

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: P848368

Luminaire Tested: **GLAN-SB4D-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26281 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

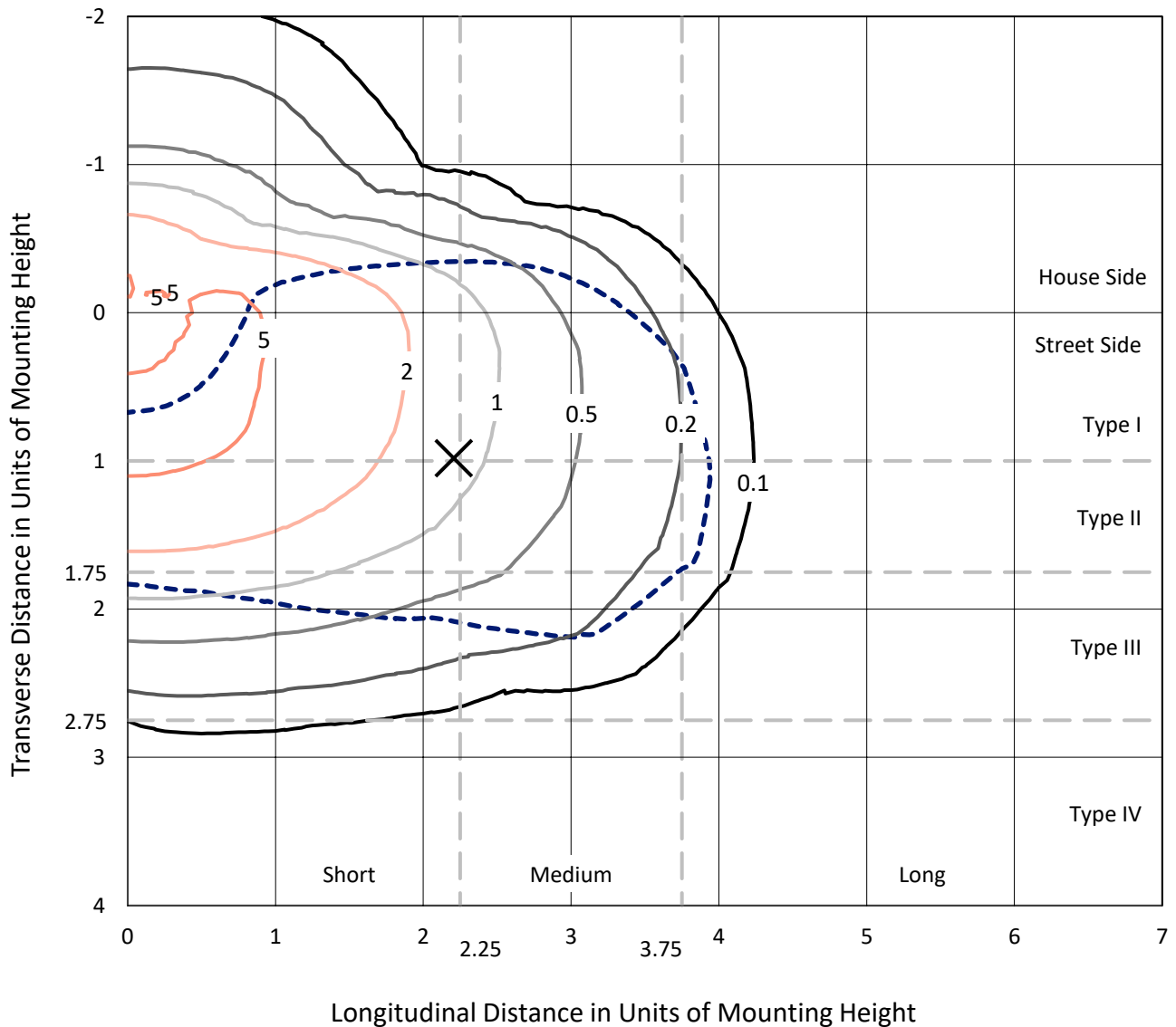
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

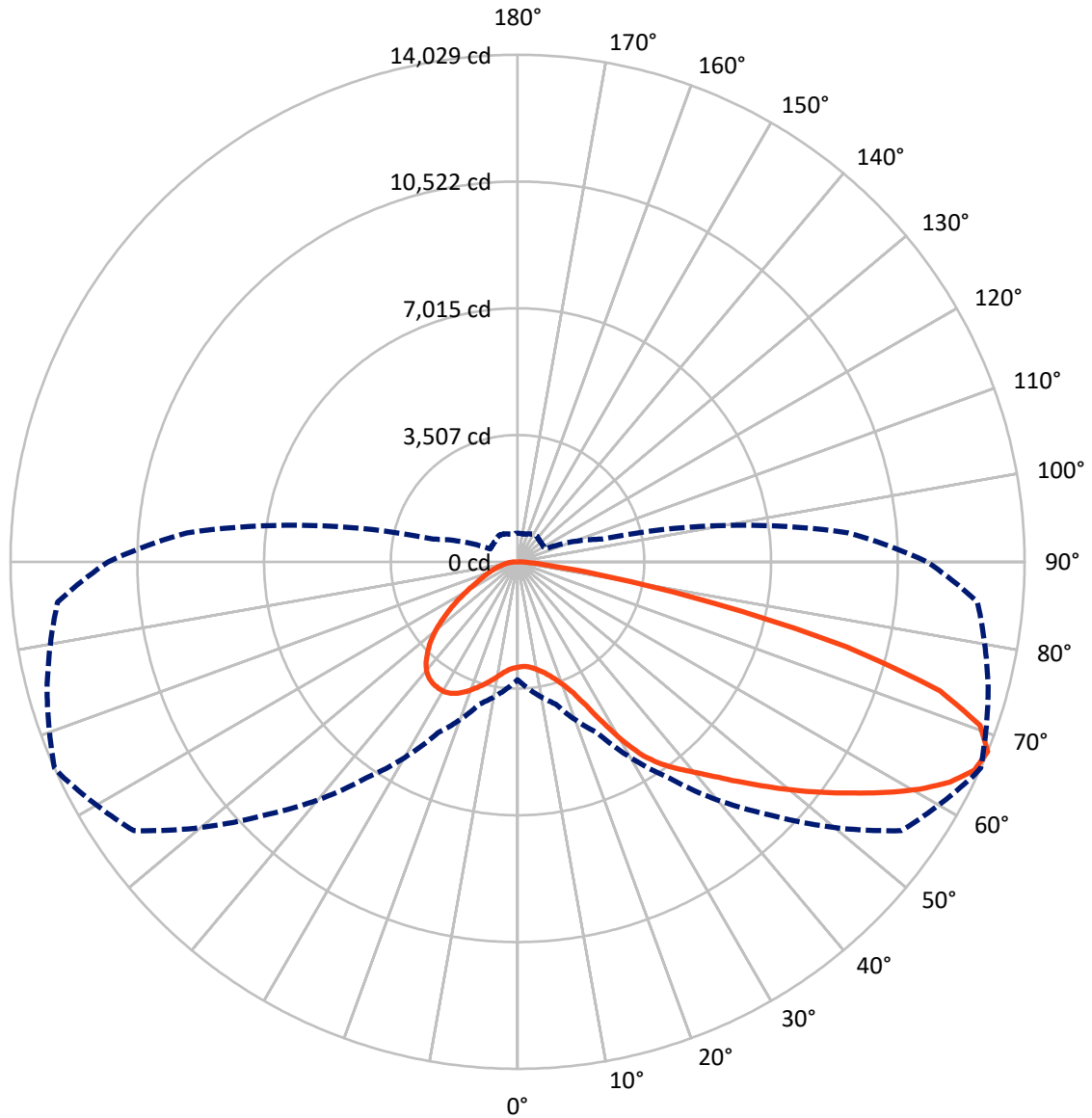
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6534.7	0.0	6534.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19746.3	0.0	19746.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	26281.0	0.0	26281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.0	1.1
10°-20°	954.8	3.6
20°-30°	1840.4	7.0
30°-40°	3226.9	12.3
40°-50°	4797.3	18.3
50°-60°	6081.0	23.1
60°-70°	5950.1	22.6
70°-80°	2838.3	10.8
80°-90°	303.3	1.2
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°	26281.0	100.0
0°-180°	26281.0	100.0

Coefficient of Utilization



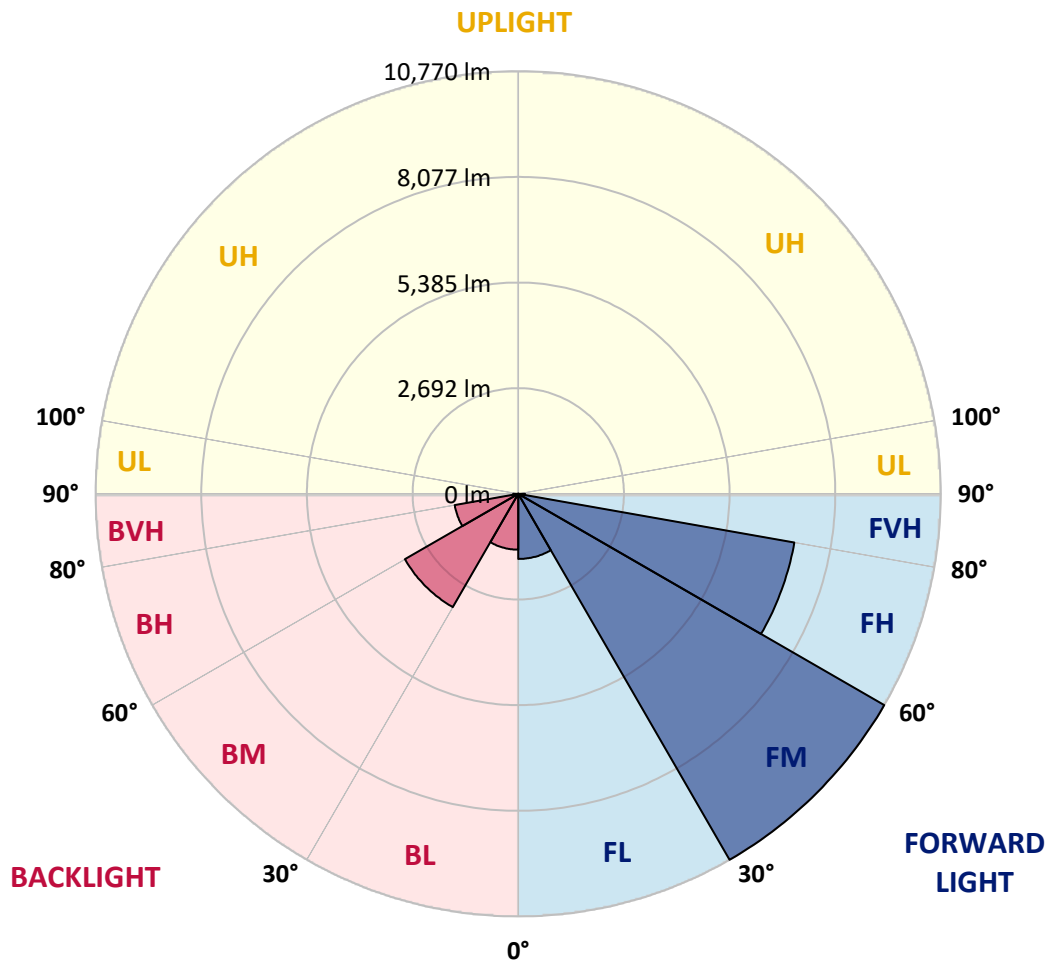
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1660.7	6.3			
FM (30°-60°)	10769.7	41.0			
FH (60°-80°)	7143.9	27.2			G3/7500
FVH (80°-90°)	172.0	0.7			G2/225
BL (0°-30°)	1423.5	5.4	B3/2500		
BM (30°-60°)	3335.4	12.7	B3/5000		
BH (60°-80°)	1644.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	131.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9
2.5°	2884.5	2901.1	2897.0	2890.1	2888.7	2891.4	2895.6	2899.7	2898.3	2905.2
5°	2876.2	2892.8	2891.4	2891.4	2897.0	2908.0	2914.9	2921.8	2914.9	2923.2
