

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: P848878

Luminaire Tested: **GLAN-SB5C-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848878
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-SB5C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24379 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

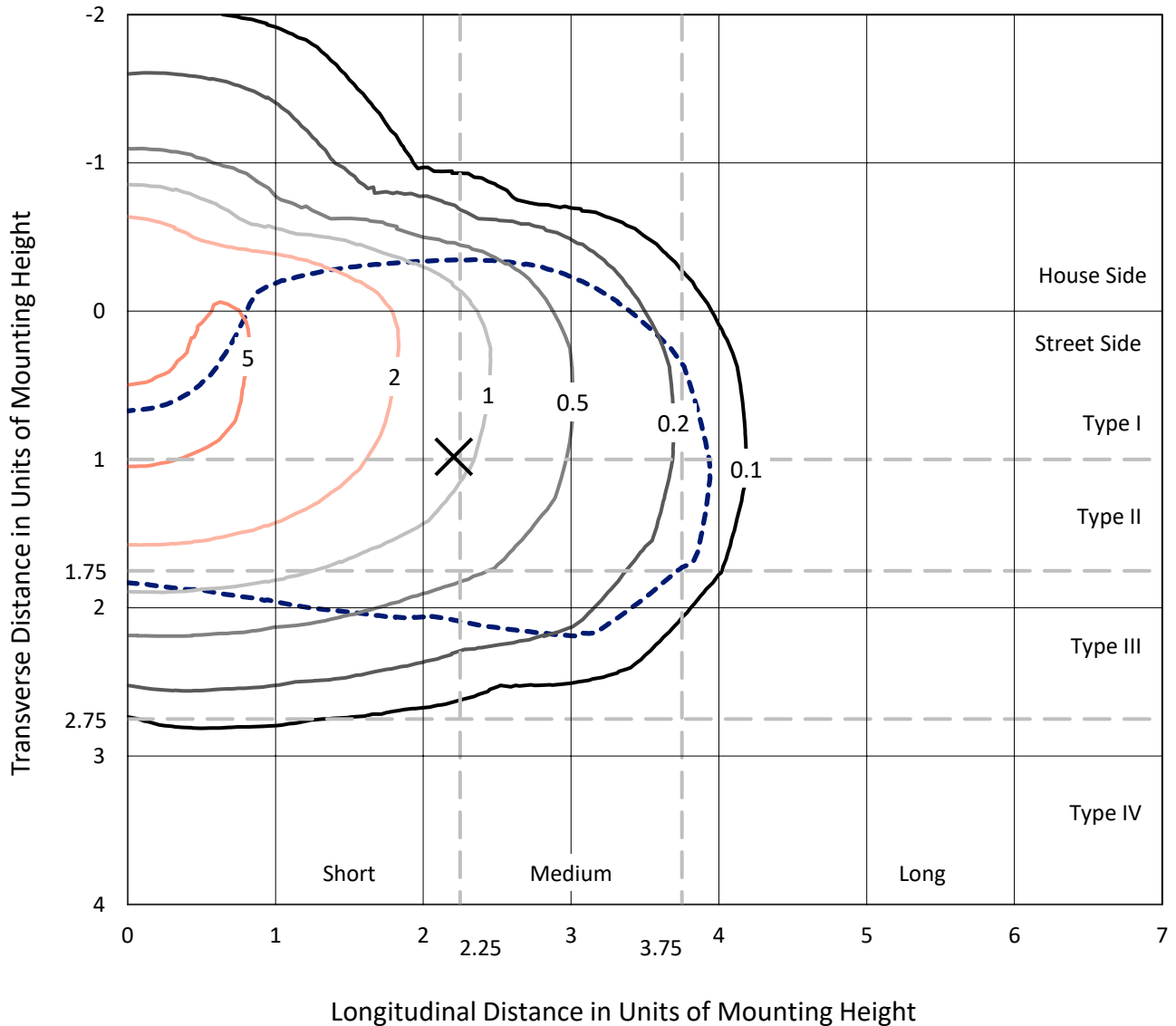
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

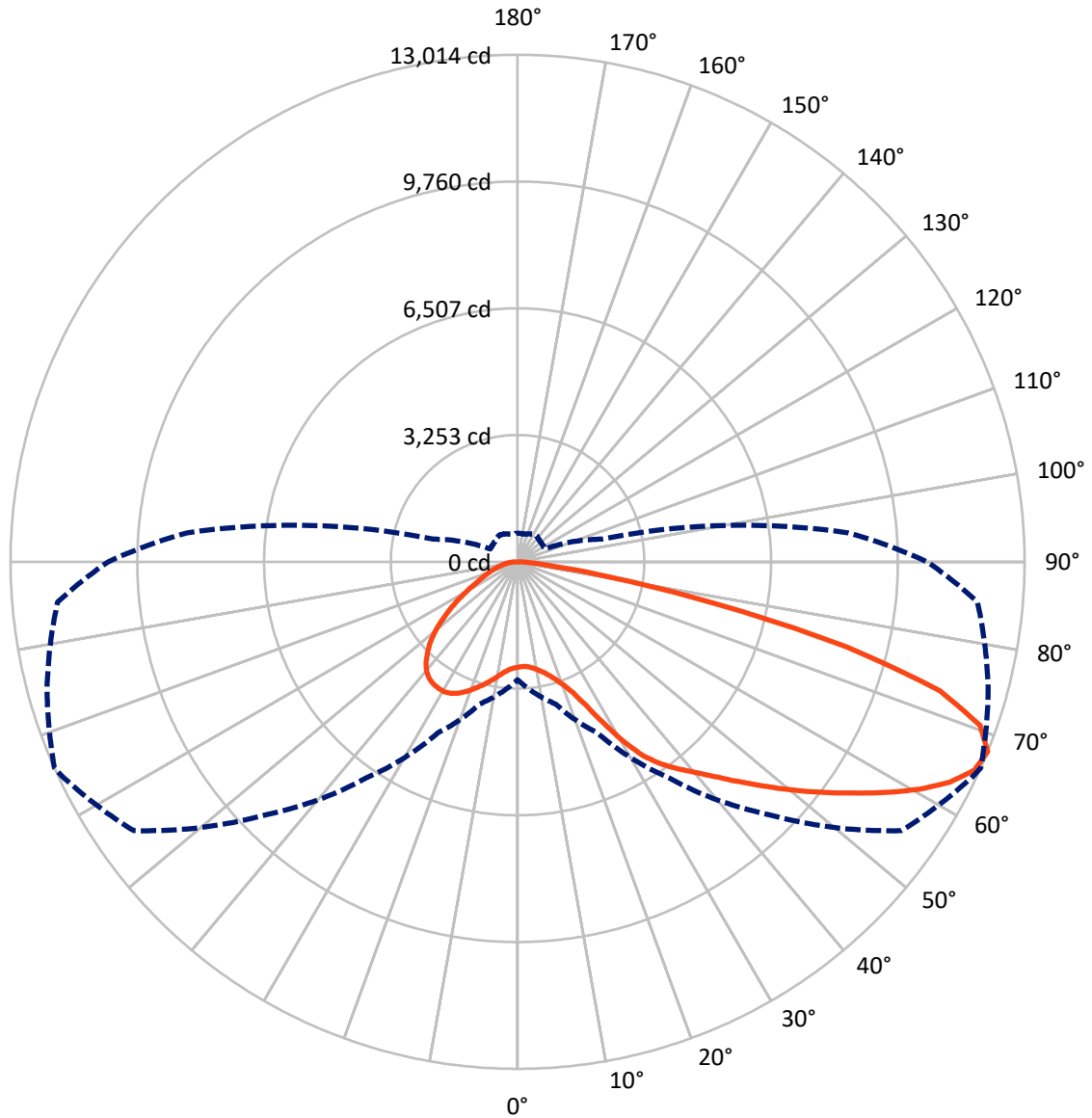
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	6061.8	0.0	6061.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18317.2	0.0	18317.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	24379.0	0.0	24379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.1	1.1
10°-20°	885.7	3.6
20°-30°	1707.2	7.0
30°-40°	2993.3	12.3
40°-50°	4450.1	18.3
50°-60°	5640.9	23.1
60°-70°	5519.5	22.6
70°-80°	2632.8	10.8
80°-90°	281.4	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°	24379.0	100.0
0°-180°	24379.0	100.0

Coefficient of Utilization



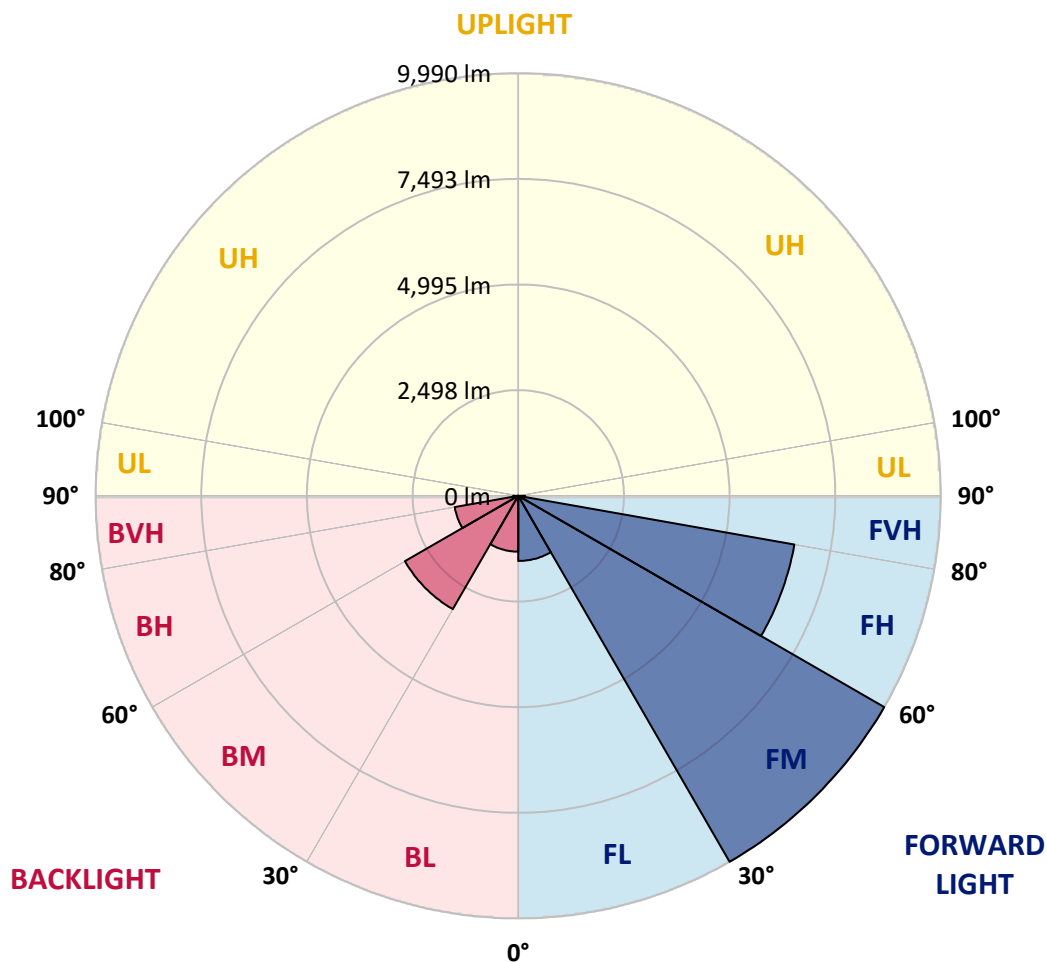
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1540.5	6.3			
FM	(30°-60°)	9990.3	41.0			
FH	(60°-80°)	6626.9	27.2			G3/7500
FVH	(80°-90°)	159.5	0.7			G2/225
BL	(0°-30°)	1320.5	5.4	B3/2500		
BM	(30°-60°)	3094.0	12.7	B3/5000		
BH	(60°-80°)	1525.5	6.3	B3/2500		G3/2500
BVH	(80°-90°)	121.8	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°	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0
