

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: P852718

Luminaire Tested: **GLAN-SB5D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852718  
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-SB5D-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA 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: 25064 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

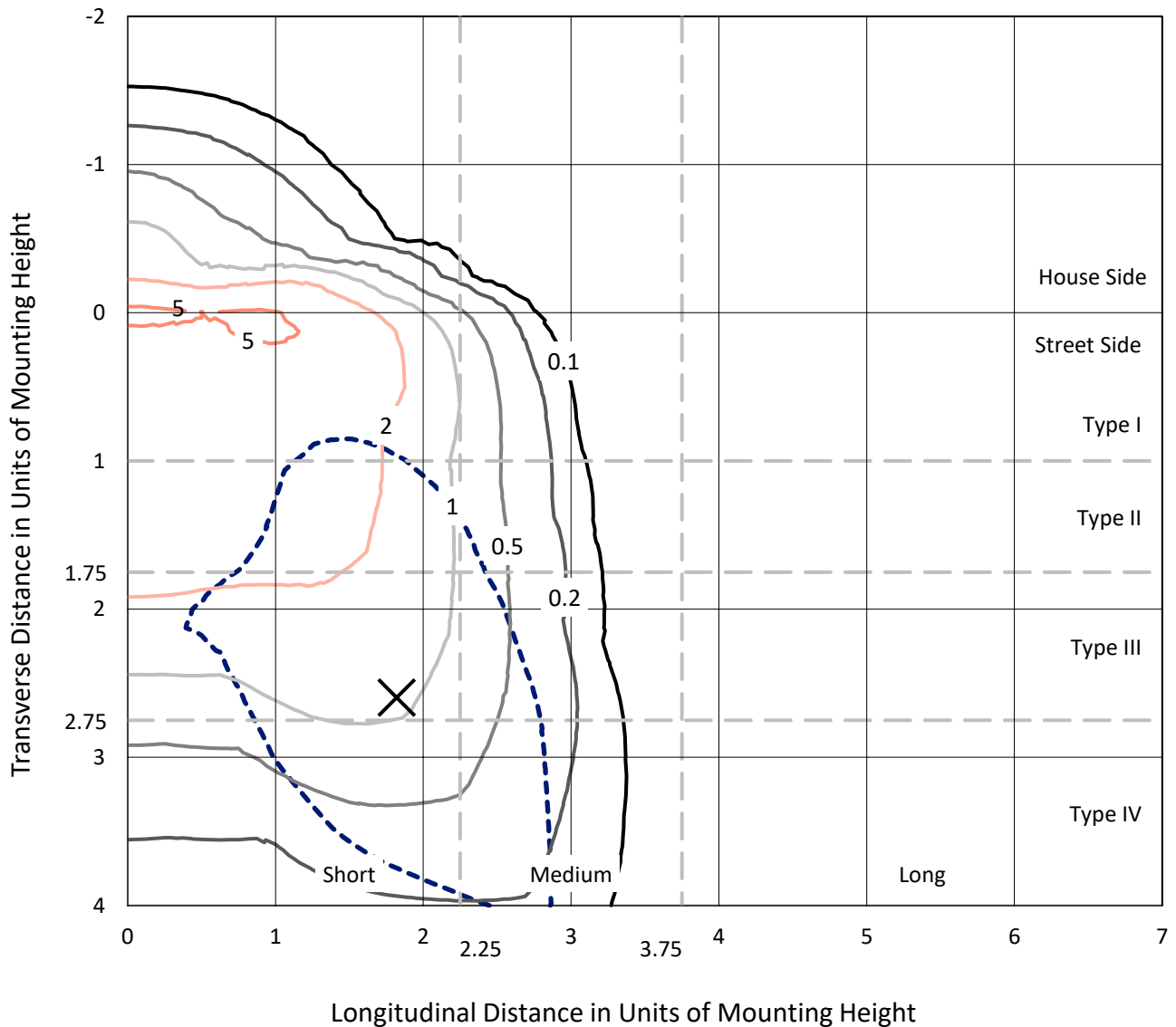
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

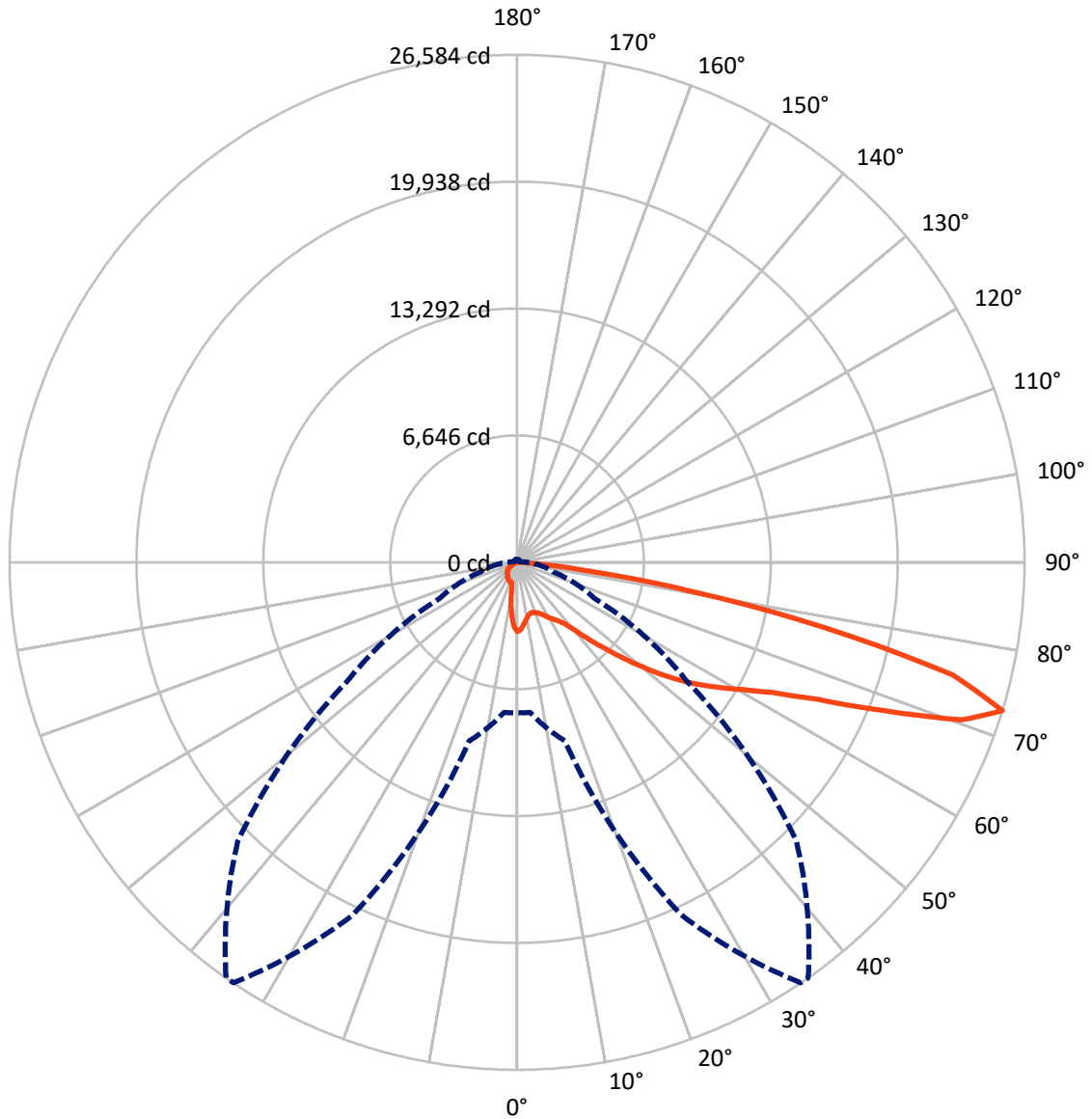
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
<b>House Side</b>	Lumens	2820.8	0.0	2820.8
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	22243.2	0.0	22243.2
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	25064.0	0.0	25064.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.5	1.2
10°-20°	698.3	2.8
20°-30°	1134.4	4.5
30°-40°	1892.7	7.6
40°-50°	3581.1	14.3
50°-60°	5690.3	22.7
60°-70°	7039.3	28.1
70°-80°	4375.7	17.5
80°-90°	353.6	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°	25064.0	100.0
0°-180°	25064.0	100.0

**Coefficient of Utilization**



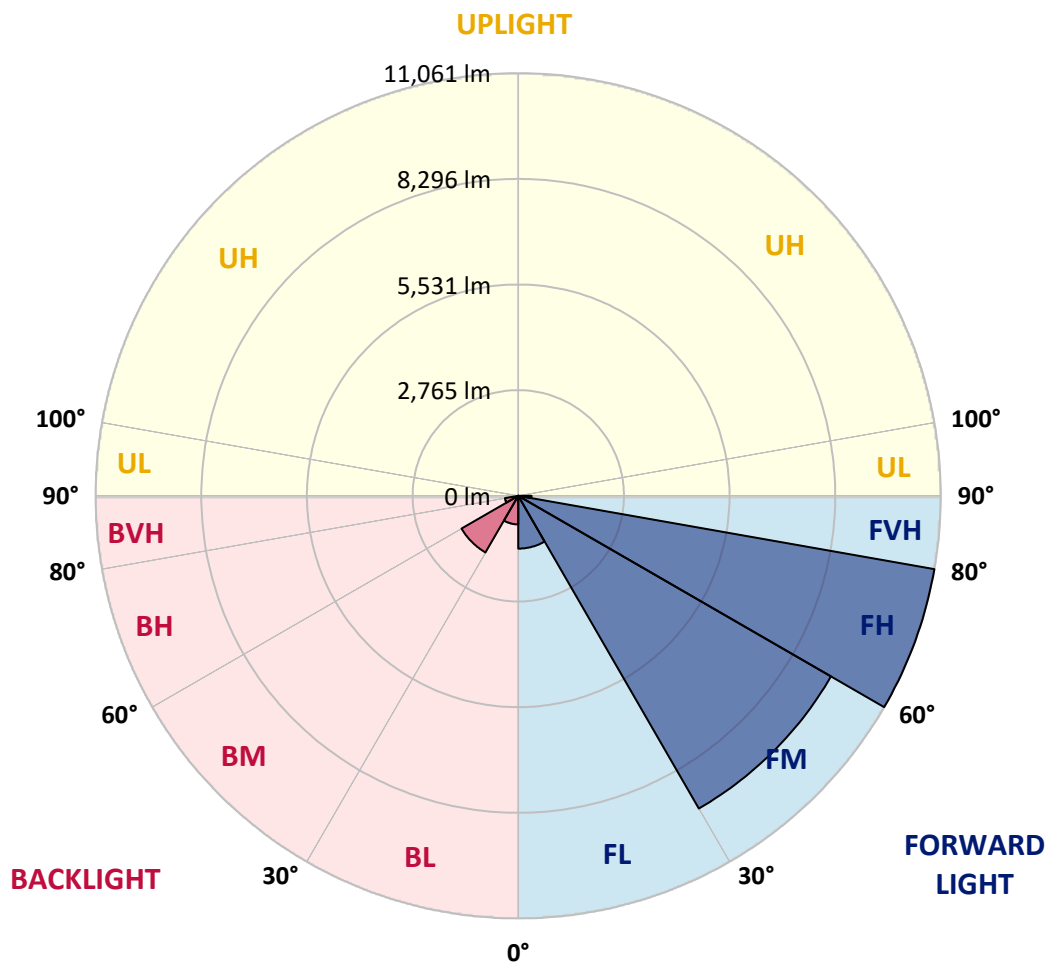
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1381.7	5.5			
FM (30°-60°)	9451.6	37.7			
FH (60°-80°)	11061.0	44.1			G4/12000
FVH (80°-90°)	348.8	1.4			G3/500
BL (0°-30°)	749.6	3.0	B2/1000		
BM (30°-60°)	1712.5	6.8	B2/2500		
BH (60°-80°)	354.0	1.4	B1/500		G1/500
