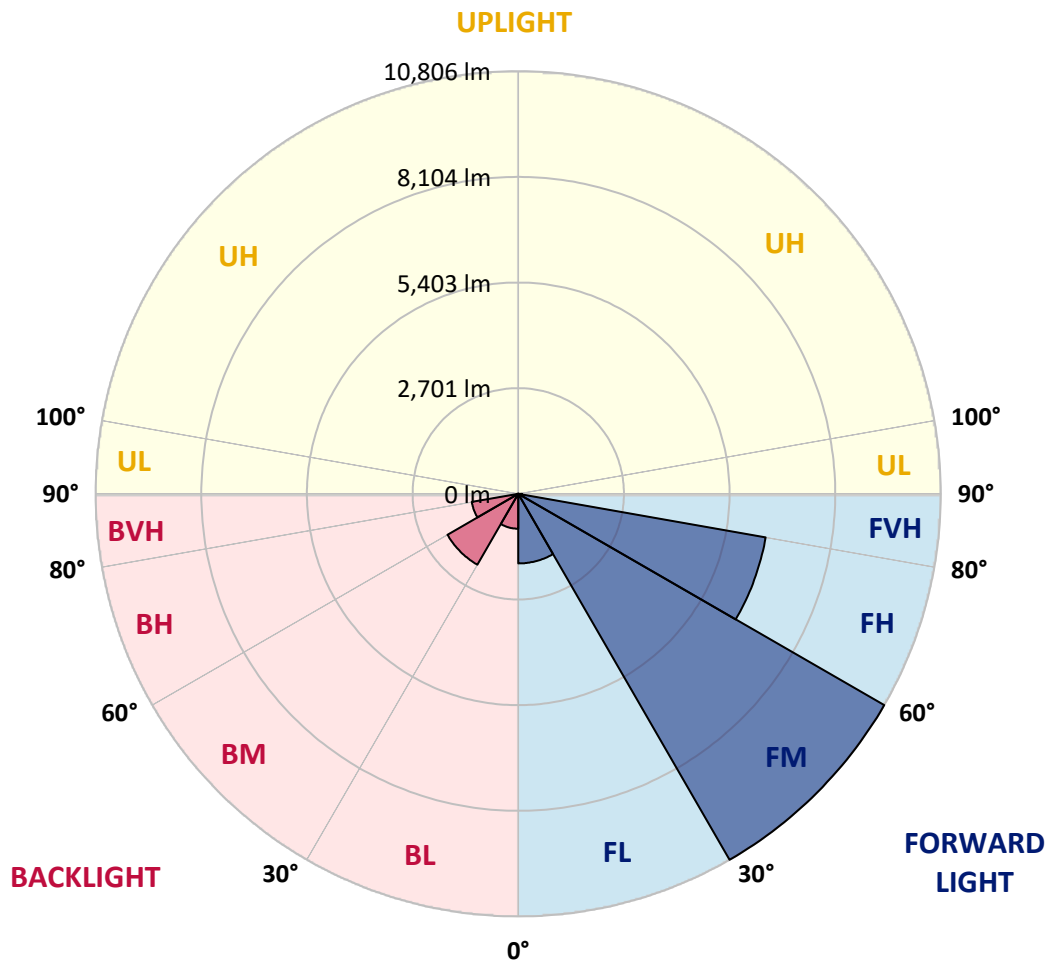


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1779.9	7.6			
FM (30°-60°)	10806.0	46.3			
FH (60°-80°)	6423.4	27.5			G3/7500
FVH (80°-90°)	95.6	0.4			G1/100
BL (0°-30°)	892.6	3.8	B2/1000		
BM (30°-60°)	2091.5	9.0	B2/2500		
BH (60°-80°)	1206.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	35.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2
2.5°	4085.2	4108.7	4095.3	4088.6	4076.8	4060.0	4046.6	4004.6	3960.9	3932.3
5°	4167.5	4191.0	4189.4	4196.1	4204.5	4209.5	4206.2	4159.1	4097.0	4048.3
7.5°	4097.0	4123.8	4145.7	4179.3	4238.1	4300.2	4330.5	4320.4	4256.5	4189.4
10°	3897.1	3925.6	3977.7	4056.7	4181.0	4315.3	4427.9	4480.0	4439.6	4365.7
12.5°	3530.9	3559.4	3661.9	3833.2	4041.5	4275.0	4490.0	4629.5	4639.5	4565.6
15°	3119.3	3147.9	3257.1	3472.1	3789.6	4164.2	4523.6	4787.4	4876.4	4812.5
17.5°	2864.0	2889.2	2971.5	3144.5	3475.4	3942.4	4511.9	4955.3	5158.6	5108.2
20°	2786.7	2808.6	2847.2	2968.2	3243.6	3712.3	4434.6	5113.2	5462.6	5434.1
22.5°	2869.1	2889.2	2901.0	2954.7	3127.7	3561.1	4337.2	5274.5	5815.4	5818.7
25°	3058.9	3079.0	3065.6	3099.2	3174.8	3514.1	4300.2	5464.3	6258.8	6295.8
27.5°	3371.3	3373.0	3341.1	3339.4	3351.1	3584.6	4338.9	5667.6	6818.2	6887.1
30°	3997.9	3972.7	3850.0	3717.3	3656.9	3796.3	4446.4	5907.8	7478.3	7601.0
32.5°	4963.7	4926.8	4701.7	4384.2	4065.1	4137.3	4639.5	6181.6	8197.3	8419.0
35°	6011.9	6001.8	5766.7	5294.6	4737.0	4622.7	4953.6	6541.0	8981.7	9334.5
37.5°	6986.2	6981.1	6846.8	6290.7	5612.1	5299.7	5457.6	7011.4	9821.6	10332.3
40°	7876.5	7891.6	7757.2	7260.0	6576.3	6168.1	6142.9	7592.6	10755.6	11419.1
42.5°	8645.8	8662.6	8526.5	8158.7	7528.7	7129.0	6984.5	8304.8	11667.7	12586.5
45°	9168.2	9272.3	9252.2	8958.2	8506.4	8091.5	7995.7	9198.4	12707.5	13824.5
47.5°	9316.0	9411.8	9562.9	9603.3	9327.8	8919.6	9033.8	10275.2	13759.0	15064.2
50°	8951.5	9040.5	9354.7	9772.9	9964.4	9838.4	10043.4	11429.2	14835.8	16300.5
52.5°	8232.6	8323.3	8719.7	9381.5	10162.6	10559.1	11056.3	12566.4	15878.9	17471.3
55°	7192.8	7288.5	7797.5	8546.7	9784.7	10856.4	11901.2	13701.9	16834.7	18524.5
