

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: P848685

Luminaire Tested: **GLAN-SB5B-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848685
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-SB5B-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 450mA 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: 18472 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

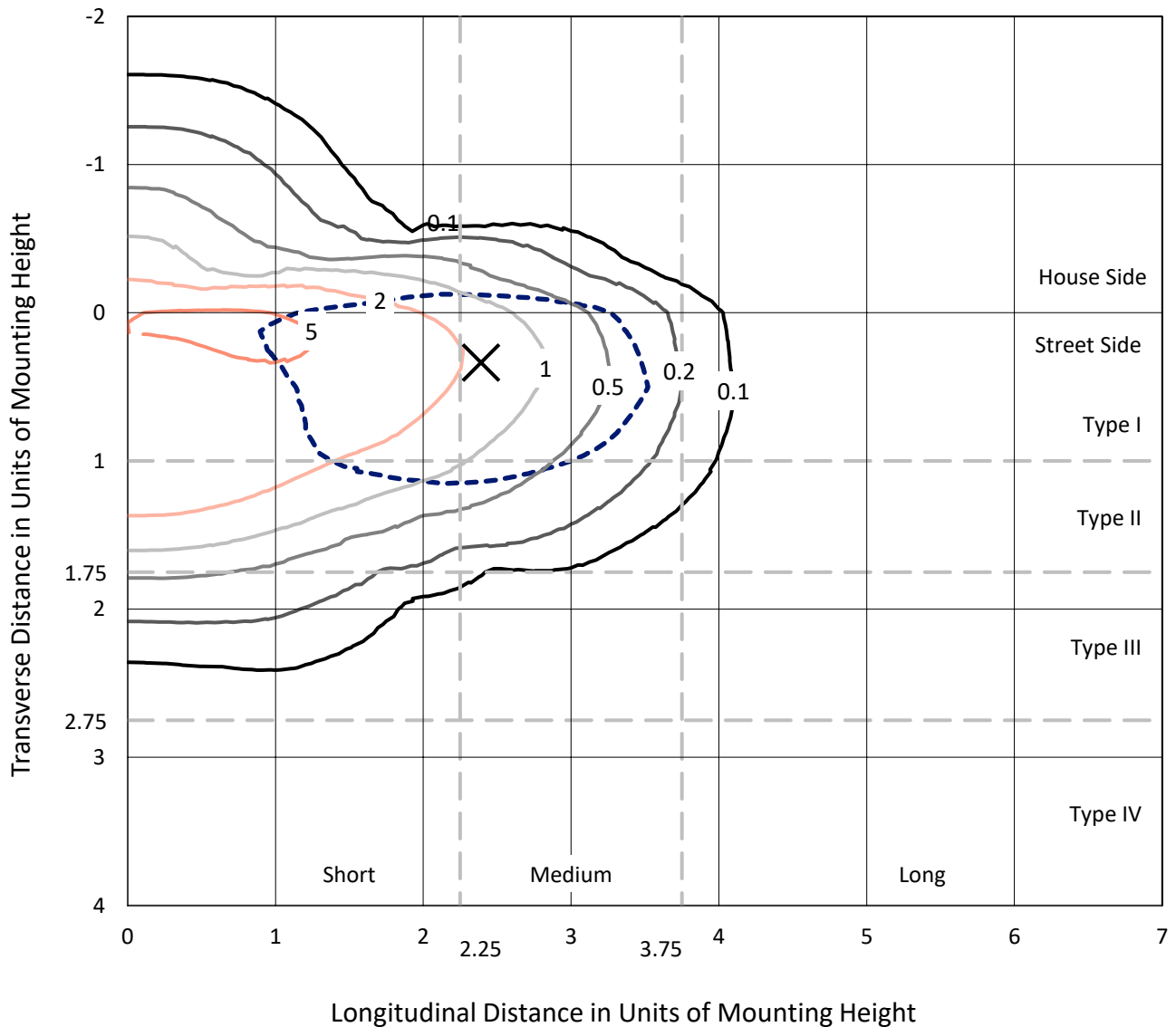
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

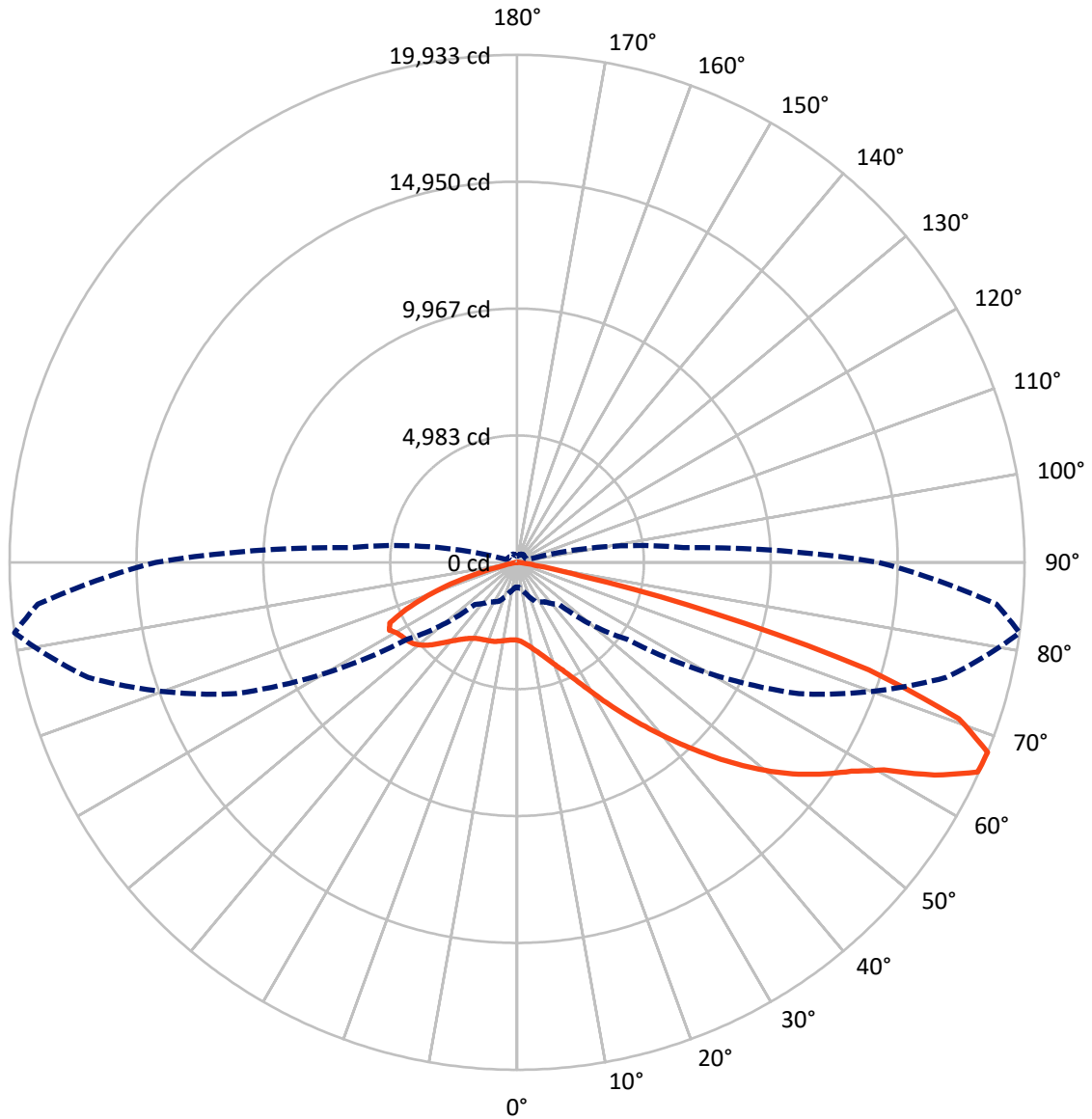
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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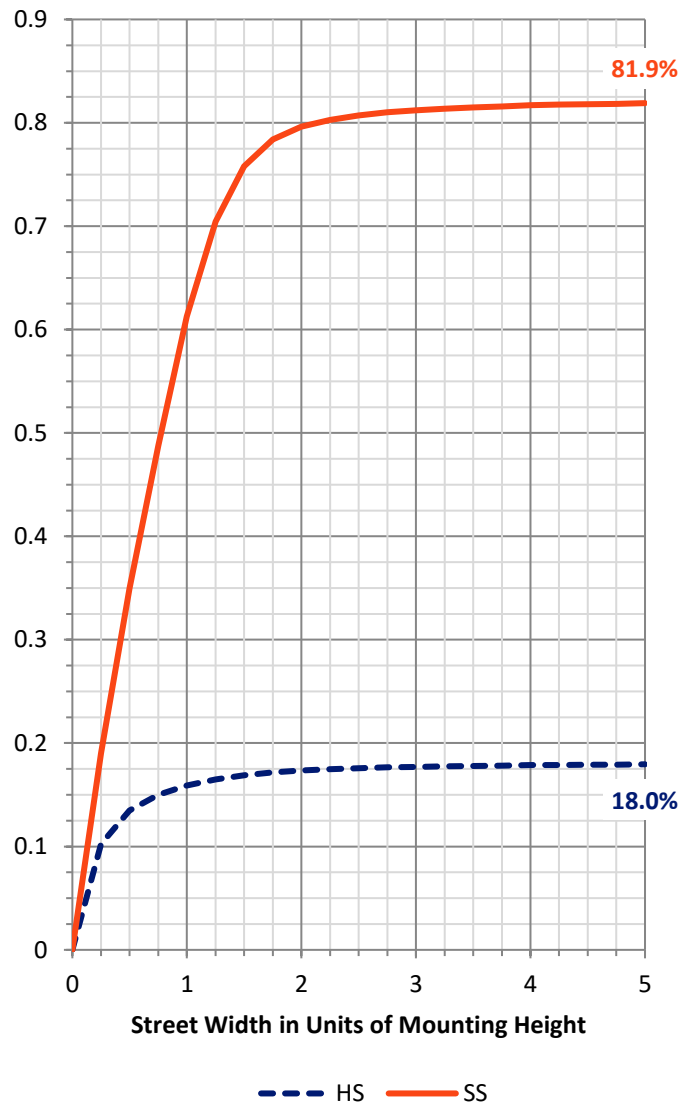
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3346.0	0.0	3346.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	15126.0	0.0	15126.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	18472.0	0.0	18472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	1.5
10°-20°	708.5	3.8
20°-30°	1134.8	6.1
30°-40°	2006.6	10.9
40°-50°	3515.8	19.0
50°-60°	4689.0	25.4
60°-70°	4365.3	23.6
70°-80°	1675.4	9.1
80°-90°	104.1	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°	18472.0	100.0
0°-180°	18472.0	100.0

Coefficient of Utilization

