

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: P848165

Luminaire Tested: **GLAN-SB4C-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848165
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-SB4C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 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: 18147 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

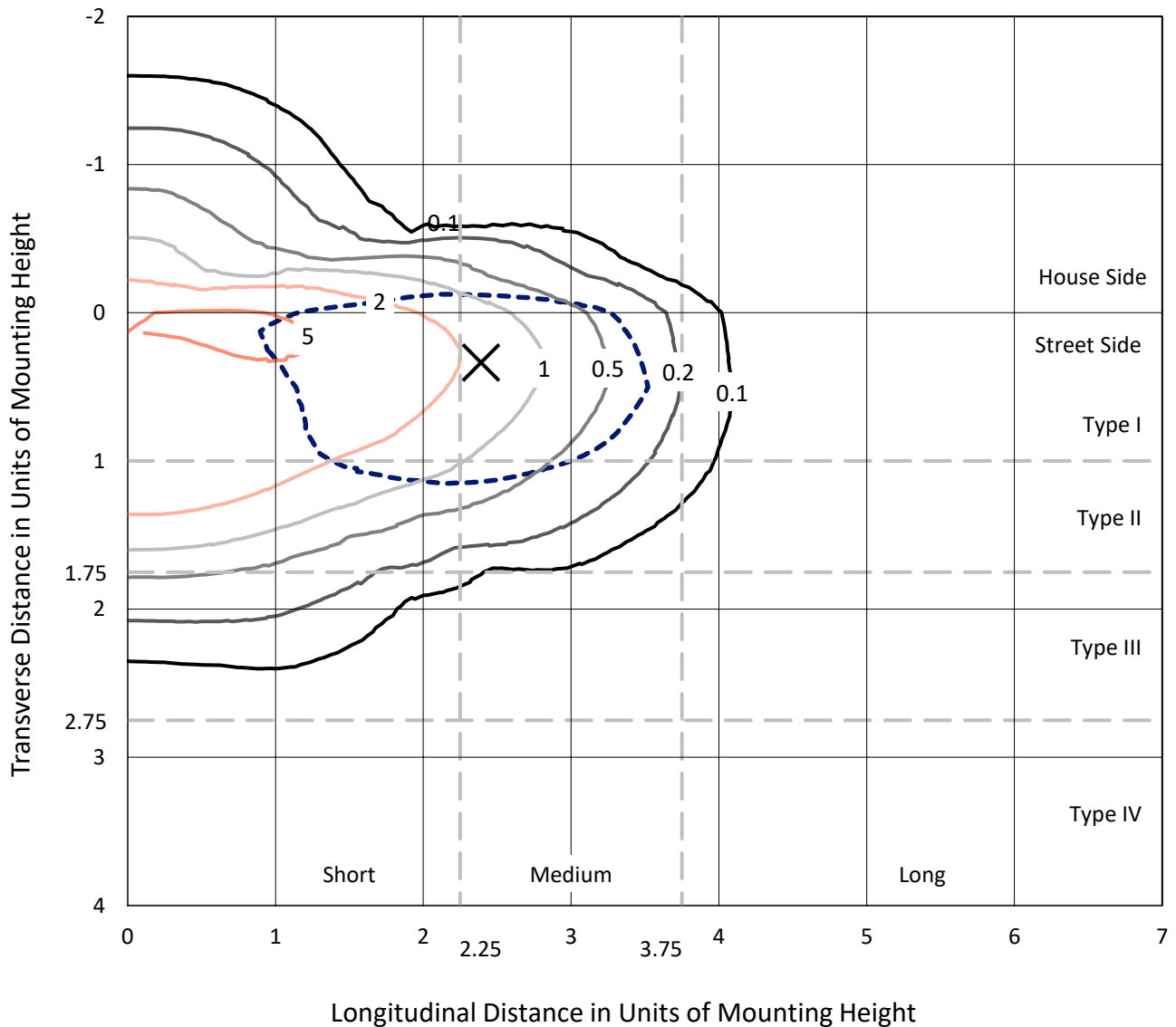
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

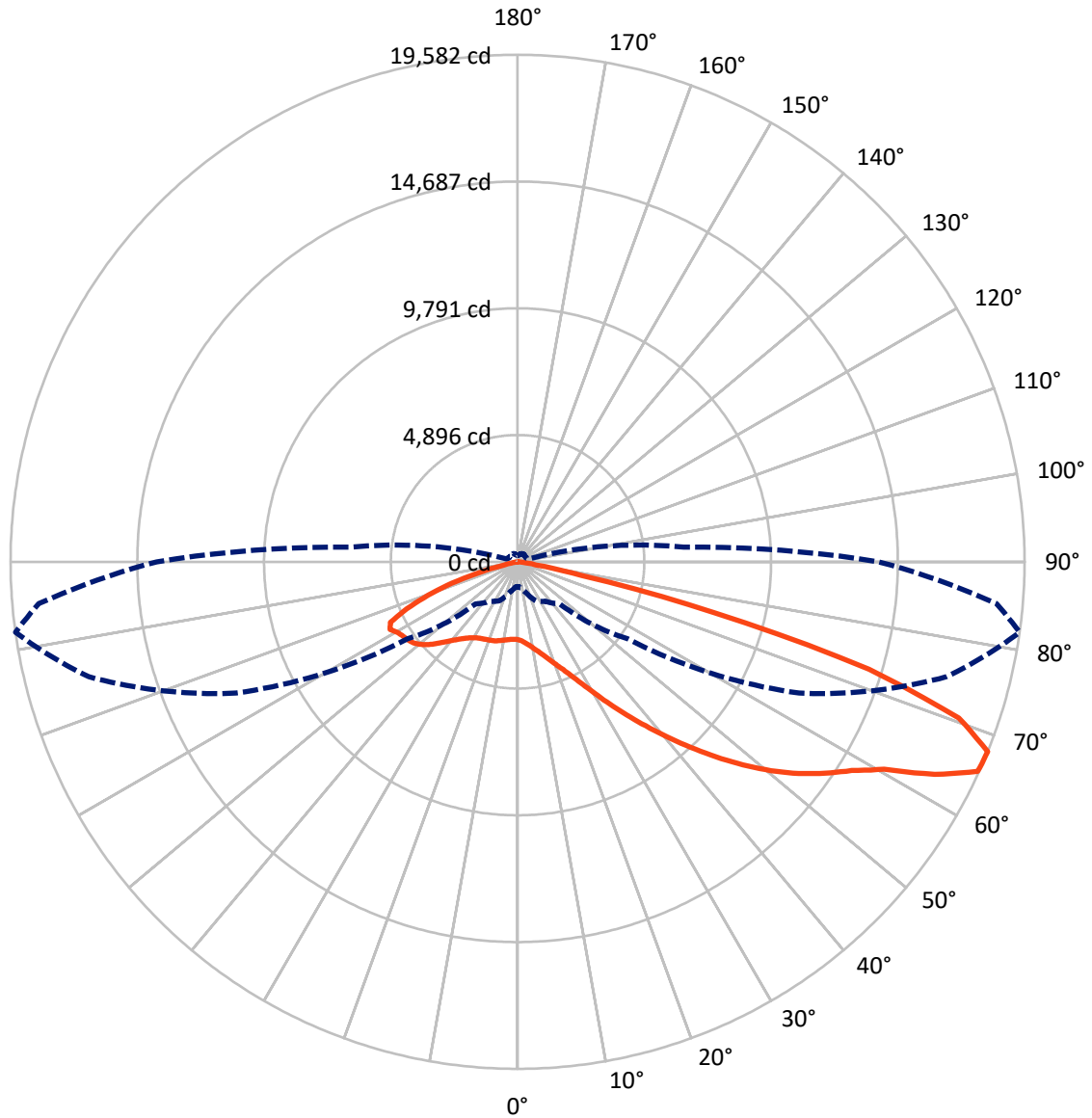
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	3287.2	0.0	3287.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14859.8	0.0	14859.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	18147.0	0.0	18147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.8	1.5
10°-20°	696.0	3.8
20°-30°	1114.8	6.1
30°-40°	1971.3	10.9
40°-50°	3453.9	19.0
50°-60°	4606.5	25.4
60°-70°	4288.5	23.6
70°-80°	1645.9	9.1
80°-90°	102.2	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°	18147.0	100.0
0°-180°	18147.0	100.0

Coefficient of Utilization

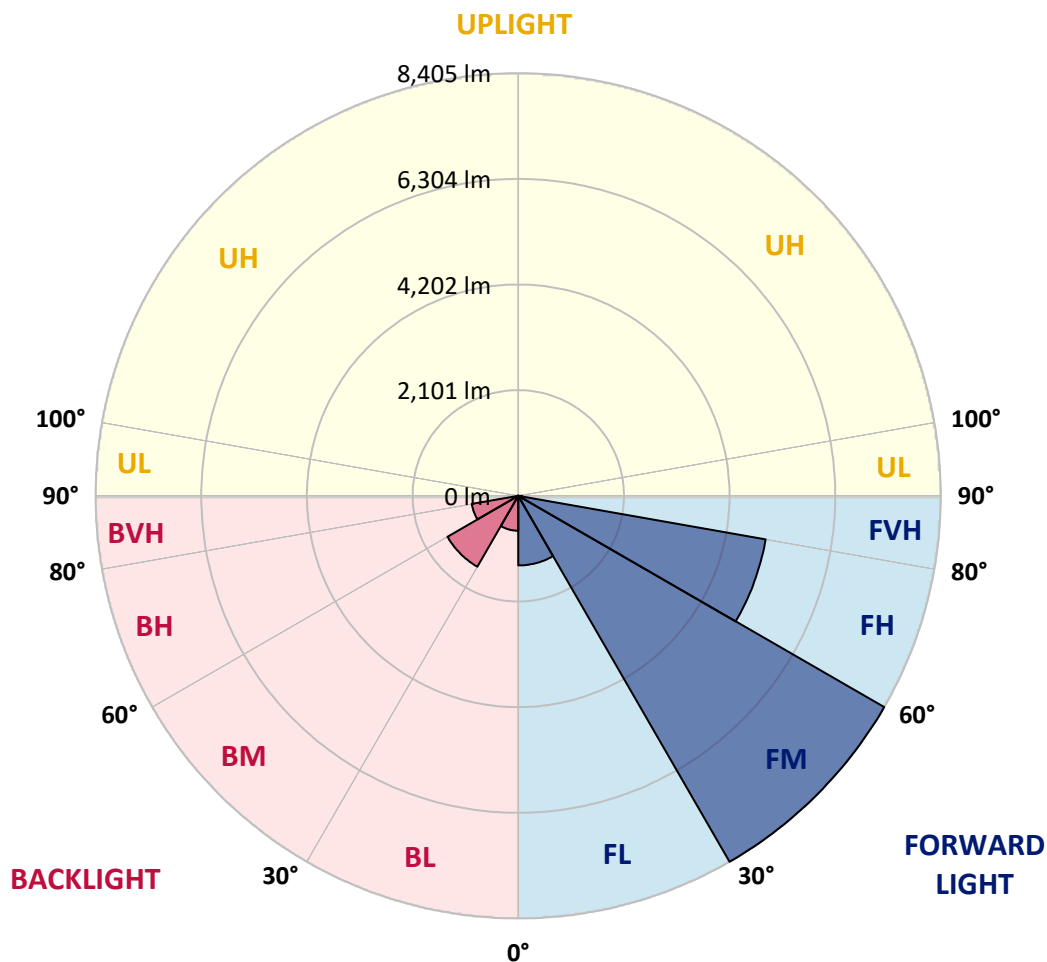


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1384.4	7.6			
FM (30°-60°)	8404.9	46.3			
FH (60°-80°)	4996.1	27.5			G2/5000
FVH (80°-90°)	74.3	0.4			G1/100
BL (0°-30°)	694.2	3.8	B2/1000		
BM (30°-60°)	1626.8	9.0	B2/2500		
BH (60°-80°)	938.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3
