

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: P853245

Luminaire Tested: **GLAN-SB9D-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853245  
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-SB9D-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 89897 lumens  
Efficiency: N/A  
Efficacy: 136.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B5 - U0 - G5

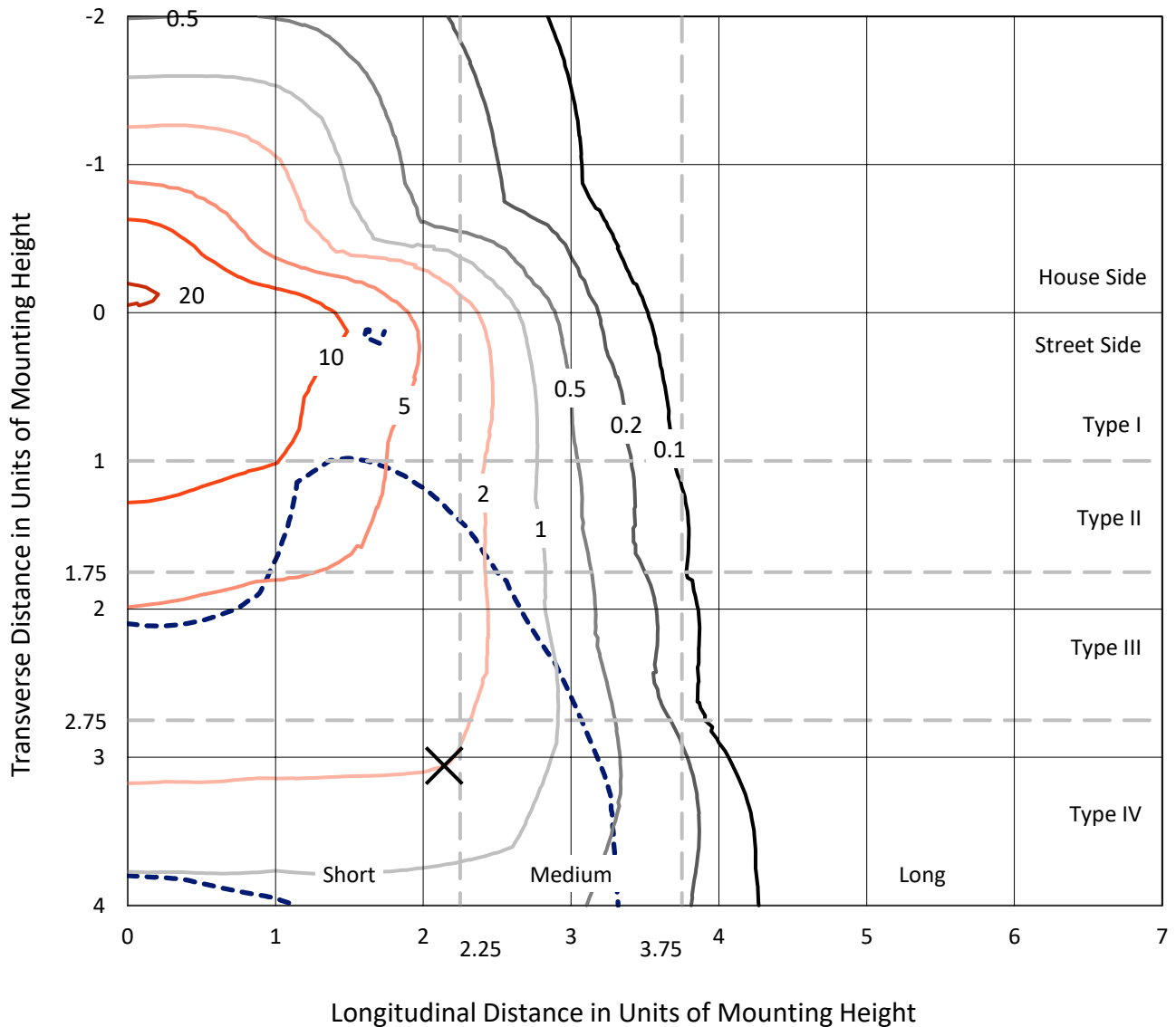
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

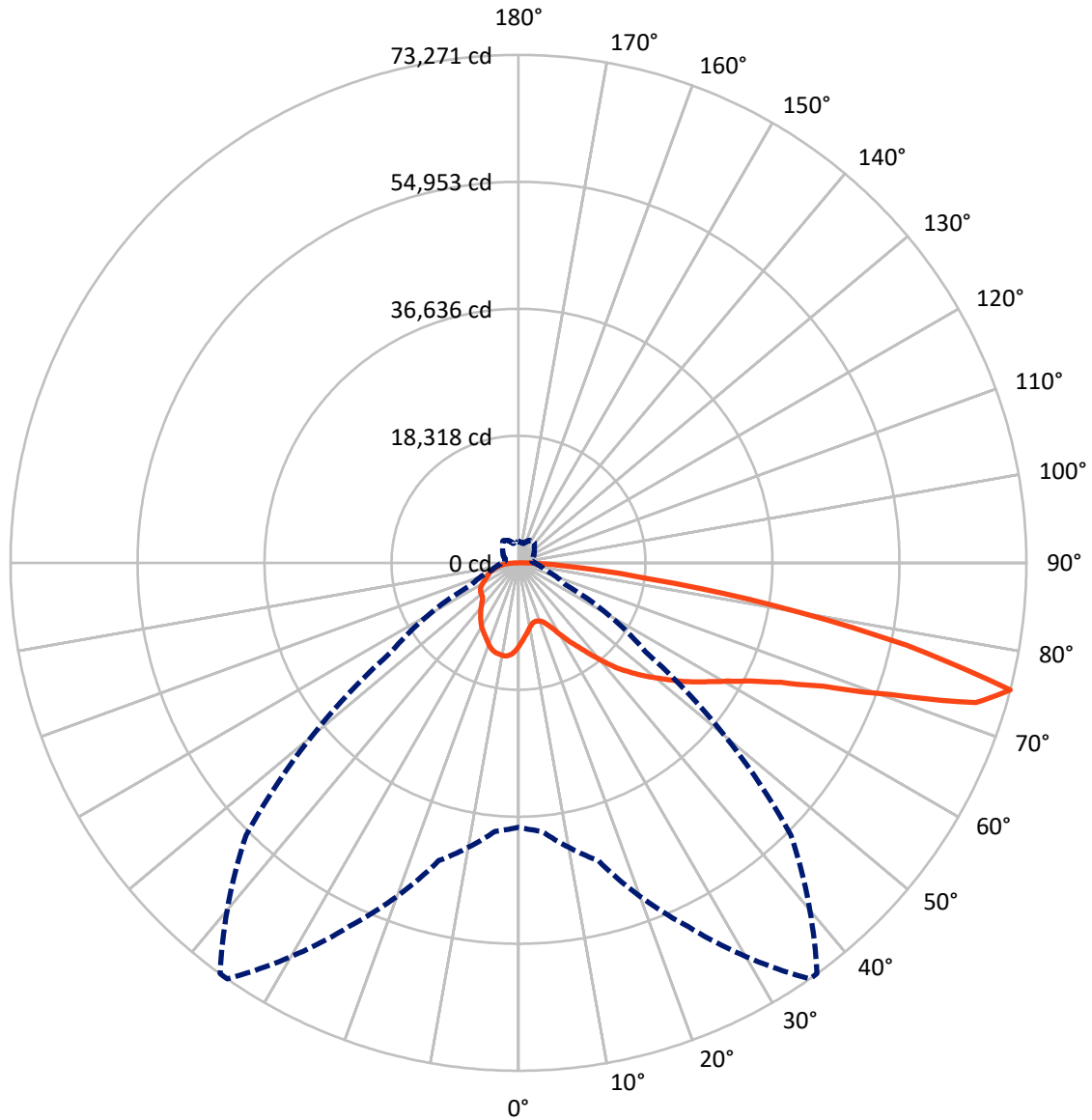
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.2 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	21393.2	0.0	21393.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	68503.8	0.0	68503.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	89897.0	0.0	89897.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1134.2	1.3
10°-20°	3271.6	3.6
20°-30°	5493.8	6.1
30°-40°	8538.1	9.5
40°-50°	12672.8	14.1
50°-60°	17495.6	19.5
60°-70°	21226.1	23.6
70°-80°	17541.8	19.5
80°-90°	2523.0	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°	89897.0	100.0
0°-180°	89897.0	100.0

**Coefficient of Utilization**

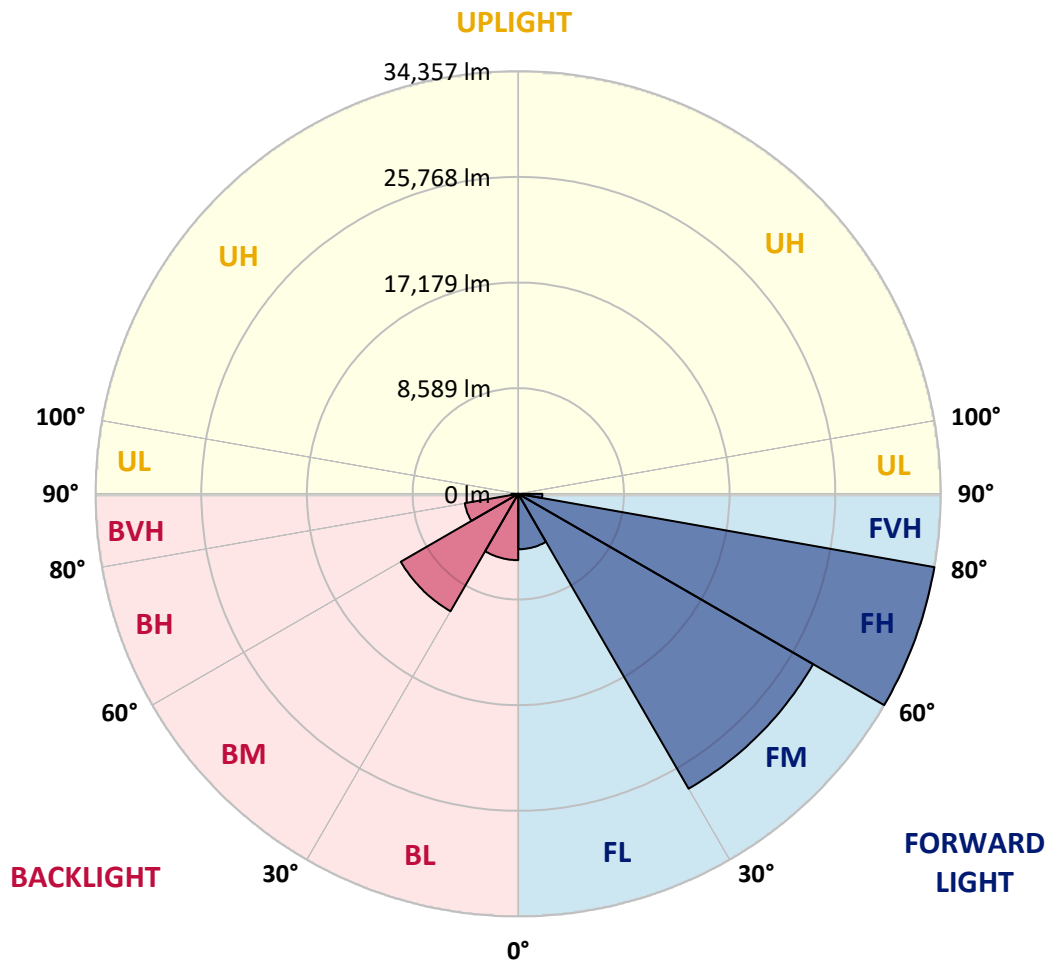


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4508.2	5.0			
FM (30°-60°)	27683.4	30.8			
FH (60°-80°)	34357.3	38.2			G5
FVH (80°-90°)	1954.9	2.2			G5
BL (0°-30°)	5391.4	6.0	B5		
BM (30°-60°)	11023.1	12.3	B5		
BH (60°-80°)	4410.6	4.9	B4/5000		G4/5000
BVH (80°-90°)	568.1	0.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4
2.5°	11046.3	11114.3	11143.5	11128.9	11201.8	11192.1	11294.2	11420.5	11595.5	11765.6