7.5°	2881.8	2894.2	2899.7	2905.2	2919.1	2939.8	2956.3	2971.5	2963.2	2972.9
10°	2952.2	2961.9	2967.4	2967.4	2977.0	3000.5	3017.1	3044.7	3037.8	3053.0
12.5°	3080.6	3090.3	3090.3	3084.8	3091.7	3106.8	3112.4	3142.7	3130.3	3155.2
15°	3238.0	3257.4	3242.2	3232.5	3235.3	3250.4	3249.1	3272.5	3260.1	3280.8
17.5°	3412.0	3436.9	3412.0	3410.6	3405.1	3421.7	3423.1	3443.8	3421.7	3436.9
20°	3617.7	3652.3	3631.6	3638.5	3626.0	3632.9	3639.8	3670.2	3635.7	3646.7
22.5°	3907.7	3949.1	3927.1	3953.3	3945.0	3939.5	3938.1	3991.9	3938.1	3942.2
25°	4330.3	4380.0	4341.3	4377.2	4377.2	4395.1	4415.9	4484.9	4395.1	4368.9
27.5°	4954.4	5004.1	4928.1	4950.2	4943.3	4987.5	4965.4	5136.6	5040.0	4997.2
30°	5705.5	5793.9	5650.3	5644.8	5637.9	5708.3	5740.1	5853.3	5755.3	5712.5
32.5°	6517.5	6610.0	6438.8	6389.1	6362.8	6405.6	6379.4	6470.5	6402.9	6336.6
35°	7376.3	7467.5	7304.5	7207.9	7102.9	7013.2	6919.3	6942.8	6879.2	6778.4
37.5°	8188.3	8355.3	8182.7	8079.2	7885.9	7710.5	7448.1	7339.1	7279.7	7187.2
40°	9015.4	9110.6	8979.5	8891.1	8681.2	8406.4	7986.7	7756.1	7676.0	7586.2
42.5°	9624.3	9715.4	9645.0	9584.3	9420.0	9101.0	8558.3	8269.7	8153.7	8052.9
45°	10107.6	10175.3	10131.1	10153.2	10082.7	9773.4	9150.7	8820.7	8700.5	8577.7
47.5°	10302.3	10374.1	10444.5	10575.7	10695.8	10468.0	9787.2	9417.2	9290.2	9164.5
50°	10280.2	10353.4	10557.7	10836.7	11209.5	11133.5	10458.3	10052.4	9935.0	9791.4
52.5°	10103.5	10186.3	10448.7	10912.6	11506.4	11632.0	11141.8	10708.3	10597.8	10426.6