BVH (80°-90°)	4.8	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°	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6
2.5°	3471.0	3500.4	3505.9	3515.1	3515.1	3526.1	3544.5	3570.2	3612.4	3634.5
5°	3199.2	3221.2	3248.8	3270.8	3313.1	3318.6	3390.2	3460.0	3557.3	3630.8
7.5°	2925.6	2951.3	2988.0	3041.3	3096.4	3112.9	3221.2	3338.8	3493.0	3630.8
10°	2732.7	2734.6	2767.6	2820.9	2909.0	2929.2	3061.5	3228.6	3421.4	3608.7
12.5°	2624.4	2637.2	2651.9	2692.3	2776.8	2789.7	2931.1	3127.6	3349.8	3595.9
15°	2624.4	2633.6	2642.7	2662.9	2730.9	2741.9	2866.8	3063.3	3313.1	3601.4
17.5°	2651.9	2666.6	2659.3	2683.1	2754.8	2762.1	2872.3	3044.9	3311.2	3636.3
20°	2718.0	2729.1	2714.4	2729.1	2800.7	2815.4	2929.2	3079.8	3342.4	3696.9
22.5°	2822.7	2828.2	2793.3	2804.3	2877.8	2896.2	3028.4	3179.0	3417.7	3794.2
25°	2954.9	2966.0	2912.7	2925.6	2995.3	3017.4	3169.8	3327.8	3537.1	3928.3
27.5°	3107.4	3112.9	3067.0	3065.1	3155.1	3186.3	3340.6	3511.4	3696.9	4097.3
30°	3281.8	3298.4	3254.3	3246.9	3360.8	3386.5	3539.0	3737.3	3932.0	4350.7
32.5°	3419.6	3432.4	3406.7	3425.1	3540.8	3561.0	3779.5	4056.8	4301.1	4710.6
35°	3617.9	3625.3	3566.5	3599.6	3731.8	3783.2	4108.3	4505.0	4765.7	5162.4
37.5°	4336.0	4336.0	4086.2	3922.8	4049.5	4095.4	4558.2	5068.8	5338.7	5768.5
40°	5329.5	5313.0	4947.6	4613.3	4596.8	4686.8	5199.2	5779.5	6078.8	6495.7
42.5°	6389.2	6363.5	5865.8	5535.2	5480.1	5511.4	5939.3	6655.5	6960.4	7382.8
45°	7329.5	7322.2	6866.7	6422.3	6323.1	6422.3	6863.0	7680.3	7898.8	8343.3