5°	10195.8	10268.7	10331.9	10390.2	10531.2	10574.9	10735.3	10978.3	11299.0	11624.6
7.5°	9403.7	9466.9	9564.1	9671.0	9909.1	9952.9	10220.1	10599.2	11046.3	11522.6
10°	8757.3	8820.5	8922.6	9044.1	9340.5	9394.0	9734.2	10239.6	10822.8	11425.4
12.5°	8480.3	8499.8	8558.1	8679.6	8937.2	8971.2	9345.4	9923.7	10604.1	11352.5
15°	8465.8	8504.6	8509.5	8572.7	8786.5	8801.1	9146.1	9719.6	10468.0	11337.9
17.5°	8611.5	8640.7	8597.0	8635.8	8815.7	8840.0	9112.1	9622.4	10424.3	11401.1
20°	9000.3	9024.6	8893.4	8840.0	8971.2	8990.6	9257.9	9685.6	10468.0	11532.3
22.5°	9826.5	9841.1	9520.3	9301.6	9311.4	9321.1	9554.3	9943.1	10638.1	11770.4
25°	11114.3	11104.6	10594.3	10171.5	9928.6	9875.1	10030.6	10361.1	10924.8	12086.3
27.5°	12620.9	12548.0	12037.7	11405.9	10876.2	10798.5	10764.4	10905.4	11333.0	12504.2
30°	14321.8	14253.8	13704.6	12878.4	12144.6	12018.3	11697.5	11624.6	11940.5	13072.8
32.5°	16188.0	16144.2	15488.2	14487.0	13505.4	13359.6	12820.1	12625.7	12873.6	13933.0
35°	17752.8	17713.9	17169.6	16139.4	14939.0	14759.2	14210.0	13991.3	14117.7	15036.2
37.5°	19167.0	19147.6	18681.0	17869.4	16630.2	16411.5	15794.3	15721.4	15697.1	16489.3
40°	20479.2	20430.6	19944.6	19516.9	18598.4	18399.2	17854.9	17791.7	17607.0	18277.7
42.5°	21932.2	21805.9	21101.2	20902.0	20654.1	20488.9	20163.3	20173.0	19764.8	20294.5
45°	23118.0	23045.1	22321.0	22204.4	22471.7	22403.6	22685.5	22758.4	21966.3	22408.5
47.5°	24391.3	24323.3	23710.9	23628.3	24352.4	24371.8	25368.1	25392.4	24114.3	24605.1
50°	25961.0	25863.8	25256.3	25358.4	26170.0	26242.9	28065.3	27900.1	26092.2	26835.8
