

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: P849775

Luminaire Tested: **GLAN-SB7A-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849775
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-SB7A-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 18216 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

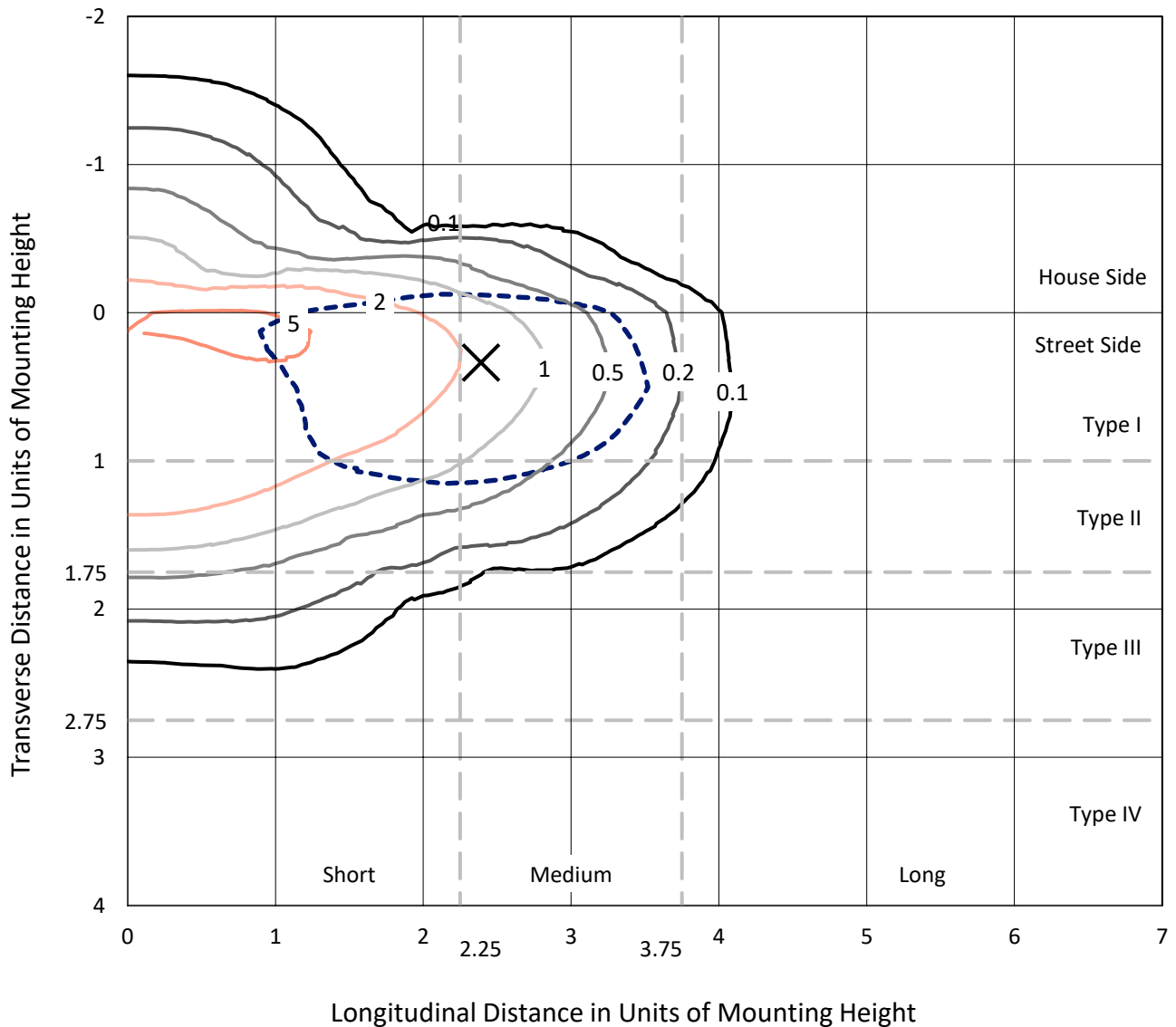
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

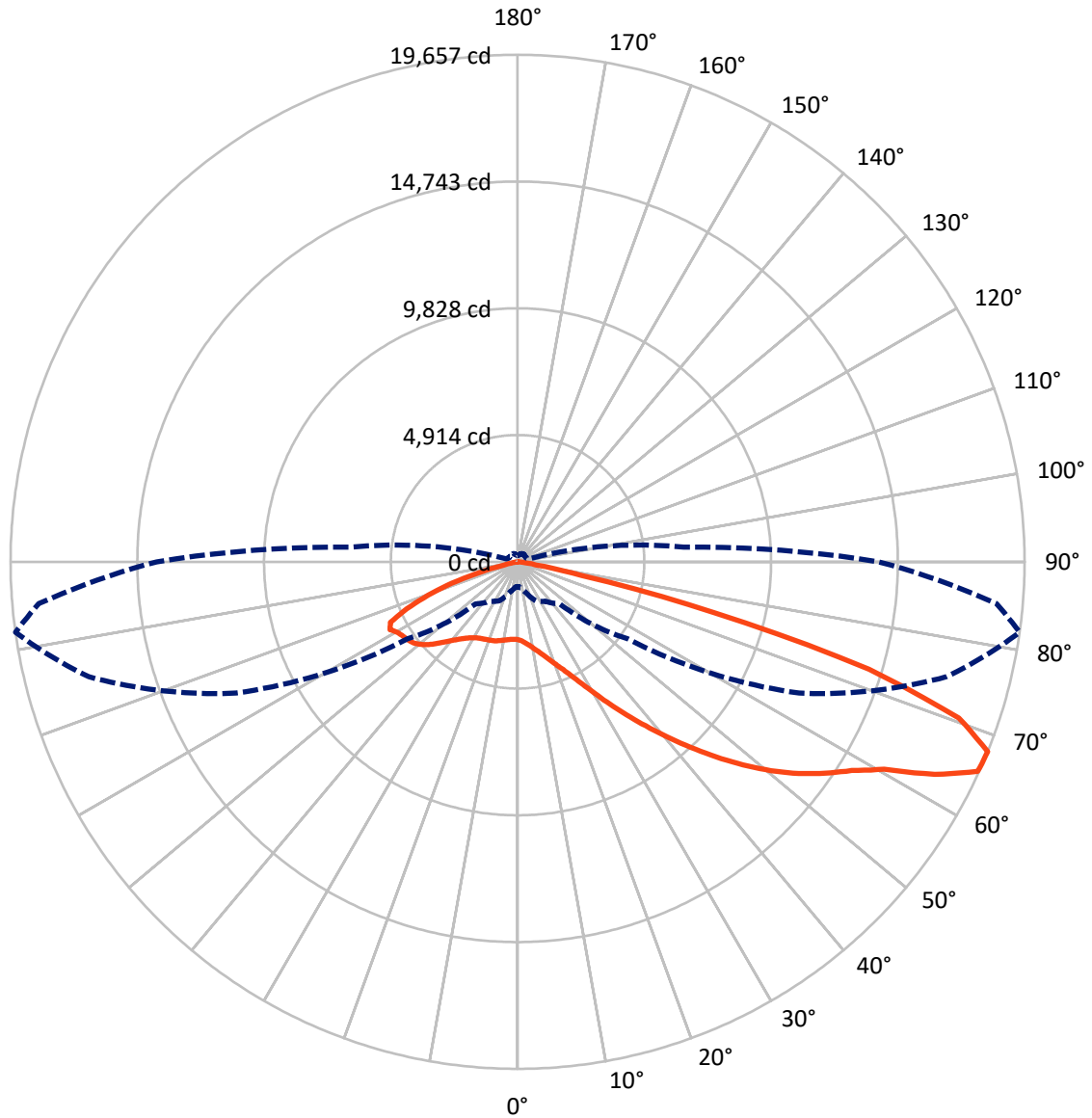
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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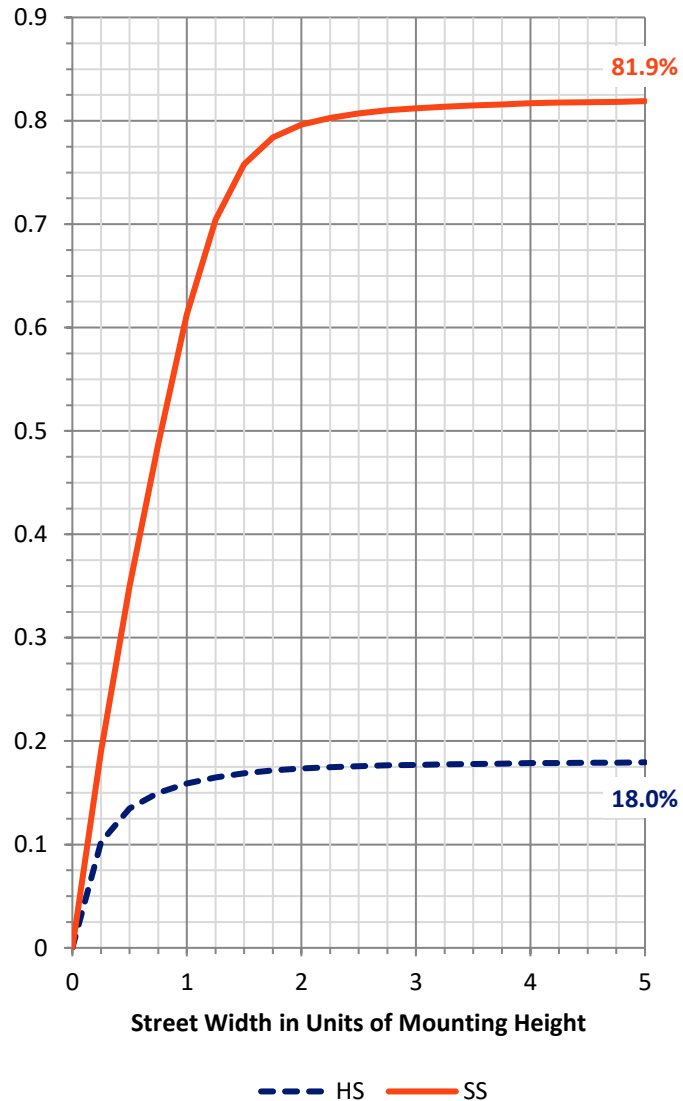
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3299.7	0.0	3299.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14916.3	0.0	14916.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	18216.0	0.0	18216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.9	1.5
10°-20°	698.7	3.8
20°-30°	1119.0	6.1
30°-40°	1978.8	10.9
40°-50°	3467.0	19.0
50°-60°	4624.1	25.4
60°-70°	4304.8	23.6
70°-80°	1652.2	9.1
80°-90°	102.6	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°	18216.0	100.0
0°-180°	18216.0	100.0

Coefficient of Utilization

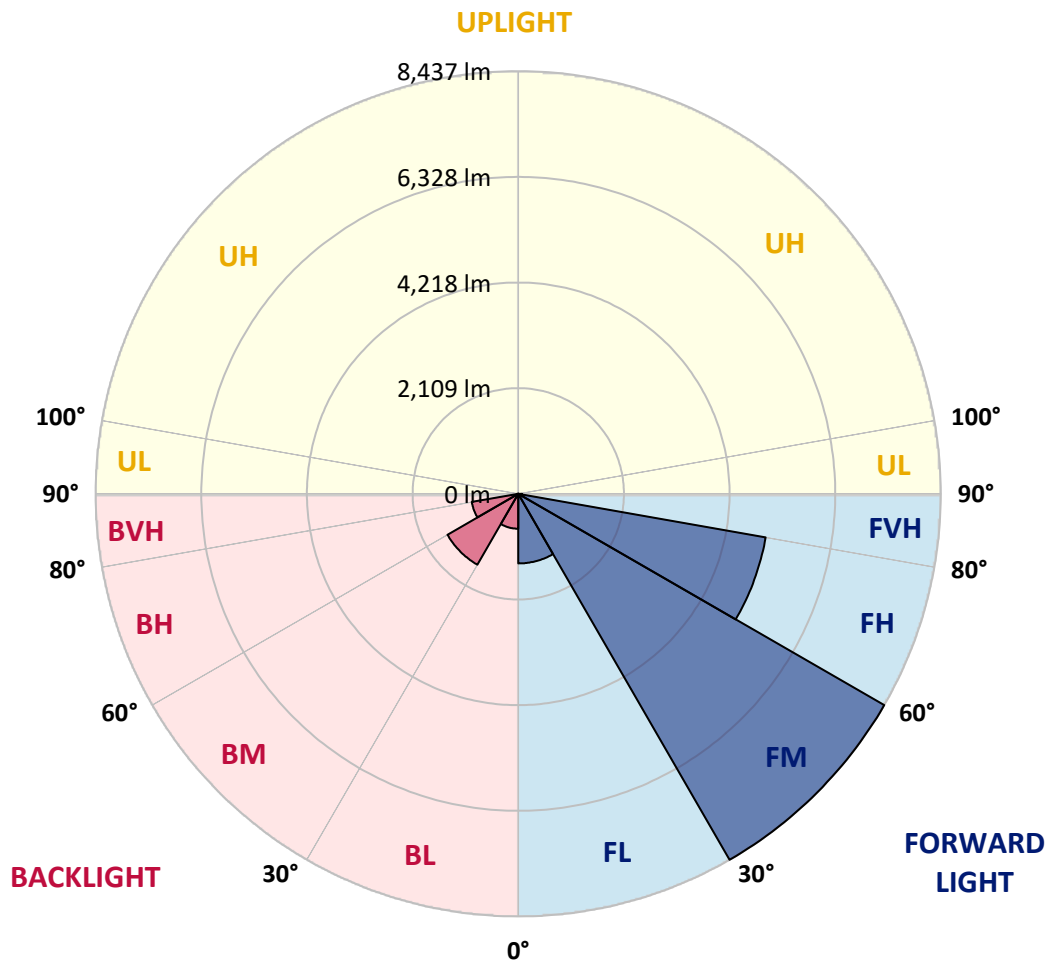