47.5°	8117.4	8117.4	7785.0	7494.8	7443.4	7502.1	8113.7	8817.1	8796.9	9366.2
50°	9024.6	9017.3	8701.4	8576.5	8629.8	8712.4	9553.5	10014.5	9726.1	10370.8
52.5°	9660.0	9704.1	9595.8	9575.6	9847.4	9990.6	11015.4	11186.2	10558.1	11323.9
55°	10163.2	10214.7	10339.5	10481.0	11004.4	11191.7	12431.3	12297.3	11254.1	12150.3
57.5°	10875.8	10802.3	10995.2	11274.3	12121.0	12346.8	13803.2	13345.9	11814.3	12820.7
60°	11740.8	11751.8	11784.9	12137.5	13235.7	13525.9	15154.9	14337.6	12174.2	13232.0
62.5°	12780.3	12796.8	12864.7	13406.5	14732.5	15006.1	16594.7	15149.4	12339.5	13116.3
65°	12708.6	12778.4	13536.9	15389.9	17007.9	17277.9	18275.1	15718.7	12089.7	12058.5
67.5°	11577.4	11691.2	12960.2	17759.0	20438.5	20739.7	20306.3	15830.7	11011.7	9377.2
70°	10093.5	10133.9	11660.0	19889.4	24410.9	24715.7	22124.4	14598.4	8356.1	5230.4
72.5°	7882.3	7891.5	9682.1	20383.4	26566.9	26583.5	20697.5	10837.2	4493.9	2009.1
75°	5630.7	5575.6	6484.7	16530.4	23373.2	23560.6	15516.7	5083.5	1717.1	949.5
77.5°	3019.2	3079.8	3669.3	9803.3	16146.6	16466.1	8466.3	1465.5	874.2	646.5
80°	932.9	984.4	1504.1	4488.4	9145.8	9338.6	3138.6	652.0	609.7	461.0
82.5°	293.8	304.9	701.5	1886.1	3796.1	3884.2	909.1	369.1	416.9	304.9
85°	84.5	86.3	312.2	703.4	938.5	956.8	255.3	143.2	238.7	189.2
87.5°	9.2	29.4	117.5	117.5	82.6	80.8	27.5	31.2	68.0	23.9
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°
3632.6	0°	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6
