

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: P850416

Luminaire Tested: **GLAN-SB7D-930-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 48376 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

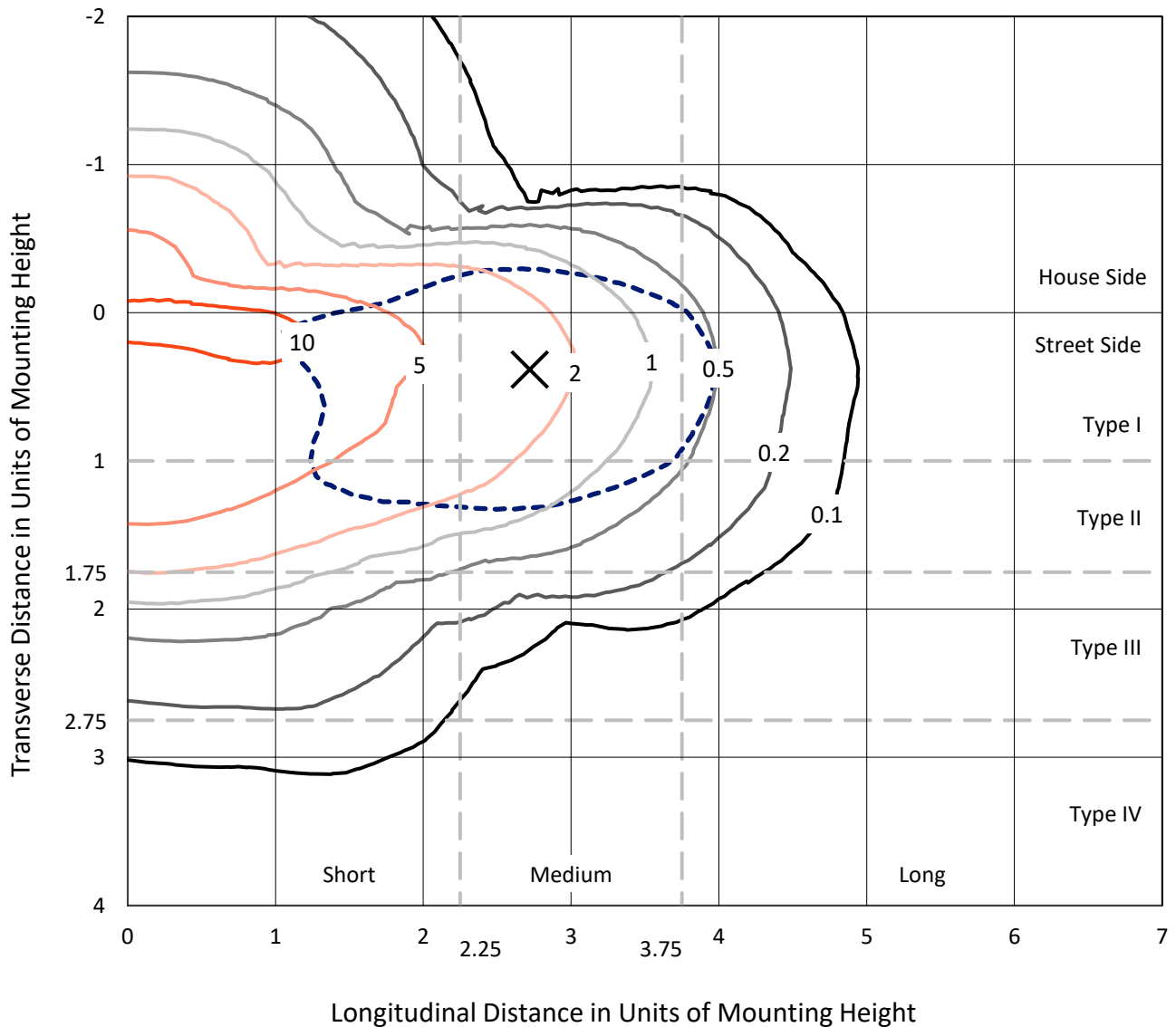
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

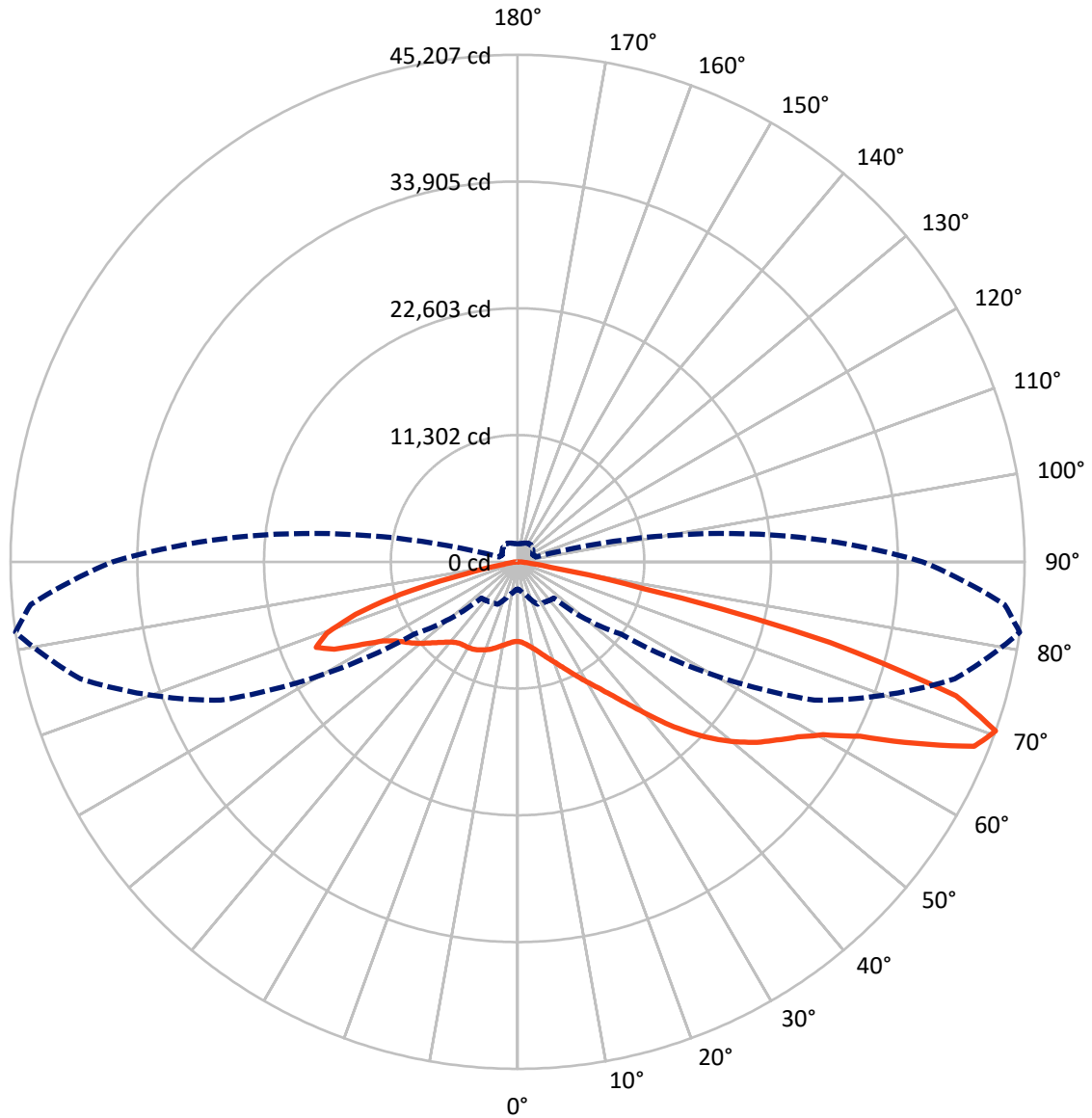
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11925.9	0.0	11925.9
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	36450.1	0.0	36450.1
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	48376.0	0.0	48376.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	669.7	1.4
10°-20°	1924.0	4.0
20°-30°	3218.6	6.7
30°-40°	5028.3	10.4
40°-50°	8008.2	16.6
50°-60°	11144.3	23.0
60°-70°	11657.5	24.1
70°-80°	6092.8	12.6
80°-90°	632.7	1.3
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°	48376.0	100.0
0°-180°	48376.0	100.0

**Coefficient of Utilization**

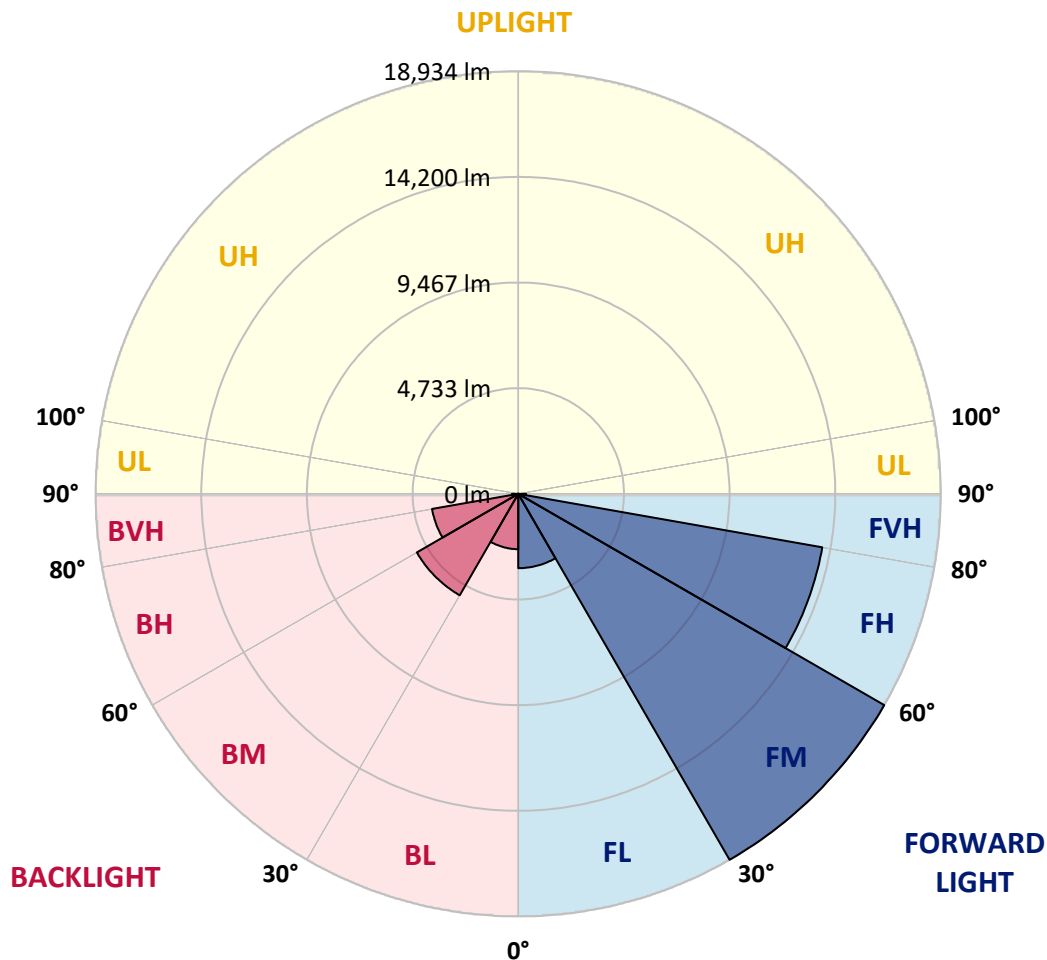


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3331.2	6.9			
FM (30°-60°)	18933.9	39.1			
FH (60°-80°)	13830.9	28.6			G5
FVH (80°-90°)	354.2	0.7			G3/500
BL (0°-30°)	2481.0	5.1	B3/2500		
BM (30°-60°)	5246.9	10.8	B4/8500		
