

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: P849105

Luminaire Tested: **GLAN-SB6A-727-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849105
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-SB6A-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 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: 17665 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

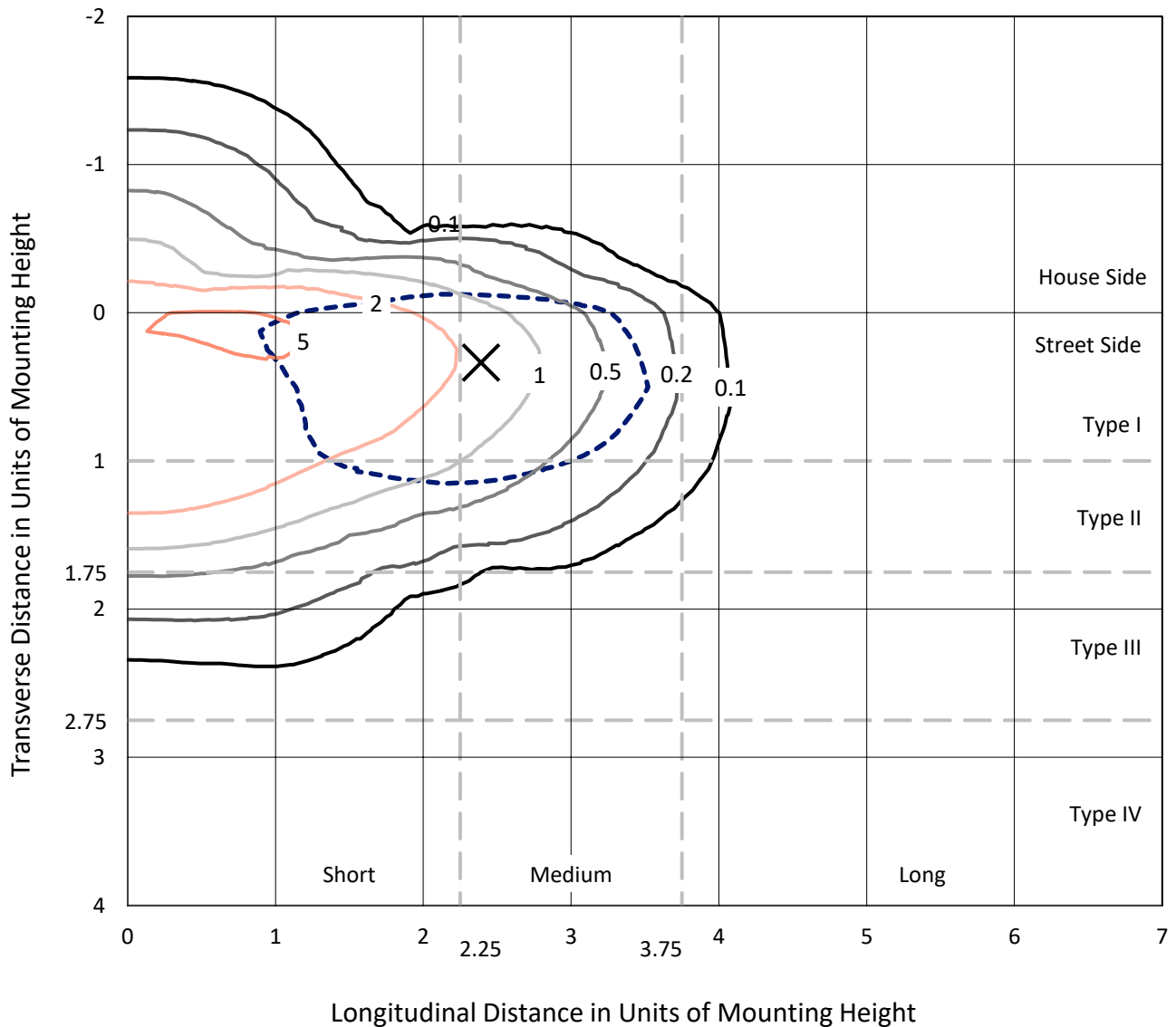
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

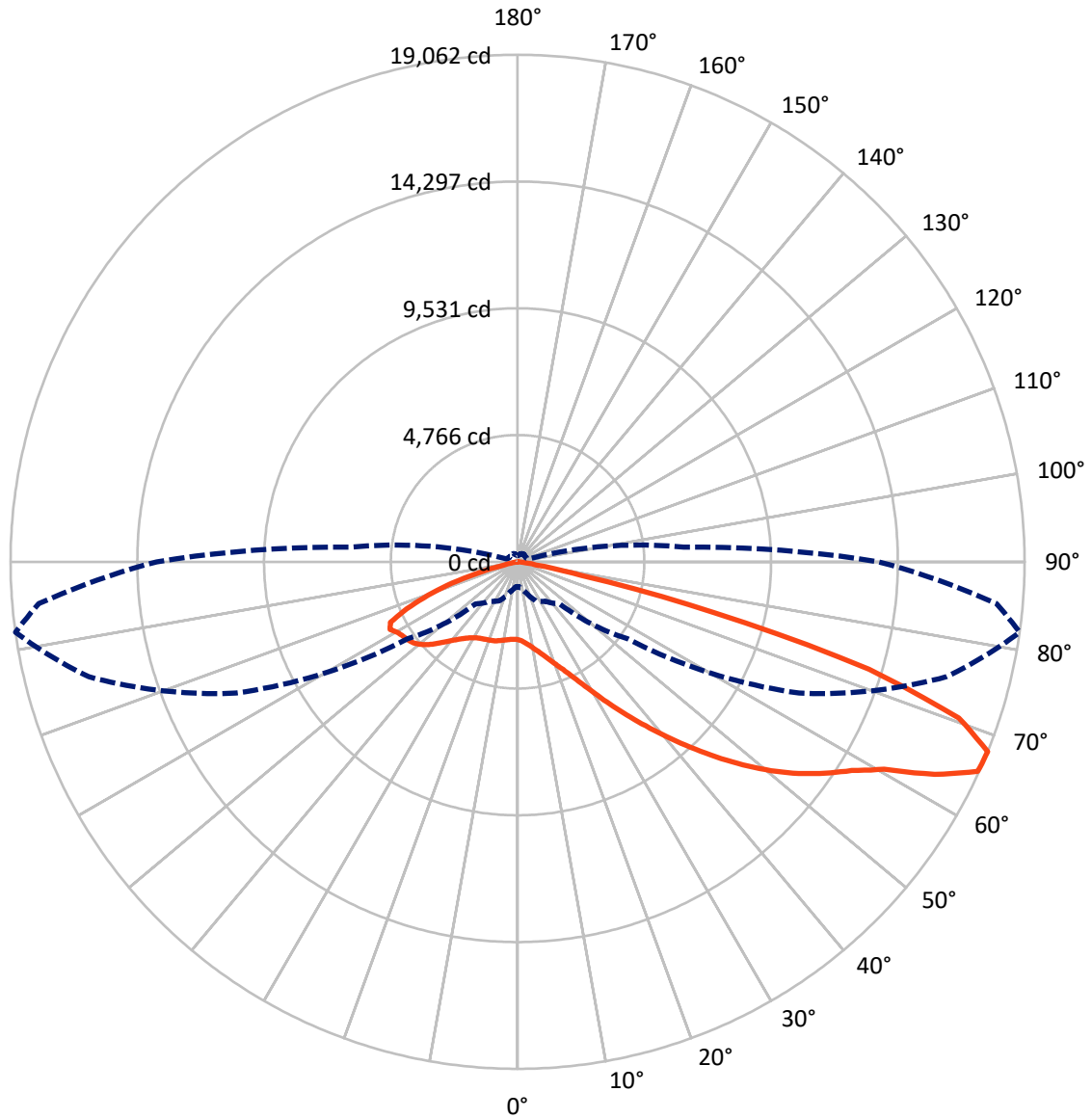
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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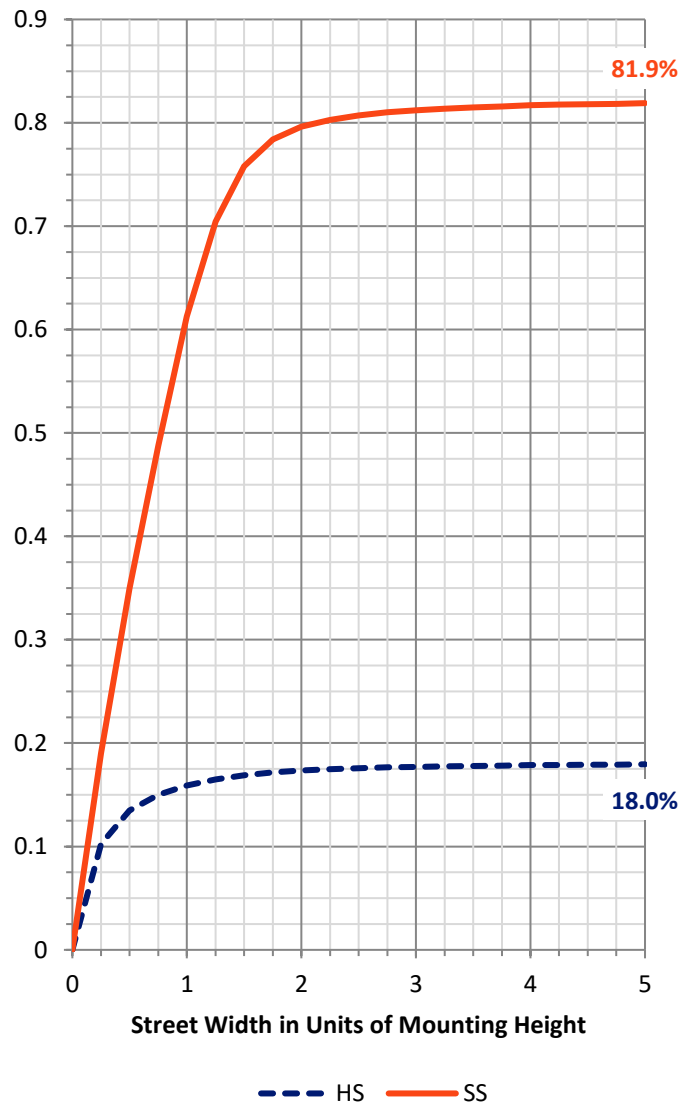
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3199.8	0.0	3199.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14465.1	0.0	14465.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	17665.0	0.0	17665.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.7	1.5
10°-20°	677.5	3.8
20°-30°	1085.2	6.1
30°-40°	1918.9	10.9
40°-50°	3362.2	19.0
50°-60°	4484.2	25.4
60°-70°	4174.6	23.6
70°-80°	1602.2	9.1
80°-90°	99.5	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°	17665.0	100.0
0°-180°	17665.0	100.0

Coefficient of Utilization