2.5°	2675.8	2691.1	2687.3	2680.9	2679.6	2682.2	2686.0	2689.9	2688.6	2695.0
5°	2668.1	2683.5	2682.2	2682.2	2687.3	2697.5	2704.0	2710.4	2704.0	2711.6
7.5°	2673.2	2684.7	2689.9	2695.0	2707.8	2727.0	2742.4	2756.5	2748.8	2757.8
10°	2738.5	2747.5	2752.6	2752.6	2761.6	2783.4	2798.7	2824.4	2818.0	2832.0
12.5°	2857.7	2866.6	2866.6	2861.5	2867.9	2882.0	2887.1	2915.3	2903.8	2926.8
15°	3003.7	3021.6	3007.5	2998.6	3001.1	3015.2	3013.9	3035.7	3024.2	3043.4
17.5°	3165.1	3188.1	3165.1	3163.8	3158.7	3174.0	3175.3	3194.5	3174.0	3188.1
20°	3355.9	3387.9	3368.7	3375.1	3363.6	3370.0	3376.4	3404.6	3372.6	3382.8
22.5°	3624.9	3663.3	3642.8	3667.2	3659.5	3654.4	3653.1	3703.0	3653.1	3656.9
25°	4016.9	4063.0	4027.1	4060.4	4060.4	4077.1	4096.3	4160.3	4077.1	4052.7
27.5°	4595.8	4641.9	4571.5	4592.0	4585.6	4626.6	4606.1	4764.9	4675.2	4635.5
30°	5292.6	5374.6	5241.4	5236.3	5229.9	5295.2	5324.6	5429.7	5338.7	5299.0
32.5°	6045.8	6131.6	5972.8	5926.7	5902.3	5942.0	5917.7	6002.2	5939.5	5878.0
35°	6842.5	6927.0	6775.9	6686.2	6588.9	6505.6	6418.5	6440.3	6381.4	6287.9
37.5°	7595.7	7750.6	7590.5	7494.5	7315.1	7152.5	6909.1	6807.9	6752.8	6667.0
40°	8362.9	8451.3	8329.6	8247.6	8052.9	7798.0	7408.7	7194.7	7120.5	7037.2
42.5°	8927.8	9012.3	8947.0	8890.6	8738.2	8442.3	7938.9	7671.2	7563.6	7470.1
45°	9376.1	9438.9	9397.9	9418.4	9353.0	9066.1	8488.4	8182.3	8070.9	7956.9
47.5°	9556.7	9623.3	9688.6	9810.3	9921.8	9710.4	9078.9	8735.7	8617.8	8501.2
50°	9536.2	9604.1	9793.7	10052.4	10398.2	10327.8	9701.4	9324.9	9216.0	9082.8
