

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: P848755

Luminaire Tested: **GLAN-SB5C-722-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848755  
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-SB5C-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 615mA 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: 21602 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

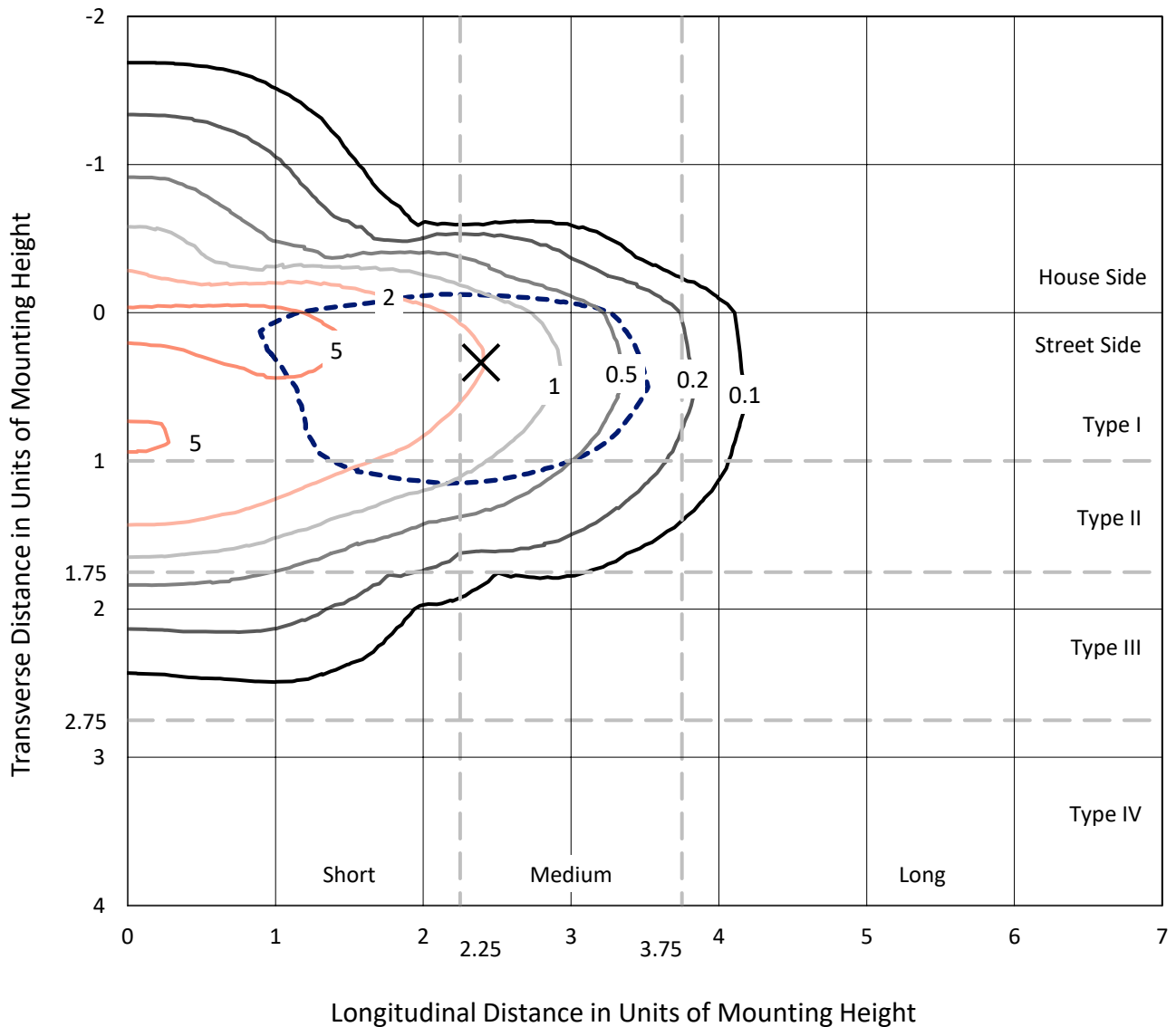
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

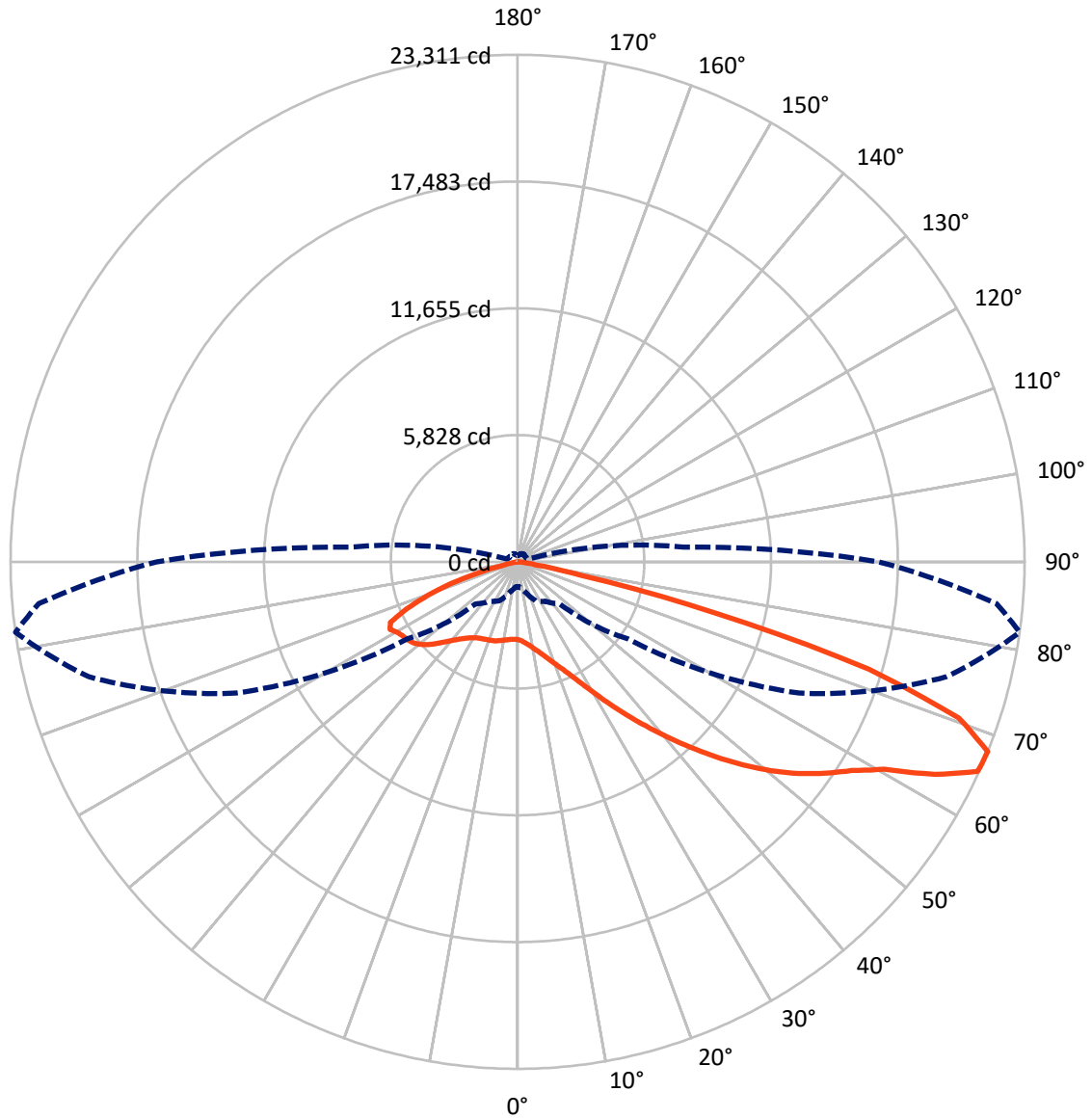
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type 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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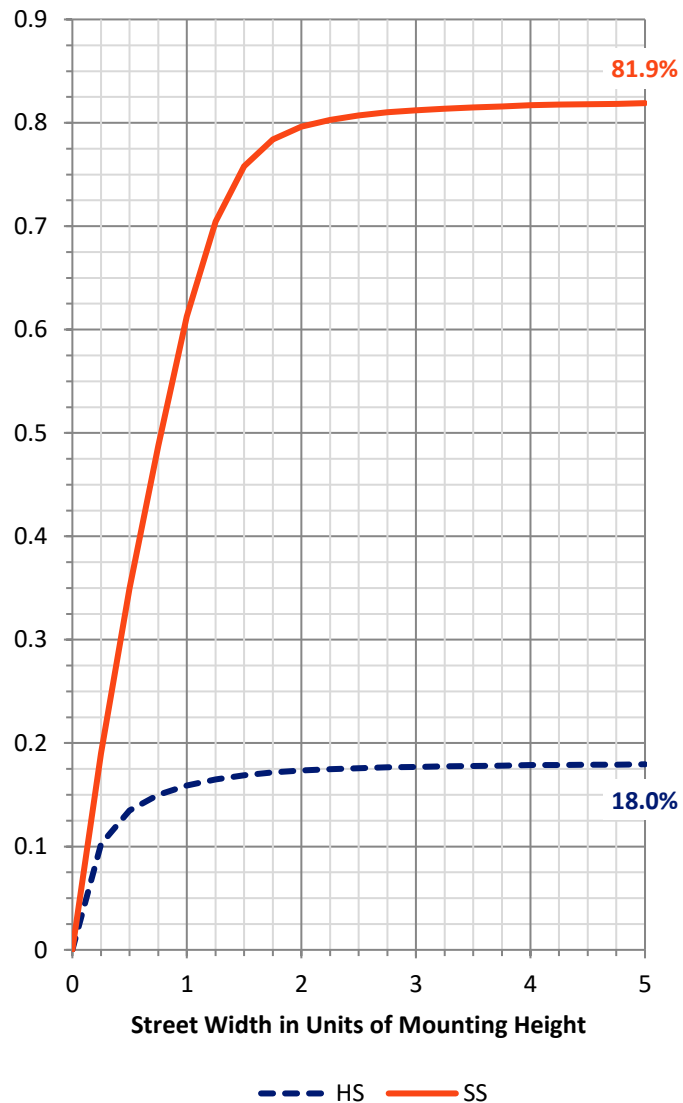
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3913.0	0.0	3913.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	17689.0	0.0	17689.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	21602.0	0.0	21602.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.8	1.5
10°-20°	828.5	3.8
20°-30°	1327.0	6.1
30°-40°	2346.6	10.9
40°-50°	4111.5	19.0
50°-60°	5483.6	25.4
60°-70°	5104.9	23.6
70°-80°	1959.3	9.1
80°-90°	121.7	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°	21602.0	100.0
0°-180°	21602.0	100.0