BH (60°-80°)	3919.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	278.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5
2.5°	7261.9	7303.0	7290.2	7277.3	7277.3	7259.4	7256.8	7231.1	7210.6	7177.2
5°	7354.4	7398.0	7392.9	7403.1	7436.5	7444.2	7451.9	7436.5	7395.4	7354.4
7.5°	7272.2	7321.0	7336.4	7398.0	7500.7	7593.1	7662.4	7690.6	7652.1	7593.1
10°	6995.0	7048.9	7102.8	7249.1	7431.4	7649.6	7834.4	7944.8	7937.1	7880.6
12.5°	6432.8	6489.3	6604.8	6889.7	7223.4	7608.5	7952.5	8183.5	8263.1	8222.0
15°	5983.6	6032.4	6119.6	6412.3	6846.1	7431.4	7996.1	8445.3	8648.1	8625.0
17.5°	5970.8	5991.3	6045.2	6183.8	6517.5	7154.1	7949.9	8702.0	9089.6	9087.1
20°	6196.7	6204.4	6235.2	6263.4	6453.4	6943.6	7831.8	8915.1	9585.1	9585.1
22.5°	6509.8	6504.7	6535.5	6509.8	6602.2	6925.7	7757.4	9102.5	10136.9	10178.0
25°	6979.6	6953.9	6946.2	6887.2	6905.1	7092.5	7839.5	9315.5	10791.5	10876.2
27.5°	7605.9	7564.8	7536.6	7400.6	7354.4	7436.5	8091.1	9572.2	11520.5	11666.9
30°	8422.2	8347.8	8306.7	8070.5	7903.7	7916.5	8471.0	9913.6	12282.9	12519.1
32.5°	9536.3	9420.8	9310.4	8922.8	8617.3	8517.2	8961.3	10385.9	13109.5	13486.8
35°	10783.8	10691.4	10573.3	9975.2	9505.5	9274.4	9623.6	11045.7	14077.2	14675.3
