

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: P848605

Luminaire Tested: **GLAN-SB5B-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848605
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 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: 20064 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

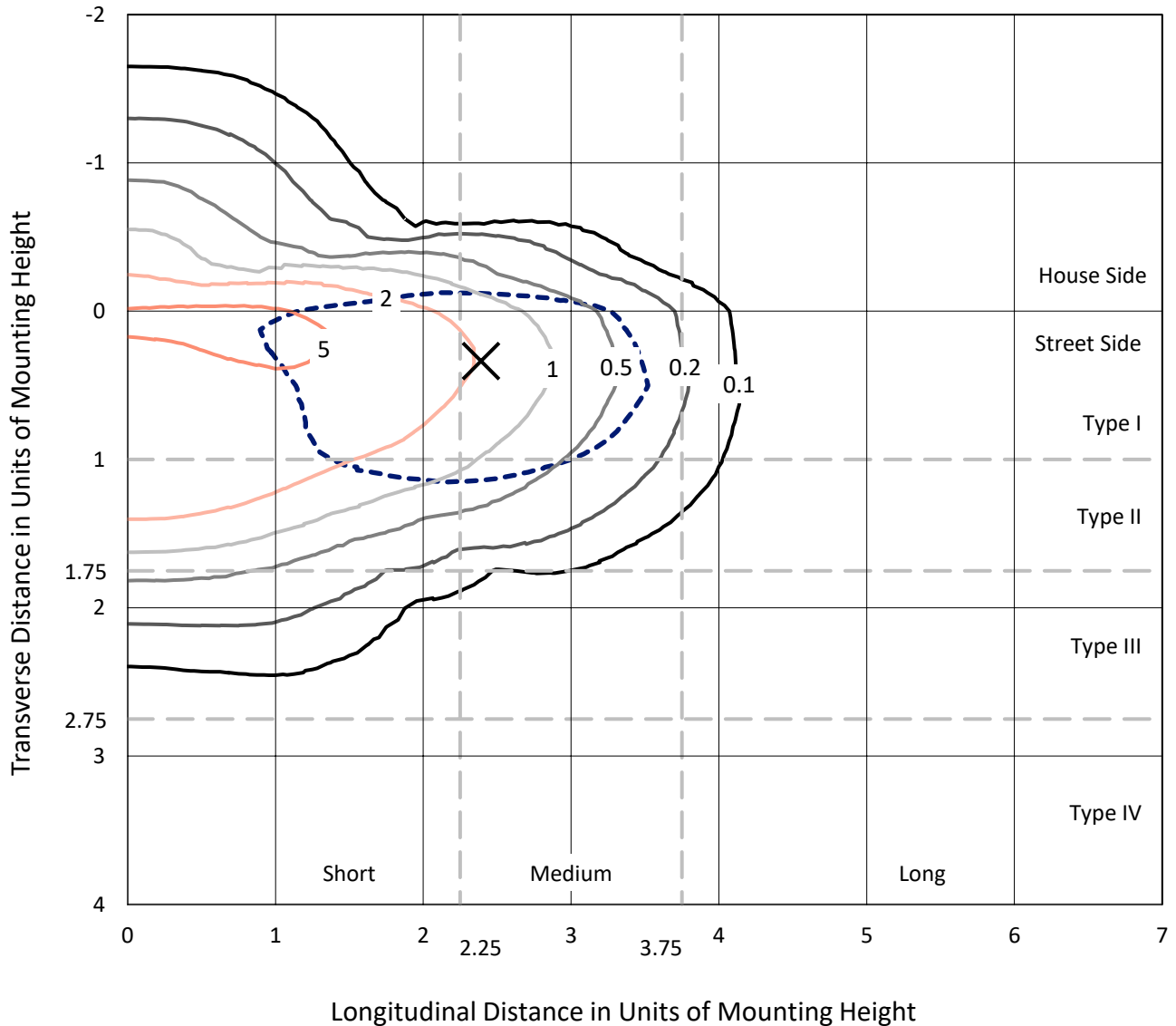
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

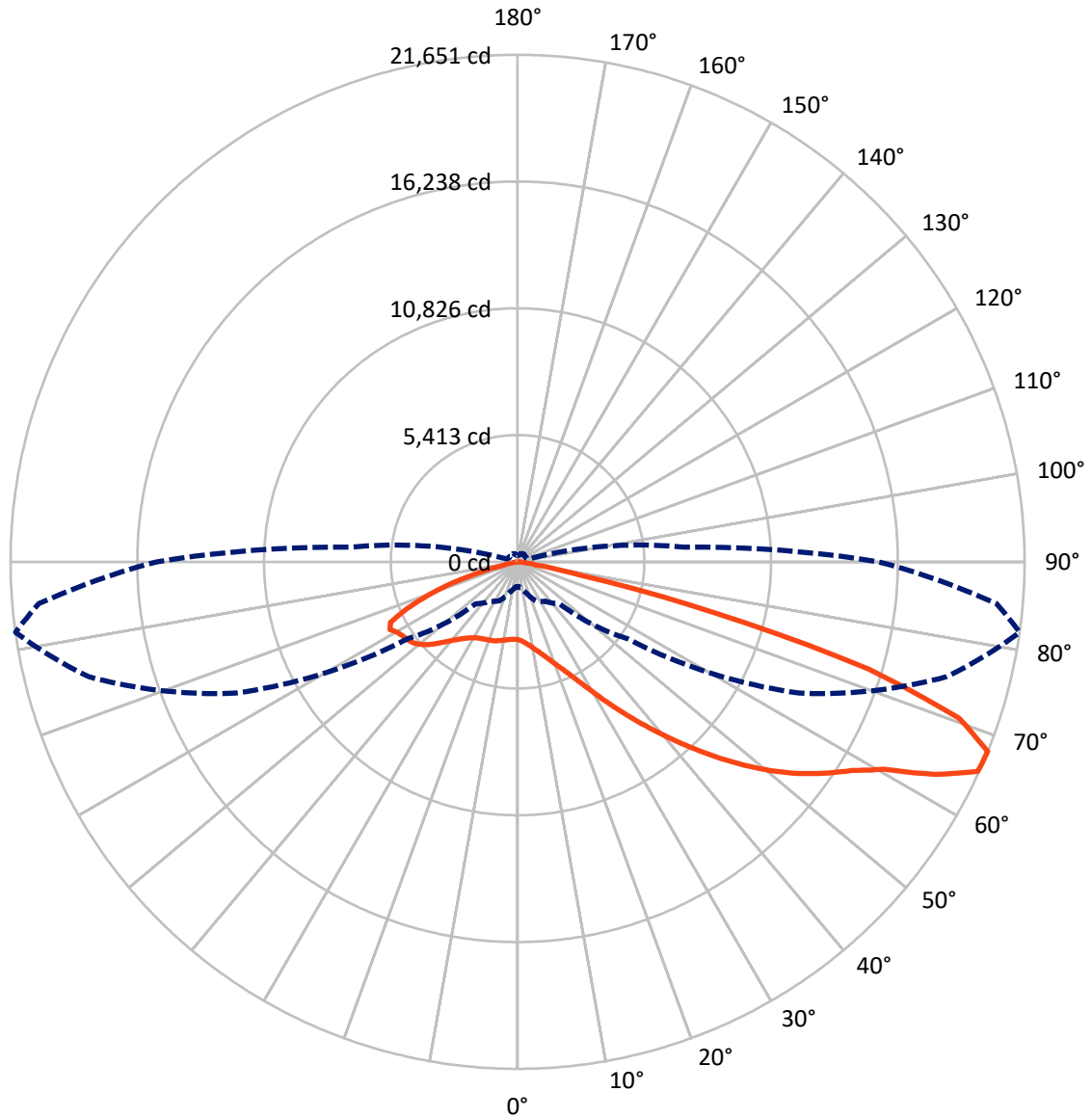
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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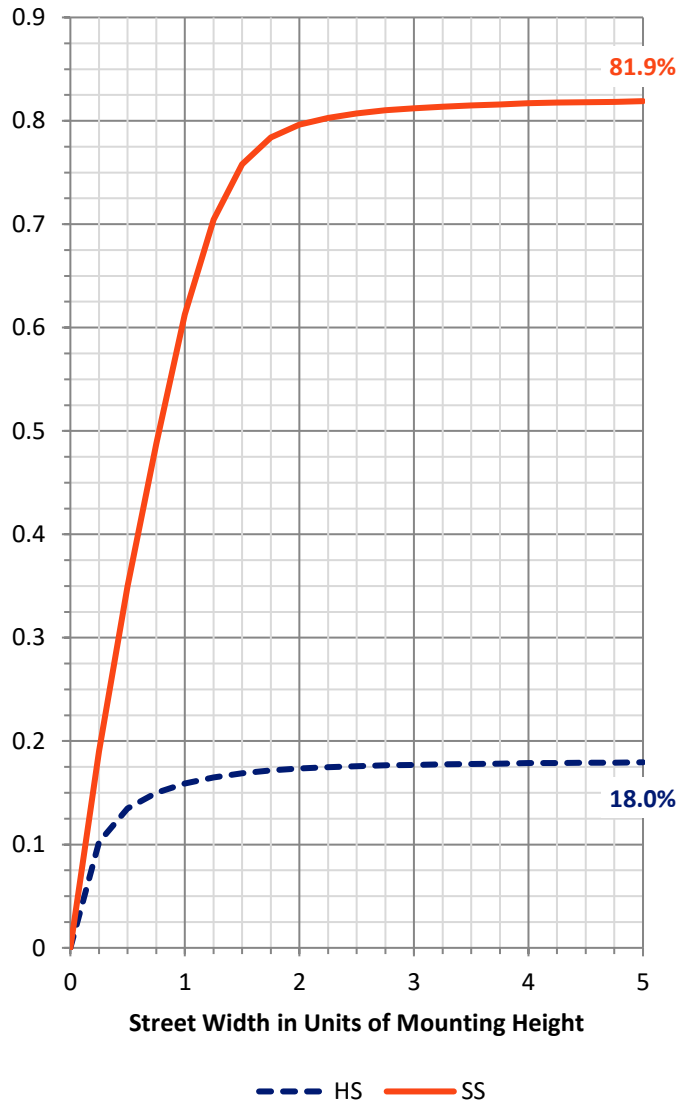
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3634.4	0.0	3634.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16429.6	0.0	16429.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	20064.0	0.0	20064.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.1	1.5
10°-20°	769.5	3.8
20°-30°	1232.6	6.1
30°-40°	2179.5	10.9
40°-50°	3818.8	19.0
50°-60°	5093.2	25.4
60°-70°	4741.5	23.6
70°-80°	1819.8	9.1
80°-90°	113.0	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°	20064.0	100.0
0°-180°	20064.0	100.0

Coefficient of Utilization

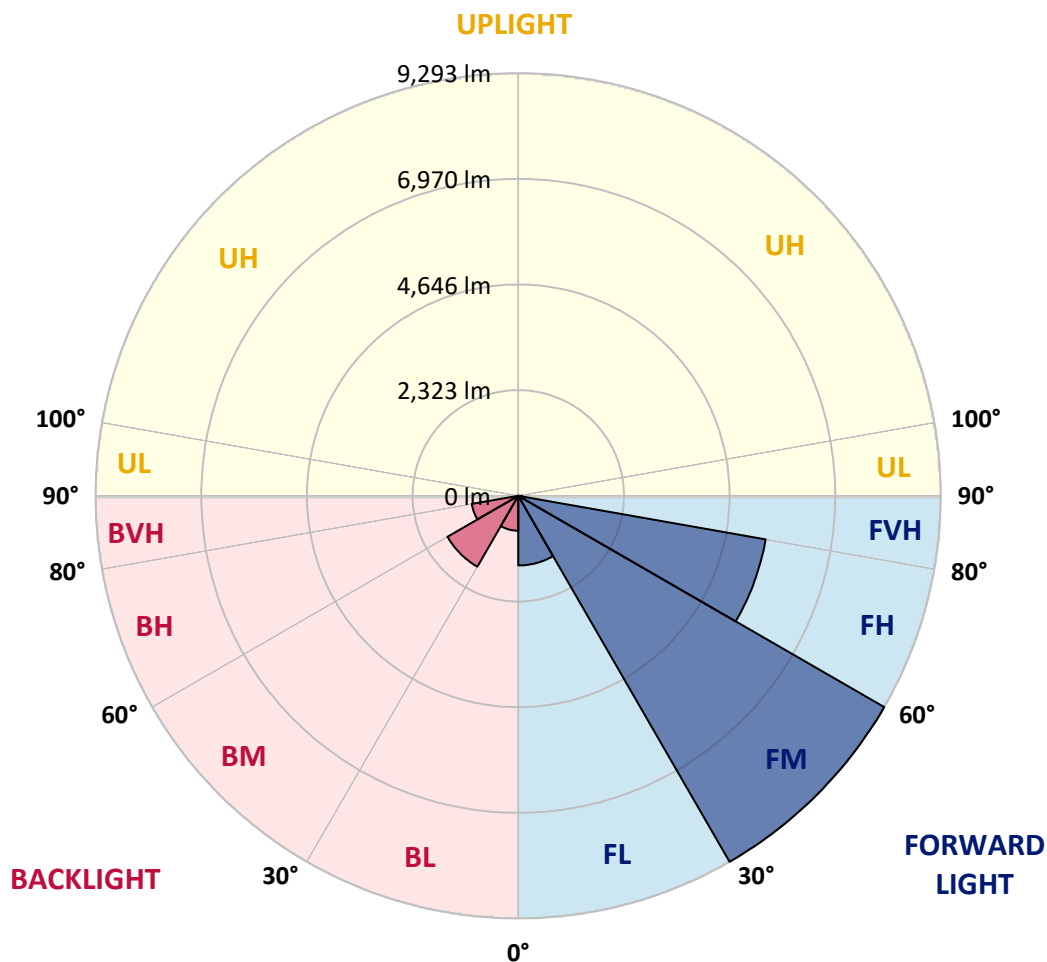


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1530.7	7.6			
