

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: P853060

Luminaire Tested: **GLAN-SB8B-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853060
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-SB8B-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 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: 23259 lumens
Efficiency: N/A
Efficacy: 79.4 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

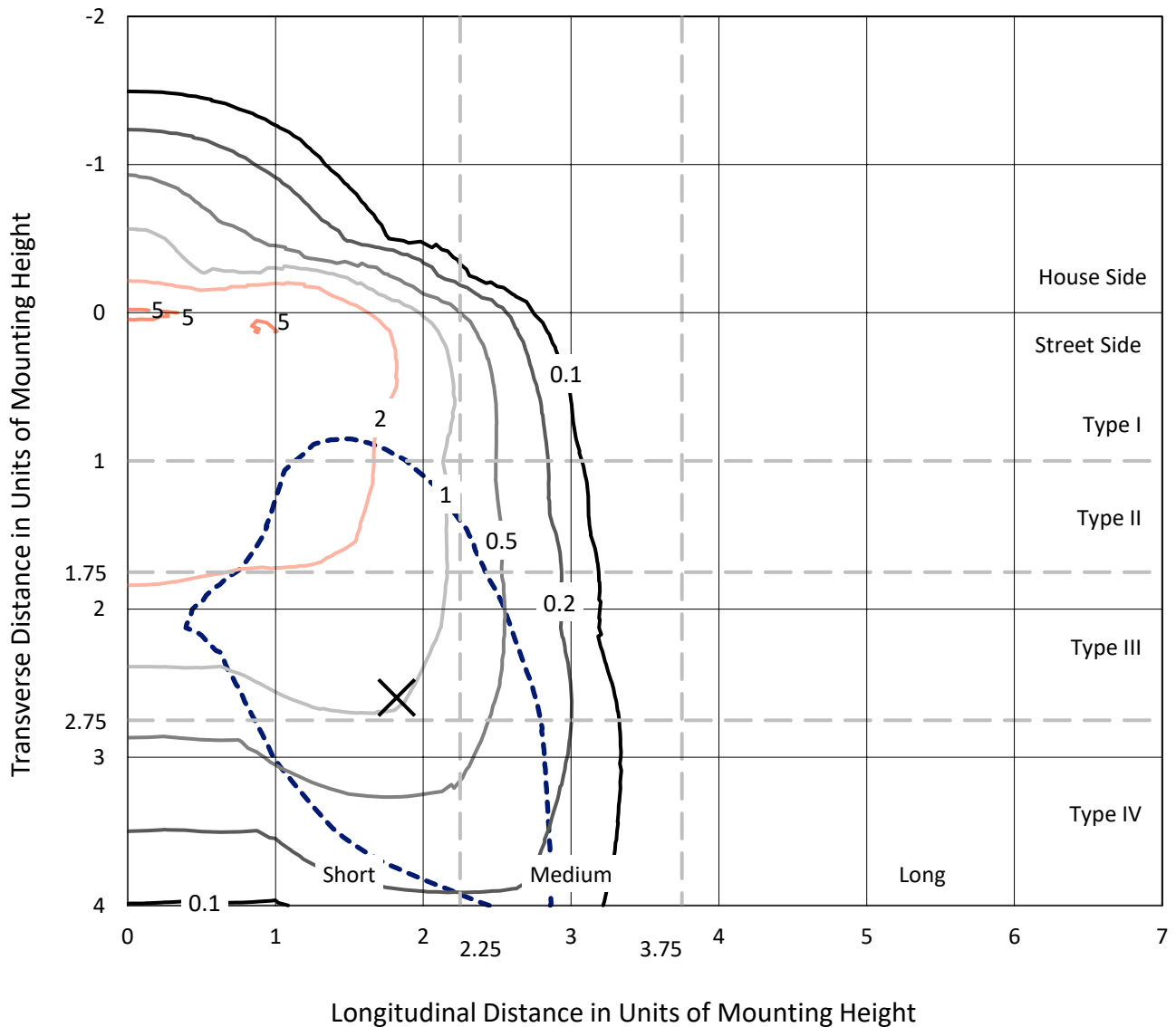
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

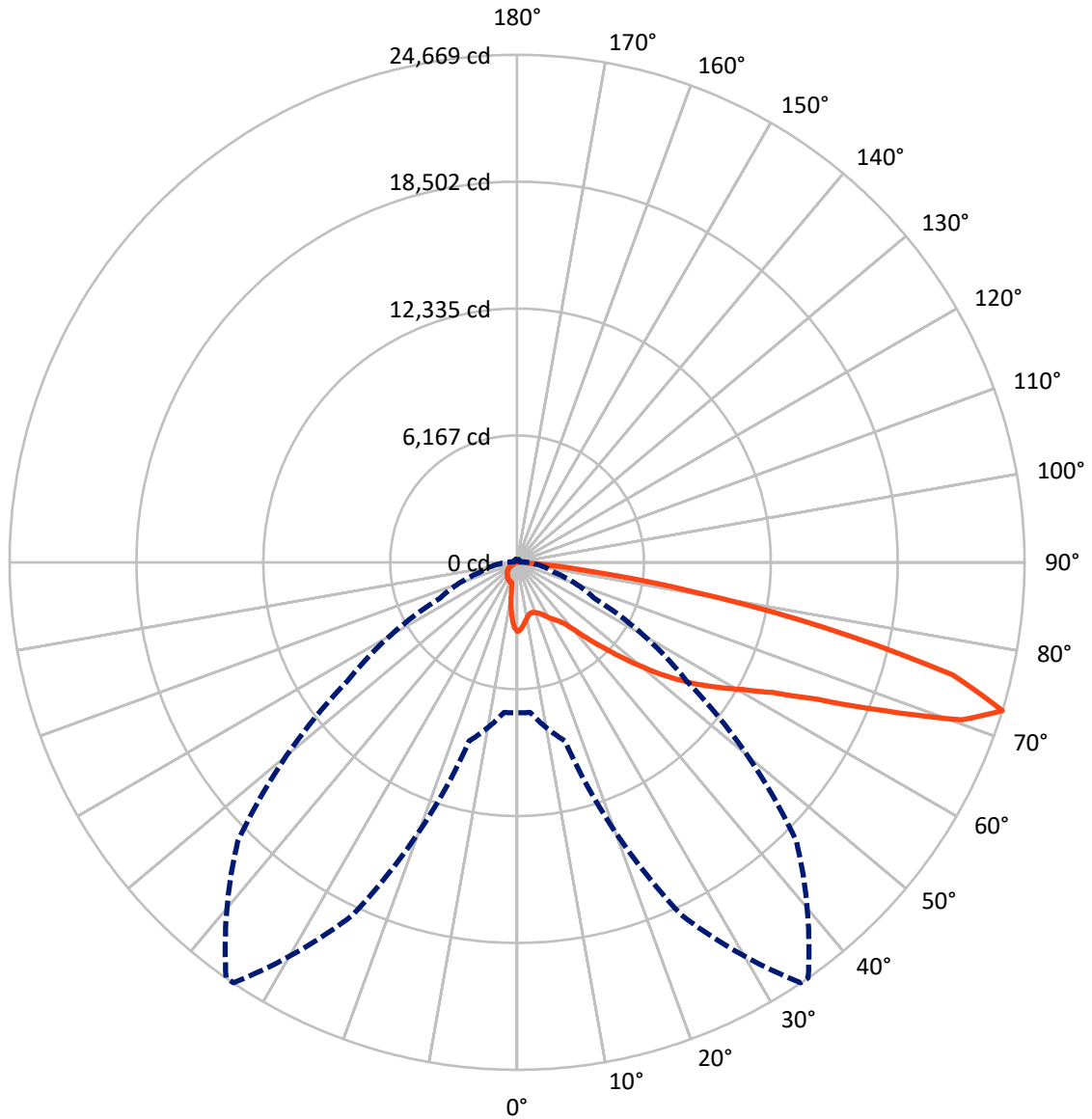
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	2617.7	0.0	2617.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	20641.3	0.0	20641.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	23259.0	0.0	23259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	1.2
10°-20°	648.0	2.8
20°-30°	1052.7	4.5
30°-40°	1756.4	7.6
40°-50°	3323.2	14.3
50°-60°	5280.5	22.7
60°-70°	6532.4	28.1
70°-80°	4060.6	17.5
80°-90°	328.2	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°	23259.0	100.0
0°-180°	23259.0	100.0

Coefficient of Utilization



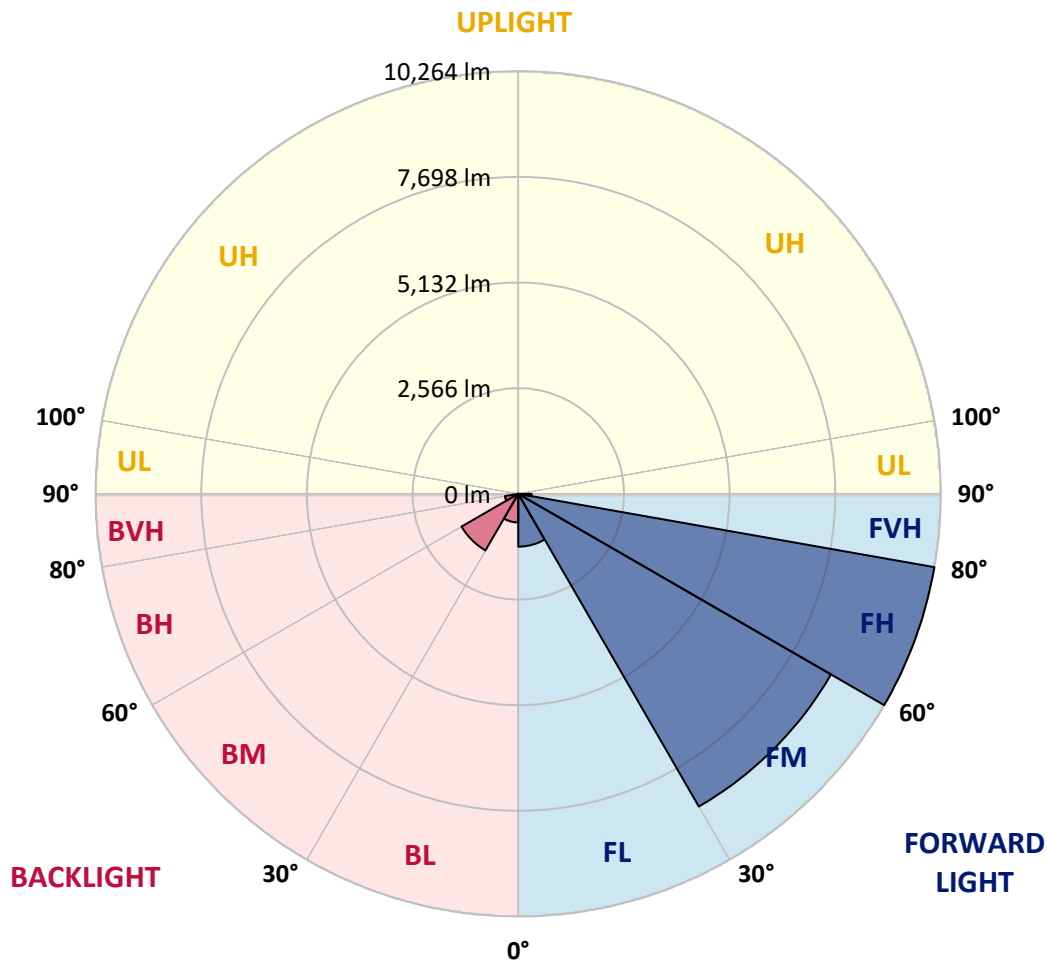
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1282.2	5.5			
FM (30°-60°)	8771.0	37.7			
FH (60°-80°)	10264.5	44.1			G4/12000
FVH (80°-90°)	323.7	1.4			G3/500
BL (0°-30°)	695.6	3.0	B2/1000		
BM (30°-60°)	1589.2	6.8	B2/2500		
BH (60°-80°)	328.5	1.4	B1/500		G1/500