**Coefficient of Utilization**

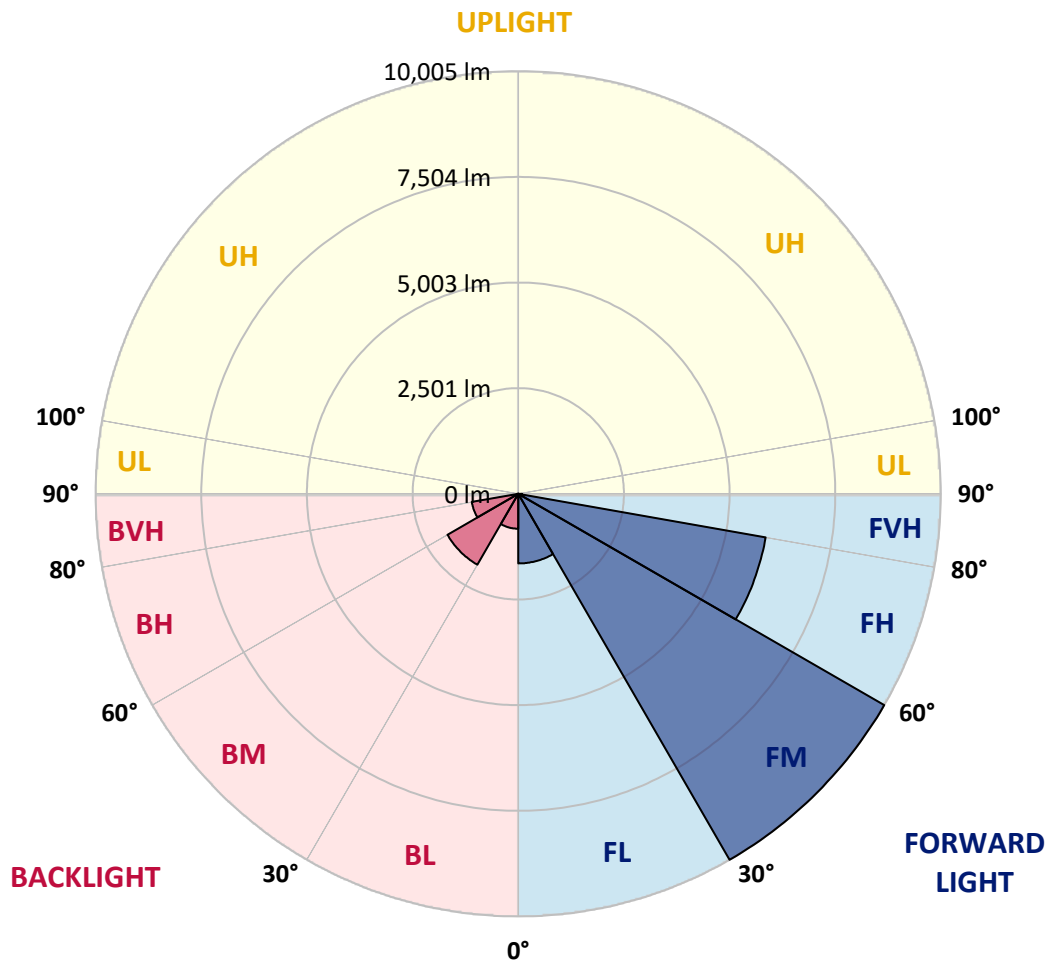


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1648.0	7.6			
FM (30°-60°)	10005.2	46.3			
FH (60°-80°)	5947.4	27.5			G3/7500
FVH (80°-90°)	88.5	0.4			G1/100
BL (0°-30°)	826.4	3.8	B2/1000		
BM (30°-60°)	1936.5	9.0	B2/2500		
BH (60°-80°)	1116.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	33.2	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°	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7
2.5°	3782.5	3804.2	3791.8	3785.6	3774.7	3759.1	3746.7	3707.8	3667.4	3640.9
5°	3858.7	3880.4	3878.9	3885.1	3892.9	3897.6	3894.4	3850.9	3793.4	3748.2
7.5°	3793.4	3818.2	3838.5	3869.6	3924.0	3981.5	4009.5	4000.2	3941.1	3878.9
10°	3608.3	3634.7	3682.9	3756.0	3871.1	3995.5	4099.7	4148.0	4110.6	4042.2
12.5°	3269.2	3295.7	3390.5	3549.2	3742.0	3958.2	4157.3	4286.4	4295.7	4227.3
15°	2888.2	2914.6	3015.7	3214.8	3508.7	3855.6	4188.4	4432.6	4515.0	4455.9
17.5°	2651.8	2675.1	2751.3	2911.5	3217.9	3650.3	4177.5	4588.1	4776.3	4729.6
20°	2580.2	2600.4	2636.2	2748.2	3003.3	3437.2	4106.0	4734.3	5057.8	5031.4
22.5°	2656.4	2675.1	2686.0	2735.8	2895.9	3297.2	4015.8	4883.6	5384.4	5387.5
25°	2832.2	2850.8	2838.4	2869.5	2939.5	3253.7	3981.5	5059.4	5795.0	5829.2