FM (30°-60°)	9292.8	46.3			
FH (60°-80°)	5523.9	27.5			G3/7500
FVH (80°-90°)	82.2	0.4			G1/100
BL (0°-30°)	767.6	3.8	B2/1000		
BM (30°-60°)	1798.7	9.0	B2/2500		
BH (60°-80°)	1037.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.9	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°	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9
2.5°	3513.2	3533.4	3521.8	3516.1	3505.9	3491.5	3479.9	3443.8	3406.3	3381.7
5°	3583.9	3604.2	3602.7	3608.5	3615.7	3620.1	3617.2	3576.7	3523.3	3481.4
7.5°	3523.3	3546.4	3565.2	3594.1	3644.6	3698.1	3724.1	3715.4	3660.5	3602.7
10°	3351.4	3375.9	3420.7	3488.6	3595.5	3711.1	3807.9	3852.6	3818.0	3754.4
12.5°	3036.5	3061.0	3149.1	3296.5	3475.6	3676.4	3861.3	3981.2	3989.9	3926.3
15°	2682.5	2707.1	2801.0	2985.9	3258.9	3581.1	3890.2	4117.0	4193.5	4138.7
17.5°	2463.0	2484.6	2555.4	2704.2	2988.8	3390.4	3880.1	4261.4	4436.2	4392.9
20°	2396.5	2415.3	2448.5	2552.5	2789.4	3192.5	3813.6	4397.2	4697.7	4673.1
22.5°	2467.3	2484.6	2494.8	2541.0	2689.8	3062.5	3729.8	4535.9	5001.1	5003.9
25°	2630.5	2647.9	2636.3	2665.2	2730.2	3022.0	3698.1	4699.1	5382.4	5414.2
27.5°	2899.2	2900.7	2873.2	2871.8	2881.9	3082.7	3731.3	4873.9	5863.5	5922.7
