

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: P848088

Luminaire Tested: **GLAN-SB4C-727-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848088  
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-SB4C-727-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26710 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

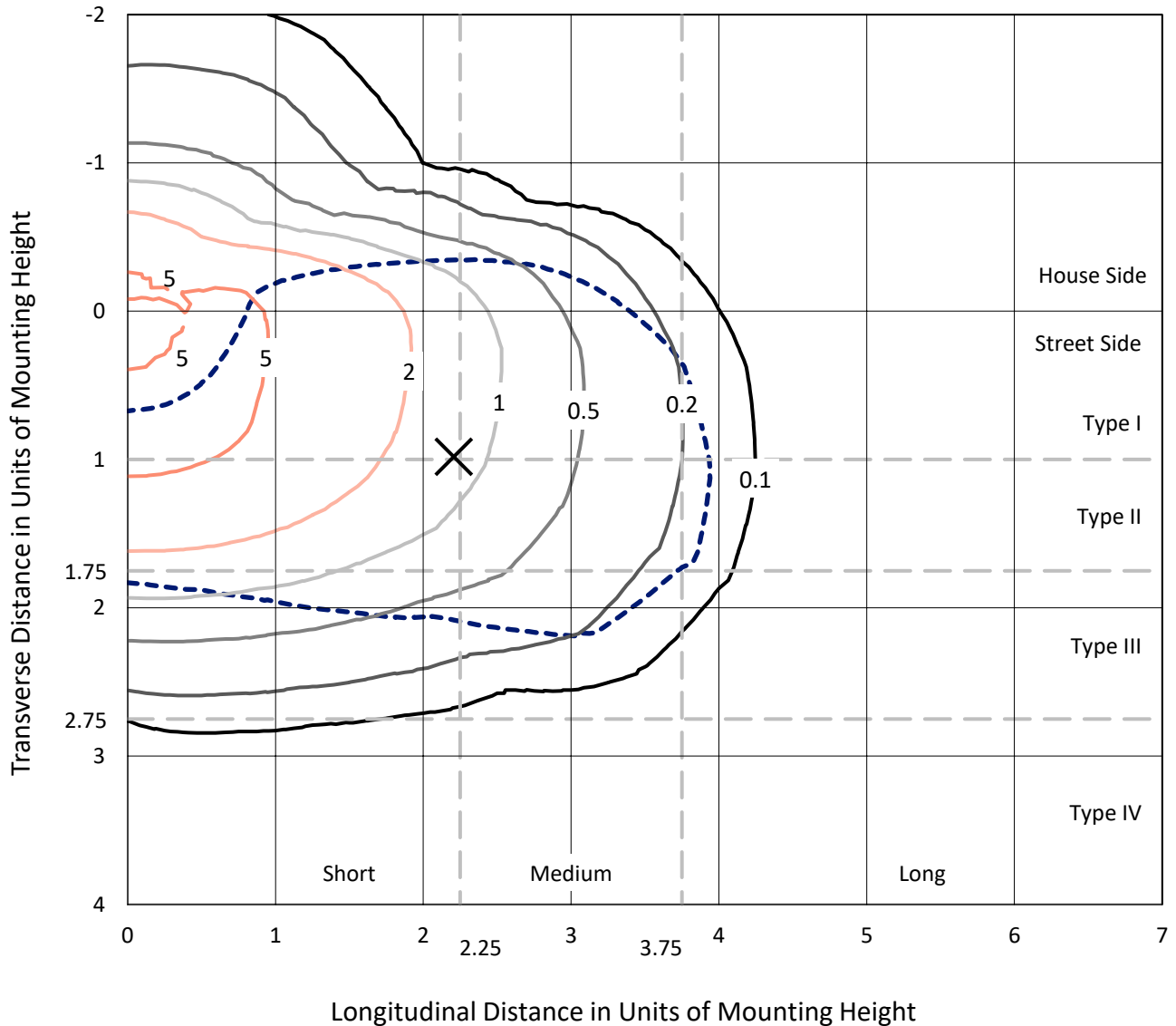
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

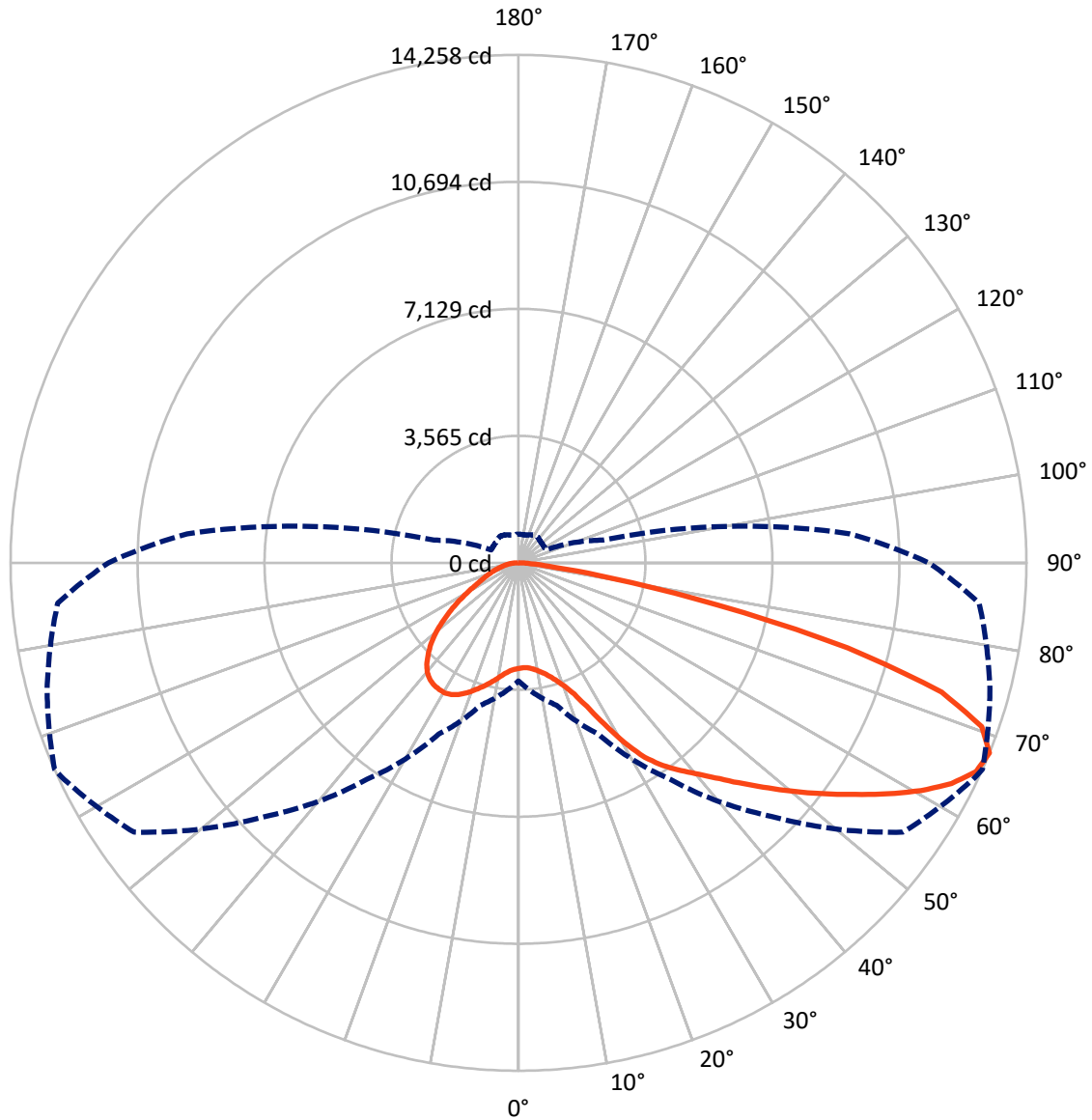
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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
<b>House Side</b>	Lumens	6641.4	0.0	6641.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	20068.6	0.0	20068.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	26710.0	0.0	26710.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.7	1.1
10°-20°	970.4	3.6
20°-30°	1870.4	7.0
30°-40°	3279.5	12.3
40°-50°	4875.6	18.3
50°-60°	6180.3	23.1
60°-70°	6047.2	22.6
70°-80°	2884.6	10.8
80°-90°	308.3	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°	26710.0	100.0
0°-180°	26710.0	100.0

**Coefficient of Utilization**



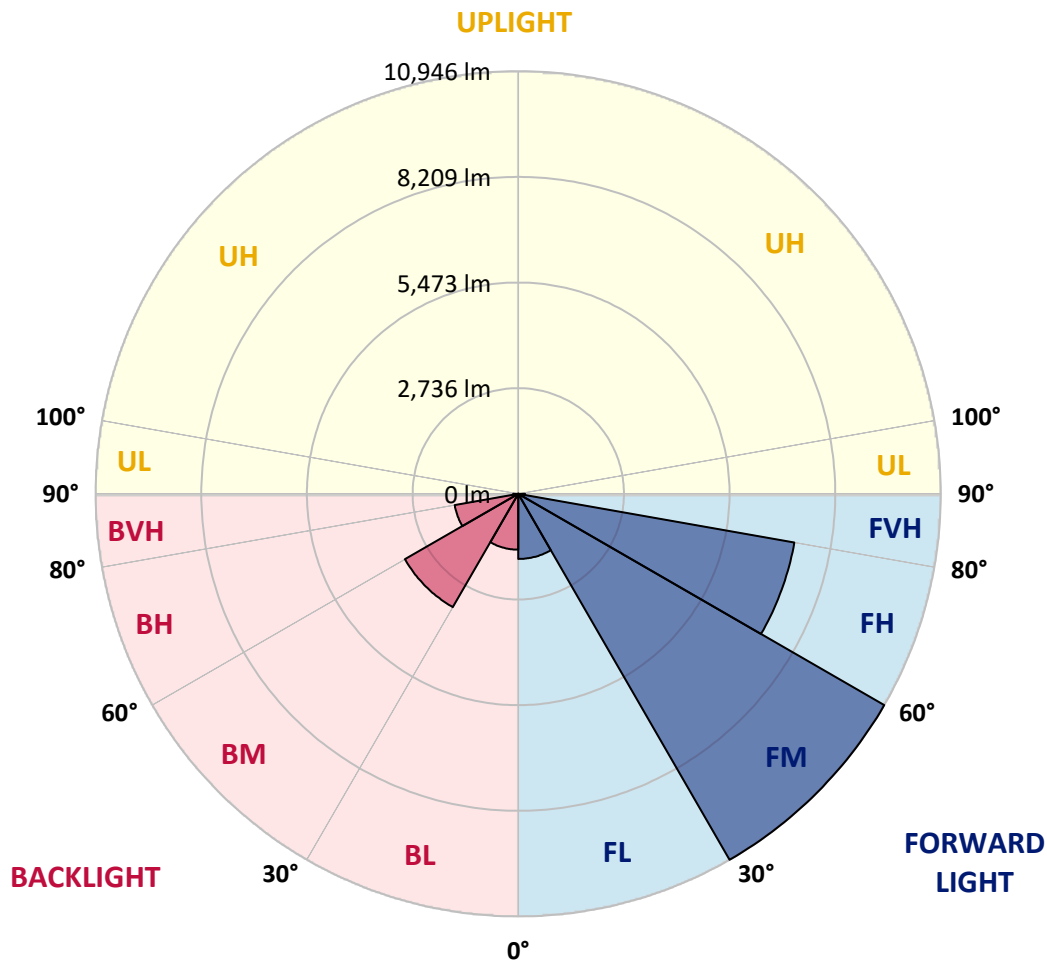
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1687.8	6.3			
FM (30°-60°)	10945.5	41.0			
FH (60°-80°)	7260.5	27.2			G3/7500
FVH (80°-90°)	174.8	0.7			G2/225
BL (0°-30°)	1446.7	5.4	B3/2500		
BM (30°-60°)	3389.8	12.7	B3/5000		
BH (60°-80°)	1671.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	133.5	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°	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5