27.5°	3121.5	3123.0	3093.5	3091.9	3102.8	3319.0	4017.3	5247.5	6312.9	6376.7
30°	3701.6	3678.3	3564.7	3441.9	3385.9	3515.0	4116.9	5470.0	6924.1	7037.7
32.5°	4595.9	4561.7	4353.3	4059.3	3763.8	3830.7	4295.7	5723.5	7589.8	7795.1
35°	5566.4	5557.0	5339.3	4902.3	4385.9	4280.2	4586.5	6056.3	8316.1	8642.7
37.5°	6468.4	6463.8	6339.4	5824.6	5196.2	4906.9	5053.1	6491.8	9093.8	9566.6
40°	7292.8	7306.7	7182.3	6722.0	6089.0	5711.0	5687.7	7029.9	9958.5	10572.9
42.5°	8005.1	8020.6	7894.6	7554.0	6970.8	6600.6	6466.9	7689.3	10803.0	11653.8
45°	8488.8	8585.2	8566.5	8294.4	7876.0	7491.8	7403.2	8516.8	11765.8	12800.0
47.5°	8625.6	8714.3	8854.3	8891.6	8636.5	8258.6	8364.3	9513.7	12739.4	13947.8
50°	8288.1	8370.6	8661.4	9048.7	9226.0	9109.3	9299.1	10582.2	13736.3	15092.5
52.5°	7622.5	7706.5	8073.5	8686.3	9409.5	9776.5	10236.9	11635.1	14702.1	16176.6
55°	6659.7	6748.4	7219.7	7913.3	9059.6	10051.8	11019.2	12686.5	15587.1	17151.7
57.5°	5350.2	5415.5	5905.4	6875.9	8179.3	9778.1	11596.2	13834.3	16420.7	18109.8
60°	3487.0	3544.5	4113.7	5196.2	6720.4	8863.6	11711.3	15114.3	17528.1	19355.6
62.5°	2318.9	2357.8	2695.3	3490.1	4732.7	7107.7	11037.9	16136.1	19151.8	21523.6
65°	1591.1	1629.9	1967.4	2521.1	3057.7	4701.6	9101.6	16000.8	20623.1	23245.4