30°	3438.0	3416.4	3310.9	3196.8	3144.8	3264.7	3823.7	5080.5	6431.2	6536.6
32.5°	4268.7	4236.9	4043.3	3770.3	3495.8	3557.9	3989.9	5316.0	7049.4	7240.1
35°	5170.1	5161.4	4959.2	4553.2	4073.7	3975.4	4260.0	5625.1	7724.0	8027.4
37.5°	6007.9	6003.6	5888.0	5409.9	4826.3	4557.6	4693.4	6029.6	8446.3	8885.5
40°	6773.5	6786.5	6671.0	6243.4	5655.4	5304.4	5282.7	6529.4	9249.5	9820.1
42.5°	7435.1	7449.6	7332.6	7016.2	6474.5	6130.7	6006.5	7141.9	10033.9	10824.1
45°	7884.4	7974.0	7956.6	7703.8	7315.2	6958.4	6876.1	7910.4	10928.1	11888.7
47.5°	8011.5	8093.9	8223.9	8258.5	8021.6	7670.6	7768.8	8836.4	11832.4	12954.8
50°	7698.0	7774.6	8044.7	8404.4	8569.1	8460.8	8637.0	9828.8	12758.3	14018.0
52.5°	7079.8	7157.8	7498.7	8067.9	8739.6	9080.5	9508.1	10806.7	13655.4	15024.8
55°	6185.6	6267.9	6705.6	7349.9	8414.5	9336.2	10234.7	11783.3	14477.4	15930.6
57.5°	4969.3	5029.9	5485.0	6386.4	7596.9	9081.9	10770.6	12849.3	15251.6	16820.4
60°	3238.7	3292.1	3820.9	4826.3	6241.9	8232.5	10877.5	14038.2	16280.2	17977.5
62.5°	2153.8	2189.9	2503.4	3241.6	4395.8	6601.6	10252.0	14987.3	17788.3	19991.2
65°	1477.8	1513.9	1827.4	2341.6	2840.0	4366.9	8453.5	14861.6	19154.8	21590.3
67.5°	1054.5	1084.9	1350.7	1836.0	2055.6	2536.6	5730.6	13255.3	18958.4	21651.0