3649.1	2.5°	3640.0	3641.8	3617.9	3577.5	3533.4	3496.7	3450.8	3414.1	3388.4	3381.0
3682.2	5°	3665.7	3652.8	3584.9	3461.8	3314.9	3188.2	3046.8	2934.7	2861.3	2830.1
3717.1	7.5°	3704.2	3667.5	3518.8	3276.3	2995.3	2745.6	2492.1	2295.6	2170.8	2108.3
3750.2	10°	3737.3	3663.8	3408.6	3008.2	2578.5	2200.1	1858.5	1621.6	1489.4	1427.0
3788.7	12.5°	3768.5	3662.0	3265.3	2690.5	2108.3	1645.5	1327.8	1210.3	1173.5	1160.7
3851.2	15°	3827.3	3667.5	3085.3	2326.9	1640.0	1243.3	1127.6	1125.8	1133.1	1129.5
3946.7	17.5°	3908.1	3673.0	2881.5	1941.2	1265.4	1096.4	1090.9	1107.4	1118.4	1112.9
4066.0	20°	4012.8	3695.1	2664.8	1559.2	1087.2	1059.7	1072.5	1087.2	1096.4	1087.2
4225.8	22.5°	4159.7	3733.6	2427.9	1252.5	1030.3	1037.6	1048.6	1065.2	1074.4	1061.5
4429.7	25°	4339.7	3794.2	2194.6	1089.0	1002.7	1011.9	1028.4	1046.8	1057.8	1045.0
4686.8	27.5°	4572.9	3891.6	1979.8	1052.3	975.2	980.7	1004.6	1032.1	1046.8	1030.3
5052.2	30°	4910.8	4051.3	1794.3	1068.8	958.7	945.8	978.9	1017.4	1034.0	1019.3
5549.9	32.5°	5358.9	4277.2	1680.4	1094.6	951.3	905.4	936.6	986.2	1013.8	1004.6
6200.1	35°	5946.6	4620.7	1636.3	1123.9	945.8	863.2	885.2	938.5	986.2	995.4
7019.1	37.5°	6659.2	5098.1	1649.2	1136.8	929.3	828.3	839.3	885.2	947.6	977.0
7941.1	40°	7469.1	5654.6	1722.6	1123.9	910.9	798.9	800.7	835.6	890.7	934.8
8932.8	42.5°	8304.7	6304.7	1858.5	1076.2	894.4	773.2	767.7	791.5	828.3	859.5
9922.7	45°	9099.9	6973.2	1992.6	1010.1	874.2	747.5	734.6	743.8	751.1	764.0