52.5°	9372.3	9449.1	9692.5	10122.9	10673.6	10790.2	10335.5	9933.3	9830.8	9672.0
55°	8941.9	8988.0	9353.0	9962.7	10739.0	11113.0	10956.7	10581.4	10478.9	10257.3
57.5°	8143.9	8210.5	8742.1	9531.1	10575.0	11332.0	11502.4	11262.8	11164.2	10845.3
60°	7102.5	7208.8	7817.3	8806.1	10157.4	11330.7	11998.1	11932.7	11850.8	11424.2
62.5°	5924.1	6047.1	6632.4	7781.4	9427.3	11009.2	12308.0	12493.8	12451.5	11958.4
65°	4549.7	4634.3	5217.1	6455.7	8291.2	10318.8	12343.9	12876.8	12884.4	12364.4
67.5°	3029.3	3272.7	3778.6	4844.3	6769.5	9190.4	12028.8	12939.5	13013.8	12504.0
70°	1478.1	1798.4	2294.1	3148.4	4844.3	7459.9	11205.2	12424.6	12589.8	12096.7
72.5°	613.5	717.3	987.6	1553.7	2780.8	5033.9	9550.3	11028.4	11334.6	10718.5
75°	413.7	448.3	564.9	796.7	1266.8	2482.4	6887.3	8223.3	8716.4	8095.2
77.5°	318.9	340.7	411.2	557.2	753.2	938.9	3686.4	4955.8	5210.6	4823.8
80°	251.1	267.7	307.4	406.0	534.1	502.1	1256.6	2245.4	2392.7	2007.2
82.5°	217.8	224.2	220.3	275.4	354.8	293.3	412.4	828.7	914.6	663.5
85°	157.5	175.5	183.2	170.4	188.3	148.6	169.1	293.3	322.8	288.2
87.5°	64.0	94.8	116.6	110.2	69.2	42.3	52.5	85.8	98.6	107.6
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°
2704.0	0°	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0	2704.0
2705.2	2.5°	2706.5	2715.5	2721.9	2729.6	2734.7	2742.4	2757.8	2766.7	2768.0	2774.4
2725.7	5°	2730.9	2743.7	2757.8	2778.2	2801.3	2820.5	2850.0	2870.5	2878.2	2884.6