37.5°	11985.2	11905.6	11962.1	11156.0	10550.2	10214.0	10491.2	11931.3	15270.9	16153.9
40°	13227.6	13166.0	13173.7	12403.6	11697.7	11320.3	11543.6	13042.8	16639.1	17912.3
42.5°	14577.8	14531.6	14377.6	13694.8	12901.6	12549.9	12755.3	14326.2	18107.4	19914.5
45°	16089.7	16061.5	15917.8	15134.8	14226.1	13830.8	14108.0	15743.2	19583.4	21798.7
47.5°	17396.3	17419.4	17401.5	16741.8	15799.7	15219.5	15550.7	17221.8	20956.7	23569.9
50°	18025.2	18145.9	18323.0	18117.6	17532.4	16942.0	17006.1	18649.0	22265.9	25230.7
52.5°	17696.7	17925.1	18407.7	18736.3	18962.2	18839.0	18667.0	20066.0	23498.0	26729.8
55°	16472.2	16793.1	17594.0	18387.2	19539.7	20435.6	20661.5	21637.0	24699.3	28049.2
57.5°	14241.5	14762.6	15481.4	17085.7	19026.4	21208.3	22987.2	23816.3	25972.6	29458.5
60°	10416.7	11115.0	12008.3	14395.5	17229.5	20795.0	24966.3	27163.6	27782.3	31283.6
62.5°	6666.4	7097.7	7919.1	10167.8	13425.2	18677.2	25572.1	31347.8	30849.8	34276.7
65°	4564.1	4841.3	5593.4	6856.4	8678.9	13902.7	23949.8	34484.6	35721.9	39020.4
67.5°	3316.5	3527.0	4168.8	5275.1	5655.0	8227.1	18584.8	34340.9	40457.9	43908.0
70°	2418.1	2567.0	3106.0	4168.8	4351.0	4576.9	11258.7	29191.5	40355.3	45206.8
