

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: P852677

Luminaire Tested: **GLAN-SB5C-830-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-830-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32105 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

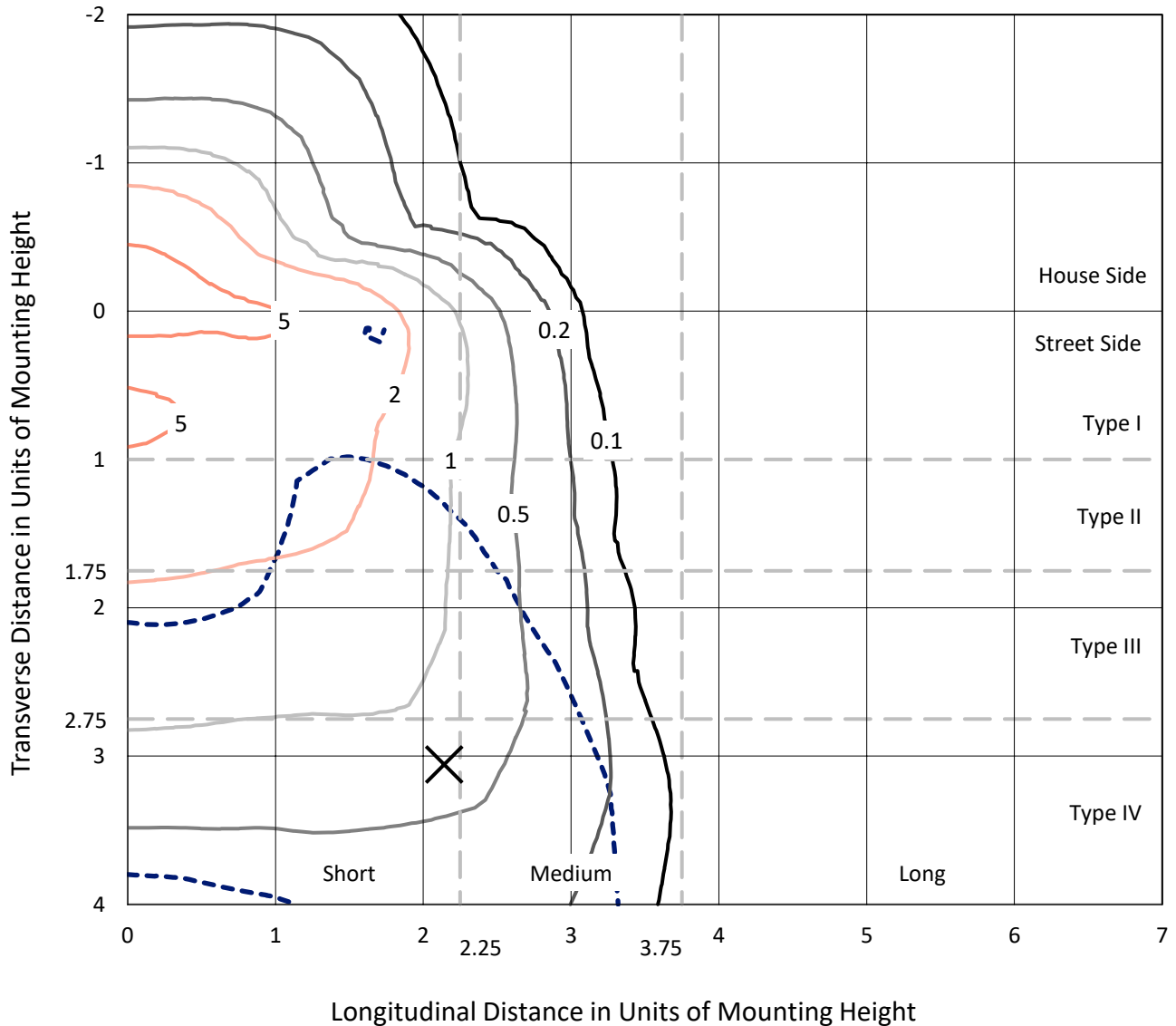
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

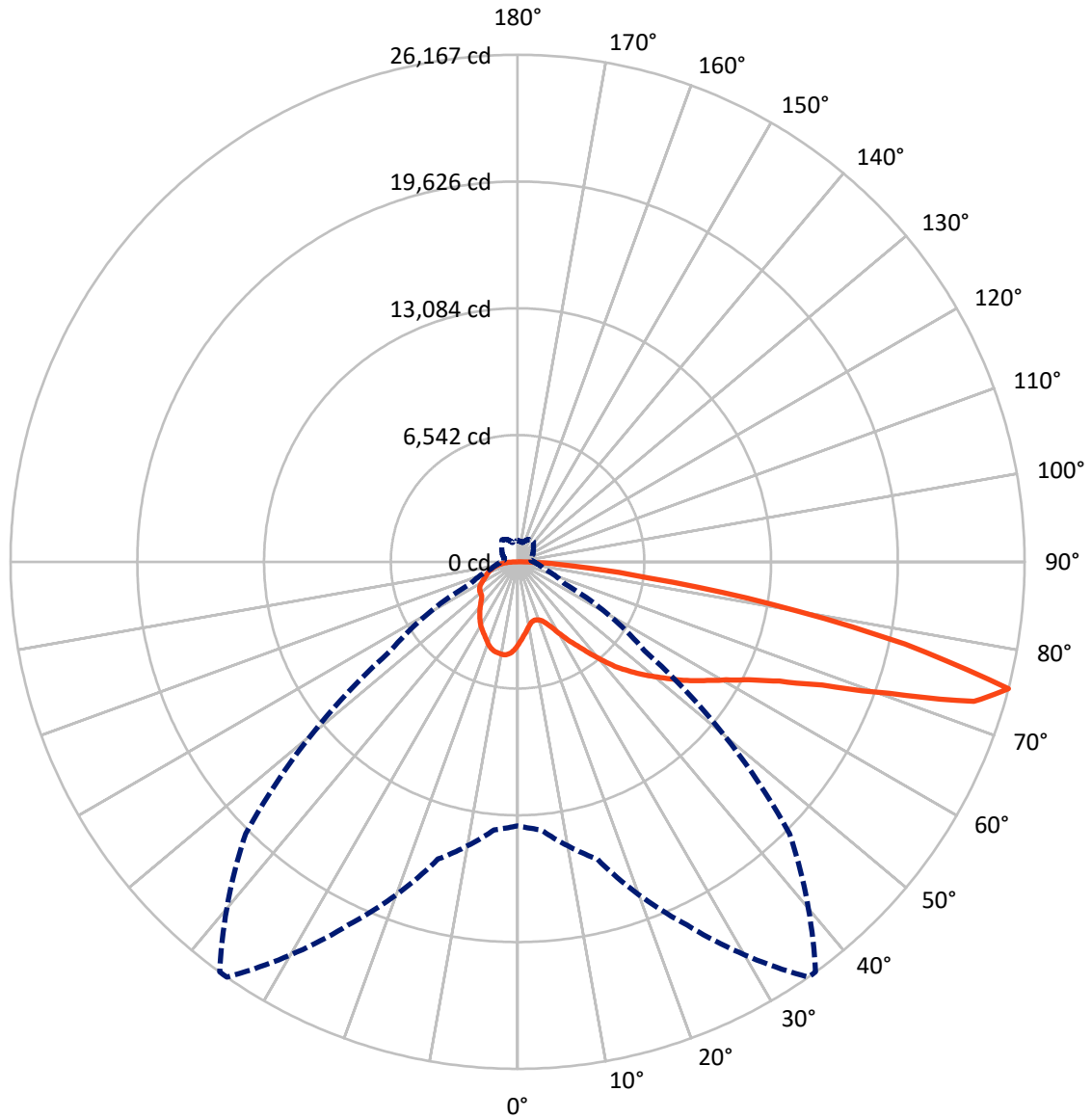
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7640.2	0.0	7640.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	24464.8	0.0	24464.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	32105.0	0.0	32105.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.1	1.3
10°-20°	1168.4	3.6
20°-30°	1962.0	6.1
30°-40°	3049.2	9.5
40°-50°	4525.9	14.1
50°-60°	6248.2	19.5
60°-70°	7580.5	23.6
70°-80°	6264.7	19.5
80°-90°	901.1	2.8
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°	32105.0	100.0
0°-180°	32105.0	100.0

**Coefficient of Utilization**

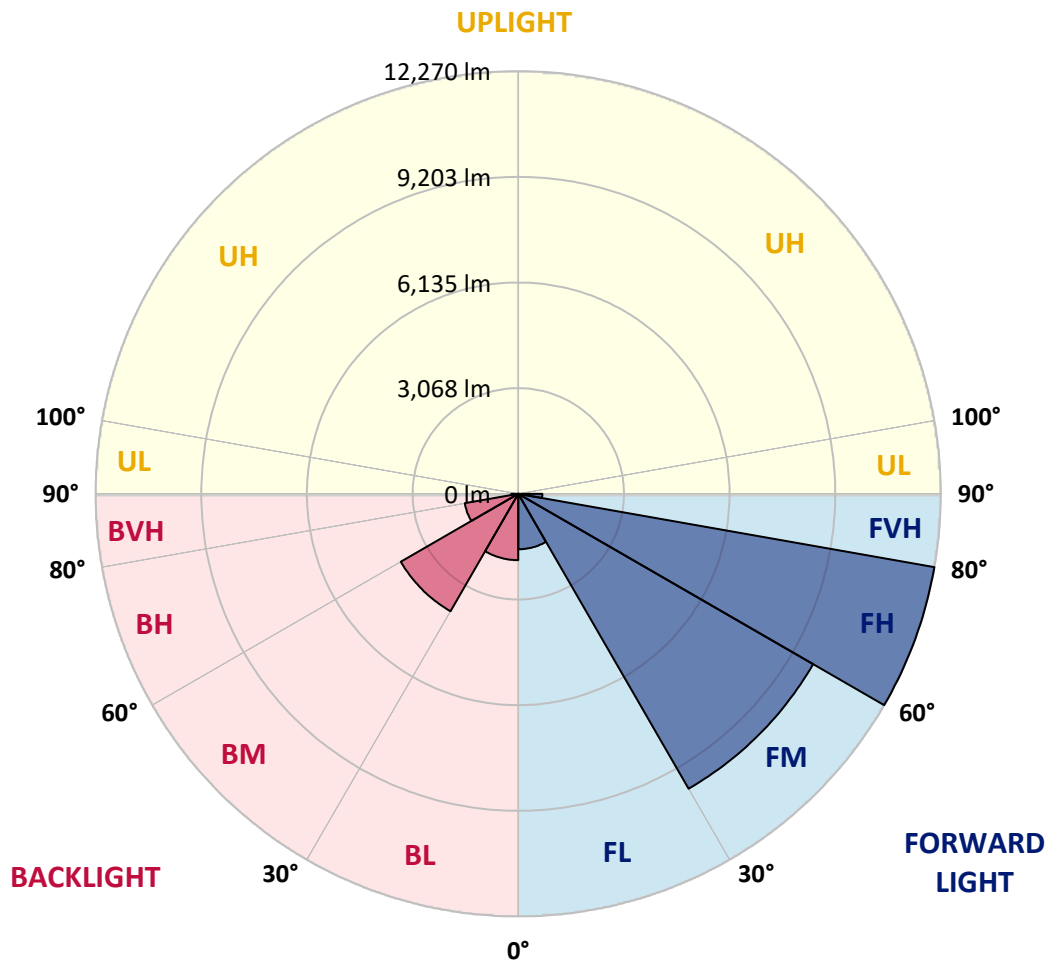


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.0	5.0			
FM (30°-60°)	9886.6	30.8			
FH (60°-80°)	12270.1	38.2			G5
FVH (80°-90°)	698.2	2.2			G4/750
BL (0°-30°)	1925.4	6.0	B3/2500		
BM (30°-60°)	3936.7	12.3	B3/5000		
BH (60°-80°)	1575.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	202.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2
2.5°	3945.0	3969.3	3979.7	3974.5	4000.5	3997.0	4033.5	4078.6	4141.1	4201.8
5°	3641.3	3667.3	3689.8	3710.7	3761.0	3776.6	3833.9	3920.7	4035.2	4151.5