2.5°	3177.5	3195.8	3185.3	3180.1	3171.0	3157.9	3147.4	3114.8	3080.8	3058.6
5°	3241.5	3259.8	3258.5	3263.7	3270.3	3274.2	3271.6	3235.0	3186.6	3148.8
7.5°	3186.6	3207.6	3224.5	3250.7	3296.4	3344.7	3368.3	3360.4	3310.8	3258.5
10°	3031.2	3053.4	3093.9	3155.3	3252.0	3356.5	3444.0	3484.5	3453.2	3395.7
12.5°	2746.3	2768.6	2848.3	2981.5	3143.5	3325.1	3492.4	3600.8	3608.7	3551.2
15°	2426.2	2448.5	2533.4	2700.6	2947.5	3238.9	3518.5	3723.6	3792.9	3743.2
17.5°	2227.6	2247.2	2311.3	2445.8	2703.2	3066.4	3509.4	3854.3	4012.4	3973.2
20°	2167.5	2184.5	2214.6	2308.7	2522.9	2887.4	3449.3	3977.1	4248.9	4226.7
22.5°	2231.6	2247.2	2256.4	2298.2	2432.8	2769.9	3373.5	4102.5	4523.2	4525.8
25°	2379.2	2394.9	2384.4	2410.6	2469.4	2733.3	3344.7	4250.2	4868.2	4896.9
27.5°	2622.2	2623.5	2598.7	2597.4	2606.5	2788.2	3374.8	4408.3	5303.2	5356.8
30°	3109.6	3090.0	2994.6	2891.4	2844.3	2952.8	3458.4	4595.1	5816.7	5912.1
32.5°	3860.8	3832.1	3657.0	3410.1	3161.8	3218.0	3608.7	4808.1	6375.9	6548.4
35°	4676.1	4668.3	4485.3	4118.2	3684.4	3595.6	3853.0	5087.7	6986.1	7260.4
37.5°	5433.9	5430.0	5325.4	4893.0	4365.1	4122.1	4244.9	5453.5	7639.3	8036.5
40°	6126.4	6138.1	6033.6	5646.9	5115.1	4797.6	4778.0	5905.6	8365.8	8881.8
42.5°	6724.8	6737.8	6632.0	6345.9	5855.9	5544.9	5432.6	6459.5	9075.2	9789.9
45°	7131.1	7212.1	7196.4	6967.8	6616.3	6293.6	6219.1	7154.6	9884.0	10752.8
47.5°	7246.1	7320.5	7438.1	7469.5	7255.2	6937.7	7026.6	7992.1	10701.9	11717.0
