

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: P852898

Luminaire Tested: **GLAN-SB7B-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23710 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

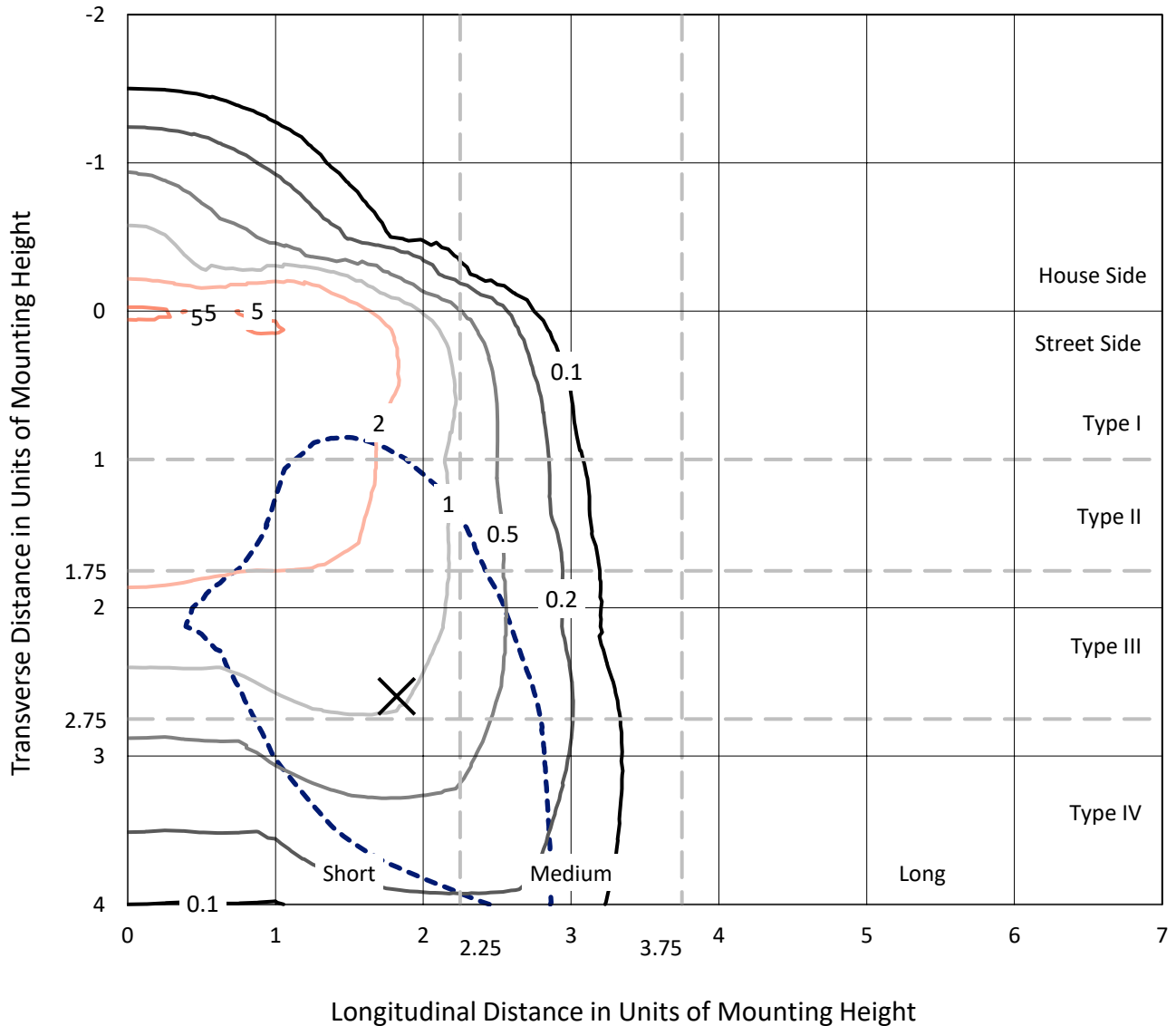
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

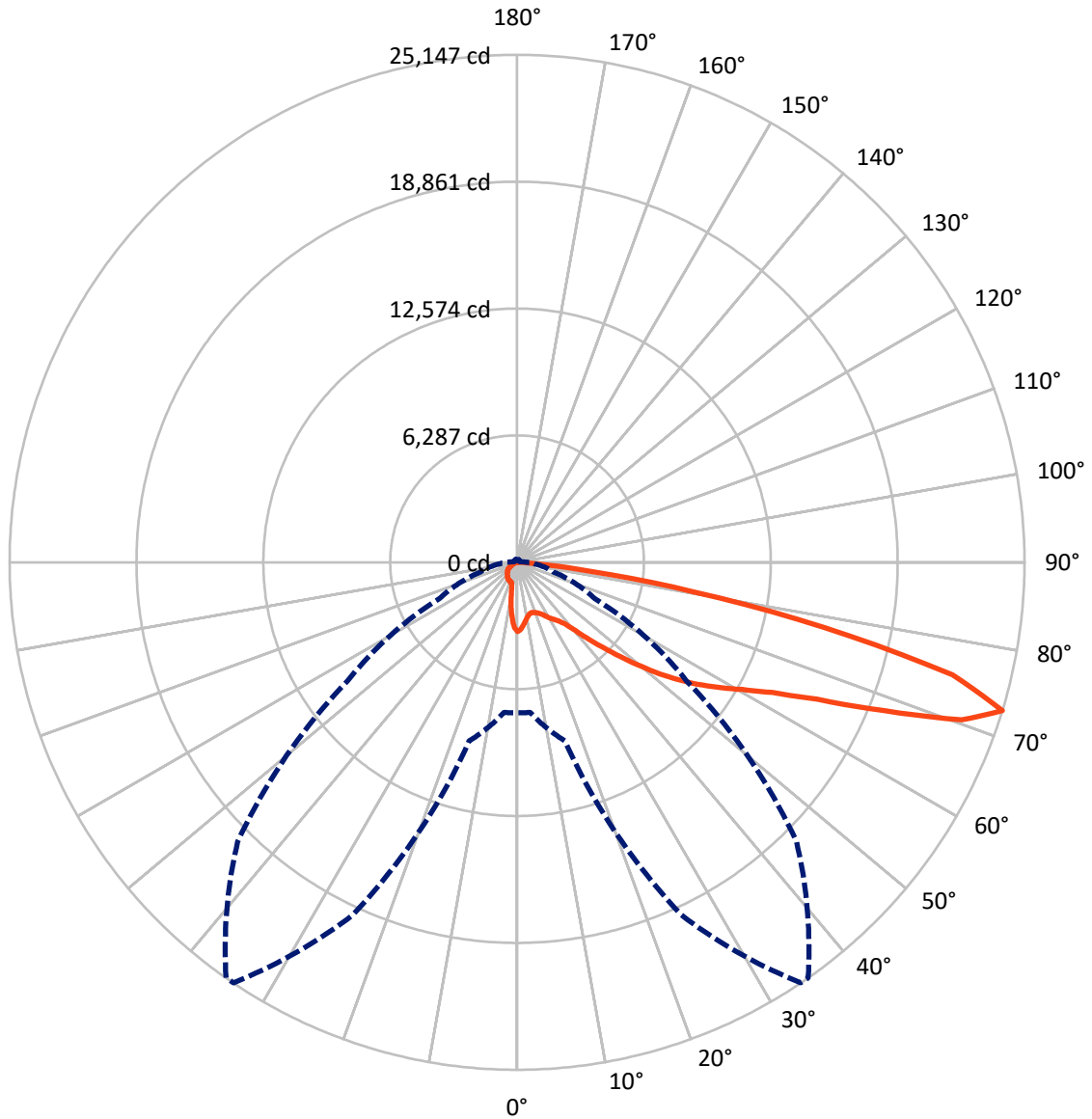
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2668.4	0.0	2668.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21041.6	0.0	21041.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	23710.0	0.0	23710.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	1.2
10°-20°	660.6	2.8
20°-30°	1073.1	4.5
30°-40°	1790.5	7.6
40°-50°	3387.6	14.3
50°-60°	5382.9	22.7
60°-70°	6659.1	28.1
70°-80°	4139.3	17.5
80°-90°	334.5	1.4
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°	23710.0	100.0
0°-180°	23710.0	100.0

Coefficient of Utilization

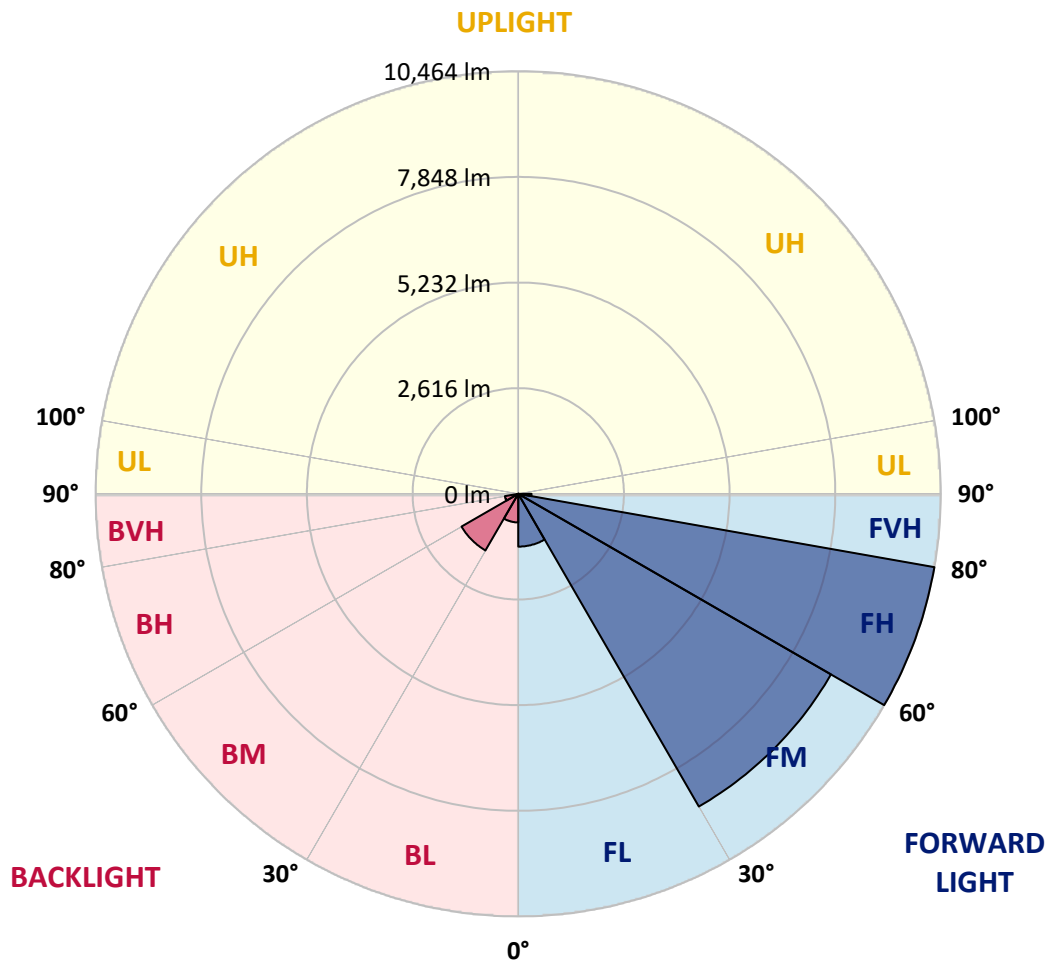


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1307.0	5.5			
FM	(30°-60°)	8941.0	37.7			
FH	(60°-80°)	10463.5	44.1			G4/12000
FVH	(80°-90°)	330.0	1.4			G3/500
BL	(0°-30°)	709.1	3.0	B2/1000		
BM	(30°-60°)	1620.0	6.8	B2/2500		
BH	(60°-80°)	334.8	1.4	B1/500		G1/500
BVH	(80°-90°)	4.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4
2.5°	3283.5	3311.3	3316.5	3325.2	3325.2	3335.6	3353.0	3377.3	3417.3	3438.1
