

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: P848883

Luminaire Tested: **GLAN-SB5C-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848883  
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-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 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: 25299 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

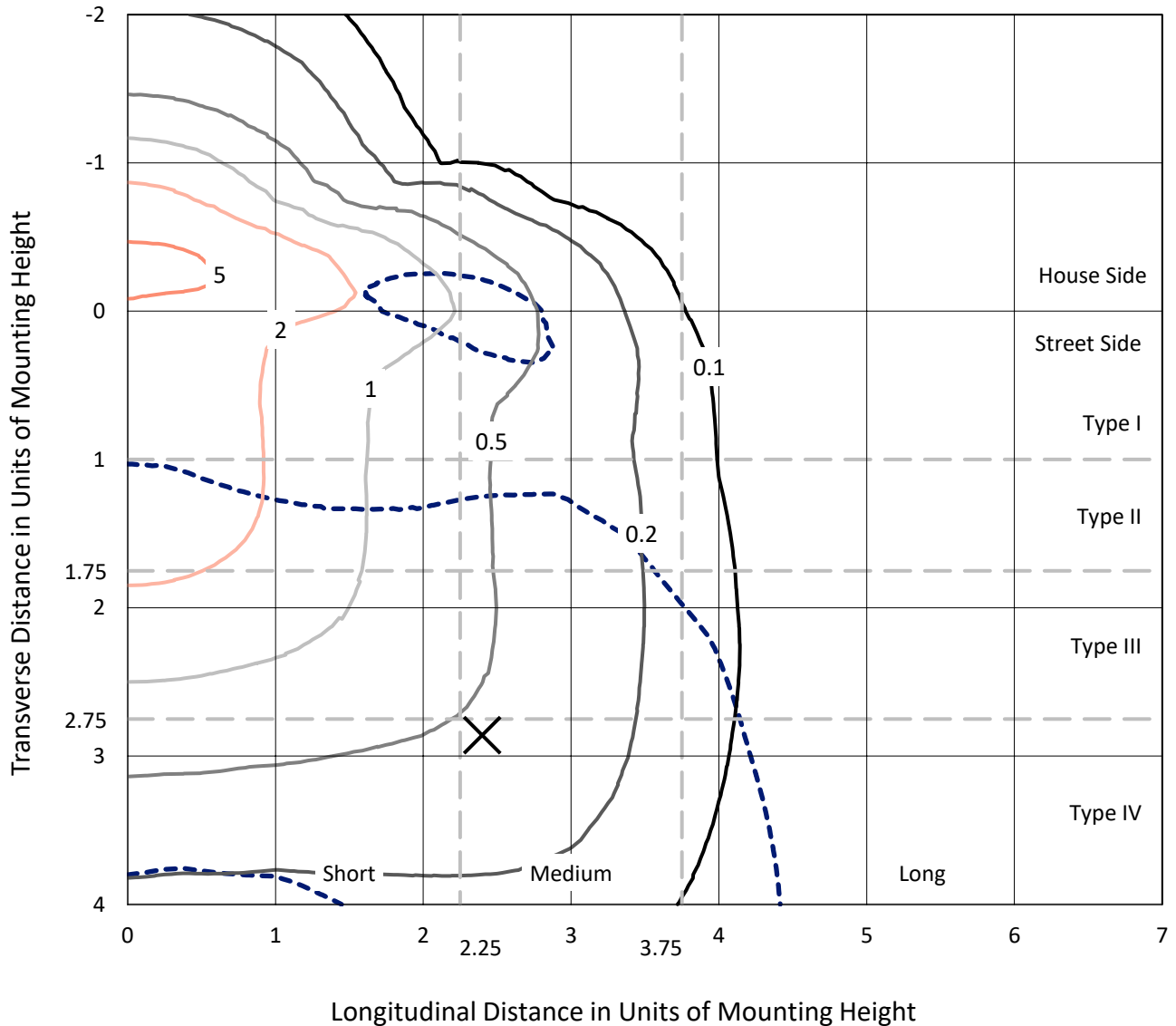
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

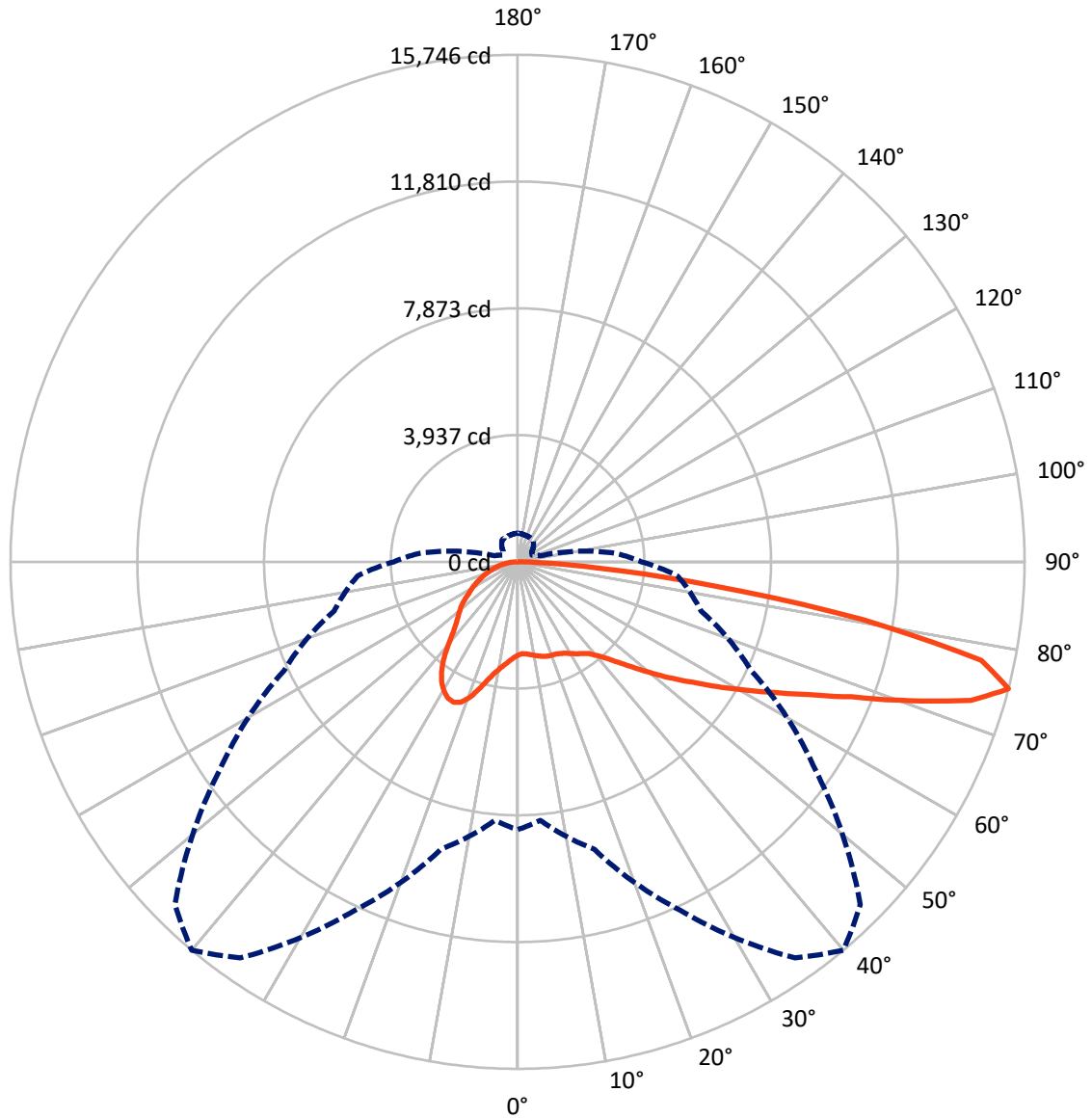
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	7838.5	0.0	7838.5
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	17460.5	0.0	17460.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	25299.0	0.0	25299.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.8	1.1
10°-20°	969.5	3.8
20°-30°	1770.3	7.0
30°-40°	2510.8	9.9
40°-50°	3390.3	13.4
50°-60°	4560.9	18.0
60°-70°	5788.8	22.9
70°-80°	5253.7	20.8
80°-90°	765.8	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°	25299.0	100.0
0°-180°	25299.0	100.0

**Coefficient of Utilization**

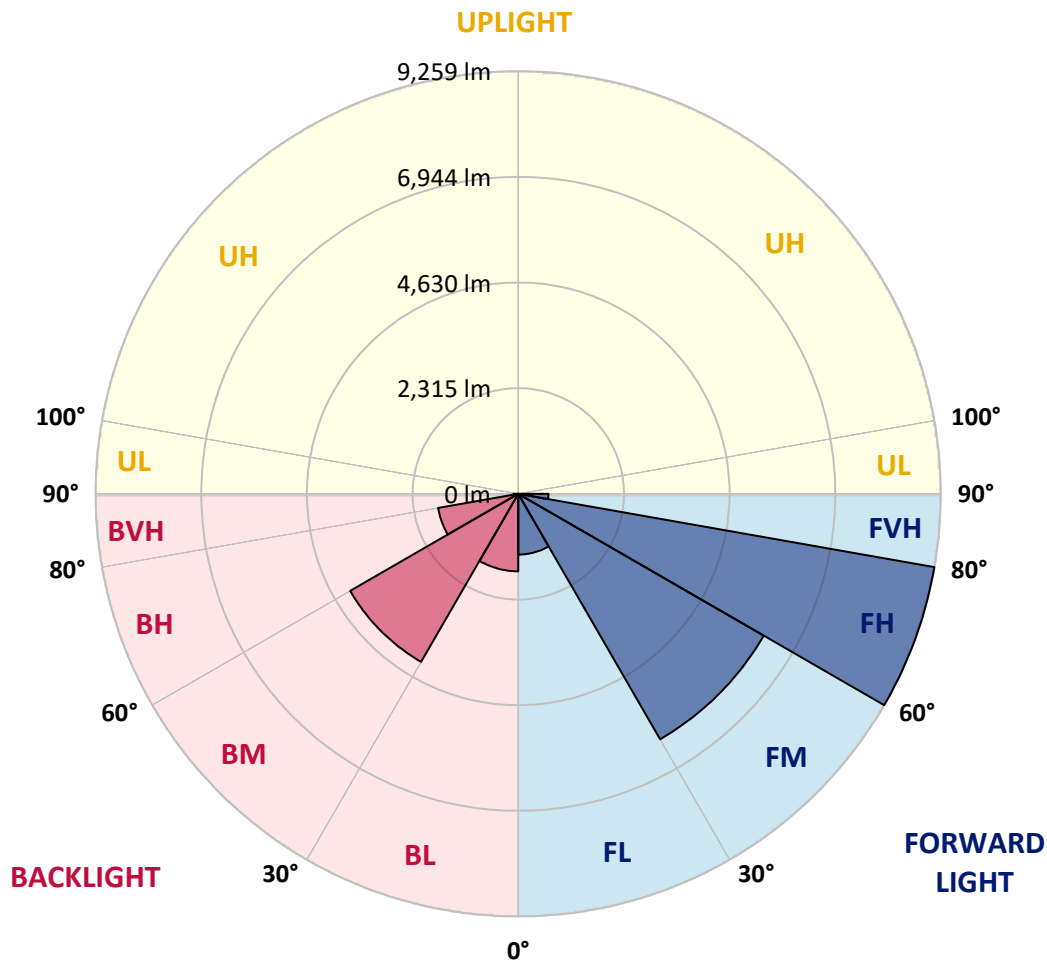


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1330.8	5.3			
FM (30°-60°)	6210.3	24.5			
FH (60°-80°)	9259.0	36.6			G4/12000
FVH (80°-90°)	660.4	2.6			G4/750
BL (0°-30°)	1697.9	6.7	B3/2500		
BM (30°-60°)	4251.7	16.8	B3/5000		
BH (60°-80°)	1783.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	105.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0