72.5°	1791.7	1894.4	2256.4	3234.4	3521.9	3090.6	5572.9	21216.0	34677.1	40889.2
75°	1296.3	1373.3	1640.3	2474.6	2818.5	2353.9	2780.0	12398.4	24188.5	28762.9
77.5°	990.8	1049.9	1224.4	1812.3	2256.4	1766.1	1725.0	5703.8	11469.2	11525.7
80°	795.8	834.3	929.2	1275.8	1730.1	1322.0	1124.3	2302.6	3624.6	3067.5
82.5°	585.3	649.4	785.5	895.9	1237.3	911.3	685.4	1162.8	1378.5	1185.9
85°	333.7	377.3	474.9	641.7	790.6	557.0	392.7	516.0	641.7	526.2
87.5°	118.1	154.0	166.9	251.6	344.0	231.0	151.5	148.9	210.5	156.6
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°
7092.5	0°	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5	7092.5
7169.5	2.5°	7143.9	7131.0	7079.7	7010.4	6938.5	6869.2	6846.1	6797.3	6764.0	6746.0
7336.4	5°	7287.6	7246.5	7125.9	6971.9	6810.2	6635.6	6512.4	6399.4	6317.3	6240.3
7564.8	7.5°	7493.0	7421.1	7213.2	6943.6	6656.1	6366.1	6150.5	5986.2	5875.8	5803.9
7831.8	10°	7731.7	7621.3	7303.0	6900.0	6455.9	6040.1	5785.9	5644.8	5575.4	5536.9
8137.3	12.5°	8006.4	7849.8	7395.4	6799.9	6150.5	5675.6	5501.0	5459.9	5462.5	5465.1
8522.3	15°	8345.2	8127.0	7469.9	6581.7	5752.6	5395.8	5365.0	5431.7	5501.0	5534.4
8958.7	17.5°	8727.7	8419.6	7482.7	6222.3	5362.4	5216.1	5313.6	5457.4	5562.6	5608.8