BVH (80°-90°)	4.5	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°	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0
2.5°	3221.0	3248.3	3253.4	3261.9	3261.9	3272.2	3289.2	3313.1	3352.3	3372.7
5°	2968.8	2989.3	3014.8	3035.3	3074.5	3079.6	3146.0	3210.8	3301.1	3369.3
7.5°	2714.9	2738.7	2772.8	2822.2	2873.4	2888.7	2989.3	3098.3	3241.5	3369.3
10°	2535.9	2537.6	2568.3	2617.7	2699.5	2718.3	2841.0	2996.1	3175.0	3348.9
12.5°	2435.4	2447.3	2460.9	2498.4	2576.8	2588.8	2720.0	2902.3	3108.6	3336.9
15°	2435.4	2443.9	2452.4	2471.2	2534.2	2544.4	2660.3	2842.7	3074.5	3342.0
17.5°	2460.9	2474.6	2467.8	2489.9	2556.4	2563.2	2665.4	2825.6	3072.8	3374.4
20°	2522.3	2532.5	2518.9	2532.5	2599.0	2612.6	2718.3	2858.0	3101.7	3430.7
22.5°	2619.4	2624.5	2592.2	2602.4	2670.6	2687.6	2810.3	2950.1	3171.6	3521.0
25°	2742.1	2752.4	2702.9	2714.9	2779.6	2800.1	2941.5	3088.1	3282.4	3645.4
27.5°	2883.6	2888.7	2846.1	2844.4	2927.9	2956.9	3100.0	3258.5	3430.7	3802.2
30°	3045.5	3060.8	3019.9	3013.1	3118.8	3142.6	3284.1	3468.2	3648.8	4037.4
32.5°	3173.3	3185.2	3161.4	3178.4	3285.8	3304.5	3507.3	3764.7	3991.4	4371.4
35°	3357.4	3364.2	3309.7	3340.3	3463.0	3510.8	3812.4	4180.5	4422.5	4790.7
37.5°	4023.7	4023.7	3792.0	3640.3	3757.9	3800.5	4230.0	4703.7	4954.3	5353.1
40°	4945.7	4930.4	4591.3	4281.1	4265.7	4349.2	4824.7	5363.3	5641.1	6027.9
42.5°	5929.1	5905.2	5443.4	5136.6	5085.5	5114.5	5511.5	6176.2	6459.1	6851.1
45°	6801.7	6794.8	6372.2	5959.8	5867.7	5959.8	6368.8	7127.2	7330.0	7742.4
