

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: P848823

Luminaire Tested: **GLAN-SB5C-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29899 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

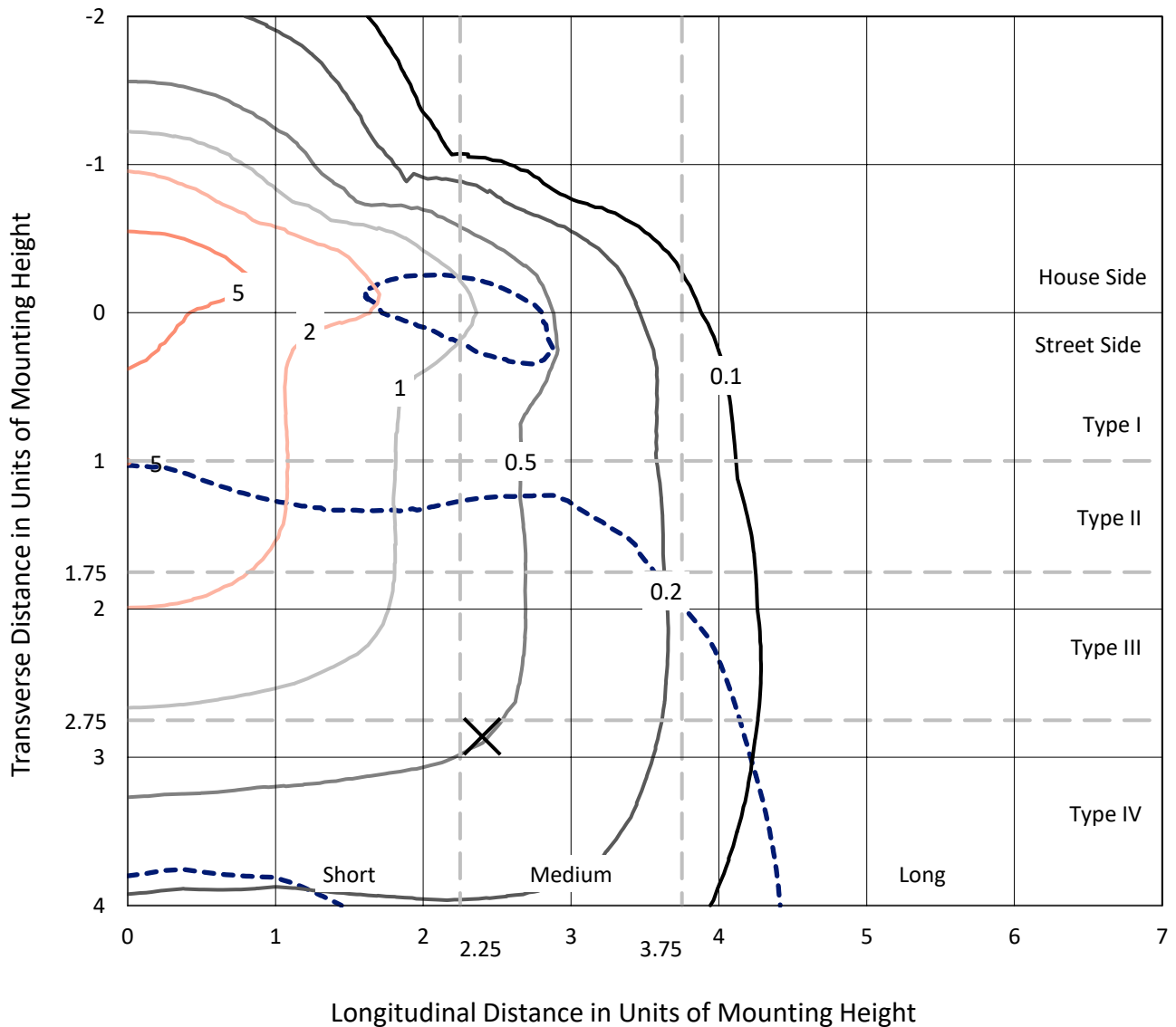
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

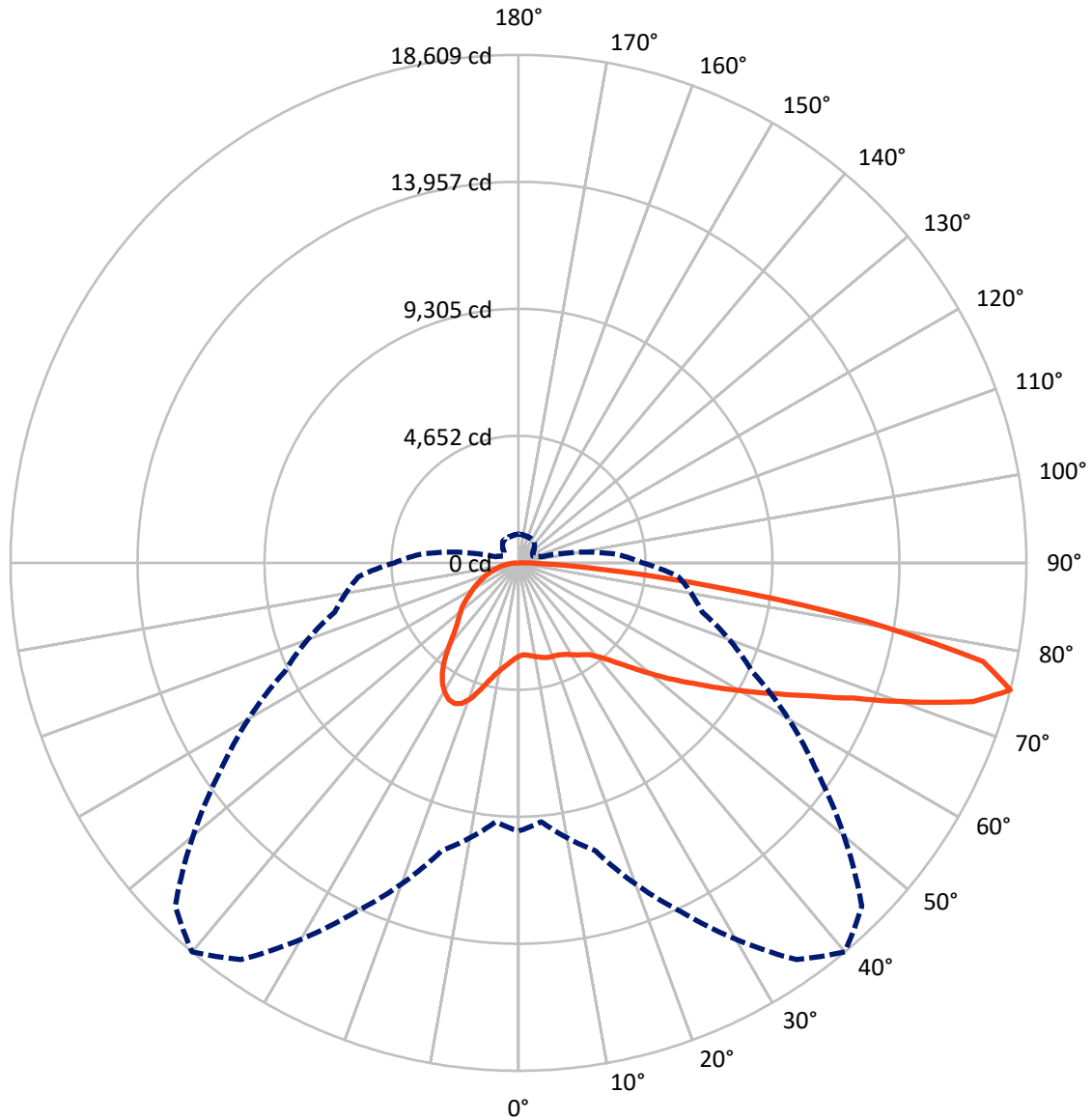
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9263.7	0.0	9263.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	20635.3	0.0	20635.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	29899.0	0.0	29899.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.3	1.1
10°-20°	1145.8	3.8
20°-30°	2092.2	7.0
30°-40°	2967.3	9.9
40°-50°	4006.8	13.4
50°-60°	5390.2	18.0
60°-70°	6841.4	22.9
70°-80°	6209.0	20.8
80°-90°	905.1	3.0
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°	29899.0	100.0
0°-180°	29899.0	100.0

**Coefficient of Utilization**

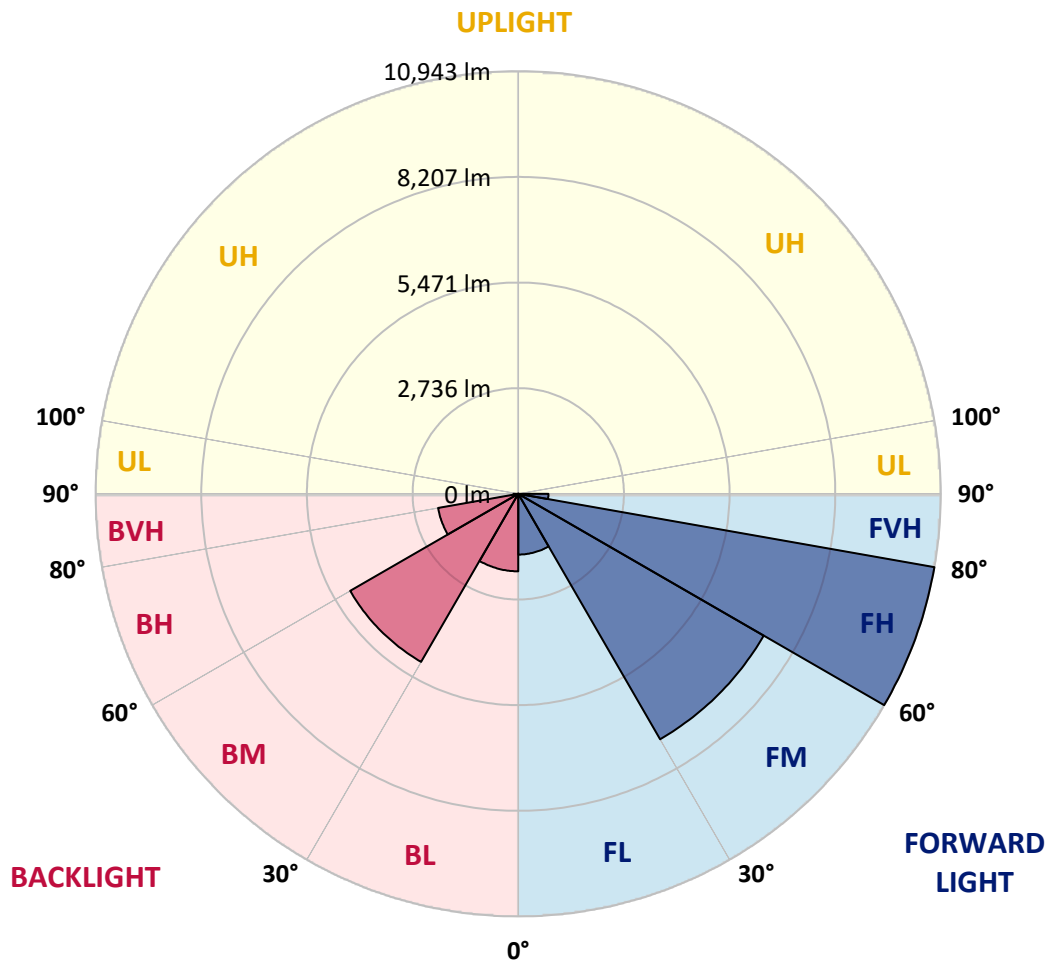


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1572.7	5.3			
FM (30°-60°)	7339.5	24.5			
FH (60°-80°)	10942.6	36.6			G4/12000
FVH (80°-90°)	780.5	2.6			G5
BL (0°-30°)	2006.6	6.7	B3/2500		
BM (30°-60°)	5024.7	16.8	B4/8500		
BH (60°-80°)	2107.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	124.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0
2.5°	3366.7	3385.7	3380.9	3374.6	3374.6	3376.2	3374.6	3385.7	3396.8	3407.9
5°	3401.5	3420.6	3411.1	3403.1	3396.8	3395.2	3390.4	3388.9	3395.2	3409.5