2775.7	7.5°	2783.4	2801.3	2826.9	2862.8	2896.1	2921.7	2957.6	2981.9	3006.2	3015.2
2855.1	10°	2861.5	2887.1	2924.3	2972.9	3008.8	3042.1	3079.3	3099.7	3124.1	3134.3
2949.9	12.5°	2958.8	2985.7	3034.4	3102.3	3135.6	3158.7	3171.5	3166.4	3171.5	3180.4
3063.9	15°	3070.3	3099.7	3154.8	3227.8	3250.9	3230.4	3202.2	3176.6	3172.8	3175.3
3202.2	17.5°	3202.2	3224.0	3288.0	3349.5	3332.9	3248.3	3186.8	3145.9	3125.4	3119.0
3379.0	20°	3386.7	3386.7	3439.2	3477.6	3366.2	3222.7	3126.6	3060.0	3017.8	2999.8
3619.8	22.5°	3610.8	3590.3	3623.6	3596.7	3359.8	3151.0	3017.8	2902.5	2838.4	2812.8
3956.7	25°	3895.2	3870.8	3861.9	3695.4	3313.7	3037.0	2820.5	2680.9	2624.5	2610.4
4442.1	27.5°	4324.3	4262.8	4146.2	3749.2	3229.1	2857.7	2590.0	2460.6	2428.6	2429.8
5065.9	30°	4895.6	4772.6	4486.9	3758.1	3090.8	2604.0	2354.3	2262.0	2246.7	2253.1
5589.8	32.5°	5424.6	5308.0	4835.3	3717.1	2878.2	2355.6	2142.9	2081.4	2058.4	2066.1
5989.4	35°	5839.6	5807.5	5158.1	3659.5	2616.9	2122.4	1953.4	1900.8	1856.0	1845.8
6366.0	37.5°	6231.5	6218.7	5400.2	3578.8	2358.1	1957.2	1800.9	1731.8	1666.4	1630.6
6782.3	40°	6661.9	6649.1	5559.1	3454.6	2128.8	1813.7	1663.9	1572.9	1492.2	1426.9
7253.7	42.5°	7146.1	7070.5	5634.6	3276.5	1934.1	1692.1	1552.4	1429.5	1323.2	1263.0
7786.5	45°	7675.1	7504.7	5633.3	3049.8	1770.2	1580.6	1433.3	1259.1	1160.5	1104.1
8333.5	47.5°	8236.1	7919.7	5564.2	2798.7	1611.4	1457.6	1248.9	1115.7	1050.3	1015.7
8927.8	50°	8815.1	8307.8	5446.3	2510.5	1448.7	1318.0	1133.6	1042.6	992.7	960.7