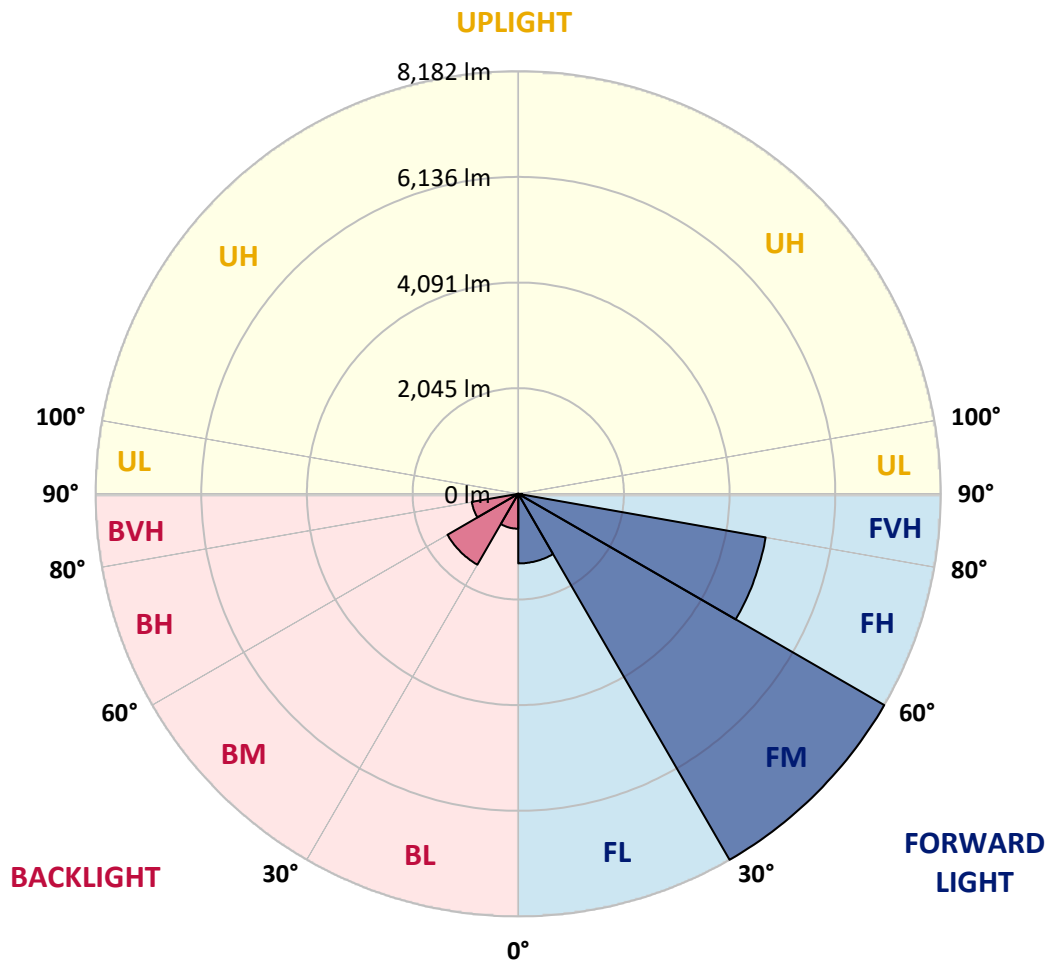


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1347.6	7.6			
FM (30°-60°)	8181.7	46.3			
FH (60°-80°)	4863.4	27.5			G2/5000
FVH (80°-90°)	72.3	0.4			G1/100
BL (0°-30°)	675.8	3.8	B2/1000		
BM (30°-60°)	1583.6	9.0	B2/2500		
BH (60°-80°)	913.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5
2.5°	3093.1	3110.9	3100.7	3095.6	3086.7	3074.0	3063.9	3032.1	2999.0	2977.4
5°	3155.4	3173.2	3172.0	3177.0	3183.4	3187.2	3184.7	3149.1	3102.0	3065.1
7.5°	3102.0	3122.4	3138.9	3164.3	3208.8	3255.9	3278.8	3271.2	3222.8	3172.0
10°	2950.7	2972.3	3011.7	3071.5	3165.6	3267.3	3352.6	3392.0	3361.5	3305.5
12.5°	2673.4	2695.0	2772.6	2902.3	3060.0	3236.8	3399.6	3505.2	3512.8	3456.8
15°	2361.8	2383.4	2466.1	2628.9	2869.3	3152.9	3425.1	3624.7	3692.1	3643.8
17.5°	2168.5	2187.6	2249.9	2380.9	2631.4	2985.0	3416.1	3751.9	3905.8	3867.7
20°	2110.0	2126.5	2155.8	2247.3	2455.9	2810.8	3357.6	3871.5	4136.0	4114.4
22.5°	2172.3	2187.6	2196.5	2237.2	2368.2	2696.3	3283.9	3993.6	4403.1	4405.6
25°	2316.0	2331.3	2321.1	2346.5	2403.8	2660.7	3255.9	4137.3	4738.9	4766.8
27.5°	2552.6	2553.8	2529.7	2528.4	2537.3	2714.1	3285.2	4291.2	5162.4	5214.5