7.5°	3358.4	3380.9	3415.6	3453.8	3538.9	3554.5	3649.9	3785.3	3945.0	4115.1
10°	3127.5	3150.1	3186.5	3229.9	3335.8	3354.9	3476.4	3656.9	3865.1	4080.4
12.5°	3028.6	3035.5	3056.4	3099.7	3191.7	3203.9	3337.5	3544.1	3787.0	4054.3
15°	3023.4	3037.3	3039.0	3061.6	3137.9	3143.1	3266.4	3471.2	3738.4	4049.1
17.5°	3075.5	3085.9	3070.2	3084.1	3148.3	3157.0	3254.2	3436.5	3722.8	4071.7
20°	3214.3	3223.0	3176.1	3157.0	3203.9	3210.8	3306.3	3459.0	3738.4	4118.5
22.5°	3509.3	3514.6	3400.0	3321.9	3325.4	3328.8	3412.2	3551.0	3799.2	4203.6
25°	3969.3	3965.8	3783.6	3632.6	3545.8	3526.7	3582.2	3700.3	3901.6	4316.4
27.5°	4507.3	4481.3	4299.0	4073.4	3884.2	3856.5	3844.3	3894.6	4047.4	4465.7
30°	5114.8	5090.5	4894.3	4599.3	4337.2	4292.1	4177.5	4151.5	4264.3	4668.7
32.5°	5781.2	5765.6	5531.3	5173.8	4823.2	4771.1	4578.5	4509.0	4597.6	4975.9
35°	6340.1	6326.2	6131.8	5763.9	5335.2	5271.0	5074.8	4996.7	5041.9	5369.9
37.5°	6845.1	6838.2	6671.6	6381.7	5939.2	5861.1	5640.6	5614.6	5605.9	5888.8
40°	7313.7	7296.4	7122.8	6970.1	6642.1	6570.9	6376.5	6354.0	6288.0	6527.5
42.5°	7832.7	7787.6	7535.9	7464.7	7376.2	7317.2	7200.9	7204.4	7058.6	7247.8
45°	8256.2	8230.1	7971.5	7929.9	8025.3	8001.0	8101.7	8127.7	7844.8	8002.8
47.5°	8710.9	8686.6	8467.9	8438.4	8697.0	8703.9	9059.7	9068.4	8612.0	8787.2
50°	9271.5	9236.8	9019.8	9056.3	9346.1	9372.1	10023.0	9964.0	9318.3	9583.9
52.5°	9641.2	9662.0	9615.1	9674.1	10069.8	10094.1	10970.6	10819.6	10017.8	10370.1