7.5°	3469.7	3488.8	3474.5	3460.2	3447.5	3441.2	3434.8	3425.3	3420.6	3428.5
10°	3545.9	3564.9	3547.4	3522.1	3501.5	3493.5	3487.2	3477.7	3471.3	3476.1
12.5°	3622.0	3641.0	3617.2	3582.3	3555.4	3550.6	3542.7	3539.5	3537.9	3536.3
15°	3693.3	3709.2	3679.1	3637.8	3609.3	3601.4	3593.4	3598.2	3606.1	3615.6
17.5°	3748.8	3764.7	3720.3	3666.4	3639.4	3636.2	3631.5	3647.3	3669.5	3693.3
20°	3799.6	3815.4	3758.4	3685.4	3653.7	3653.7	3655.3	3688.6	3720.3	3755.2
22.5°	3870.9	3883.6	3813.9	3713.9	3668.0	3671.1	3683.8	3717.1	3756.8	3804.3
25°	3977.2	3986.7	3901.1	3767.9	3715.5	3725.1	3736.2	3752.0	3790.1	3845.6
27.5°	4148.5	4156.4	4043.8	3863.0	3783.7	3799.6	3815.4	3804.3	3821.8	3869.4
30°	4389.5	4394.3	4251.5	4012.1	3899.5	3907.4	3910.6	3864.6	3831.3	3869.4
32.5°	4674.9	4673.4	4503.7	4192.9	4031.1	4023.2	3996.2	3905.8	3828.1	3861.4
35°	5117.4	5099.9	4881.1	4446.6	4180.2	4131.0	4067.6	3951.8	3844.0	3853.5
37.5°	5850.0	5796.1	5493.2	4862.1	4402.2	4276.9	4183.3	4026.4	3878.9	3850.3
40°	6676.2	6608.0	6275.0	5431.4	4735.2	4533.8	4383.2	4132.6	3936.0	3864.6
42.5°	7656.3	7559.5	7201.1	6102.2	5157.0	4865.2	4638.5	4267.4	4020.0	3910.6
45°	8859.9	8731.4	8224.0	6858.6	5688.3	5299.8	4996.9	4472.0	4148.5	3999.4
47.5°	10076.2	10107.9	9386.4	7724.4	6325.8	5835.8	5445.6	4779.6	4335.6	4142.1
50°	11368.6	11390.8	10542.4	8683.9	7048.9	6441.5	5949.9	5123.7	4595.7	4345.1
52.5°	12377.2	12380.4	11592.2	9687.7	7802.1	7107.6	6493.9	5517.0	4897.0	4614.7