70°	755.5	772.8	992.4	1430.1	1633.8	1524.0	3186.7	10137.9	16599.4	19992.7
72.5°	528.7	534.5	689.1	1089.2	1316.0	1112.3	1516.8	6759.1	12554.6	15692.2
75°	358.3	365.5	463.7	798.8	1056.0	849.4	803.2	3624.4	7370.1	8686.1
77.5°	219.6	222.5	299.0	546.0	790.2	647.2	517.2	1535.6	2851.6	2799.6
80°	124.2	124.2	190.7	339.5	538.8	417.5	362.6	652.9	902.8	793.1
82.5°	69.3	70.8	138.7	210.9	356.8	247.0	199.3	301.9	390.0	345.2
85°	28.9	31.8	85.2	99.7	170.5	122.8	80.9	127.1	144.5	128.6
87.5°	2.9	4.3	26.0	18.8	20.2	24.6	11.6	24.6	20.2	20.2
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°
3323.9	0°	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9
3373.0	2.5°	3345.6	3323.9	3269.0	3205.5	3121.7	3081.2	3026.3	2988.8	2957.0	2959.9
3456.8	5°	3410.6	3355.7	3232.9	3079.8	2889.1	2753.3	2608.9	2509.2	2428.3	2411.0
3572.4	7.5°	3500.2	3413.5	3198.2	2922.3	2600.2	2356.1	2137.9	1997.8	1898.1	1866.4
3712.5	10°	3615.7	3490.0	3153.5	2724.4	2260.7	1950.2	1716.1	1606.3	1538.5	1515.3
3877.2	12.5°	3750.1	3578.2	3094.2	2483.2	1911.1	1612.1	1463.3	1408.4	1386.8	1379.6
4079.4	15°	3919.1	3688.0	3004.7	2197.2	1615.0	1405.6	1342.0	1334.8	1337.7	1334.8
4322.1	17.5°	4119.9	3807.9	2858.8	1902.5	1415.7	1300.1	1277.0	1282.8	1290.0	1288.5
