

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: P849293

Luminaire Tested: **GLAN-SB6B-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849293  
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-SB6B-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33216 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

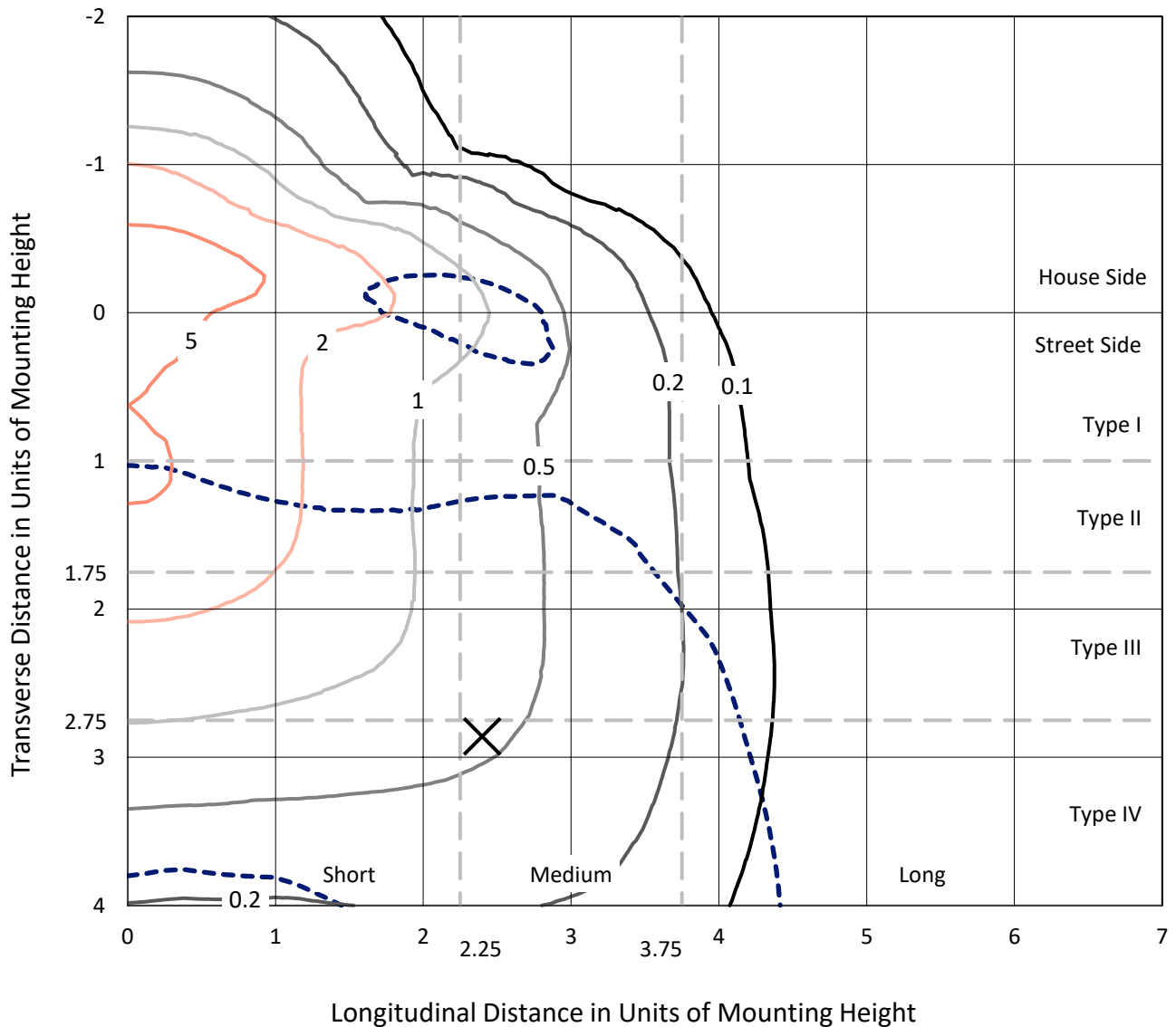
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

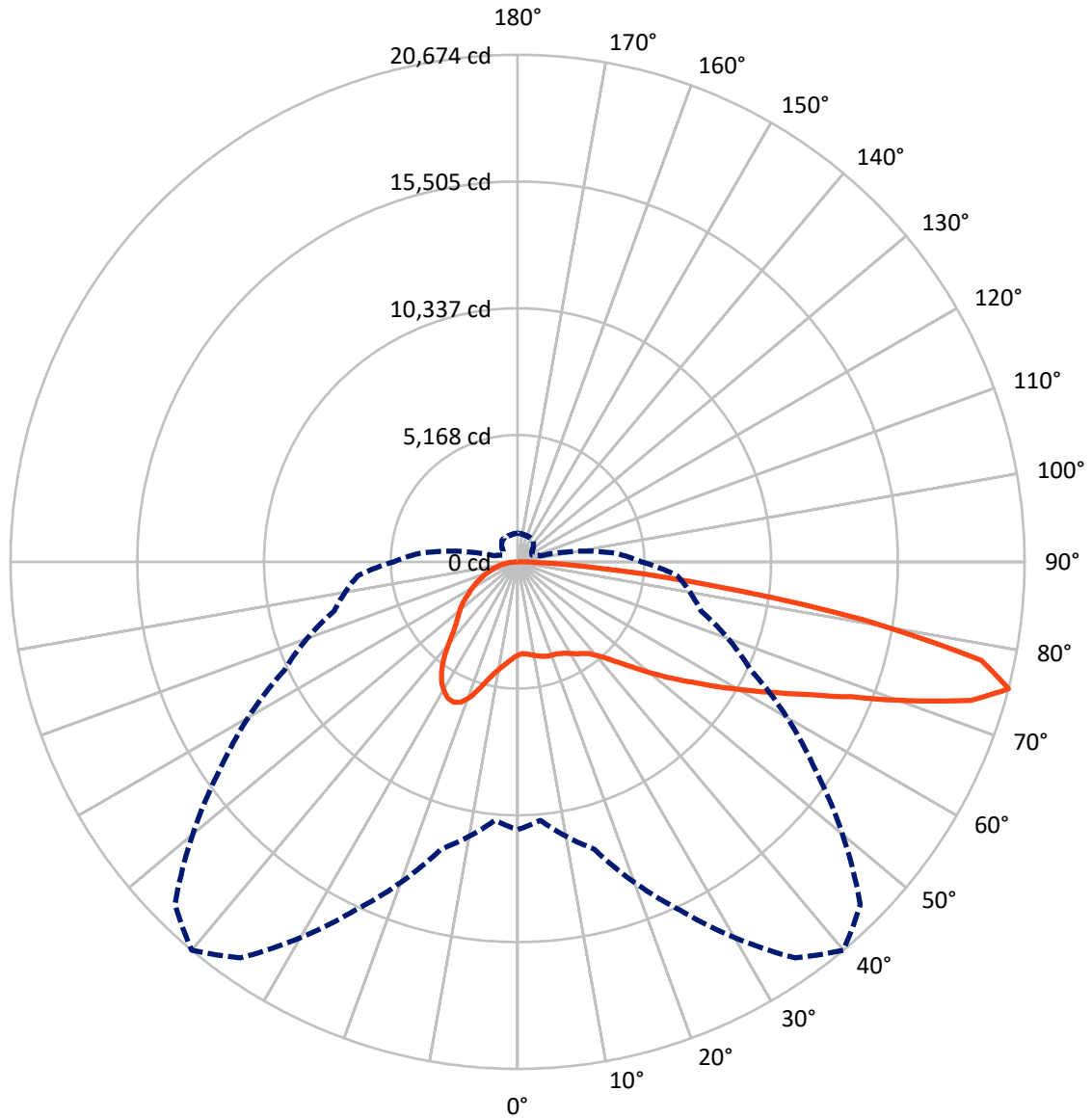
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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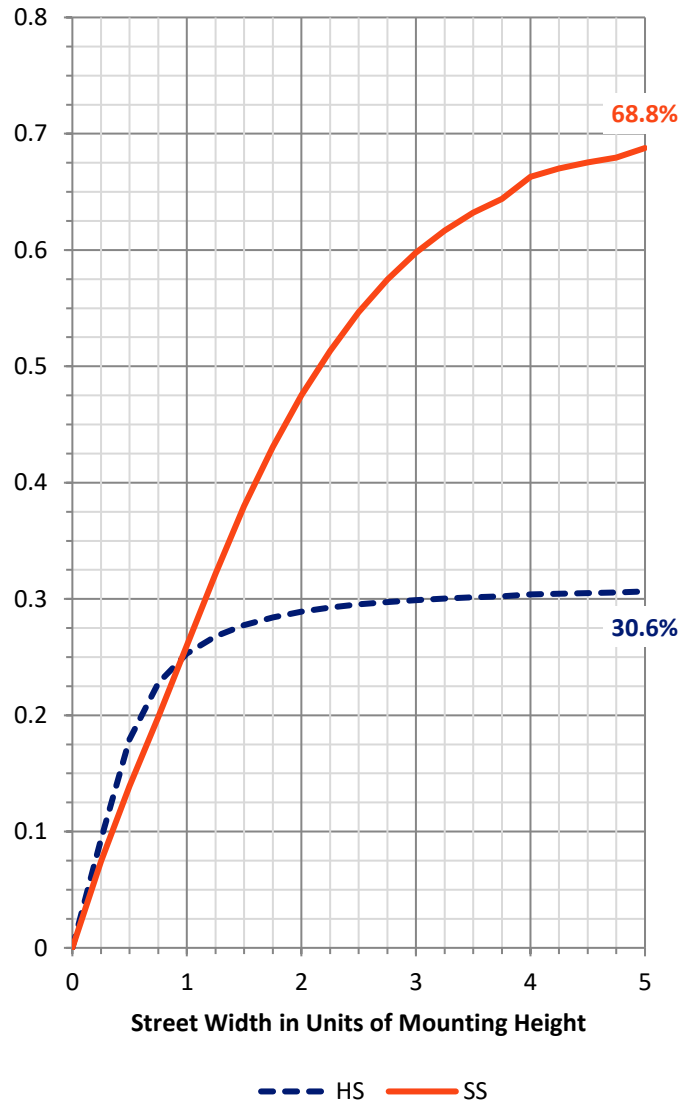
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10291.4	0.0	10291.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	22924.6	0.0	22924.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	33216.0	0.0	33216.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.1	1.1
10°-20°	1273.0	3.8
20°-30°	2324.3	7.0
30°-40°	3296.5	9.9
40°-50°	4451.3	13.4
50°-60°	5988.2	18.0
60°-70°	7600.4	22.9
70°-80°	6897.8	20.8
80°-90°	1005.5	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°	33216.0	100.0
0°-180°	33216.0	100.0

**Coefficient of Utilization**

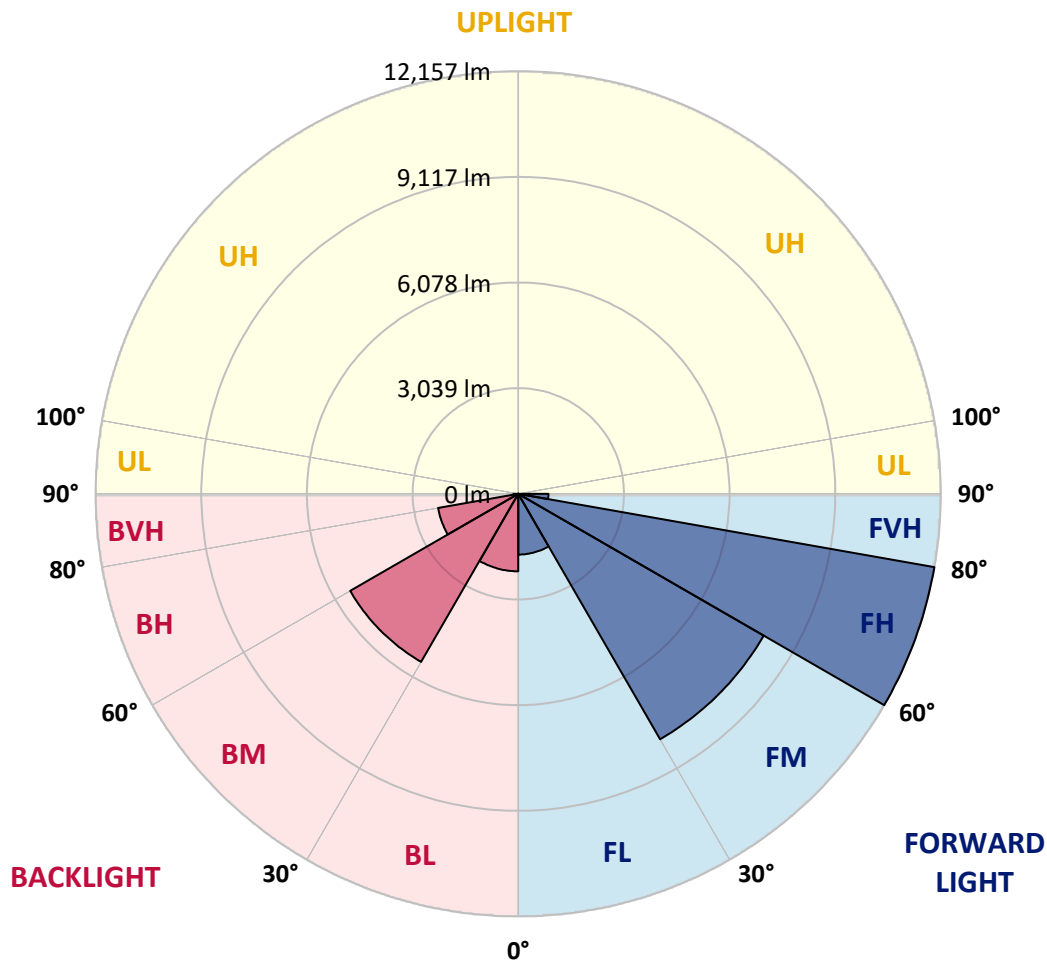


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1747.2	5.3			