52.5°	26996.1	27054.5	26923.2	27088.5	28196.5	28264.5	30718.7	30295.9	28050.7	29037.2
55°	27759.1	27875.8	28284.0	28663.0	30334.8	30402.8	33221.5	32575.2	29673.9	31078.4
57.5°	28740.8	28575.6	29338.6	30077.2	32366.2	32546.0	35656.3	34771.8	31112.4	32837.6
60°	30150.1	30033.5	30626.4	31719.9	34640.6	34927.3	38232.0	36749.7	32167.0	34232.4
62.5°	33007.7	32716.1	32808.4	33775.5	37507.9	37886.9	41138.1	38475.0	32691.8	34776.7
65°	37279.5	36778.9	36312.4	36983.0	41546.3	41920.6	44418.5	39830.8	32497.4	33722.1
67.5°	42659.2	42163.5	41590.1	42221.9	47494.7	47791.2	48466.7	40593.8	30966.6	29659.3
70°	47096.2	46911.6	47596.8	50196.8	56995.6	57005.3	53656.9	39962.1	26772.6	21028.3
72.5°	46508.2	46396.4	50007.2	58045.3	68970.1	68712.6	58570.2	35180.0	18034.7	9486.3
75°	38154.2	38878.3	44471.9	57904.4	73271.1	73237.0	55562.0	22364.8	7459.8	3931.6
77.5°	20459.7	21606.6	28872.0	42751.6	57199.7	58059.9	39063.0	7824.3	3202.6	2517.4
80°	6672.5	7673.6	11508.0	21767.0	37167.7	37007.3	16742.0	3071.4	2191.8	1783.5
82.5°	2833.3	2949.9	5141.7	10278.5	19074.7	18778.2	5331.2	1764.1	1540.6	1219.8
85°	1108.0	1239.2	2269.5	4752.9	8261.6	8081.8	1924.5	874.8	986.5	797.0
87.5°	364.5	442.2	811.6	1628.0	2570.8	2478.5	471.4	301.3	427.7	364.5
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°
11979.4	0°	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4	11979.4
12013.4	2.5°	12081.4	12159.2	12251.5	12387.6	12504.2	12601.4	12703.5	12766.7	12791.0	12863.9
12032.8	5°	12168.9	12339.0	12567.4	12791.0	13009.7	13140.9	13257.5	13315.8	13369.3	13408.2
12086.3	7.5°	12314.7	12533.4	12893.0	13184.6	13369.3	13476.2	13554.0	13534.5	13554.0	13563.7