67.5°	1135.4	1168.0	1454.2	1976.8	2213.2	2731.1	6169.8	14271.3	20411.6	23310.7
70°	813.4	832.1	1068.5	1539.7	1759.0	1640.8	3431.0	10915.0	17871.8	21525.2
72.5°	569.2	575.5	741.9	1172.7	1416.9	1197.6	1633.1	7277.2	13517.0	16895.1
75°	385.7	393.5	499.2	860.1	1136.9	914.5	864.7	3902.2	7935.1	9352.0
77.5°	236.4	239.5	321.9	587.9	850.7	696.8	556.8	1653.3	3070.1	3014.2
80°	133.8	133.8	205.3	365.5	580.1	449.5	390.4	703.0	972.1	853.9
82.5°	74.7	76.2	149.3	227.1	384.2	266.0	214.6	325.1	419.9	371.7
85°	31.1	34.2	91.8	107.3	183.5	132.2	87.1	136.9	155.5	138.4
87.5°	3.1	4.7	28.0	20.2	21.8	26.4	12.4	26.4	21.8	21.8
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°
3578.7	0°	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7
3631.6	2.5°	3602.0	3578.7	3519.6	3451.2	3361.0	3317.4	3258.3	3217.9	3183.7	3186.8
3721.8	5°	3672.0	3612.9	3480.7	3315.9	3110.6	2964.4	2808.9	2701.5	2614.4	2595.8
3846.2	7.5°	3768.5	3675.1	3443.4	3146.3	2799.5	2536.7	2301.8	2151.0	2043.6	2009.4
3997.1	10°	3892.9	3757.6	3395.2	2933.3	2434.0	2099.6	1847.7	1729.5	1656.4	1631.5
4174.4	12.5°	4037.5	3852.5	3331.4	2673.5	2057.6	1735.7	1575.5	1516.4	1493.1	1485.3
4392.1	15°	4219.5	3970.7	3235.0	2365.6	1738.8	1513.3	1444.9	1437.1	1440.2	1437.1
4653.4	17.5°	4435.7	4099.7	3077.9	2048.3	1524.2	1399.8	1374.9	1381.1	1388.9	1387.3