FM (30°-60°)	8153.8	24.5			
FH (60°-80°)	12156.5	36.6			G5
FVH (80°-90°)	867.1	2.6			G5
BL (0°-30°)	2229.2	6.7	B3/2500		
BM (30°-60°)	5582.2	16.8	B4/8500		
BH (60°-80°)	2341.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	138.4	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°	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3
2.5°	3740.2	3761.3	3756.0	3749.0	3749.0	3750.7	3749.0	3761.3	3773.6	3786.0
5°	3778.9	3800.1	3789.5	3780.7	3773.6	3771.9	3766.6	3764.8	3771.9	3787.7
7.5°	3854.7	3875.8	3860.0	3844.1	3830.0	3823.0	3815.9	3805.3	3800.1	3808.9
10°	3939.2	3960.4	3941.0	3912.8	3889.9	3881.1	3874.0	3863.5	3856.4	3861.7
12.5°	4023.8	4044.9	4018.5	3979.8	3949.8	3944.5	3935.7	3932.2	3930.4	3928.7
15°	4103.1	4120.7	4087.2	4041.4	4009.7	4000.9	3992.1	3997.4	4006.2	4016.7
17.5°	4164.7	4182.4	4133.0	4073.1	4043.2	4039.7	4034.4	4052.0	4076.6	4103.1
20°	4221.1	4238.7	4175.3	4094.3	4059.0	4059.0	4060.8	4097.8	4133.0	4171.8
22.5°	4300.4	4314.5	4237.0	4126.0	4074.9	4078.4	4092.5	4129.5	4173.5	4226.4
25°	4418.4	4429.0	4333.9	4185.9	4127.7	4138.3	4150.6	4168.3	4210.5	4272.2
27.5°	4608.7	4617.5	4492.4	4291.6	4203.5	4221.1	4238.7	4226.4	4245.8	4298.6
30°	4876.5	4881.8	4723.2	4457.2	4332.1	4340.9	4344.4	4293.3	4256.3	4298.6