47.5°	7532.8	7532.8	7224.3	6955.0	6907.3	6961.9	7529.4	8182.1	8163.4	8691.7
50°	8374.7	8367.9	8074.7	7958.9	8008.3	8085.0	8865.5	9293.3	9025.7	9623.9
52.5°	8964.4	9005.3	8904.7	8886.0	9138.2	9271.1	10222.1	10380.6	9797.7	10508.4
55°	9431.3	9479.0	9594.9	9726.2	10211.9	10385.7	11536.1	11411.7	10443.7	11275.3
57.5°	10092.6	10024.4	10203.4	10462.4	11248.1	11457.7	12809.2	12384.8	10963.4	11897.4
60°	10895.3	10905.5	10936.2	11263.4	12282.5	12551.8	14063.5	13305.1	11297.5	12279.1
62.5°	11859.9	11875.2	11938.3	12441.0	13671.5	13925.4	15399.6	14058.4	11450.9	12171.8
65°	11793.4	11858.2	12562.0	14281.6	15783.1	16033.6	16959.0	14586.7	11219.1	11190.1
67.5°	10743.6	10849.3	12026.9	16480.1	18966.6	19246.1	18843.9	14690.6	10218.7	8701.9
70°	9366.6	9404.1	10820.3	18457.0	22652.9	22935.8	20531.1	13547.1	7754.3	4853.7
72.5°	7314.6	7323.2	8984.8	18915.5	24653.7	24669.0	19206.9	10056.8	4170.3	1864.5
75°	5225.2	5174.1	6017.7	15340.0	21690.0	21863.8	14399.2	4717.4	1593.5	881.1
77.5°	2801.8	2858.0	3405.1	9097.3	14983.8	15280.3	7856.6	1360.0	811.2	599.9
80°	865.8	913.5	1395.8	4165.2	8487.2	8666.1	2912.6	605.0	565.8	427.8
82.5°	272.7	282.9	651.0	1750.3	3522.7	3604.5	843.6	342.6	386.9	282.9
85°	78.4	80.1	289.7	652.7	870.9	887.9	236.9	132.9	221.6	175.5
87.5°	8.5	27.3	109.1	109.1	76.7	75.0	25.6	29.0	63.1	22.2
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°
3371.0	0°	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0