55°	13008.3	13000.4	12328.0	10637.6	8668.0	7806.9	7096.5	5964.2	5264.9	4931.8
57.5°	13466.6	13442.8	12835.5	11454.3	9590.9	8633.1	7778.4	6471.7	5699.4	5309.3
60°	13641.1	13626.8	13179.6	12159.9	10561.4	9546.5	8564.9	7039.4	6192.6	5754.9
62.5°	13707.7	13734.6	13517.4	12843.4	11600.1	10558.3	9429.2	7718.1	6747.6	6259.2
65°	13942.4	13991.5	13947.1	13737.8	12773.6	11742.9	10575.7	8525.3	7353.4	6799.9
67.5°	14407.0	14456.2	14475.2	14808.2	14207.2	13219.3	12006.1	9530.7	8062.2	7361.3
70°	14395.9	14381.6	14717.8	15659.8	16002.3	15263.4	13934.4	10767.6	8907.5	7827.5
72.5°	13103.5	12989.3	13783.8	15650.3	17496.2	17397.8	16289.4	12362.9	9636.9	7884.6
75°	9830.4	9525.9	10929.4	14104.1	17745.1	18609.4	17786.4	13352.5	9464.1	6966.4
77.5°	4204.0	3897.9	5551.9	10440.9	15881.8	17396.3	16413.1	11649.3	7554.8	4606.8
80°	1100.5	1099.0	1677.8	4733.6	10800.9	12846.6	11270.3	7523.0	4316.6	1646.1
82.5°	455.1	444.0	616.9	1841.1	5277.6	7209.1	5883.3	3355.6	1558.8	445.6
85°	169.7	168.1	299.7	635.9	1861.7	2973.4	2151.9	857.9	388.5	217.3
87.5°	47.6	46.0	65.0	220.4	453.5	688.2	367.9	141.1	109.4	85.6
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°
3419.0	0°	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0	3419.0
3425.3	2.5°	3430.1	3438.0	3452.3	3463.4	3477.7	3493.5	3515.7	3530.0	3544.3	3553.8
3433.3	5°	3444.4	3461.8	3498.3	3534.8	3577.6	3617.2	3663.2	3696.5	3723.5	3731.4
3461.8	7.5°	3476.1	3504.6	3566.5	3628.3	3696.5	3761.5	3828.1	3885.2	3931.2	3948.6