55°	9913.6	9955.3	10101.1	10236.5	10833.5	10857.8	11864.4	11633.6	10597.5	11099.0
57.5°	10264.2	10205.2	10477.7	10741.5	11559.0	11623.2	12734.0	12418.1	11111.2	11727.3
60°	10767.5	10725.9	10937.6	11328.1	12371.2	12473.6	13653.8	13124.5	11487.8	12225.4
62.5°	11788.1	11683.9	11716.9	12062.3	13395.2	13530.6	14691.7	13740.6	11675.3	12419.8
65°	13313.6	13134.9	12968.3	13207.8	14837.5	14971.1	15863.2	14224.8	11605.8	12043.2
67.5°	15234.9	15057.9	14853.1	15078.7	16961.8	17067.7	17309.0	14497.3	11059.1	10592.3
70°	16819.5	16753.6	16998.3	17926.8	20354.9	20358.4	19162.6	14271.7	9561.3	7509.9
72.5°	16609.5	16569.6	17859.1	20729.8	24631.4	24539.4	20917.2	12563.9	6440.7	3387.9
75°	13626.1	13884.7	15882.3	20679.5	26167.4	26155.2	19842.9	7987.1	2664.1	1404.1
77.5°	7306.8	7716.4	10311.1	15267.9	20427.8	20735.0	13950.6	2794.3	1143.7	899.0
80°	2383.0	2740.5	4109.9	7773.7	13273.7	13216.5	5979.1	1096.9	782.7	637.0
82.5°	1011.8	1053.5	1836.2	3670.8	6812.2	6706.3	1903.9	630.0	550.2	435.6
85°	395.7	442.6	810.5	1697.4	2950.5	2886.3	687.3	312.4	352.3	284.6
87.5°	130.2	157.9	289.8	581.4	918.1	885.1	168.4	107.6	152.7	130.2
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°
4278.2	0°	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2	4278.2
4290.4	2.5°	4314.7	4342.4	4375.4	4424.0	4465.7	4500.4	4536.8	4559.4	4568.1	4594.1
4297.3	5°	4345.9	4406.6	4488.2	4568.1	4646.2	4693.0	4734.7	4755.5	4774.6	4788.5
4316.4	7.5°	4398.0	4476.1	4604.5	4708.6	4774.6	4812.8	4840.5	4833.6	4840.5	4844.0