5°	3026.4	3047.2	3073.3	3094.1	3134.1	3139.3	3207.1	3273.1	3365.1	3434.6
7.5°	2767.5	2791.8	2826.6	2877.0	2929.1	2944.7	3047.2	3158.4	3304.3	3434.6
10°	2585.1	2586.8	2618.1	2668.5	2751.9	2771.0	2896.1	3054.2	3236.6	3413.8
12.5°	2482.6	2494.8	2508.7	2546.9	2626.8	2639.0	2772.7	2958.6	3168.8	3401.6
15°	2482.6	2491.3	2500.0	2519.1	2583.4	2593.8	2711.9	2897.8	3134.1	3406.8
17.5°	2508.7	2522.6	2515.6	2538.2	2605.9	2612.9	2717.1	2880.4	3132.3	3439.8
20°	2571.2	2581.6	2567.7	2581.6	2649.4	2663.3	2771.0	2913.4	3161.9	3497.2
22.5°	2670.2	2675.4	2642.4	2652.9	2722.3	2739.7	2864.8	3007.3	3233.1	3589.3
25°	2795.3	2805.7	2755.4	2767.5	2833.5	2854.4	2998.6	3148.0	3346.0	3716.1
27.5°	2939.5	2944.7	2901.3	2899.5	2984.7	3014.2	3160.1	3321.7	3497.2	3875.9
30°	3104.6	3120.2	3078.5	3071.5	3179.3	3203.6	3347.8	3535.4	3719.6	4115.7
32.5°	3234.8	3247.0	3222.7	3240.1	3349.5	3368.6	3575.4	3837.7	4068.8	4456.2
35°	3422.5	3429.4	3373.8	3405.1	3530.2	3578.8	3886.3	4261.6	4508.3	4883.5
37.5°	4101.8	4101.8	3865.5	3710.9	3830.7	3874.2	4312.0	4794.9	5050.3	5456.9
40°	5041.6	5026.0	4680.3	4364.1	4348.5	4433.6	4918.3	5467.3	5750.5	6144.8
42.5°	6044.1	6019.7	5548.9	5236.2	5184.1	5213.6	5618.4	6296.0	6584.4	6983.9
45°	6933.6	6926.6	6495.8	6075.3	5981.5	6075.3	6492.3	7265.4	7472.1	7892.5
47.5°	7678.9	7678.9	7364.4	7089.9	7041.3	7096.9	7675.4	8340.8	8321.7	8860.2
50°	8537.1	8530.1	8231.3	8113.2	8163.6	8241.7	9037.4	9473.5	9200.7	9810.5