32.5°	5193.6	5191.8	5003.3	4658.0	4478.3	4469.5	4439.6	4339.1	4252.8	4289.8
35°	5685.1	5665.7	5422.6	4939.9	4643.9	4589.3	4518.8	4390.2	4270.4	4281.0
37.5°	6499.0	6439.1	6102.6	5401.5	4890.6	4751.4	4647.4	4473.0	4309.2	4277.5
40°	7416.9	7341.1	6971.2	6033.9	5260.5	5036.8	4869.4	4591.1	4372.6	4293.3
42.5°	8505.6	8398.2	8000.0	6779.1	5729.2	5405.0	5153.1	4740.8	4466.0	4344.4
45°	9842.8	9700.1	9136.3	7619.5	6319.3	5887.7	5551.2	4968.1	4608.7	4443.1
47.5°	11194.0	11229.3	10427.7	8581.4	7027.5	6483.2	6049.8	5309.9	4816.6	4601.6
50°	12629.9	12654.5	11712.0	9647.2	7830.9	7156.2	6610.0	5692.2	5105.5	4827.1
52.5°	13750.3	13753.8	12878.3	10762.4	8667.7	7896.1	7214.3	6129.1	5440.2	5126.6
55°	14451.5	14442.7	13695.7	11817.7	9629.6	8673.0	7883.8	6625.9	5848.9	5479.0
57.5°	14960.6	14934.2	14259.5	12725.0	10655.0	9590.9	8641.3	7189.6	6331.7	5898.3
60°	15154.4	15138.6	14641.8	13509.0	11733.1	10605.6	9515.1	7820.3	6879.6	6393.3
62.5°	15228.4	15258.4	15017.0	14268.3	12887.1	11729.6	10475.3	8574.3	7496.2	6953.6
65°	15489.1	15543.8	15494.4	15261.9	14190.8	13045.6	11749.0	9471.1	8169.2	7554.3
67.5°	16005.3	16059.9	16081.1	16451.1	15783.4	14685.8	13338.1	10588.0	8956.6	8178.0
70°	15993.0	15977.1	16350.6	17397.1	17777.6	16956.7	15480.3	11962.2	9895.6	8695.9