57.5°	5778.4	5849.0	6378.1	7426.3	8833.9	10560.7	12524.4	14941.6	17735.0	19559.3
60°	3766.1	3828.2	4443.0	5612.1	7258.3	9573.0	12648.7	16324.0	18931.0	20904.8
62.5°	2504.5	2546.5	2911.0	3769.4	5111.5	7676.6	11921.3	17427.6	20684.7	23246.4
65°	1718.4	1760.4	2124.9	2722.9	3302.4	5078.0	9830.0	17281.5	22273.8	25105.9
67.5°	1226.2	1261.5	1570.6	2135.0	2390.3	2949.7	6663.7	15413.6	22045.3	25176.4
70°	878.5	898.7	1154.0	1663.0	1899.8	1772.2	3705.6	11788.6	19302.3	23248.1
72.5°	614.8	621.5	801.3	1266.5	1530.3	1293.4	1763.8	7859.7	14598.9	18247.4
75°	416.6	425.0	539.2	928.9	1227.9	987.7	934.0	4214.5	8570.2	10100.5
77.5°	255.3	258.7	347.7	635.0	918.8	752.5	601.4	1785.6	3315.9	3255.4
80°	144.5	144.5	221.7	394.7	626.6	485.5	421.6	759.3	1049.9	922.2
82.5°	80.6	82.3	161.3	245.2	414.9	287.2	231.8	351.1	453.5	401.5
85°	33.6	37.0	99.1	115.9	198.2	142.8	94.1	147.8	168.0	149.5
87.5°	3.4	5.0	30.2	21.8	23.5	28.6	13.4	28.6	23.5	23.5
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°
3865.2	0°	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2	3865.2
3922.3	2.5°	3890.4	3865.2	3801.3	3727.4	3630.0	3583.0	3519.1	3475.4	3438.5	3441.9
4019.7	5°	3965.9	3902.1	3759.3	3581.3	3359.5	3201.6	3033.7	2917.8	2823.7	2803.5
4154.1	7.5°	4070.1	3969.3	3719.0	3398.2	3023.6	2739.7	2486.1	2323.1	2207.2	2170.3
4317.0	10°	4204.5	4058.3	3666.9	3168.1	2628.8	2267.7	1995.6	1867.9	1789.0	1762.1
4508.5	12.5°	4360.7	4160.8	3598.1	2887.5	2222.3	1874.6	1701.6	1637.8	1612.6	1604.2
4743.7	15°	4557.2	4288.5	3493.9	2554.9	1878.0	1634.4	1560.5	1552.1	1555.5	1552.1
5025.9	17.5°	4790.7	4427.9	3324.3	2212.3	1646.2	1511.8	1484.9	1491.6	1500.0	1498.4
5341.7	20°	5046.0	4565.6	3107.6	1908.2	1488.3	1424.4	1409.3	1416.0	1422.8	1419.4
5706.2	22.5°	5336.6	4713.4	2867.4	1671.4	1382.5	1343.8	1327.0	1328.7	1328.7	1322.0
6168.1	25°	5684.4	4876.4	2615.4	1503.4	1301.8	1271.6	1251.4	1244.7	1234.6	1214.5
6729.2	27.5°	6099.3	5049.4	2373.5	1385.8	1238.0	1209.4	1185.9	1169.1	1143.9	1110.3
7402.8	30°	6566.2	5259.4	2168.6	1311.9	1187.6	1159.0	1132.2	1107.0	1070.0	1028.0