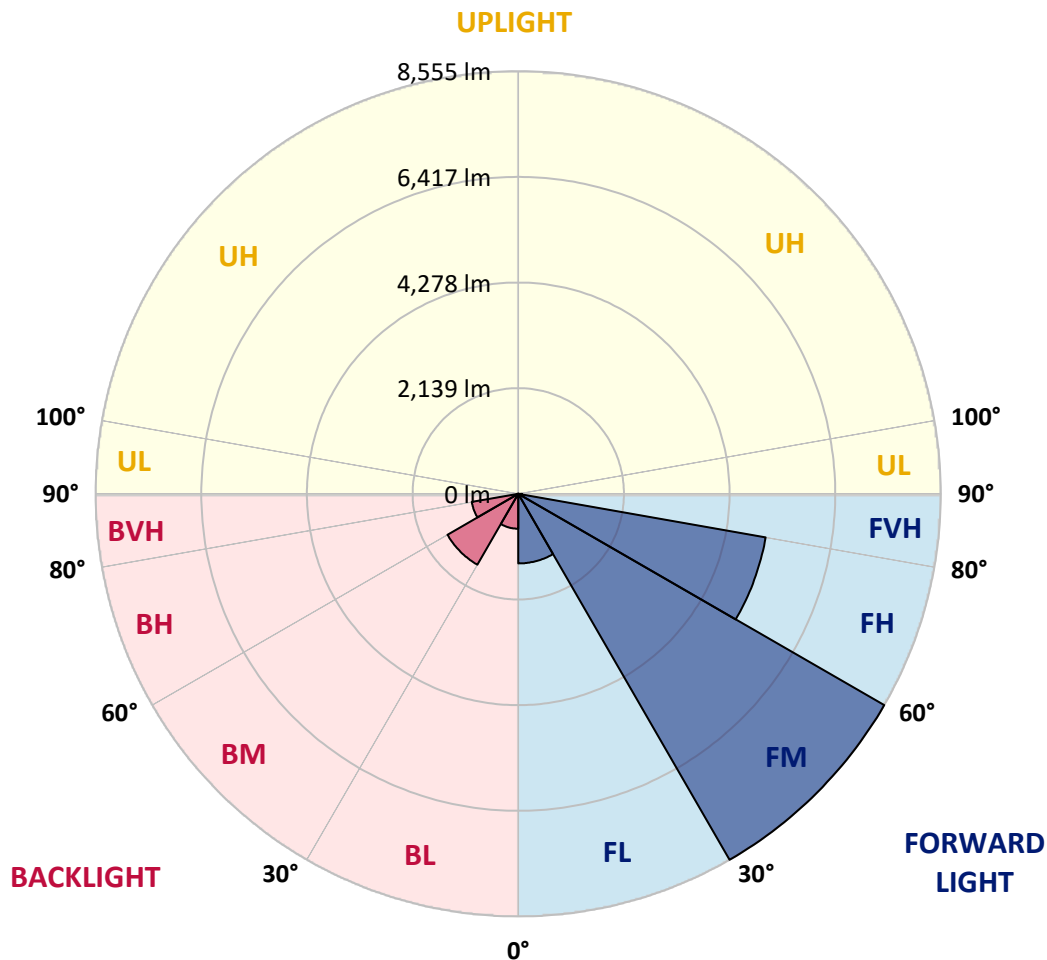


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1409.2	7.6			
FM (30°-60°)	8555.5	46.3			
FH (60°-80°)	5085.6	27.5			G3/7500
FVH (80°-90°)	75.7	0.4			G1/100
BL (0°-30°)	706.7	3.8	B2/1000		
BM (30°-60°)	1655.9	9.0	B2/2500		
BH (60°-80°)	955.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.4	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°	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2
2.5°	3234.4	3253.0	3242.4	3237.1	3227.8	3214.5	3203.8	3170.6	3136.0	3113.4
5°	3299.6	3318.2	3316.9	3322.2	3328.8	3332.8	3330.2	3292.9	3243.7	3205.1
7.5°	3243.7	3265.0	3282.3	3308.9	3355.4	3404.6	3428.6	3420.6	3370.1	3316.9
10°	3085.5	3108.1	3149.3	3211.8	3310.2	3416.6	3505.7	3546.9	3515.0	3456.5
12.5°	2795.5	2818.1	2899.3	3034.9	3199.8	3384.7	3554.9	3665.3	3673.3	3614.8
15°	2469.7	2492.3	2578.7	2749.0	3000.3	3296.9	3581.5	3790.3	3860.8	3810.3
17.5°	2267.5	2287.5	2352.7	2489.6	2751.6	3121.4	3572.2	3923.3	4084.2	4044.3
20°	2206.4	2223.7	2254.2	2350.0	2568.1	2939.2	3511.0	4048.3	4325.0	4302.3
22.5°	2271.5	2287.5	2296.8	2339.4	2476.3	2819.5	3433.9	4176.0	4604.2	4606.9
25°	2421.8	2437.8	2427.1	2453.7	2513.6	2782.2	3404.6	4326.3	4955.3	4984.6