30°	3027.0	3007.9	2915.0	2814.6	2768.8	2874.3	3366.5	4473.0	5662.2	5755.1
32.5°	3758.3	3730.3	3559.9	3319.5	3077.8	3132.5	3512.8	4680.4	6206.6	6374.4
35°	4551.9	4544.3	4366.2	4008.8	3586.6	3500.1	3750.6	4952.5	6800.5	7067.6
37.5°	5289.6	5285.7	5184.0	4763.0	4249.2	4012.6	4132.2	5308.6	7436.4	7823.1
40°	5963.6	5975.1	5873.3	5496.9	4979.2	4670.2	4651.1	5748.7	8143.6	8645.9
42.5°	6546.1	6558.9	6455.8	6177.3	5700.4	5397.7	5288.3	6288.0	8834.2	9529.9
45°	6941.7	7020.5	7005.3	6782.7	6440.6	6126.4	6053.9	6964.6	9621.4	10467.2
47.5°	7053.6	7126.1	7240.6	7271.1	7062.5	6753.4	6839.9	7779.8	10417.6	11405.8
50°	6777.6	6845.0	7082.8	7399.5	7544.5	7449.1	7604.3	8653.6	11232.8	12341.9
52.5°	6233.3	6301.9	6602.1	7103.2	7694.6	7994.8	8371.2	9514.6	12022.7	13228.4
55°	5446.0	5518.5	5903.9	6471.1	7408.4	8219.9	9011.0	10374.4	12746.3	14025.8
57.5°	4375.1	4428.5	4829.2	5622.8	6688.6	7996.0	9482.8	11313.0	13428.0	14809.2
60°	2851.5	2898.5	3364.0	4249.2	5495.6	7248.2	9576.9	12359.7	14333.6	15828.0
62.5°	1896.3	1928.1	2204.1	2854.0	3870.2	5812.3	9026.2	13195.3	15661.4	17600.9
65°	1301.1	1332.9	1608.9	2061.6	2500.4	3844.8	7442.8	13084.6	16864.5	19008.8
67.5°	928.4	955.1	1189.2	1616.5	1809.8	2233.3	5045.4	11670.4	16691.6	19062.3