72.5°	14557.2	14430.3	15313.0	17386.5	19437.2	19328.0	18096.5	13734.5	10706.0	8759.3
75°	10921.0	10582.7	12141.9	15668.8	19713.8	20673.9	19759.6	14833.8	10514.0	7739.3
77.5°	4670.4	4330.3	6167.8	11599.2	17643.7	19326.2	18233.9	12941.7	8392.9	5117.8
80°	1222.6	1220.9	1863.9	5258.8	11999.2	14271.8	12520.6	8357.7	4795.4	1828.7
82.5°	505.6	493.3	685.3	2045.4	5863.0	8008.8	6536.0	3727.8	1731.8	495.0
85°	188.5	186.7	333.0	706.5	2068.3	3303.2	2390.7	953.1	431.6	241.4
87.5°	52.9	51.1	72.2	244.9	503.9	764.6	408.7	156.8	121.6	95.1
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°
3798.3	0°	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3
3805.3	2.5°	3810.6	3819.4	3835.3	3847.6	3863.5	3881.1	3905.8	3921.6	3937.5	3948.0
3814.1	5°	3826.5	3845.9	3886.4	3926.9	3974.5	4018.5	4069.6	4106.6	4136.5	4145.4
3845.9	7.5°	3861.7	3893.4	3962.1	4030.8	4106.6	4178.8	4252.8	4316.2	4367.3	4386.7
3902.2	10°	3923.4	3965.7	4062.6	4159.4	4259.9	4370.9	4466.0	4557.6	4629.8	4659.8
3969.2	12.5°	4000.9	4053.7	4180.6	4314.5	4453.7	4606.9	4730.3	4843.0	4932.8	4973.4
4062.6	15°	4101.3	4170.0	4332.1	4511.8	4716.2	4929.3	5086.1	5211.2	5311.6	5361.0
4159.4	17.5°	4210.5	4302.1	4506.5	4777.8	5070.3	5350.4	5533.6	5625.2	5729.2	5776.7
4249.3	20°	4316.2	4429.0	4721.4	5116.1	5505.4	5803.1	5951.1	5975.8	5982.8	5988.1