27.5°	2669.2	2670.5	2645.2	2643.9	2653.2	2838.1	3435.2	4487.2	5398.2	5452.7
30°	3165.3	3145.3	3048.2	2943.2	2895.3	3005.7	3520.3	4677.4	5920.9	6018.0
32.5°	3930.0	3900.7	3722.5	3471.1	3218.4	3275.6	3673.3	4894.2	6490.1	6665.6
35°	4759.8	4751.9	4565.7	4192.0	3750.4	3660.0	3922.0	5178.8	7111.2	7390.5
37.5°	5531.2	5527.2	5420.8	4980.6	4443.3	4196.0	4321.0	5551.2	7776.1	8180.4
40°	6236.1	6248.0	6141.6	5748.0	5206.7	4883.5	4863.6	6011.3	8515.6	9040.9
42.5°	6845.2	6858.5	6750.8	6459.5	5960.8	5644.3	5529.9	6575.2	9237.7	9965.2
45°	7258.8	7341.3	7325.3	7092.6	6734.8	6406.3	6330.5	7282.7	10061.0	10945.4
47.5°	7375.8	7451.6	7571.3	7603.3	7385.1	7062.0	7152.4	8135.2	10893.5	11926.9
50°	7087.2	7157.7	7406.4	7737.6	7889.2	7789.4	7951.7	9048.9	11746.0	12905.7
52.5°	6518.0	6589.8	6903.7	7427.7	8046.1	8360.0	8753.6	9949.3	12571.9	13832.7
55°	5694.8	5770.6	6173.6	6766.7	7746.9	8595.4	9422.6	10848.3	13328.6	14666.5
57.5°	4575.0	4630.8	5049.8	5879.7	6994.1	8361.3	9916.0	11829.8	14041.5	15485.8
60°	2981.7	3030.9	3517.7	4443.3	5746.7	7579.3	10014.4	12924.3	14988.4	16551.1
62.5°	1982.9	2016.2	2304.8	2984.4	4047.0	6077.8	9438.6	13798.1	16376.8	18405.0
65°	1360.5	1393.8	1682.4	2155.8	2614.7	4020.4	7782.8	13682.4	17635.0	19877.2