4593.7	20°	4339.4	3926.3	2672.4	1641.0	1279.9	1225.0	1212.0	1217.8	1223.5	1220.7
4907.2	22.5°	4589.4	4053.4	2465.9	1437.3	1188.9	1155.6	1141.2	1142.6	1142.6	1136.9
5304.4	25°	4888.4	4193.5	2249.2	1292.9	1119.5	1093.5	1076.2	1070.4	1061.7	1044.4
5786.9	27.5°	5245.2	4342.3	2041.2	1191.8	1064.6	1040.1	1019.9	1005.4	983.7	954.9
6366.2	30°	5646.8	4522.9	1864.9	1128.2	1021.3	996.7	973.6	952.0	920.2	884.1
7032.1	32.5°	6119.1	4716.5	1736.4	1086.3	982.3	956.3	928.9	902.8	868.2	832.1
7780.4	35°	6682.5	4950.5	1661.2	1057.4	952.0	917.3	887.0	858.1	832.1	800.3
8593.7	37.5°	7293.6	5199.0	1638.1	1043.0	931.7	878.3	843.6	823.4	820.5	801.7
9473.4	40°	7962.4	5493.7	1655.5	1034.3	910.1	840.7	803.2	798.8	806.1	772.8
10413.8	42.5°	8670.2	5843.2	1684.4	1024.2	879.7	803.2	767.1	767.1	761.3	715.1
11407.7	45°	9435.8	6246.3	1713.2	999.6	843.6	765.6	738.2	728.1	703.5	658.7
12407.3	47.5°	10207.2	6656.5	1734.9	954.9	800.3	733.8	709.3	686.2	650.1	609.6
13388.2	50°	10939.6	7024.9	1711.8	888.4	751.2	703.5	677.5	645.7	606.7	579.3
14317.0	52.5°	11594.0	7344.1	1613.6	810.4	699.2	671.7	648.6	615.4	583.6	554.7
15154.8	55°	12163.2	7602.7	1440.2	736.7	652.9	644.3	621.2	579.3	535.9	511.4
15985.5	57.5°	12709.2	7799.2	1223.5	676.1	611.0	613.9	579.3	541.7	501.3	475.3