50°	6962.5	7031.8	7276.1	7601.4	7750.4	7652.4	7811.8	8889.7	11539.3	12678.6
52.5°	6403.3	6473.9	6782.2	7297.0	7904.6	8212.9	8599.6	9774.2	12350.7	13589.3
55°	5594.6	5669.1	6064.9	6647.7	7610.6	8444.2	9256.8	10657.4	13094.1	14408.5
57.5°	4494.5	4549.4	4960.9	5776.2	6871.1	8214.2	9741.5	11621.7	13794.4	15213.3
60°	2929.3	2977.6	3455.8	4365.1	5645.6	7446.0	9838.2	12696.9	14724.7	16259.9
62.5°	1948.0	1980.7	2264.2	2931.9	3975.8	5970.9	9272.5	13555.3	16088.7	18081.2
65°	1336.6	1369.3	1652.8	2117.9	2568.7	3949.7	7645.9	13441.7	17324.7	19527.5
67.5°	953.8	981.2	1221.6	1660.6	1859.2	2294.3	5183.0	11988.8	17147.0	19582.4
70°	683.3	699.0	897.6	1293.5	1477.7	1378.4	2882.2	9169.3	15013.4	18082.5
72.5°	478.2	483.4	623.2	985.1	1190.3	1006.0	1371.9	6113.3	11355.1	14192.9
75°	324.0	330.6	419.4	722.5	955.1	768.2	726.4	3278.1	6666.0	7856.2
77.5°	198.6	201.2	270.5	493.9	714.7	585.3	467.7	1388.8	2579.1	2532.1
80°	112.4	112.4	172.5	307.0	487.3	377.6	327.9	590.6	816.6	717.3
82.5°	62.7	64.0	125.4	190.8	322.7	223.4	180.3	273.1	352.8	312.3
85°	26.1	28.7	77.1	90.2	154.2	111.1	73.2	115.0	130.7	116.3
87.5°	2.6	3.9	23.5	17.0	18.3	22.2	10.5	22.2	18.3	18.3
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°
3006.3	0°	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3	3006.3
3050.8	2.5°	3025.9	3006.3	2956.7	2899.2	2823.4	2786.8	2737.2	2703.2	2674.5	2677.1
3126.5	5°	3084.7	3035.1	2924.0	2785.5	2613.1	2490.3	2359.6	2269.5	2196.3	2180.6