9517.0	52.5°	9359.4	8660.1	5304.2	2183.9	1283.4	1182.3	1082.3	1011.9	959.4	923.5
10088.3	55°	9865.4	8963.6	5103.1	1849.6	1149.0	1091.3	1058.0	999.1	938.9	896.6
10668.5	57.5°	10315.0	9160.9	4755.9	1535.8	1052.9	1028.6	1032.4	977.3	908.1	872.3
11239.8	60°	10689.0	9305.6	4242.3	1245.0	974.8	967.1	992.7	936.3	855.6	814.6
11722.7	62.5°	10913.2	9303.1	3612.1	1019.6	908.1	910.7	940.2	885.1	803.1	764.7
11975.0	65°	10893.9	9075.1	2920.4	872.3	844.1	846.7	885.1	828.7	759.6	736.5
11848.2	67.5°	10508.4	8519.2	2240.3	776.2	773.7	785.2	830.0	790.3	732.7	730.1
11092.5	70°	9464.5	7365.1	1613.9	699.4	700.6	717.3	776.2	766.0	718.6	723.7
9326.1	72.5°	7589.3	5615.4	1083.6	618.7	619.9	646.8	725.0	746.8	704.5	772.4
6617.1	75°	5054.4	3501.9	696.8	532.8	534.1	568.7	680.2	709.6	666.1	769.8
3443.0	77.5°	2428.6	1574.2	504.7	448.3	448.3	480.3	587.9	635.3	567.4	598.2
1106.7	80°	839.0	591.8	397.1	361.2	353.5	375.3	495.7	550.8	489.3	450.9
361.2	82.5°	330.5	307.4	318.9	280.5	254.9	269.0	385.5	454.7	359.9	325.3
203.7	85°	189.6	199.8	225.4	185.7	147.3	165.2	283.1	326.6	271.5	239.5
66.6	87.5°	51.2	70.4	103.8	96.1	66.6	70.4	134.5	180.6	156.3	120.4
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°
2704.0
2773.1
2883.3
3016.5
3139.5
3183.0
3184.3
3127.9
2996.0
2809.0
2613.0
2433.7
2274.9
2076.3
1853.4
1631.9
1433.3
1266.8
1101.6
1008.1
949.1
908.1
880.0
849.2
796.7
753.2
735.2
733.9
722.4
782.6
776.2
548.2
422.7
324.1
244.6
124.2
0.0

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