17105.0	60°	13435.8	8062.1	1004.0	619.7	566.3	574.9	537.4	509.9	459.4	426.1
19024.8	62.5°	14597.2	8470.9	797.4	550.4	514.3	517.2	501.3	468.0	407.4	368.4
20447.7	65°	15518.9	8320.6	628.4	475.3	455.0	459.4	459.4	423.3	358.3	313.5
20524.3	67.5°	15414.9	7124.6	501.3	401.6	398.7	401.6	411.7	381.4	317.8	281.7
18961.3	70°	14200.0	5667.0	401.6	333.7	346.7	339.5	368.4	348.1	286.0	249.9
14699.8	72.5°	11586.8	4082.3	306.2	275.9	265.8	277.4	332.2	313.5	238.4	197.9
7786.2	75°	6770.6	2178.4	228.2	218.1	192.1	231.1	294.7	267.2	182.0	145.9
2386.4	77.5°	2204.4	759.8	167.6	160.3	143.0	186.3	251.4	225.4	148.8	115.6
699.2	80°	590.8	229.7	114.1	105.5	92.5	138.7	199.3	179.1	106.9	75.1
300.5	82.5°	236.9	96.8	66.4	59.2	50.6	95.3	157.5	144.5	79.5	47.7
93.9	85°	76.6	31.8	24.6	18.8	23.1	59.2	93.9	98.2	56.3	24.6
14.4	87.5°	10.1	4.3	4.3	5.8	4.3	10.1	28.9	27.4	15.9	2.9
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°
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3323.9
2931.0
2372.0
1834.6
1498.0
1375.2
1333.3
1285.7
1219.2
1134.0
1041.5
952.0
881.2
833.5
797.4
800.3
774.3
715.1
657.3
608.2
574.9
551.8
508.5
472.4
421.8
365.5
309.1
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245.6
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