67.5°	970.9	998.8	1243.5	1690.4	1892.5	2335.4	5275.9	12203.5	17454.1	19933.1
70°	695.6	711.5	913.7	1316.6	1504.2	1403.1	2933.8	9333.5	15282.3	18406.3
72.5°	486.8	492.1	634.4	1002.8	1211.6	1024.1	1396.4	6222.8	11558.5	14447.1
75°	329.8	336.5	426.9	735.5	972.2	782.0	739.4	3336.8	6785.3	7996.9
77.5°	202.2	204.8	275.3	502.7	727.5	595.8	476.1	1413.7	2625.3	2577.4
80°	114.4	114.4	175.6	312.5	496.1	384.4	333.8	601.1	831.2	730.1
82.5°	63.8	65.2	127.7	194.2	328.5	227.4	183.5	278.0	359.1	317.9
85°	26.6	29.3	78.5	91.8	156.9	113.0	74.5	117.0	133.0	118.4
87.5°	2.7	4.0	23.9	17.3	18.6	22.6	10.6	22.6	18.6	18.6
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°
3060.2	0°	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2	3060.2
3105.4	2.5°	3080.1	3060.2	3009.6	2951.1	2874.0	2836.8	2786.2	2751.6	2722.4	2725.0
3182.5	5°	3140.0	3089.4	2976.4	2835.4	2659.9	2534.9	2401.9	2310.1	2235.6	2219.7
3288.9	7.5°	3222.4	3142.6	2944.5	2690.5	2393.9	2169.1	1968.3	1839.3	1747.5	1718.3
3417.9	10°	3328.8	3213.1	2903.3	2508.3	2081.4	1795.4	1580.0	1478.9	1416.4	1395.1
3569.6	12.5°	3452.5	3294.3	2848.7	2286.2	1759.5	1484.2	1347.2	1296.7	1276.7	1270.1
3755.7	15°	3608.1	3395.3	2766.3	2022.8	1486.9	1294.0	1235.5	1228.9	1231.5	1228.9
3979.2	17.5°	3793.0	3505.7	2631.9	1751.5	1303.3	1196.9	1175.7	1181.0	1187.6	1186.3