55°	9639.5	9689.2	10082.7	10740.0	11576.8	11980.0	11811.5	11407.0	11296.5	11057.6
57.5°	8779.3	8851.1	9424.1	10274.7	11400.0	12216.1	12399.8	12141.5	12035.2	11691.4
60°	7656.6	7771.3	8427.1	9493.1	10949.9	12214.7	12934.1	12863.7	12775.3	12315.5
62.5°	6386.3	6518.8	7149.9	8388.5	10162.8	11868.1	13268.3	13468.5	13422.9	12891.3
65°	4904.7	4995.8	5624.1	6959.3	8938.0	11123.9	13307.0	13881.4	13889.7	13329.1
67.5°	3265.6	3528.0	4073.4	5222.3	7297.6	9907.4	12967.3	13949.0	14029.1	13479.6
70°	1593.5	1938.7	2473.0	3394.1	5222.3	8041.9	12079.4	13394.0	13572.1	13040.5
72.5°	661.4	773.3	1064.6	1674.9	2997.8	5426.6	10295.4	11888.9	12218.9	11554.7
75°	446.0	483.3	608.9	858.9	1365.6	2676.0	7424.7	8864.9	9396.5	8726.8
77.5°	343.8	367.3	443.2	600.7	811.9	1012.1	3974.0	5342.4	5617.2	5200.2
80°	270.6	288.6	331.4	437.7	575.8	541.3	1354.6	2420.6	2579.4	2163.7
82.5°	234.7	241.6	237.5	296.9	382.5	316.2	444.6	893.4	985.9	715.3
85°	169.8	189.2	197.5	183.6	203.0	160.2	182.3	316.2	348.0	310.7
87.5°	69.0	102.2	125.7	118.8	74.6	45.6	56.6	92.5	106.3	116.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2914.9	0°	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9	2914.9
2916.3	2.5°	2917.7	2927.3	2934.2	2942.5	2948.0	2956.3	2972.9	2982.6	2984.0	2990.9
2938.4	5°	2943.9	2957.7	2972.9	2995.0	3019.9	3040.6	3072.3	3094.4	3102.7	3109.6
2992.2	7.5°	3000.5	3019.9	3047.5	3086.1	3122.0	3149.6	3188.3	3214.5	3240.8	3250.4
