

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: P852679

Luminaire Tested: **GLAN-SB5C-835-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852679  
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-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30959 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

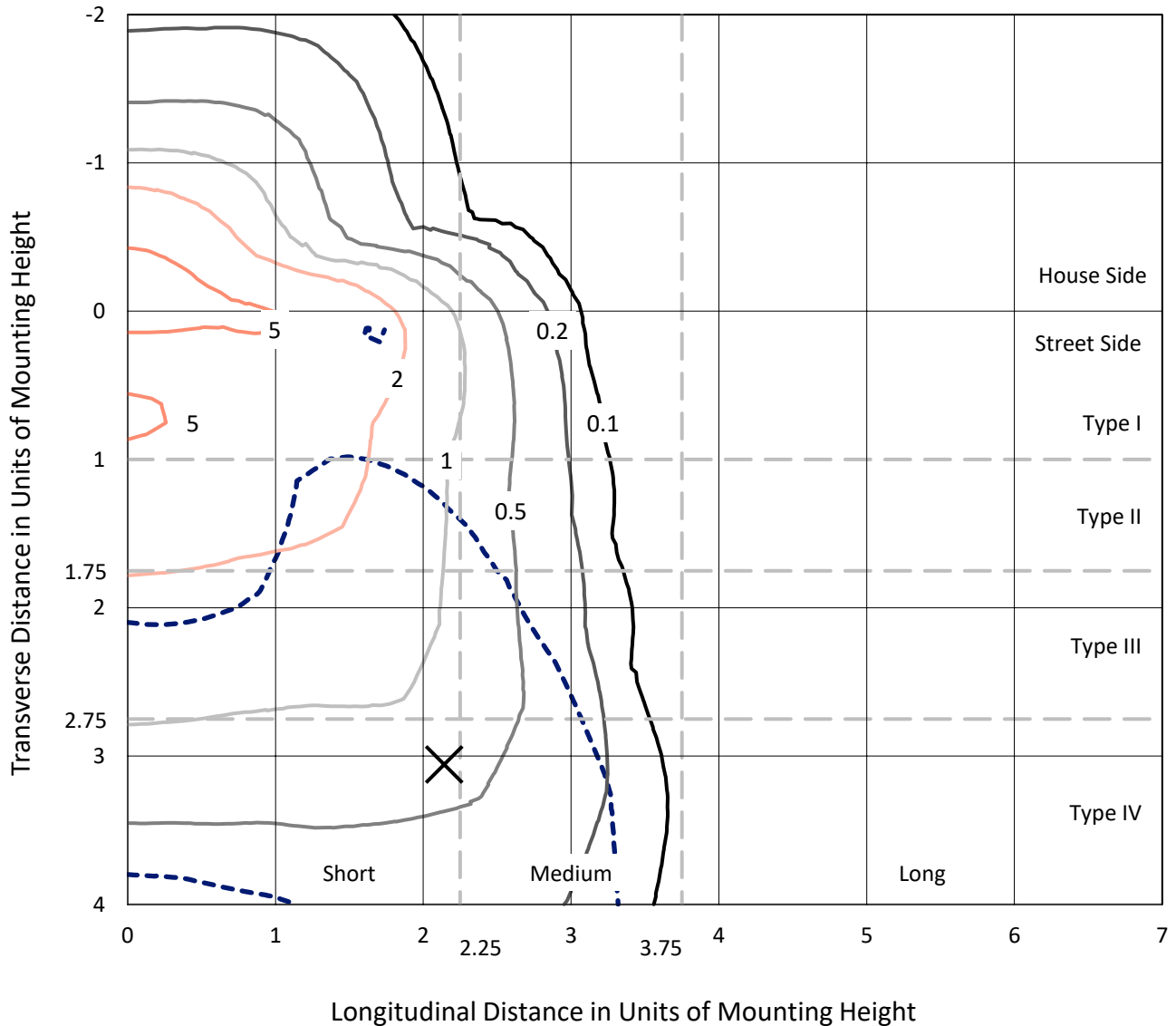
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

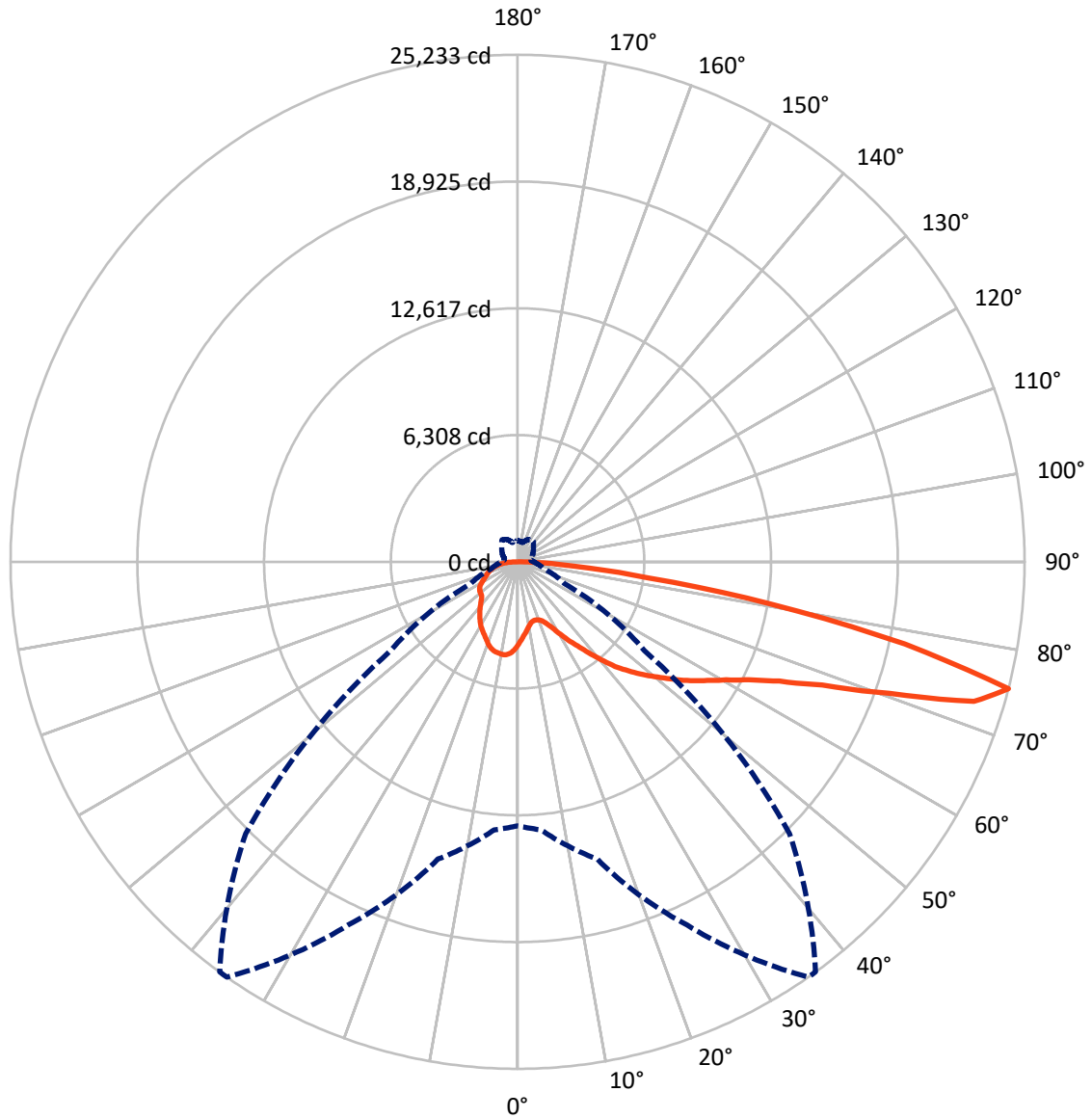
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	7367.5	0.0	7367.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	23591.5	0.0	23591.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	30959.0	0.0	30959.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.6	1.3
10°-20°	1126.7	3.6
20°-30°	1892.0	6.1
30°-40°	2940.4	9.5
40°-50°	4364.3	14.1
50°-60°	6025.2	19.5
60°-70°	7309.9	23.6
70°-80°	6041.1	19.5
80°-90°	868.9	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°	30959.0	100.0
0°-180°	30959.0	100.0

**Coefficient of Utilization**

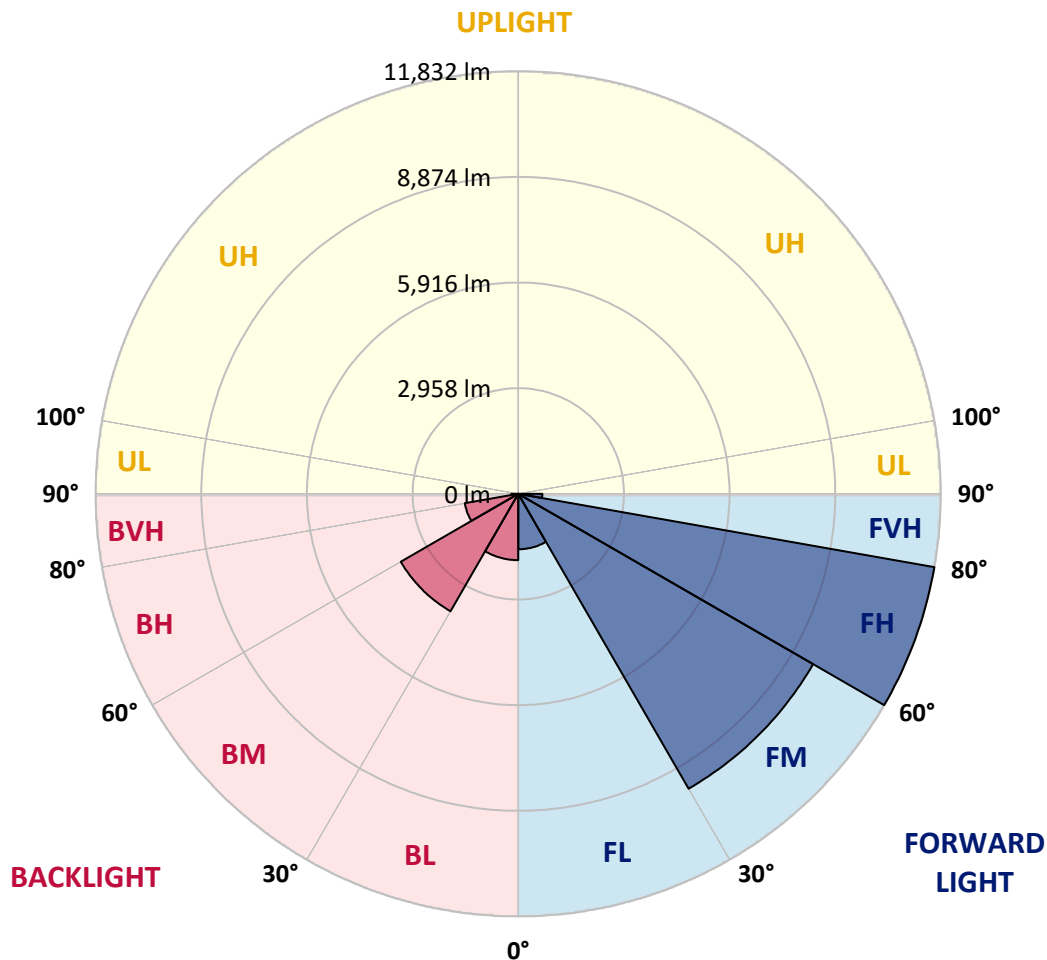


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1552.5	5.0			
FM (30°-60°)	9533.7	30.8			
FH (60°-80°)	11832.1	38.2			G4/12000
FVH (80°-90°)	673.2	2.2			G4/750
BL (0°-30°)	1856.7	6.0	B3/2500		
BM (30°-60°)	3796.2	12.3	B3/5000		
BH (60°-80°)	1518.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	195.7	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-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5