4945.8	20°	4672.1	4227.3	2877.3	1766.8	1378.0	1318.9	1304.9	1311.1	1317.3	1314.2
5283.3	22.5°	4941.2	4364.1	2654.9	1547.5	1280.0	1244.2	1228.7	1230.2	1230.2	1224.0
5711.0	25°	5263.1	4515.0	2421.6	1392.0	1205.3	1177.4	1158.7	1152.5	1143.1	1124.5
6230.5	27.5°	5647.3	4675.2	2197.6	1283.1	1146.2	1119.8	1098.0	1082.5	1059.2	1028.0
6854.2	30°	6079.6	4869.6	2007.9	1214.7	1099.6	1073.1	1048.3	1024.9	990.7	951.8
7571.1	32.5°	6588.2	5078.0	1869.5	1169.6	1057.6	1029.6	1000.1	972.1	934.7	895.8
8376.8	35°	7194.8	5330.0	1788.6	1138.5	1024.9	987.6	954.9	923.8	895.8	861.6
9252.4	37.5°	7852.7	5597.5	1763.7	1122.9	1003.2	945.6	908.3	886.5	883.4	863.2
10199.6	40°	8572.8	5914.8	1782.4	1113.6	979.8	905.2	864.7	860.1	867.9	832.1
11212.1	42.5°	9334.8	6291.1	1813.5	1102.7	947.2	864.7	825.9	825.9	819.6	769.9
12282.1	45°	10159.1	6725.1	1844.6	1076.3	908.3	824.3	794.8	783.9	757.4	709.2
13358.4	47.5°	10989.7	7166.8	1867.9	1028.0	861.6	790.1	763.6	738.8	699.9	656.3
14414.4	50°	11778.2	7563.4	1843.0	956.5	808.8	757.4	729.4	695.2	653.2	623.7
15414.5	52.5°	12482.8	7907.1	1737.3	872.5	752.8	723.2	698.3	662.6	628.3	597.2
16316.5	55°	13095.5	8185.5	1550.6	793.2	703.0	693.7	668.8	623.7	577.0	550.6