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1389.7	7.6			
FM (30°-60°)	8436.9	46.3			
FH (60°-80°)	5015.1	27.5			G3/7500
FVH (80°-90°)	74.6	0.4			G1/100
BL (0°-30°)	696.9	3.8	B2/1000		
BM (30°-60°)	1633.0	9.0	B2/2500		
BH (60°-80°)	941.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8
2.5°	3189.6	3207.9	3197.5	3192.2	3183.0	3169.9	3159.4	3126.6	3092.5	3070.2
5°	3253.8	3272.2	3270.9	3276.1	3282.7	3286.6	3284.0	3247.3	3198.8	3160.7
7.5°	3198.8	3219.7	3236.8	3263.0	3308.9	3357.5	3381.1	3373.2	3323.4	3270.9
10°	3042.7	3065.0	3105.6	3167.3	3264.3	3369.3	3457.1	3497.8	3466.3	3408.6
12.5°	2756.8	2779.1	2859.1	2992.9	3155.5	3337.8	3505.7	3614.5	3622.4	3564.7
15°	2435.5	2457.8	2543.0	2710.9	2958.8	3251.2	3531.9	3737.8	3807.3	3757.5
17.5°	2236.1	2255.8	2320.1	2455.1	2713.5	3078.1	3522.7	3868.9	4027.6	3988.3
20°	2175.8	2192.8	2223.0	2317.4	2532.5	2898.4	3462.4	3992.2	4265.0	4242.7
22.5°	2240.1	2255.8	2265.0	2306.9	2442.0	2780.4	3386.3	4118.1	4540.4	4543.1
25°	2388.3	2404.0	2393.5	2419.7	2478.7	2743.7	3357.5	4266.3	4886.7	4915.5
27.5°	2632.2	2633.5	2608.6	2607.3	2616.5	2798.8	3387.6	4425.0	5323.4	5377.2
30°	3121.4	3101.7	3006.0	2902.4	2855.1	2964.0	3471.6	4612.6	5838.8	5934.6