52.5°	9138.2	9179.9	9077.4	9058.3	9315.4	9450.9	10420.3	10581.9	9987.7	10712.2
55°	9614.2	9662.8	9781.0	9914.8	10409.9	10587.1	11759.8	11632.9	10646.2	11494.0
57.5°	10288.3	10218.8	10401.2	10665.3	11466.2	11679.8	13057.5	12624.9	11176.0	12128.1
60°	11106.5	11117.0	11148.2	11481.8	12520.7	12795.2	14336.2	13563.1	11516.5	12517.2
62.5°	12089.9	12105.5	12169.8	12682.3	13936.6	14195.5	15698.2	14331.0	11672.9	12407.8
65°	12022.1	12088.1	12805.6	14558.6	16089.1	16344.5	17287.8	14869.5	11436.6	11407.1
67.5°	10951.9	11059.6	12260.1	16799.7	19334.4	19619.3	19209.3	14975.5	10416.8	8870.6
70°	9548.2	9586.4	11030.1	18814.9	23092.2	23380.5	20929.2	13809.8	7904.7	4947.8
72.5°	7456.5	7465.2	9159.0	19282.3	25131.7	25147.4	19579.3	10251.8	4251.2	1900.6
75°	5326.6	5274.4	6134.4	15637.4	22110.6	22287.8	14678.4	4808.8	1624.4	898.2
77.5°	2856.1	2913.4	3471.1	9273.7	15274.3	15576.6	8008.9	1386.4	827.0	611.5
80°	882.5	931.2	1422.8	4246.0	8651.7	8834.2	2969.0	616.7	576.8	436.1
82.5°	278.0	288.4	663.6	1784.2	3591.0	3674.4	860.0	349.2	394.4	288.4
85°	79.9	81.7	295.3	665.4	887.8	905.1	241.5	135.5	225.8	178.9
87.5°	8.7	27.8	111.2	111.2	78.2	76.4	26.1	29.5	64.3	22.6
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°
3436.4	0°	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4	3436.4
3452.0	2.5°	3443.3	3445.1	3422.5	3384.3	3342.6	3307.8	3264.4	3229.6	3205.3	3198.4