70°	665.2	680.4	873.8	1259.1	1438.4	1341.8	2805.7	8925.7	14614.7	17602.2
72.5°	465.5	470.6	606.7	959.0	1158.6	979.3	1335.4	5950.9	11053.5	13815.9
75°	315.4	321.8	408.3	703.3	929.7	747.8	707.1	3191.0	6488.9	7647.5
77.5°	193.3	195.9	263.3	480.8	695.7	569.8	455.3	1352.0	2510.6	2464.8
80°	109.4	109.4	167.9	298.9	474.4	367.6	319.2	574.9	794.9	698.2
82.5°	61.0	62.3	122.1	185.7	314.1	217.5	175.5	265.8	343.4	304.0
85°	25.4	28.0	75.0	87.8	150.1	108.1	71.2	111.9	127.2	113.2
87.5°	2.5	3.8	22.9	16.5	17.8	21.6	10.2	21.6	17.8	17.8
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°
2926.5	0°	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5	2926.5
2969.7	2.5°	2945.6	2926.5	2878.2	2822.2	2748.4	2712.8	2664.5	2631.4	2603.4	2606.0
3043.5	5°	3002.8	2954.5	2846.4	2711.6	2543.7	2424.1	2296.9	2209.2	2138.0	2122.7
3145.2	7.5°	3081.7	3005.3	2815.8	2572.9	2289.3	2074.4	1882.3	1758.9	1671.2	1643.2
3268.6	10°	3183.4	3072.8	2776.4	2398.7	1990.4	1717.0	1510.9	1414.3	1354.5	1334.2
3413.6	12.5°	3301.7	3150.3	2724.3	2186.3	1682.6	1419.4	1288.4	1240.0	1221.0	1214.6
3591.7	15°	3450.5	3247.0	2645.4	1934.5	1421.9	1237.5	1181.5	1175.2	1177.7	1175.2
3805.3	17.5°	3627.3	3352.6	2517.0	1675.0	1246.4	1144.7	1124.3	1129.4	1135.7	1134.5