2.5°	3804.2	3827.6	3837.6	3832.6	3857.7	3854.4	3889.5	3933.0	3993.3	4051.9
5°	3511.3	3536.4	3558.1	3578.2	3626.8	3641.8	3697.0	3780.7	3891.2	4003.3
7.5°	3238.5	3260.2	3293.7	3330.5	3412.5	3427.6	3519.6	3650.2	3804.2	3968.2
10°	3015.9	3037.6	3072.8	3114.6	3216.7	3235.1	3352.3	3526.3	3727.2	3934.7
12.5°	2920.5	2927.2	2947.3	2989.1	3077.8	3089.5	3218.4	3417.6	3651.9	3909.6
15°	2915.5	2928.9	2930.5	2952.3	3025.9	3030.9	3149.8	3347.3	3605.0	3904.6
17.5°	2965.7	2975.7	2960.7	2974.0	3036.0	3044.3	3138.1	3313.8	3589.9	3926.3
20°	3099.6	3107.9	3062.7	3044.3	3089.5	3096.2	3188.3	3335.5	3605.0	3971.5
22.5°	3384.1	3389.1	3278.6	3203.3	3206.7	3210.0	3290.4	3424.2	3663.6	4053.5
25°	3827.6	3824.2	3648.5	3502.9	3419.2	3400.8	3454.4	3568.2	3762.3	4162.3
27.5°	4346.4	4321.3	4145.6	3928.0	3745.6	3718.8	3707.1	3755.6	3902.9	4306.2
30°	4932.2	4908.8	4719.6	4435.1	4182.4	4138.9	4028.4	4003.3	4112.1	4502.1
32.5°	5574.9	5559.8	5333.9	4989.1	4651.0	4600.8	4415.0	4348.1	4433.4	4798.3
35°	6113.8	6100.4	5912.9	5558.1	5144.7	5082.8	4893.7	4818.4	4861.9	5178.2
37.5°	6600.8	6594.1	6433.4	6153.9	5727.2	5651.8	5439.3	5414.2	5405.8	5678.6
40°	7052.7	7035.9	6868.6	6721.3	6405.0	6336.4	6148.9	6127.2	6063.6	6294.5
42.5°	7553.1	7509.6	7266.9	7198.3	7112.9	7056.0	6943.9	6947.2	6806.7	6989.1
45°	7961.5	7936.4	7687.0	7646.8	7738.9	7715.4	7812.5	7837.6	7564.8	7717.1
47.5°	8399.9	8376.5	8165.6	8137.2	8386.6	8393.3	8736.3	8744.7	8304.5	8473.6
50°	8940.5	8907.1	8697.9	8733.0	9012.5	9037.6	9665.2	9608.3	8985.7	9241.8