3077.8	10°	3084.8	3112.4	3152.4	3204.9	3243.5	3279.4	3319.5	3341.6	3367.8	3378.9
3180.0	12.5°	3189.7	3218.7	3271.2	3344.3	3380.2	3405.1	3418.9	3413.4	3418.9	3428.6
3302.9	15°	3309.8	3341.6	3401.0	3479.7	3504.5	3482.4	3452.0	3424.4	3420.3	3423.1
3452.0	17.5°	3452.0	3475.5	3544.6	3610.8	3592.9	3501.8	3435.5	3391.3	3369.2	3362.3
3642.6	20°	3650.9	3650.9	3707.5	3748.9	3628.8	3474.1	3370.6	3298.8	3253.2	3233.9
3902.2	22.5°	3892.5	3870.4	3906.3	3877.3	3621.9	3396.8	3253.2	3128.9	3059.9	3032.3
4265.4	25°	4199.1	4172.8	4163.2	3983.7	3572.2	3273.9	3040.6	2890.1	2829.3	2814.1
4788.7	27.5°	4661.6	4595.4	4469.7	4041.7	3481.0	3080.6	2792.0	2652.6	2618.0	2619.4
5461.1	30°	5277.5	5144.9	4837.0	4051.3	3331.9	2807.2	2537.9	2438.5	2422.0	2428.9
6025.9	32.5°	5847.8	5722.1	5212.6	4007.1	3102.7	2539.3	2310.1	2243.8	2219.0	2227.3
6456.7	35°	6295.2	6260.6	5560.6	3945.0	2821.0	2288.0	2105.7	2049.1	2000.8	1989.8
6862.7	37.5°	6717.7	6703.9	5821.5	3858.0	2542.1	2109.9	1941.4	1866.9	1796.4	1757.8
7311.4	40°	7181.6	7167.8	5992.8	3724.1	2294.9	1955.2	1793.7	1695.6	1608.7	1538.2
7819.6	42.5°	7703.6	7622.1	6074.2	3532.1	2085.0	1824.1	1673.6	1541.0	1426.4	1361.5
8394.0	45°	8273.9	8090.2	6072.8	3287.7	1908.3	1703.9	1545.1	1357.3	1251.0	1190.3
8983.6	47.5°	8878.7	8537.6	5998.3	3017.1	1737.1	1571.4	1346.3	1202.7	1132.3	1095.0
9624.3	50°	9502.8	8956.0	5871.2	2706.4	1561.7	1420.9	1222.0	1124.0	1070.1	1035.6
10259.5	52.5°	10089.6	9335.7	5718.0	2354.3	1383.6	1274.5	1166.8	1090.8	1034.2	995.6