2.5°	2931.6	2948.5	2944.2	2937.2	2935.8	2938.6	2942.8	2947.1	2945.7	2952.7
5°	2923.2	2940.0	2938.6	2938.6	2944.2	2955.5	2962.5	2969.5	2962.5	2970.9
7.5°	2928.8	2941.4	2947.1	2952.7	2966.7	2987.8	3004.6	3020.0	3011.6	3021.4
10°	3000.4	3010.2	3015.8	3015.8	3025.6	3049.5	3066.3	3094.4	3087.4	3102.8
12.5°	3130.9	3140.7	3140.7	3135.1	3142.1	3157.6	3163.2	3194.0	3181.4	3206.7
15°	3290.9	3310.5	3295.1	3285.3	3288.1	3303.5	3302.1	3326.0	3313.3	3334.4
17.5°	3467.7	3493.0	3467.7	3466.3	3460.7	3477.5	3478.9	3500.0	3477.5	3493.0
20°	3676.8	3711.9	3690.8	3697.9	3685.2	3692.2	3699.3	3730.1	3695.0	3706.3
22.5°	3971.5	4013.6	3991.2	4017.8	4009.4	4003.8	4002.4	4057.1	4002.4	4006.6
25°	4400.9	4451.5	4412.2	4448.6	4448.6	4466.9	4487.9	4558.1	4466.9	4440.2
27.5°	5035.3	5085.8	5008.6	5031.0	5024.0	5068.9	5046.5	5220.5	5122.3	5078.8
30°	5798.7	5888.5	5742.5	5736.9	5729.9	5801.5	5833.8	5948.8	5849.2	5805.7
32.5°	6623.9	6717.9	6543.9	6493.3	6466.7	6510.2	6483.5	6576.1	6507.4	6440.0
35°	7496.7	7589.4	7423.8	7325.5	7218.9	7127.7	7032.2	7056.1	6991.5	6889.1
37.5°	8321.9	8491.7	8316.3	8211.1	8014.6	7836.4	7569.7	7458.9	7398.5	7304.5
40°	9162.5	9259.4	9126.0	9036.2	8822.9	8543.7	8117.0	7882.7	7801.3	7710.1
42.5°	9781.4	9874.0	9802.5	9740.7	9573.7	9249.5	8698.0	8404.7	8286.8	8184.4
45°	10272.6	10341.4	10296.4	10318.9	10247.3	9933.0	9300.1	8964.7	8842.6	8717.7
47.5°	10470.5	10543.4	10615.0	10748.3	10870.4	10638.9	9947.0	9570.9	9441.8	9314.1