3231.1	7.5°	3165.7	3087.3	2892.7	2643.1	2351.8	2131.0	1933.7	1806.9	1716.8	1688.0
3357.8	10°	3270.3	3156.6	2852.2	2464.1	2044.7	1763.8	1552.2	1452.9	1391.5	1370.6
3506.7	12.5°	3391.8	3236.3	2798.6	2245.9	1728.5	1458.1	1323.5	1273.9	1254.3	1247.7
3689.7	15°	3544.6	3335.6	2717.6	1987.2	1460.7	1271.3	1213.8	1207.2	1209.9	1207.2
3909.2	17.5°	3726.2	3444.0	2585.6	1720.7	1280.4	1175.9	1155.0	1160.2	1166.7	1165.4
4154.8	20°	3924.8	3551.2	2417.1	1484.2	1157.6	1107.9	1096.2	1101.4	1106.6	1104.0
4438.3	22.5°	4150.9	3666.1	2230.3	1300.0	1075.3	1045.2	1032.2	1033.5	1033.5	1028.2
4797.6	25°	4421.3	3792.9	2034.3	1169.4	1012.6	989.0	973.4	968.1	960.3	944.6
5234.0	27.5°	4744.0	3927.5	1846.1	1077.9	962.9	940.7	922.4	909.4	889.8	863.6
5757.9	30°	5107.3	4090.8	1686.7	1020.4	923.7	901.5	880.6	861.0	832.3	799.6
6360.2	32.5°	5534.5	4265.8	1570.5	982.5	888.4	864.9	840.1	816.6	785.2	752.6
7037.0	35°	6044.0	4477.5	1502.5	956.4	861.0	829.7	802.2	776.1	752.6	723.8
7772.6	37.5°	6596.7	4702.2	1481.6	943.3	842.7	794.4	763.0	744.7	742.1	725.1
8568.3	40°	7201.6	4968.8	1497.3	935.5	823.1	760.4	726.4	722.5	729.0	699.0
9418.8	42.5°	7841.8	5284.9	1523.4	926.3	795.7	726.4	693.8	693.8	688.5	646.7
10317.7	45°	8534.3	5649.5	1549.6	904.1	763.0	692.5	667.6	658.5	636.3	595.8
11221.9	47.5°	9232.0	6020.5	1569.2	863.6	723.8	663.7	641.5	620.6	587.9	551.4
12109.0	50°	9894.4	6353.7	1548.2	803.5	679.4	636.3	612.8	584.0	548.7	523.9