4229.2	20°	3995.1	3614.8	2460.4	1510.8	1178.3	1127.8	1115.8	1121.1	1126.5	1123.8
4517.8	22.5°	4225.2	3731.8	2270.2	1323.3	1094.5	1063.9	1050.7	1052.0	1052.0	1046.7
4883.5	25°	4500.5	3860.8	2070.7	1190.3	1030.7	1006.8	990.8	985.5	977.5	961.5
5327.7	27.5°	4829.0	3997.8	1879.2	1097.2	980.2	957.6	938.9	925.6	905.7	879.1
5861.0	30°	5198.7	4164.0	1716.9	1038.7	940.3	917.7	896.4	876.4	847.2	813.9
6474.1	32.5°	5633.6	4342.2	1598.6	1000.1	904.4	880.4	855.1	831.2	799.3	766.0
7163.0	35°	6152.3	4557.7	1529.4	973.5	876.4	844.5	816.6	790.0	766.0	736.8
7911.8	37.5°	6714.9	4786.4	1508.1	960.2	857.8	808.6	776.7	758.1	755.4	738.1
8721.7	40°	7330.6	5057.8	1524.1	952.2	837.9	774.0	739.4	735.5	742.1	711.5
9587.5	42.5°	7982.3	5379.6	1550.7	942.9	809.9	739.4	706.2	706.2	700.9	658.3
10502.5	45°	8687.1	5750.6	1577.3	920.3	776.7	704.9	679.6	670.3	647.7	606.5
11422.8	47.5°	9397.3	6128.4	1597.3	879.1	736.8	675.6	653.0	631.7	598.5	561.2
12325.9	50°	10071.6	6467.5	1576.0	817.9	691.6	647.7	623.7	594.5	558.6	533.3
13181.0	52.5°	10674.1	6761.4	1485.5	746.1	643.7	618.4	597.1	566.6	537.3	510.7
13952.4	55°	11198.1	6999.5	1325.9	678.3	601.1	593.2	571.9	533.3	493.4	470.8