3386.3	2.5°	3377.8	3379.5	3357.4	3319.9	3279.0	3244.9	3202.3	3168.2	3144.3	3137.5
3417.0	5°	3401.7	3389.8	3326.7	3212.5	3076.2	2958.6	2827.4	2723.4	2655.2	2626.3
3449.4	7.5°	3437.5	3403.4	3265.3	3040.4	2779.6	2547.9	2312.7	2130.3	2014.4	1956.5
3480.1	10°	3468.2	3400.0	3163.1	2791.6	2392.8	2041.7	1724.7	1504.9	1382.1	1324.2
3515.9	12.5°	3497.1	3398.3	3030.2	2496.7	1956.5	1527.0	1232.2	1123.1	1089.0	1077.1
3573.8	15°	3551.7	3403.4	2863.1	2159.3	1521.9	1153.8	1046.4	1044.7	1051.5	1048.1
3662.4	17.5°	3626.6	3408.5	2674.0	1801.4	1174.2	1017.4	1012.3	1027.7	1037.9	1032.8
3773.2	20°	3723.8	3429.0	2472.9	1446.9	1008.9	983.4	995.3	1008.9	1017.4	1008.9
3921.5	22.5°	3860.1	3464.7	2253.0	1162.3	956.1	962.9	973.1	988.5	997.0	985.1
4110.7	25°	4027.1	3521.0	2036.6	1010.6	930.5	939.0	954.4	971.4	981.6	969.7
4349.2	27.5°	4243.6	3611.3	1837.2	976.5	905.0	910.1	932.2	957.8	971.4	956.1
4688.4	30°	4557.2	3759.6	1665.1	991.9	889.6	877.7	908.4	944.2	959.5	945.9
5150.2	32.5°	4973.0	3969.2	1559.4	1015.7	882.8	840.2	869.2	915.2	940.7	932.2
5753.6	35°	5518.4	4287.9	1518.5	1043.0	877.7	801.0	821.4	870.9	915.2	923.7
6513.6	37.5°	6179.6	4731.0	1530.4	1054.9	862.4	768.6	778.8	821.4	879.4	906.7
7369.2	40°	6931.2	5247.4	1598.6	1043.0	845.3	741.3	743.1	775.4	826.6	867.5
8289.5	42.5°	7706.6	5850.7	1724.7	998.7	830.0	717.5	712.4	734.5	768.6	797.6
9208.1	45°	8444.6	6471.0	1849.1	937.3	811.2	693.6	681.7	690.2	697.0	709.0