52.5°	9297.0	9317.1	9271.9	9328.8	9710.4	9733.8	10579.0	10433.4	9660.2	9999.9
55°	9559.8	9599.9	9740.5	9871.1	10446.8	10470.2	11440.9	11218.3	10219.2	10702.9
57.5°	9897.8	9840.9	10103.7	10358.1	11146.4	11208.3	12279.4	11974.8	10714.6	11308.7
60°	10383.2	10343.0	10547.2	10923.8	11929.6	12028.4	13166.4	12656.0	11077.8	11789.0
62.5°	11367.3	11266.9	11298.7	11631.7	12917.1	13047.6	14167.3	13250.1	11258.5	11976.5
65°	12838.4	12666.0	12505.4	12736.3	14307.9	14436.7	15297.0	13717.1	11191.6	11613.3
67.5°	14691.1	14520.4	14322.9	14540.5	16356.4	16458.5	16691.1	13979.8	10664.4	10214.2
70°	16219.1	16155.5	16391.5	17286.9	19628.3	19631.7	18478.5	13762.3	9220.0	7241.8
72.5°	16016.6	15978.1	17221.6	19989.8	23752.1	23663.4	20170.6	12115.4	6210.8	3266.9
75°	13139.7	13389.0	15315.4	19941.3	25233.3	25221.6	19134.6	7702.0	2569.0	1354.0
77.5°	7046.0	7441.0	9943.0	14722.9	19698.6	19994.8	13452.6	2694.5	1102.9	866.9
80°	2297.9	2642.7	3963.2	7496.2	12799.9	12744.7	5765.7	1057.7	754.8	614.2
82.5°	975.7	1015.9	1770.7	3539.7	6569.0	6466.9	1836.0	607.5	530.5	420.1
85°	381.6	426.8	781.6	1636.8	2845.2	2783.2	662.8	301.3	339.7	274.5
87.5°	125.5	152.3	279.5	560.7	885.3	853.6	162.3	103.8	147.3	125.5
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°
4125.5	0°	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5
4137.2	2.5°	4160.6	4187.4	4219.2	4266.1	4306.2	4339.7	4374.9	4396.6	4405.0	4430.1
4143.9	5°	4190.8	4249.3	4328.0	4405.0	4480.3	4525.5	4565.7	4585.7	4604.2	4617.5