3512.6	10°	3531.6	3569.6	3656.9	3744.1	3834.5	3934.4	4020.0	4102.5	4167.5	4194.4
3572.8	12.5°	3601.4	3648.9	3763.1	3883.6	4008.9	4146.9	4257.9	4359.4	4440.2	4476.7
3656.9	15°	3691.7	3753.6	3899.5	4061.2	4245.2	4437.1	4578.2	4690.8	4781.2	4825.6
3744.1	17.5°	3790.1	3872.5	4056.5	4300.7	4563.9	4816.1	4981.0	5063.5	5157.0	5199.8
3825.0	20°	3885.2	3986.7	4250.0	4605.2	4955.6	5223.6	5356.8	5379.0	5385.4	5390.1
3901.1	22.5°	3983.5	4119.9	4492.6	4988.9	5364.8	5550.3	5569.3	5474.2	5341.0	5279.1
3975.6	25°	4091.4	4272.2	4809.7	5412.3	5716.8	5739.0	5593.1	5361.6	5109.5	4993.7
4035.9	27.5°	4196.0	4448.2	5190.3	5816.7	5970.5	5775.5	5461.5	5133.2	4828.8	4706.7
4078.7	30°	4300.7	4649.6	5610.6	6170.4	6086.3	5685.1	5253.8	4887.4	4581.4	4452.9
4116.7	32.5°	4406.9	4884.3	6094.2	6425.7	6065.7	5493.2	4995.3	4611.5	4341.9	4207.1
4150.0	35°	4527.5	5172.9	6552.5	6565.2	5927.7	5210.9	4654.3	4281.7	4047.0	3939.1
4189.7	37.5°	4684.5	5539.2	6956.9	6600.1	5686.7	4797.1	4230.9	3891.6	3698.1	3648.9
4248.4	40°	4879.5	5980.1	7266.1	6544.6	5329.9	4294.4	3767.9	3496.7	3387.3	3398.4
4327.7	42.5°	5133.2	6473.2	7483.4	6401.9	4833.5	3775.8	3361.9	3241.4	3293.7	3338.1
4446.6	45°	5463.1	6985.5	7618.2	6159.3	4272.2	3336.5	3122.4	3151.0	3190.6	3195.4
4638.5	47.5°	5884.9	7504.0	7707.0	5792.9	3699.7	3027.3	2970.2	2976.6	2968.6	2935.3
4925.5	50°	6411.4	8008.3	7786.3	5307.7	3212.8	2833.8	2757.7	2735.5	2626.1	2518.3
5307.7	52.5°	7010.8	8471.4	7819.6	4705.1	2833.8	2672.1	2548.4	2408.8	2204.3	2171.0