10102.8	47.5°	9088.8	6907.3	1813.3	881.1	785.7	666.4	645.9	642.5	622.1	620.3
10902.1	50°	9533.6	7002.8	1610.5	824.9	748.2	635.7	603.3	582.9	547.1	530.0
11500.3	52.5°	9675.0	6626.1	1315.7	768.6	686.8	594.8	548.8	516.4	472.1	456.7
11844.5	55°	9487.6	5888.2	1051.5	700.4	601.6	540.2	489.1	446.5	410.7	392.0
11882.0	57.5°	9029.1	4949.1	831.7	620.3	511.3	478.9	427.8	385.2	354.5	335.7
11466.2	60°	8269.0	3930.0	657.8	524.9	436.3	412.4	359.6	332.3	305.1	282.9
10392.5	62.5°	7115.2	2805.2	516.4	415.8	364.7	337.4	306.8	286.3	253.9	223.3
8461.6	65°	5552.5	1716.2	398.8	305.1	293.1	279.5	260.8	242.0	202.8	172.1
5520.1	67.5°	3502.2	812.9	284.6	230.1	231.8	225.0	216.4	201.1	172.1	144.9
2472.9	70°	1542.3	393.7	187.5	175.5	172.1	172.1	178.9	173.8	146.6	121.0
858.9	72.5°	524.9	211.3	139.7	132.9	124.4	122.7	150.0	144.9	117.6	93.7
427.8	75°	274.4	141.5	102.3	95.4	75.0	90.3	119.3	112.5	83.5	61.4
282.9	77.5°	178.9	100.6	69.9	61.4	42.6	59.6	88.6	78.4	49.4	30.7
185.8	80°	112.5	66.5	40.9	29.0	20.5	32.4	47.7	34.1	18.7	6.8
109.1	82.5°	59.6	34.1	15.3	10.2	8.5	10.2	11.9	8.5	3.4	0.0
56.2	85°	23.9	11.9	5.1	3.4	1.7	0.0	3.4	1.7	0.0	0.0
10.2	87.5°	8.5	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°
3371.0
3149.5
2636.5
1965.0
1325.9
1073.7
1046.4
1031.1
1007.2
983.4
968.0
956.1
944.2
932.2
923.7
913.5
881.1
809.5
715.8
618.6
531.7
455.0
392.0
332.3
277.8
218.1
167.0
141.5
115.9
88.6
56.2
27.3
5.1
0.0
0.0
0.0
0.0

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