4044.4	20°	3820.6	3456.8	2352.9	1444.8	1126.8	1078.5	1067.1	1072.2	1077.2	1074.7
4320.4	22.5°	4040.6	3568.8	2171.0	1265.5	1046.7	1017.5	1004.7	1006.0	1006.0	1000.9
4670.2	25°	4303.9	3692.1	1980.2	1138.3	985.7	962.8	947.5	942.4	934.8	919.5
5095.0	27.5°	4618.0	3823.1	1797.1	1049.3	937.3	915.7	897.9	885.2	866.1	840.7
5605.0	30°	4971.6	3982.1	1641.9	993.3	899.2	877.6	857.2	838.1	810.2	778.4
6191.3	32.5°	5387.5	4152.5	1528.7	956.4	864.8	842.0	817.8	794.9	764.4	732.6
6850.1	35°	5883.5	4358.6	1462.6	931.0	838.1	807.6	780.9	755.5	732.6	704.6
7566.1	37.5°	6421.5	4577.3	1442.3	918.3	820.3	773.3	742.8	724.9	722.4	705.9
8340.7	40°	7010.4	4836.8	1457.5	910.6	801.3	740.2	707.1	703.3	709.7	680.4
9168.7	42.5°	7633.6	5144.6	1483.0	901.7	774.5	707.1	675.3	675.3	670.3	629.6
10043.7	45°	8307.6	5499.4	1508.4	880.1	742.8	674.1	649.9	641.0	619.4	580.0
10923.8	47.5°	8986.8	5860.6	1527.5	840.7	704.6	646.1	624.5	604.1	572.3	536.7
11787.4	50°	9631.6	6184.9	1507.1	782.2	661.4	619.4	596.5	568.5	534.2	510.0
12605.2	52.5°	10207.7	6466.0	1420.6	713.5	615.6	591.4	571.1	541.8	513.8	488.4
13342.8	55°	10708.9	6693.7	1268.0	648.6	574.9	567.2	546.9	510.0	471.9	450.2
14074.1	57.5°	11189.6	6866.6	1077.2	595.2	538.0	540.5	510.0	476.9	441.3	418.4