8177.1	32.5°	7115.5	5484.5	2019.1	1263.2	1142.2	1112.0	1080.1	1049.9	1009.5	967.5
9047.3	35°	7770.6	5756.6	1931.7	1229.6	1107.0	1066.7	1031.4	997.8	967.5	930.6
9993.0	37.5°	8481.2	6045.5	1904.9	1212.8	1083.5	1021.3	981.0	957.5	954.1	932.3
11015.9	40°	9258.9	6388.2	1925.0	1202.7	1058.3	977.6	934.0	928.9	937.3	898.7
12109.5	42.5°	10082.0	6794.7	1958.6	1191.0	1023.0	934.0	892.0	892.0	885.2	831.5
13265.2	45°	10972.3	7263.3	1992.2	1162.4	981.0	890.3	858.4	846.6	818.0	766.0
14427.6	47.5°	11869.3	7740.4	2017.4	1110.3	930.6	853.3	824.8	797.9	755.9	708.9
15568.1	50°	12720.9	8168.7	1990.5	1033.1	873.5	818.0	787.8	750.9	705.5	673.6
16648.2	52.5°	13481.9	8540.0	1876.3	942.4	813.0	781.1	754.2	715.6	678.6	645.0
17622.5	55°	14143.7	8840.6	1674.7	856.7	759.3	749.2	722.3	673.6	623.2	594.6
18588.4	57.5°	14778.6	9069.1	1422.8	786.1	710.5	713.9	673.6	629.9	582.9	552.6
19890.2	60°	15623.6	9374.8	1167.4	720.6	658.5	668.5	624.9	593.0	534.2	495.5
22122.6	62.5°	16974.1	9850.2	927.2	640.0	598.0	601.4	582.9	544.2	473.7	428.3
23777.2	65°	18045.8	9675.5	730.7	552.6	529.1	534.2	534.2	492.2	416.6	364.5
23866.2	67.5°	17924.9	8284.6	582.9	467.0	463.6	467.0	478.7	443.5	369.6	327.6
22048.7	70°	16512.2	6589.7	467.0	388.0	403.1	394.7	428.3	404.8	332.6	290.6
17093.4	72.5°	13473.5	4747.0	356.1	320.8	309.1	322.5	386.3	364.5	277.2	230.1
9054.0	75°	7873.1	2533.1	265.4	253.6	223.4	268.8	342.7	310.8	211.7	169.7
2775.0	77.5°	2563.3	883.6	194.9	186.5	166.3	216.7	292.3	262.0	173.0	134.4
813.0	80°	687.0	267.1	132.7	122.6	107.5	161.3	231.8	208.3	124.3	87.3
349.4	82.5°	275.5	112.5	77.3	68.9	58.8	110.9	183.1	168.0	92.4	55.4
109.2	85°	89.0	37.0	28.6	21.8	26.9	68.9	109.2	114.2	65.5	28.6
16.8	87.5°	11.8	5.0	5.0	6.7	5.0	11.8	33.6	31.9	18.5	3.4
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°
3865.2
3408.3
2758.2
2133.3
1741.9
1599.1
1550.4
1495.0
1417.7
1318.6
1211.1
1107.0
1024.7
969.2
927.2
930.6
900.4
831.5
764.3
707.2
668.5
641.7
591.3
549.3
490.5
425.0
359.5
320.8
285.6
225.1
164.6
129.3
85.7
55.4
21.8
0.0
0.0

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