2.5°	2848.7	2864.8	2860.8	2855.4	2855.4	2856.7	2855.4	2864.8	2874.2	2883.6
5°	2878.2	2894.3	2886.3	2879.6	2874.2	2872.8	2868.8	2867.5	2872.8	2884.9
7.5°	2935.9	2952.0	2939.9	2927.9	2917.1	2911.8	2906.4	2898.3	2894.3	2901.0
10°	3000.3	3016.4	3001.7	2980.2	2962.7	2956.0	2950.7	2942.6	2937.3	2941.3
12.5°	3064.7	3080.8	3060.7	3031.2	3008.4	3004.3	2997.6	2995.0	2993.6	2992.3
15°	3125.1	3138.5	3113.0	3078.1	3054.0	3047.3	3040.6	3044.6	3051.3	3059.4
17.5°	3172.1	3185.5	3147.9	3102.3	3079.5	3076.8	3072.8	3086.2	3105.0	3125.1
20°	3215.0	3228.4	3180.1	3118.4	3091.6	3091.6	3092.9	3121.1	3147.9	3177.4
22.5°	3275.4	3286.1	3227.1	3142.6	3103.6	3106.3	3117.1	3145.2	3178.8	3219.0
25°	3365.3	3373.3	3300.9	3188.2	3143.9	3151.9	3161.3	3174.8	3207.0	3253.9
27.5°	3510.2	3516.9	3421.7	3268.7	3201.6	3215.0	3228.4	3219.0	3233.8	3274.1
30°	3714.2	3718.2	3597.4	3394.8	3299.5	3306.3	3308.9	3270.0	3241.8	3274.1
32.5°	3955.7	3954.4	3810.8	3547.8	3410.9	3404.2	3381.4	3304.9	3239.2	3267.3
35°	4330.1	4315.3	4130.1	3762.5	3537.1	3495.5	3441.8	3343.8	3252.6	3260.6
37.5°	4950.0	4904.4	4648.1	4114.0	3724.9	3618.9	3539.7	3406.9	3282.1	3258.0
40°	5649.1	5591.4	5309.6	4595.8	4006.7	3836.3	3708.8	3496.8	3330.4	3270.0
42.5°	6478.3	6396.5	6093.2	5163.3	4363.6	4116.7	3924.8	3610.9	3401.5	3308.9
45°	7496.8	7388.1	6958.7	5803.4	4813.1	4484.4	4228.1	3783.9	3510.2	3384.1
47.5°	8526.0	8552.8	7942.3	6536.0	5352.5	4937.9	4607.8	4044.3	3668.5	3504.8
50°	9619.5	9638.3	8920.5	7347.8	5964.4	5450.5	5034.5	4335.4	3888.6	3676.6