32.5°	3875.5	3846.6	3670.9	3423.0	3173.8	3230.2	3622.4	4826.3	6400.1	6573.3
35°	4693.9	4686.0	4502.4	4133.9	3698.4	3609.3	3867.6	5107.0	7012.6	7288.0
37.5°	5454.6	5450.6	5345.7	4911.6	4381.7	4137.8	4261.1	5474.2	7668.4	8067.1
40°	6149.7	6161.5	6056.5	5668.3	5134.5	4815.8	4796.2	5928.0	8397.6	8915.6
42.5°	6750.3	6763.4	6657.2	6370.0	5878.2	5566.0	5453.2	6484.1	9109.7	9827.1
45°	7158.2	7239.5	7223.8	6994.3	6641.5	6317.5	6242.8	7181.8	9921.5	10793.7
47.5°	7273.6	7348.4	7466.4	7497.9	7282.8	6964.1	7053.3	8022.5	10742.5	11761.6
50°	6989.0	7058.5	7303.8	7630.3	7779.9	7681.5	7841.5	8923.5	11583.2	12726.9
52.5°	6427.7	6498.5	6808.0	7324.8	7934.6	8244.1	8632.3	9811.4	12397.7	13641.0
55°	5615.9	5690.6	6088.0	6672.9	7639.5	8476.3	9292.0	10698.0	13143.9	14463.3
57.5°	4511.6	4566.7	4979.8	5798.2	6897.2	8245.4	9778.6	11665.8	13846.9	15271.2
60°	2940.4	2988.9	3468.9	4381.7	5667.0	7474.3	9875.6	12745.2	14780.7	16321.7
62.5°	1955.5	1988.2	2272.8	2943.0	3990.9	5993.6	9307.8	13606.9	16149.9	18149.9
65°	1341.7	1374.5	1659.1	2126.0	2578.4	3964.7	7674.9	13492.8	17390.6	19601.8
67.5°	957.4	984.9	1226.3	1666.9	1866.3	2303.0	5202.7	12034.4	17212.2	19656.8
70°	685.9	701.7	901.0	1298.4	1483.3	1383.6	2893.2	9204.1	15070.5	18151.2