50°	10448.0	10522.4	10730.1	11013.6	11392.5	11315.3	10629.0	10216.5	10097.2	9951.2
52.5°	10268.4	10352.6	10619.2	11090.8	11694.2	11821.9	11323.7	10883.1	10770.8	10596.8
55°	9796.9	9847.4	10247.3	10915.3	11765.8	12175.5	12004.3	11593.2	11480.9	11238.1
57.5°	8922.6	8995.5	9577.9	10442.4	11586.1	12415.5	12602.2	12339.7	12231.7	11882.2
60°	7781.6	7898.1	8564.7	9648.1	11128.6	12414.1	13145.3	13073.7	12983.9	12516.6
62.5°	6490.5	6625.3	7266.6	8525.4	10328.7	12061.9	13484.9	13688.4	13642.1	13101.8
65°	4984.7	5077.4	5715.9	7072.9	9083.9	11305.5	13524.2	14108.0	14116.4	13546.6
67.5°	3318.9	3585.6	4139.9	5307.5	7416.8	10069.1	13178.9	14176.7	14258.1	13699.6
70°	1619.5	1970.3	2513.4	3449.5	5307.5	8173.2	12276.6	13612.6	13793.6	13253.3
72.5°	672.2	785.9	1082.0	1702.3	3046.7	5515.2	10463.4	12082.9	12418.3	11743.3
75°	453.3	491.2	618.9	872.9	1387.9	2719.7	7545.9	9009.6	9549.9	8869.2
77.5°	349.4	373.3	450.5	610.5	825.2	1028.7	4038.9	5429.6	5708.9	5285.1
80°	275.1	293.3	336.8	444.9	585.2	550.1	1376.7	2460.1	2621.5	2199.1
82.5°	238.6	245.6	241.4	301.7	388.7	321.4	451.9	908.0	1002.0	726.9
85°	172.6	192.3	200.7	186.6	206.3	162.8	185.2	321.4	353.6	315.8
87.5°	70.2	103.8	127.7	120.7	75.8	46.3	57.5	94.0	108.1	117.9
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°
2962.5	0°	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5	2962.5
2963.9	2.5°	2965.3	2975.1	2982.1	2990.6	2996.2	3004.6	3021.4	3031.3	3032.7	3039.7
2986.3	5°	2992.0	3006.0	3021.4	3043.9	3069.1	3090.2	3122.5	3144.9	3153.3	3160.4