52.5°	10472.9	10475.6	9808.7	8197.2	6601.8	6014.1	5494.8	4668.2	4143.6	3904.7
55°	11007.0	11000.3	10431.3	9001.0	7334.4	6605.8	6004.7	5046.6	4454.9	4173.1
57.5°	11394.8	11374.6	10860.7	9692.0	8115.4	7304.9	6581.7	5476.0	4822.5	4492.4
60°	11542.4	11530.3	11151.9	10289.1	8936.6	8077.8	7247.2	5956.4	5239.8	4869.5
62.5°	11598.7	11621.5	11437.7	10867.4	9815.4	8933.9	7978.5	6530.7	5709.5	5296.2
65°	11797.3	11838.9	11801.3	11624.2	10808.4	9936.2	8948.6	7213.7	6222.0	5753.7
67.5°	12190.5	12232.1	12248.2	12530.0	12021.4	11185.5	10159.0	8064.4	6821.8	6228.8
70°	12181.1	12169.0	12453.5	13250.5	13540.4	12915.1	11790.6	9111.0	7537.0	6623.2
72.5°	11087.5	10990.9	11663.1	13242.5	14804.4	14721.2	13783.2	10460.9	8154.3	6671.6
75°	8318.0	8060.3	9247.9	11934.2	15015.0	15746.3	15049.9	11298.2	8008.0	5894.6
77.5°	3557.2	3298.2	4697.7	8834.6	13438.4	14719.8	13887.9	9857.0	6392.5	3898.0
80°	931.2	929.9	1419.7	4005.3	9139.2	10870.1	9536.3	6365.6	3652.4	1392.8
82.5°	385.1	375.7	522.0	1557.9	4465.6	6099.9	4978.2	2839.3	1319.0	377.1
85°	143.6	142.2	253.6	538.1	1575.3	2515.9	1820.9	725.9	328.7	183.8
87.5°	40.3	38.9	55.0	186.5	383.8	582.4	311.3	119.4	92.6	72.5
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°
2893.0	0°	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0	2893.0
2898.3	2.5°	2902.4	2909.1	2921.2	2930.5	2942.6	2956.0	2974.8	2986.9	2999.0	3007.0
2905.1	5°	2914.4	2929.2	2960.1	2990.9	3027.2	3060.7	3099.6	3127.8	3150.6	3157.3