5788.2	55°	7676.9	8899.5	7734.0	3964.5	2515.1	2464.3	2277.2	2109.1	2086.9	2058.4
6420.9	57.5°	8472.9	9361.0	7559.5	3138.3	2188.4	2221.7	2039.3	2058.4	2018.7	1974.3
7234.4	60°	9343.5	9838.3	7253.5	2385.0	1850.6	1918.8	1977.5	1975.9	1964.8	1928.3
8092.4	62.5°	10126.9	10152.3	6650.9	1826.8	1554.1	1684.1	1844.3	1842.7	1833.2	1812.6
8988.3	65°	10593.2	10104.7	5645.5	1438.3	1309.9	1490.7	1663.5	1676.2	1677.8	1676.2
9662.3	67.5°	10510.7	9548.1	4265.8	1144.9	1108.5	1294.0	1484.3	1501.8	1514.4	1517.6
9747.9	70°	9578.2	8325.5	2781.5	913.4	929.3	1121.2	1314.6	1332.1	1343.2	1355.9
8458.7	72.5°	7466.0	6121.2	1592.1	739.0	772.3	972.1	1146.5	1167.2	1173.5	1197.3
5886.5	75°	4549.7	3599.8	859.5	582.0	634.3	831.0	980.0	1003.8	1014.9	1043.5
2890.9	77.5°	2163.0	1558.8	490.0	453.5	510.6	678.7	827.8	854.7	824.6	840.5
797.7	80°	731.1	578.8	309.2	345.7	390.1	529.7	662.9	689.8	626.4	623.2
264.8	82.5°	255.3	234.7	196.6	229.9	252.1	379.0	501.1	536.0	466.2	464.6
118.9	85°	99.9	95.1	109.4	125.3	150.7	233.1	329.8	347.3	287.0	231.5
34.9	87.5°	20.6	22.2	27.0	28.5	46.0	80.9	118.9	145.9	115.8	98.3
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°
3419.0
3547.4
3734.6
3950.2
4196.0
4476.7
4822.4
5198.3
5402.8
5296.6
5011.1
4720.9
4467.2
4224.6
3962.9
3683.8
3436.4
3379.3
3227.1
2960.7
2532.5
2182.1
2063.1
1966.4
1915.6
1804.6
1676.2
1520.8
1362.2
1206.8
1046.6
827.8
616.9
442.4
228.4
90.4
0.0

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