15059.8	60°	11829.3	7098.1	883.9	545.6	498.6	506.2	473.1	449.0	404.4	375.2
16750.1	62.5°	12851.9	7458.0	702.1	484.6	452.8	455.3	441.3	412.1	358.7	324.3
18002.8	65°	13663.3	7325.8	553.2	418.4	400.6	404.4	404.4	372.6	315.4	276.0
18070.2	67.5°	13571.8	6272.7	441.3	353.6	351.0	353.6	362.5	335.8	279.8	248.0
16694.1	70°	12502.1	4989.4	353.6	293.8	305.2	298.9	324.3	306.5	251.8	220.0
12942.2	72.5°	10201.4	3594.2	269.6	242.9	234.0	244.2	292.5	276.0	209.9	174.2
6855.2	75°	5961.1	1917.9	200.9	192.0	169.2	203.5	259.5	235.3	160.3	128.5
2101.1	77.5°	1940.8	669.0	147.5	141.2	125.9	164.1	221.3	198.4	131.0	101.7
615.6	80°	520.2	202.2	100.5	92.8	81.4	122.1	175.5	157.7	94.1	66.1
264.5	82.5°	208.6	85.2	58.5	52.1	44.5	83.9	138.6	127.2	70.0	42.0
82.7	85°	67.4	28.0	21.6	16.5	20.3	52.1	82.7	86.5	49.6	21.6
12.7	87.5°	8.9	3.8	3.8	5.1	3.8	8.9	25.4	24.2	14.0	2.5
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°
2926.5
2580.6
2088.4
1615.2
1318.9
1210.8
1173.9
1131.9
1073.4
998.4
917.0
838.1
775.8
733.8
702.1
704.6
681.7
629.6
578.7
535.4
506.2
485.8
447.7
415.9
371.4
321.8
272.2
242.9
216.2
170.4
124.6
97.9
64.9
42.0
16.5
0.0
0.0

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