4333.9	22.5°	4425.5	4577.0	4991.0	5542.4	5959.9	6166.1	6187.2	6081.5	5933.5	5864.8
4416.7	25°	4545.3	4746.1	5343.3	6012.8	6351.0	6375.7	6213.6	5956.4	5676.3	5547.7
4483.6	27.5°	4661.5	4941.7	5766.1	6462.0	6632.9	6416.2	6067.4	5702.7	5364.5	5228.8
4531.2	30°	4777.8	5165.4	6233.0	6854.9	6761.5	6315.8	5836.6	5429.7	5089.6	4946.9
4573.5	32.5°	4895.9	5426.1	6770.3	7138.5	6738.6	6102.6	5549.5	5123.1	4823.6	4673.9
4610.5	35°	5029.7	5746.8	7279.5	7293.6	6585.4	5789.1	5170.7	4756.7	4495.9	4376.1
4654.5	37.5°	5204.2	6153.7	7728.7	7332.3	6317.6	5329.2	4700.3	4323.3	4108.4	4053.7
4719.7	40°	5420.8	6643.5	8072.3	7270.7	5921.2	4770.8	4185.9	3884.6	3763.1	3775.4
4807.8	42.5°	5702.7	7191.4	8313.6	7112.1	5369.8	4194.7	3734.9	3601.0	3659.1	3708.4
4939.9	45°	6069.2	7760.4	8463.4	6842.6	4746.1	3706.7	3468.9	3500.6	3544.6	3549.9
5153.1	47.5°	6537.8	8336.5	8562.0	6435.6	4110.1	3363.1	3299.7	3306.8	3298.0	3261.0
5471.9	50°	7122.7	8896.7	8650.1	5896.5	3569.3	3148.2	3063.7	3039.0	2917.4	2797.6
5896.5	52.5°	7788.6	9411.2	8687.1	5227.1	3148.2	2968.5	2831.1	2676.1	2448.8	2411.8
6430.3	55°	8528.5	9886.8	8592.0	4404.3	2794.1	2737.7	2529.8	2343.1	2318.4	2286.7
7133.3	57.5°	9412.9	10399.5	8398.2	3486.5	2431.2	2468.2	2265.6	2286.7	2242.7	2193.4