3483.3	5°	3467.6	3455.5	3391.2	3274.8	3135.8	3015.9	2882.2	2776.2	2706.7	2677.2
3516.3	7.5°	3504.1	3469.4	3328.7	3099.3	2833.5	2597.3	2357.5	2171.6	2053.5	1994.4
3547.6	10°	3535.4	3465.9	3224.4	2845.7	2439.2	2081.3	1758.1	1534.0	1408.9	1349.9
3584.0	12.5°	3564.9	3464.2	3088.9	2545.1	1994.4	1556.6	1256.1	1144.9	1110.1	1098.0
3643.1	15°	3620.5	3469.4	2918.7	2201.2	1551.4	1176.2	1066.7	1065.0	1071.9	1068.4
3733.5	17.5°	3697.0	3474.6	2725.8	1836.3	1197.0	1037.2	1032.0	1047.6	1058.0	1052.8
3846.4	20°	3796.0	3495.4	2520.8	1475.0	1028.5	1002.4	1014.6	1028.5	1037.2	1028.5
3997.5	22.5°	3935.0	3531.9	2296.7	1184.8	974.6	981.6	992.0	1007.6	1016.3	1004.2
4190.4	25°	4105.2	3589.3	2076.1	1030.2	948.6	957.3	972.9	990.3	1000.7	988.5
4433.6	27.5°	4325.9	3681.3	1872.8	995.5	922.5	927.7	950.3	976.4	990.3	974.6
4779.3	30°	4645.5	3832.5	1697.3	1011.1	906.9	894.7	926.0	962.5	978.1	964.2
5250.1	32.5°	5069.4	4046.2	1589.6	1035.4	899.9	856.5	886.0	932.9	959.0	950.3
5865.1	35°	5625.4	4371.0	1547.9	1063.2	894.7	816.5	837.4	887.8	932.9	941.6
6640.0	37.5°	6299.4	4822.7	1560.1	1075.4	879.1	783.5	793.9	837.4	896.4	924.2
7512.1	40°	7065.6	5349.1	1629.6	1063.2	861.7	755.7	757.5	790.5	842.6	884.3
8450.2	42.5°	7856.1	5964.1	1758.1	1018.1	846.1	731.4	726.2	748.8	783.5	813.1
9386.6	45°	8608.3	6596.5	1885.0	955.5	827.0	707.1	694.9	703.6	710.6	722.7
10298.7	47.5°	9265.0	7041.3	1848.5	898.2	800.9	679.3	658.4	655.0	634.1	632.4