4337.2	10°	4443.1	4552.4	4705.2	4804.1	4854.4	4856.2	4849.2	4824.9	4812.8	4814.5
4368.5	12.5°	4496.9	4618.4	4783.3	4866.6	4880.5	4842.3	4812.8	4771.1	4755.5	4748.6
4415.3	15°	4569.8	4708.6	4868.3	4899.5	4864.8	4816.2	4765.9	4698.2	4663.5	4635.7
4495.2	17.5°	4658.3	4811.0	4934.3	4911.7	4837.1	4757.2	4675.7	4573.3	4502.1	4472.6
4604.5	20°	4781.5	4918.6	4984.6	4885.7	4772.8	4651.4	4512.5	4387.6	4321.6	4292.1
4743.3	22.5°	4930.8	5062.7	5033.2	4840.5	4680.9	4486.5	4312.9	4220.9	4188.0	4167.1
4922.1	25°	5109.6	5222.4	5067.9	4774.6	4529.9	4267.8	4134.2	4104.7	4089.0	4073.4
5140.8	27.5°	5342.1	5402.9	5093.9	4677.4	4293.8	4035.2	3986.6	3991.8	3986.6	3960.6
5444.5	30°	5649.3	5637.2	5118.2	4519.5	4023.1	3825.2	3828.7	3851.3	3854.7	3837.4
5868.0	32.5°	6053.7	5930.5	5130.4	4314.7	3764.5	3641.3	3644.7	3669.0	3686.4	3656.9
6421.7	35°	6543.1	6272.4	5111.3	4057.8	3564.9	3466.0	3439.9	3446.9	3452.1	3424.3
7093.3	37.5°	7114.1	6656.0	5026.2	3773.2	3400.0	3294.1	3238.6	3191.7	3164.0	3137.9
7853.5	40°	7740.7	7074.2	4870.0	3495.5	3216.0	3111.9	3028.6	2940.1	2846.4	2811.6
8658.8	42.5°	8396.7	7504.7	4680.9	3229.9	3004.3	2919.2	2830.7	2702.3	2561.7	2490.6
9495.4	45°	9077.1	7945.5	4495.2	2967.8	2787.3	2750.9	2648.5	2494.0	2341.3	2251.0
10333.7	47.5°	9743.6	8362.0	4222.7	2704.0	2584.3	2624.2	2544.4	2402.0	2232.0	2089.6
11165.0	50°	10380.5	8752.5	3776.6	2436.8	2419.4	2586.0	2509.7	2304.9	2110.5	1928.2
11980.7	52.5°	11012.3	9068.4	3205.6	2193.8	2330.9	2575.6	2464.5	2238.9	2001.1	1810.2