2929.2	7.5°	2941.3	2965.4	3017.8	3070.1	3127.8	3182.8	3239.2	3287.5	3326.4	3341.1
2972.1	10°	2988.2	3020.4	3094.2	3168.0	3244.5	3329.1	3401.5	3471.3	3526.3	3549.1
3023.1	12.5°	3047.3	3087.5	3184.2	3286.1	3392.1	3508.9	3602.8	3688.7	3757.1	3788.0
3094.2	15°	3123.8	3176.1	3299.5	3436.4	3592.1	3754.4	3873.8	3969.1	4045.6	4083.2
3168.0	17.5°	3207.0	3276.7	3432.4	3639.0	3861.8	4075.1	4214.7	4284.4	4363.6	4399.8
3236.5	20°	3287.5	3373.3	3596.1	3896.7	4193.2	4420.0	4532.7	4551.5	4556.8	4560.9
3300.9	22.5°	3370.7	3486.1	3801.4	4221.4	4539.4	4696.4	4712.5	4632.0	4519.3	4466.9
3364.0	25°	3461.9	3614.9	4069.8	4579.6	4837.3	4856.1	4732.6	4536.7	4323.4	4225.4
3414.9	27.5°	3550.5	3763.8	4391.8	4921.8	5052.0	4886.9	4621.2	4343.5	4085.9	3982.5
3451.2	30°	3639.0	3934.2	4747.4	5221.0	5149.9	4810.4	4445.5	4135.5	3876.5	3767.8
3483.4	32.5°	3728.9	4132.8	5156.6	5437.1	5132.5	4648.1	4226.7	3902.0	3673.9	3559.9
3511.6	35°	3830.9	4377.0	5544.4	5555.2	5015.7	4409.2	3938.3	3622.9	3424.3	3333.1
3545.1	37.5°	3963.8	4687.0	5886.6	5584.7	4811.8	4059.0	3580.0	3292.8	3129.1	3087.5
3594.7	40°	4128.8	5060.0	6148.2	5537.7	4509.9	3633.7	3188.2	2958.7	2866.1	2875.5
3661.8	42.5°	4343.5	5477.3	6332.1	5416.9	4089.9	3194.9	2844.7	2742.7	2787.0	2824.5
3762.5	45°	4622.6	5910.7	6446.1	5211.6	3614.9	2823.2	2642.1	2666.2	2699.8	2703.8
3924.8	47.5°	4979.5	6349.5	6521.3	4901.7	3130.5	2561.5	2513.2	2518.6	2511.9	2483.7
4167.7	50°	5425.0	6776.2	6588.4	4491.1	2718.5	2397.8	2333.4	2314.6	2222.1	2130.8