4162.3	7.5°	4241.0	4316.3	4440.1	4540.6	4604.2	4641.0	4667.8	4661.1	4667.8	4671.1
4182.4	10°	4284.5	4389.9	4537.2	4632.6	4681.1	4682.8	4676.1	4652.7	4641.0	4642.6
4212.5	12.5°	4336.4	4453.5	4612.5	4692.9	4706.2	4669.4	4641.0	4600.8	4585.7	4579.0
4257.7	15°	4406.7	4540.6	4694.5	4724.7	4691.2	4644.3	4595.8	4530.5	4497.0	4470.3
4334.7	17.5°	4492.0	4639.3	4758.1	4736.4	4664.4	4587.4	4508.8	4410.0	4341.4	4312.9
4440.1	20°	4610.8	4743.1	4806.7	4711.3	4602.5	4485.3	4351.4	4230.9	4167.3	4138.9
4574.0	22.5°	4754.8	4882.0	4853.5	4667.8	4513.8	4326.3	4159.0	4070.3	4038.5	4018.4
4746.4	25°	4927.2	5036.0	4887.0	4604.2	4368.2	4115.5	3986.6	3958.1	3943.1	3928.0
4957.3	27.5°	5151.4	5210.0	4912.1	4510.4	4140.6	3891.2	3844.3	3849.3	3844.3	3819.2
5250.2	30°	5447.7	5435.9	4935.5	4358.1	3879.5	3688.7	3692.0	3713.8	3717.1	3700.4
5658.5	32.5°	5837.6	5718.8	4947.2	4160.6	3630.1	3511.3	3514.6	3538.1	3554.8	3526.3
6192.4	35°	6309.6	6048.5	4928.8	3912.9	3437.6	3342.2	3317.1	3323.8	3328.8	3302.1
6840.1	37.5°	6860.2	6418.4	4846.8	3638.5	3278.6	3176.5	3123.0	3077.8	3051.0	3025.9
7573.2	40°	7464.4	6821.7	4696.2	3370.7	3101.2	3000.8	2920.5	2835.1	2744.8	2711.3
8349.7	42.5°	8097.0	7236.8	4513.8	3114.6	2897.1	2815.0	2729.7	2605.8	2470.3	2401.7
9156.4	45°	8753.1	7661.9	4334.7	2861.9	2687.8	2652.7	2554.0	2405.0	2257.7	2170.7
9964.8	47.5°	9395.8	8063.5	4071.9	2607.5	2492.0	2530.5	2453.5	2316.3	2152.3	2015.0
10766.5	50°	10010.0	8440.1	3641.8	2349.8	2333.0	2493.7	2420.1	2222.6	2035.1	1859.4