72.5°	480.0	485.3	625.6	988.9	1194.8	1009.9	1377.1	6136.5	11398.3	14246.9
75°	325.3	331.8	421.0	725.3	958.7	771.2	729.2	3290.6	6691.3	7886.1
77.5°	199.3	202.0	271.5	495.7	717.4	587.6	469.5	1394.1	2588.9	2541.7
80°	112.8	112.8	173.1	308.2	489.2	379.0	329.2	592.8	819.7	720.0
82.5°	63.0	64.3	125.9	191.5	323.9	224.3	181.0	274.1	354.1	313.4
85°	26.2	28.9	77.4	90.5	154.8	111.5	73.4	115.4	131.2	116.7
87.5°	2.6	3.9	23.6	17.0	18.4	22.3	10.5	22.3	18.4	18.4
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°
3017.8	0°	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8	3017.8
3062.4	2.5°	3037.4	3017.8	2967.9	2910.2	2834.2	2797.4	2747.6	2713.5	2684.7	2687.3
3138.4	5°	3096.5	3046.6	2935.1	2796.1	2623.0	2499.7	2368.6	2278.1	2204.6	2188.9
3243.4	7.5°	3177.8	3099.1	2903.7	2653.2	2360.7	2139.1	1941.0	1813.8	1723.3	1694.5
3370.6	10°	3282.7	3168.6	2863.0	2473.5	2052.5	1770.5	1558.1	1458.4	1396.8	1375.8
3520.1	12.5°	3404.7	3248.6	2809.2	2254.5	1735.1	1463.6	1328.6	1278.7	1259.0	1252.5
3703.7	15°	3558.1	3348.3	2727.9	1994.8	1466.3	1276.1	1218.4	1211.8	1214.5	1211.8
3924.0	17.5°	3740.4	3457.1	2595.5	1727.3	1285.3	1180.4	1159.4	1164.6	1171.2	1169.9