4491.1	52.5°	5932.2	7168.0	6616.5	3981.2	2397.8	2261.0	2156.3	2038.2	1865.1	1837.0
4897.7	55°	6495.8	7530.3	6544.1	3354.6	2128.1	2085.2	1926.9	1784.6	1765.8	1741.7
5433.0	57.5°	7169.4	7920.8	6396.5	2655.5	1851.7	1879.9	1725.6	1741.7	1708.1	1670.6
6121.4	60°	7906.0	8324.7	6137.5	2018.1	1565.9	1623.6	1673.3	1671.9	1662.5	1631.7
6847.3	62.5°	8568.9	8590.4	5627.6	1545.8	1315.0	1425.0	1560.5	1559.2	1551.1	1533.7
7605.5	65°	8963.4	8550.1	4776.9	1217.0	1108.3	1261.3	1407.6	1418.3	1419.7	1418.3
8175.7	67.5°	8893.6	8079.1	3609.5	968.8	937.9	1094.9	1255.9	1270.7	1281.4	1284.1
8248.2	70°	8104.6	7044.6	2353.6	772.9	786.3	948.7	1112.4	1127.1	1136.5	1147.3
7157.3	72.5°	6317.3	5179.4	1347.2	625.3	653.5	822.5	970.1	987.6	993.0	1013.1
4980.9	75°	3849.7	3045.9	727.3	492.4	536.7	703.1	829.2	849.4	858.8	882.9
2446.1	77.5°	1830.2	1319.0	414.6	383.8	432.1	574.3	700.4	723.2	697.7	711.2
674.9	80°	618.6	489.8	261.7	292.5	330.1	448.2	560.9	583.7	530.0	527.3
224.1	82.5°	216.0	198.6	166.4	194.6	213.4	320.7	424.0	453.5	394.5	393.2
100.6	85°	84.5	80.5	92.6	106.0	127.5	197.2	279.1	293.9	242.9	195.9
29.5	87.5°	17.4	18.8	22.8	24.2	38.9	68.4	100.6	123.4	98.0	83.2
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°
2893.0
3001.7
3160.0
3342.5
3550.5
3788.0
4080.5
4398.5
4571.6
4481.7
4240.2
3994.6
3779.9
3574.6
3353.2
3117.1
2907.7
2859.4
2730.6
2505.2
2142.9
1846.4
1745.7
1663.9
1620.9
1527.0
1418.3
1286.8
1152.6
1021.1
885.6
700.4
522.0
374.4
193.2
76.5
0.0

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