12144.6	10°	12441.1	12747.2	13174.9	13451.9	13592.8	13597.7	13578.3	13510.2	13476.2	13481.1
12232.1	12.5°	12591.7	12931.9	13393.6	13626.9	13665.7	13558.8	13476.2	13359.6	13315.8	13296.4
12363.3	15°	12795.8	13184.6	13631.7	13719.2	13622.0	13485.9	13345.0	13155.5	13058.3	12980.5
12586.9	17.5°	13043.7	13471.3	13816.4	13753.2	13544.2	13320.7	13092.3	12805.5	12606.3	12523.7
12893.0	20°	13388.7	13772.6	13957.3	13680.3	13364.4	13024.2	12635.5	12285.6	12100.9	12018.3
13281.8	22.5°	13806.7	14176.0	14093.4	13554.0	13106.9	12562.6	12076.6	11819.0	11726.7	11668.4
13782.4	25°	14307.2	14623.1	14190.6	13369.3	12684.1	11950.2	11576.0	11493.4	11449.7	11405.9
14394.7	27.5°	14958.4	15128.5	14263.5	13097.1	12023.1	11299.0	11162.9	11177.5	11162.9	11090.0
15245.2	30°	15818.6	15784.6	14331.5	12654.9	11265.0	10711.0	10720.7	10783.9	10793.6	10745.0
16431.0	32.5°	16950.9	16605.9	14365.5	12081.4	10540.9	10195.8	10205.6	10273.6	10322.2	10239.6
17981.2	35°	18321.4	17563.3	14312.1	11362.2	9982.0	9705.0	9632.1	9651.5	9666.1	9588.4
19862.0	37.5°	19920.3	18637.3	14074.0	10565.2	9520.3	9223.9	9068.4	8937.2	8859.4	8786.5
21990.6	40°	21674.7	19808.5	13636.6	9787.6	9005.2	8713.6	8480.3	8232.5	7970.1	7872.9
24245.5	42.5°	23511.7	21013.7	13106.9	9044.1	8412.3	8174.2	7926.3	7566.7	7173.1	6973.8
26587.9	45°	25416.7	22248.1	12586.9	8310.2	7804.8	7702.8	7416.0	6983.5	6555.9	6303.1
28935.2	47.5°	27282.9	23414.5	11823.9	7571.6	7236.2	7348.0	7124.5	6725.9	6249.7	5851.2
31263.0	50°	29066.4	24507.9	10574.9	6823.1	6774.5	7241.1	7027.3	6453.8	5909.5	5399.2