12747.8	55°	11548.6	9231.6	2655.4	1985.5	2202.5	2487.1	2410.7	2160.8	1846.7	1643.6
13273.7	57.5°	11854.0	9099.7	2197.2	1780.7	2025.4	2341.3	2318.7	1994.2	1662.7	1506.5
13376.1	60°	11722.1	8565.1	1822.4	1601.9	1857.1	2183.4	2159.1	1829.3	1522.1	1374.6
12827.7	62.5°	10994.9	7546.3	1525.6	1445.7	1704.3	2022.0	1999.4	1702.6	1414.5	1272.2
11371.5	65°	9530.1	6138.8	1294.7	1315.6	1549.9	1827.6	1860.5	1596.7	1329.5	1190.6
8797.7	67.5°	7268.6	4446.6	1114.2	1202.8	1398.9	1636.7	1732.1	1520.4	1258.3	1126.4
5090.5	70°	4142.8	2525.3	961.5	1093.4	1265.2	1459.6	1633.2	1459.6	1181.9	1072.6
1907.4	72.5°	1570.7	1159.4	831.3	984.1	1136.8	1310.4	1523.8	1364.2	1093.4	1011.8
985.8	75°	838.3	706.4	699.4	855.6	989.3	1164.6	1386.7	1270.4	1027.5	1069.1
682.1	77.5°	571.0	499.8	584.9	732.4	827.9	1003.2	1240.9	1128.1	890.4	886.9
472.1	80°	395.7	354.1	475.5	590.1	640.4	843.5	1083.0	968.5	725.5	676.9
291.6	82.5°	237.8	230.8	355.8	440.8	453.0	650.8	897.3	812.3	593.6	517.2
173.6	85°	130.2	137.1	227.4	258.6	263.8	454.7	702.9	628.3	456.5	383.6
62.5	87.5°	36.4	46.9	83.3	102.4	126.7	236.0	418.3	373.2	229.1	159.7
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°
4278.2
4592.3
4791.9
4849.2
4818.0
4745.1
4644.4
4474.3
4288.6
4170.6
4073.4
3965.8
3846.0
3670.8
3443.4
3155.3
2827.3
2499.2
2244.1
2074.0
1912.6
1789.4
1626.2
1485.7
1353.8
1249.6
1168.0
1105.6
1058.7
998.0
1103.8
817.5
647.4
520.7
387.0
159.7
0.0

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