10875.3	55°	10635.1	9663.0	5501.2	1993.9	1238.6	1176.5	1140.6	1077.0	1012.1	966.6
11500.8	57.5°	11119.7	9875.6	5127.0	1655.6	1135.0	1108.8	1112.9	1053.6	979.0	940.3
12116.7	60°	11522.9	10031.7	4573.3	1342.2	1050.8	1042.5	1070.1	1009.4	922.4	878.2
12637.3	62.5°	11764.6	10028.9	3893.9	1099.1	979.0	981.8	1013.5	954.1	865.8	824.3
12909.3	65°	11743.9	9783.1	3148.3	940.3	910.0	912.7	954.1	893.4	818.8	794.0
12772.6	67.5°	11328.2	9183.8	2415.1	836.8	834.0	846.4	894.8	852.0	789.8	787.1
11957.9	70°	10202.9	7939.7	1739.8	753.9	755.3	773.3	836.8	825.7	774.6	780.2
10053.7	72.5°	8181.4	6053.5	1168.2	666.9	668.3	697.3	781.5	805.0	759.5	832.6
7133.3	75°	5448.7	3775.2	751.2	574.4	575.8	613.1	733.2	765.0	718.0	829.9
3711.6	77.5°	2618.0	1697.0	544.0	483.3	483.3	517.8	633.8	684.9	611.7	644.8
1193.0	80°	904.4	637.9	428.1	389.4	381.1	404.6	534.4	593.8	527.5	486.0
389.4	82.5°	356.3	331.4	343.8	302.4	274.8	290.0	415.6	490.2	388.0	350.7
219.6	85°	204.4	215.4	243.0	200.2	158.8	178.1	305.2	352.1	292.7	258.2
71.8	87.5°	55.2	75.9	111.8	103.6	71.8	75.9	145.0	194.7	168.5	129.8
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°
2914.9
2989.5
3108.2
3251.8
3384.4
3431.3
3432.7
3372.0
3229.7
3028.1
2816.9
2623.6
2452.3
2238.3
1998.0
1759.2
1545.1
1365.6
1187.5
1086.7
1023.2
979.0
948.6
915.5
858.9
811.9
792.6
791.2
778.8
843.7
836.8
591.0
455.7
349.3
263.7
133.9
0.0

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