3041.1	7.5°	3049.5	3069.1	3097.2	3136.5	3173.0	3201.1	3240.4	3267.0	3293.7	3303.5
3128.1	10°	3135.1	3163.2	3203.9	3257.2	3296.5	3333.0	3373.7	3396.1	3422.8	3434.0
3231.9	12.5°	3241.8	3271.2	3324.6	3398.9	3435.4	3460.7	3474.7	3469.1	3474.7	3484.5
3356.8	15°	3363.9	3396.1	3456.5	3536.5	3561.7	3539.3	3508.4	3480.3	3476.1	3478.9
3508.4	17.5°	3508.4	3532.3	3602.4	3669.8	3651.5	3558.9	3491.6	3446.7	3424.2	3417.2
3702.1	20°	3710.5	3710.5	3768.0	3810.1	3688.0	3530.9	3425.6	3352.6	3306.3	3286.7
3965.9	22.5°	3956.1	3933.6	3970.1	3940.6	3681.0	3452.3	3306.3	3180.0	3109.8	3081.8
4335.0	25°	4267.6	4241.0	4231.1	4048.7	3630.5	3327.4	3090.2	2937.2	2875.5	2860.0
4866.9	27.5°	4737.7	4670.4	4542.7	4107.6	3537.9	3130.9	2837.6	2695.9	2660.8	2662.2
5550.3	30°	5363.6	5228.9	4916.0	4117.5	3386.3	2853.0	2579.4	2478.3	2461.5	2468.5
6124.3	32.5°	5943.2	5815.5	5297.7	4072.5	3153.3	2580.8	2347.8	2280.5	2255.2	2263.6
6562.1	35°	6397.9	6362.8	5651.3	4009.4	2867.1	2325.4	2140.1	2082.6	2033.5	2022.2
6974.7	37.5°	6827.3	6813.3	5916.6	3921.0	2583.6	2144.3	1973.1	1897.3	1825.8	1786.5
7430.8	40°	7298.9	7284.8	6090.6	3784.9	2332.4	1987.2	1823.0	1723.3	1634.9	1563.3
7947.2	42.5°	7829.3	7746.5	6173.4	3589.8	2119.1	1853.8	1700.9	1566.1	1449.7	1383.7
8531.0	45°	8408.9	8222.3	6172.0	3341.4	1939.4	1731.7	1570.4	1379.5	1271.4	1209.7
9130.3	47.5°	9023.6	8677.0	6096.2	3066.3	1765.4	1597.0	1368.3	1222.3	1150.8	1112.9
9781.4	50°	9657.9	9102.2	5967.1	2750.6	1587.2	1444.1	1242.0	1142.3	1087.6	1052.5