12949.1	52.5°	10486.3	6642.4	1459.4	733.0	632.4	607.5	586.6	556.6	527.8	501.7
13706.9	55°	11001.0	6876.3	1302.6	666.3	590.6	582.7	561.8	523.9	484.7	462.5
14458.1	57.5°	11494.9	7054.0	1106.6	611.5	552.7	555.3	523.9	490.0	453.4	429.9
15470.7	60°	12152.1	7291.8	908.0	560.5	512.2	520.0	486.0	461.2	415.5	385.4
17207.1	62.5°	13202.6	7661.5	721.2	497.8	465.1	467.7	453.4	423.3	368.4	333.2
18494.0	65°	14036.1	7525.7	568.3	429.9	411.6	415.5	415.5	382.8	324.0	283.5
18563.3	67.5°	13942.1	6443.8	453.4	363.2	360.6	363.2	372.4	344.9	287.4	254.8
17149.6	70°	12843.3	5125.5	363.2	301.8	313.6	307.0	333.2	314.9	258.7	226.0
13295.3	72.5°	10479.7	3692.3	277.0	249.5	240.4	250.9	300.5	283.5	215.6	179.0
7042.2	75°	6123.7	1970.3	206.4	197.3	173.8	209.0	266.5	241.7	164.6	132.0
2158.4	77.5°	1993.8	687.2	151.6	145.0	129.3	168.5	227.3	203.8	134.6	104.5
632.4	80°	534.4	207.7	103.2	95.4	83.6	125.4	180.3	162.0	96.7	67.9
271.8	82.5°	214.3	87.5	60.1	53.6	45.7	86.2	142.4	130.7	71.9	43.1
84.9	85°	69.2	28.7	22.2	17.0	20.9	53.6	84.9	88.8	51.0	22.2
13.1	87.5°	9.1	3.9	3.9	5.2	3.9	9.1	26.1	24.8	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°
3006.3
2651.0
2145.3
1659.3
1354.9
1243.8
1205.9
1162.8
1102.7
1025.6
942.0
861.0
797.0
753.9
721.2
723.8
700.3
646.7
594.5
550.1
520.0
499.1
459.9
427.2
381.5
330.6
279.6
249.5
222.1
175.1
128.0
100.6
66.6
43.1
17.0
0.0
0.0

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