17210.8	57.5°	13683.4	8397.0	1317.3	727.9	657.9	661.0	623.7	583.2	539.7	511.7
18416.2	60°	14465.7	8680.1	1080.9	667.2	609.7	619.0	578.6	549.0	494.6	458.8
20483.2	62.5°	15716.2	9120.2	858.5	592.6	553.7	556.8	539.7	503.9	438.6	396.6
22015.1	65°	16708.5	8958.5	676.6	511.7	489.9	494.6	494.6	455.7	385.7	337.5
22097.5	67.5°	16596.5	7670.7	539.7	432.4	429.3	432.4	443.3	410.6	342.2	303.3
20414.7	70°	15288.5	6101.4	432.4	359.3	373.3	365.5	396.6	374.8	307.9	269.1
15826.6	72.5°	12475.0	4395.2	329.7	297.1	286.2	298.6	357.7	337.5	256.6	213.1
8383.0	75°	7289.6	2345.4	245.7	234.8	206.9	248.8	317.3	287.7	196.0	157.1
2569.3	77.5°	2373.4	818.1	180.4	172.6	154.0	200.6	270.6	242.6	160.2	124.4
752.8	80°	636.1	247.3	122.9	113.5	99.5	149.3	214.6	192.9	115.1	80.9
323.5	82.5°	255.1	104.2	71.5	63.8	54.4	102.6	169.5	155.5	85.5	51.3
101.1	85°	82.4	34.2	26.4	20.2	24.9	63.8	101.1	105.8	60.7	26.4
15.6	87.5°	10.9	4.7	4.7	6.2	4.7	10.9	31.1	29.6	17.1	3.1
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°
3578.7
3155.7
2553.8
1975.2
1612.8
1480.6
1435.5
1384.2
1312.7
1220.9
1121.4
1024.9
948.7
897.4
858.5
861.6
833.6
769.9
707.7
654.8
619.0
594.1
547.5
508.6
454.1
393.5
332.8
297.1
264.4
208.4
152.4
119.8
79.3
51.3
20.2
0.0
0.0

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