10427.0	52.5°	10254.3	9488.1	5811.3	2392.7	1406.2	1295.3	1185.8	1108.7	1051.1	1011.8
11052.9	55°	10808.7	9820.7	5591.0	2026.5	1258.8	1195.7	1159.2	1094.6	1028.7	982.4
11688.6	57.5°	11301.3	10036.8	5210.7	1682.6	1153.6	1126.9	1131.1	1070.8	995.0	955.7
12314.5	60°	11711.0	10195.4	4647.9	1364.1	1068.0	1059.5	1087.6	1025.9	937.4	892.5
12843.5	62.5°	11956.6	10192.6	3957.5	1117.1	995.0	997.8	1030.1	969.7	879.9	837.8
13120.0	65°	11935.6	9942.8	3199.7	955.7	924.8	927.6	969.7	908.0	832.2	806.9
12981.1	67.5°	11513.2	9333.7	2454.5	850.4	847.6	860.3	909.4	865.9	802.7	799.9
12153.1	70°	10369.4	8069.3	1768.2	766.2	767.6	785.9	850.4	839.2	787.3	792.9
10217.9	72.5°	8314.9	6152.3	1187.2	677.8	679.2	708.7	794.3	818.2	771.8	846.2
7249.8	75°	5537.7	3836.8	763.4	583.8	585.2	623.1	745.2	777.5	729.7	843.4
3772.2	77.5°	2660.8	1724.7	552.9	491.2	491.2	526.3	644.1	696.1	621.7	655.4
1212.5	80°	919.2	648.4	435.0	395.7	387.3	411.2	543.1	603.4	536.1	494.0
395.7	82.5°	362.1	336.8	349.4	307.3	279.3	294.7	422.4	498.2	394.3	356.5
223.1	85°	207.7	218.9	247.0	203.5	161.4	181.0	310.1	357.9	297.5	262.4
73.0	87.5°	56.1	77.2	113.7	105.3	73.0	77.2	147.4	197.9	171.2	131.9
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°
2962.5
3038.3
3159.0
3304.9
3439.6
3487.3
3488.8
3427.0
3282.5
3077.6
2862.9
2666.4
2492.4
2274.8
2030.7
1787.9
1570.4
1387.9
1206.9
1104.4
1039.9
995.0
964.1
930.4
872.9
825.2
805.5
<i>804.1</i>
791.5
857.5
850.4
600.6
463.1
355.0
268.0
136.1
0.0

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