33547.1	52.5°	30835.4	25392.4	8976.0	6142.8	6526.7	7211.9	6900.9	6269.1	5603.3	5068.8
35695.2	55°	32337.0	25849.2	7435.5	5559.6	6167.1	6964.1	6750.2	6050.4	5170.8	4602.2
37167.7	57.5°	33192.4	25479.9	6152.5	4986.1	5671.4	6555.9	6492.7	5583.9	4655.7	4218.3
37454.4	60°	32823.0	23983.1	5102.8	4485.6	5200.0	6113.6	6045.6	5122.2	4262.0	3849.0
35918.7	62.5°	30786.8	21130.4	4271.8	4048.2	4772.3	5661.7	5598.5	4767.5	3960.7	3562.2
31841.3	65°	26685.1	17189.1	3625.4	3683.7	4339.8	5117.4	5209.7	4471.0	3722.6	3333.8
24634.3	67.5°	20352.8	12450.8	3120.0	3367.8	3917.0	4582.8	4850.1	4257.2	3523.3	3154.0
14253.8	70°	11600.3	7071.0	2692.3	3061.7	3542.8	4087.1	4573.1	4087.1	3309.5	3003.4
5340.9	72.5°	4398.1	3246.3	2327.8	2755.5	3183.2	3669.1	4266.9	3819.8	3061.7	2833.3
2760.4	75°	2347.3	1977.9	1958.5	2395.9	2770.1	3260.9	3883.0	3557.4	2877.0	2993.6
1909.9	77.5°	1598.9	1399.6	1637.7	2050.8	2318.1	2809.0	3474.8	3158.9	2493.1	2483.4
1321.9	80°	1108.0	991.4	1331.6	1652.3	1793.3	2361.9	3032.5	2711.8	2031.4	1895.3
816.4	82.5°	665.8	646.4	996.3	1234.4	1268.4	1822.4	2512.5	2274.4	1662.0	1448.2
486.0	85°	364.5	383.9	636.6	724.1	738.7	1273.3	1968.2	1759.2	1278.1	1074.0
175.0	87.5°	102.1	131.2	233.3	286.7	354.8	660.9	1171.2	1044.9	641.5	447.1
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°
11979.4
12859.0
13417.9
13578.3
13490.8
13286.7
13004.8
12528.5
12008.5
11678.1
11405.9
11104.6
10769.3
10278.5
9641.8
8835.1
7916.6
6998.1
6283.7
5807.4
5355.5
5010.4
4553.6
4160.0
3790.6
3499.0
3270.6
3095.7
2964.5
2794.4
3090.8
2289.0
1812.7
1457.9
1083.7
447.1
0.0

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