4170.6	20°	3939.8	3564.7	2426.3	1489.9	1162.0	1112.2	1100.4	1105.6	1110.8	1108.2
4455.2	22.5°	4166.7	3680.1	2238.7	1304.9	1079.4	1049.2	1036.1	1037.4	1037.4	1032.2
4815.8	25°	4438.1	3807.3	2042.0	1173.8	1016.4	992.8	977.1	971.8	964.0	948.2
5253.9	27.5°	4762.1	3942.4	1853.2	1082.0	966.6	944.3	925.9	912.8	893.1	866.9
5779.8	30°	5126.7	4106.3	1693.2	1024.3	927.2	904.9	884.0	864.3	835.4	802.6
6384.4	32.5°	5555.5	4282.1	1576.4	986.3	891.8	868.2	843.3	819.7	788.2	755.4
7063.8	35°	6067.0	4494.5	1508.2	960.0	864.3	832.8	805.3	779.0	755.4	726.6
7802.1	37.5°	6621.8	4720.1	1487.2	946.9	845.9	797.4	765.9	747.6	744.9	727.9
8600.9	40°	7229.0	4987.7	1503.0	939.0	826.2	763.3	729.2	725.3	731.8	701.7
9454.6	42.5°	7871.7	5305.0	1529.2	929.9	798.7	729.2	696.4	696.4	691.2	649.2
10357.0	45°	8566.8	5671.0	1555.4	907.6	765.9	695.1	670.2	661.0	638.7	598.0
11264.5	47.5°	9267.1	6043.4	1575.1	866.9	726.6	666.2	643.9	623.0	590.2	553.5
12155.0	50°	9932.0	6377.9	1554.1	806.6	682.0	638.7	615.1	586.2	550.8	525.9
12998.3	52.5°	10526.1	6667.7	1465.0	735.8	634.8	609.9	588.9	558.7	529.8	503.6
13759.0	55°	11042.9	6902.5	1307.6	668.9	592.8	584.9	563.9	525.9	486.6	464.3
14513.1	57.5°	11538.6	7080.8	1110.8	613.8	554.8	557.4	525.9	491.8	455.1	431.5