14717.1	57.5°	11700.8	7180.3	1126.5	622.4	562.6	565.2	533.3	498.7	461.5	437.5
15747.8	60°	12369.7	7422.4	924.3	570.5	521.3	529.3	494.7	469.5	422.9	392.3
17515.3	62.5°	13439.0	7798.8	734.1	506.7	473.5	476.1	461.5	430.9	375.0	339.1
18825.3	65°	14287.5	7660.4	578.5	437.5	418.9	422.9	422.9	389.7	329.8	288.6
18895.7	67.5°	14191.8	6559.2	461.5	369.7	367.1	369.7	379.0	351.1	292.6	259.3
17456.8	70°	13073.3	5217.3	369.7	307.2	319.2	312.5	339.1	320.5	263.3	230.1
13533.4	72.5°	10667.4	3758.4	281.9	254.0	244.7	255.3	305.9	288.6	219.4	182.2
7168.4	75°	6233.4	2005.5	210.1	200.8	176.9	212.8	271.3	246.0	167.6	134.3
2197.1	77.5°	2029.5	699.5	154.3	147.6	131.7	171.6	231.4	207.5	137.0	106.4
643.7	80°	543.9	211.5	105.1	97.1	85.1	127.7	183.5	164.9	98.4	69.2
276.6	82.5°	218.1	89.1	61.2	54.5	46.5	87.8	145.0	133.0	73.1	43.9
86.4	85°	70.5	29.3	22.6	17.3	21.3	54.5	86.4	90.4	51.9	22.6
13.3	87.5°	9.3	4.0	4.0	5.3	4.0	9.3	26.6	25.3	14.6	2.7
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°
3060.2
2698.4
2183.8
1689.0
1379.1
1266.1
1227.5
1183.6
1122.5
1044.0
958.9
876.4
811.3
767.4
734.1
736.8
712.8
658.3
605.1
559.9
529.3
508.0
468.1
434.9
388.3
336.5
284.6
254.0
226.1
178.2
130.3
102.4
67.8
43.9
17.3
0.0
0.0

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