11553.1	52.5°	10619.2	8744.7	3091.2	2115.5	2247.7	2483.7	2376.6	2159.0	1929.7	1745.6
12292.8	55°	11136.3	8902.0	2560.7	1914.6	2123.8	2398.3	2324.7	2083.7	1780.7	1584.9
12799.9	57.5°	11430.9	8774.8	2118.8	1717.1	1953.1	2257.7	2236.0	1923.0	1603.3	1452.7
12898.7	60°	11303.7	8259.4	1757.3	1544.8	1790.8	2105.4	2082.0	1764.0	1467.8	1325.5
12369.8	62.5°	10602.4	7276.9	1471.1	1394.1	1643.5	1949.8	1928.0	1641.8	1364.0	1226.8
10965.6	65°	9189.9	5919.6	1248.5	1268.6	1494.6	1762.3	1794.1	1539.7	1282.0	1148.1
8483.6	67.5°	7009.2	4287.8	1074.5	1159.8	1348.9	1578.2	1670.3	1466.1	1213.4	1086.2
4908.8	70°	3995.0	2435.1	927.2	1054.4	1220.1	1407.5	1574.9	1407.5	1139.7	1034.3
1839.3	72.5°	1514.6	1118.0	801.7	948.9	1096.2	1263.6	1469.4	1315.5	1054.4	975.7
950.6	75°	808.4	681.2	674.5	825.1	954.0	1123.0	1337.2	1225.1	990.8	1031.0
657.7	77.5°	550.6	482.0	564.0	706.3	798.3	967.4	1196.6	1087.9	858.6	855.2
455.2	80°	381.6	341.4	458.6	569.0	617.6	813.4	1044.3	933.9	699.6	652.7
281.2	82.5°	229.3	222.6	343.1	425.1	436.8	627.6	865.3	783.3	572.4	498.7
167.4	85°	125.5	132.2	219.2	249.4	254.4	438.5	677.8	605.9	440.2	369.9
60.3	87.5°	35.1	45.2	80.3	98.7	122.2	227.6	403.3	359.8	220.9	154.0
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°
4125.5
4428.4
4620.9
4676.1
4646.0
4575.7
4478.6
4314.6
4135.5
4021.7
3928.0
3824.2
3708.8
3539.7
3320.5
3042.7
2726.3
2410.0
2164.0
2000.0
1844.3
1725.5
1568.2
1432.6
1305.4
1205.0
1126.4
1066.1
1020.9
962.3
1064.4
788.3
624.3
502.1
373.2
154.0
0.0

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