15529.5	60°	12198.3	7319.5	911.5	562.6	514.1	522.0	487.9	463.0	417.1	386.9
17272.5	62.5°	13252.8	7690.7	724.0	499.7	466.9	469.5	455.1	424.9	369.8	334.4
18564.4	65°	14089.5	7554.3	570.5	431.5	413.1	417.1	417.1	384.3	325.3	284.6
18633.9	67.5°	13995.1	6468.3	455.1	364.6	362.0	364.6	373.8	346.2	288.5	255.7
17214.8	70°	12892.1	5145.0	364.6	303.0	314.8	308.2	334.4	316.1	259.7	226.9
13345.9	72.5°	10519.6	3706.3	278.0	250.5	241.3	251.8	301.6	284.6	216.4	179.7
7069.0	75°	6147.0	1977.8	207.2	198.0	174.4	209.8	267.5	242.6	165.2	132.5
2166.6	77.5°	2001.4	689.9	152.1	145.6	129.8	169.2	228.2	204.6	135.1	104.9
634.8	80°	536.4	208.5	103.6	95.7	83.9	125.9	181.0	162.6	97.1	68.2
272.8	82.5°	215.1	87.9	60.3	53.8	45.9	86.6	143.0	131.2	72.1	43.3
85.2	85°	69.5	28.9	22.3	17.0	21.0	53.8	85.2	89.2	51.1	22.3
13.1	87.5°	9.2	3.9	3.9	5.2	3.9	9.2	26.2	24.9	14.4	2.6
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°
3017.8
2661.0
2153.5
1665.6
1360.0
1248.6
1210.5
1167.2
1106.9
1029.5
945.6
864.3
800.0
756.7
724.0
726.6
703.0
649.2
596.7
552.1
522.0
501.0
461.7
428.9
383.0
331.8
280.7
250.5
223.0
175.7
128.5
101.0
66.9
43.3
17.0
0.0
0.0

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