8037.0	60°	10380.1	10929.8	8058.2	2649.6	2055.9	2131.7	2196.9	2195.1	2182.8	2142.3
8990.1	62.5°	11250.4	11278.6	7388.7	2029.5	1726.5	1871.0	2048.9	2047.1	2036.6	2013.7
9985.5	65°	11768.4	11225.8	6271.8	1597.9	1455.2	1656.0	1848.1	1862.2	1863.9	1862.2
10734.2	67.5°	11676.8	10607.4	4739.1	1272.0	1231.5	1437.6	1649.0	1668.4	1682.5	1686.0
10829.4	70°	10640.9	9249.1	3090.1	1014.8	1032.4	1245.5	1460.5	1479.9	1492.2	1506.3
9397.1	72.5°	8294.2	6800.3	1768.8	821.0	858.0	1079.9	1273.7	1296.6	1303.7	1330.1
6539.5	75°	5054.4	3999.1	954.9	646.6	704.7	923.1	1088.8	1115.2	1127.5	1159.2
3211.6	77.5°	2403.0	1731.8	544.4	503.9	567.3	754.0	919.6	949.6	916.1	933.7
886.2	80°	812.2	643.0	343.5	384.1	433.4	588.4	736.4	766.4	695.9	692.4
294.2	82.5°	283.6	260.7	218.5	255.5	280.1	421.1	556.7	595.5	517.9	516.2
132.1	85°	111.0	105.7	121.6	139.2	167.4	259.0	366.4	385.8	318.9	257.2
38.8	87.5°	22.9	24.7	29.9	31.7	51.1	89.8	132.1	162.1	128.6	109.2
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°
3798.3
3941.0
4148.9
4388.5
4661.5
4973.4
5357.4
5775.0
6002.2
5884.2
5567.1
5244.7
4962.8
4693.3
4402.6
4092.5
3817.7
3754.3
3585.1
3289.2
2813.5
2424.1
2292.0
2184.5
2128.2
2004.9
1862.2
1689.5
1513.3
1340.7
1162.7
919.6
685.3
491.5
253.7
100.4
0.0

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