11113.5	50°	9718.4	7138.6	1641.7	840.9	762.7	648.0	615.0	594.2	557.7	540.3
11723.3	52.5°	9862.6	6754.6	1341.2	783.5	700.1	606.3	559.4	526.4	481.2	465.6
12074.2	55°	9671.5	6002.4	1071.9	714.0	613.3	550.7	498.6	455.2	418.7	399.6
12112.4	57.5°	9204.2	5045.1	847.8	632.4	521.2	488.2	436.1	392.6	361.4	342.2
11688.5	60°	8429.4	4006.2	670.6	535.1	444.7	420.4	366.6	338.8	311.0	288.4
10594.0	62.5°	7253.2	2859.6	526.4	423.9	371.8	344.0	312.7	291.9	258.9	227.6
8625.7	65°	5660.1	1749.5	406.5	311.0	298.8	284.9	265.8	246.7	206.7	175.5
5627.1	67.5°	3570.1	828.7	290.1	234.5	236.3	229.3	220.6	205.0	175.5	147.7
2520.8	70°	1572.3	401.3	191.1	178.9	175.5	175.5	182.4	177.2	149.4	123.3
875.6	72.5°	535.1	215.4	142.5	135.5	126.8	125.1	152.9	147.7	119.9	95.6
436.1	75°	279.7	144.2	104.2	97.3	76.4	92.1	121.6	114.7	85.1	62.5
288.4	77.5°	182.4	102.5	71.2	62.5	43.4	60.8	90.3	79.9	50.4	31.3
189.4	80°	114.7	67.8	41.7	29.5	20.8	33.0	48.6	34.7	19.1	6.9
111.2	82.5°	60.8	34.7	15.6	10.4	8.7	10.4	12.2	8.7	3.5	0.0
57.3	85°	24.3	12.2	5.2	3.5	1.7	0.0	3.5	1.7	0.0	0.0
10.4	87.5°	8.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3436.4
3210.5
2687.6
2003.1
1351.6
1094.5
1066.7
1051.1
1026.7
1002.4
986.8
974.6
962.5
950.3
941.6
931.2
898.2
825.2
729.7
630.6
542.0
463.9
399.6
338.8
283.2
222.4
170.3
144.2
118.1
90.3
57.3
27.8
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