10886.8	47.5°	9794.1	7443.4	1954.0	949.5	846.6	718.1	696.0	692.4	670.3	668.5
11748.1	50°	10273.4	7546.2	1735.5	888.9	806.2	685.0	650.1	628.1	589.5	571.2
12392.8	52.5°	10425.9	7140.3	1417.8	828.3	740.1	640.9	591.4	556.5	508.7	492.2
12763.7	55°	10223.8	6345.1	1133.1	754.8	648.3	582.2	527.1	481.2	442.6	422.4
12804.1	57.5°	9729.8	5333.2	896.2	668.5	551.0	516.1	461.0	415.1	382.0	361.8
12356.0	60°	8910.7	4235.0	708.9	565.6	470.1	444.4	387.5	358.1	328.7	304.9
11199.0	62.5°	7667.4	3022.9	556.5	448.1	393.0	363.6	330.6	308.5	273.6	240.6
9118.3	65°	5983.3	1849.4	429.7	328.7	315.9	301.2	281.0	260.8	218.5	185.5
5948.5	67.5°	3774.0	876.0	306.7	247.9	249.8	242.4	233.2	216.7	185.5	156.1
2664.8	70°	1662.0	424.2	202.0	189.2	185.5	185.5	192.8	187.3	157.9	130.4
925.6	72.5°	565.6	227.7	150.6	143.2	134.1	132.2	161.6	156.1	126.7	101.0
461.0	75°	295.7	152.4	110.2	102.8	80.8	97.3	128.6	121.2	90.0	66.1
304.9	77.5°	192.8	108.4	75.3	66.1	45.9	64.3	95.5	84.5	53.3	33.1
200.2	80°	121.2	71.6	44.1	31.2	22.0	34.9	51.4	36.7	20.2	7.3
117.5	82.5°	64.3	36.7	16.5	11.0	9.2	11.0	12.9	9.2	3.7	0.0
60.6	85°	25.7	12.9	5.5	3.7	1.8	0.0	3.7	1.8	0.0	0.0
11.0	87.5°	9.2	1.8	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°
3632.6
3393.9
2841.1
2117.5
1428.8
1157.0
1127.6
1111.1
1085.4
1059.7
1043.1
1030.3
1017.4
1004.6
995.4
984.4
949.5
872.3
771.3
666.7
573.0
490.3
422.4
358.1
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