9446.4	20°	9138.4	8717.4	7390.3	5714.1	5041.5	5069.8	5244.3	5429.1	5544.6	5603.7
10003.5	22.5°	9608.2	9035.7	7169.5	5180.1	4779.7	4910.6	5116.0	5295.7	5416.3	5475.3
10658.0	25°	10144.6	9392.5	6823.0	4730.9	4553.8	4730.9	4936.3	5085.2	5182.7	5236.6
11389.6	27.5°	10740.2	9764.7	6360.9	4374.1	4356.1	4546.1	4715.5	4831.0	4882.4	4923.4
12167.4	30°	11338.3	10103.6	5801.3	4104.6	4184.2	4363.8	4484.5	4535.8	4551.2	4558.9
13035.1	32.5°	11985.2	10396.2	5213.5	3881.3	4019.9	4186.7	4258.6	4281.7	4209.8	4161.1
14087.5	35°	12768.1	10709.4	4638.5	3704.1	3858.1	4001.9	4025.0	4004.5	3919.8	3819.6
15406.9	37.5°	13735.8	11099.6	4179.0	3578.4	3706.7	3801.7	3773.4	3768.3	3776.0	3657.9
16993.3	40°	14921.8	11607.8	3842.7	3480.8	3583.5	3604.0	3524.4	3568.1	3606.6	3426.9
18733.7	42.5°	16238.6	12221.3	3629.7	3414.1	3480.8	3432.0	3308.8	3357.6	3352.5	3116.3
20481.8	45°	17581.1	12888.7	3555.2	3365.3	3385.8	3288.3	3152.2	3165.1	3057.3	2844.2
22158.0	47.5°	18916.0	13604.9	3601.5	3324.2	3267.7	3157.4	3052.1	2995.6	2836.5	2677.3
23765.0	50°	20225.1	14357.0	3770.9	3242.1	3106.0	3041.9	2964.8	2864.7	2695.3	2559.3
25284.6	52.5°	21439.3	15114.3	3960.8	3106.0	2903.2	2941.7	2893.0	2777.5	2610.6	2472.0
26722.1	55°	22589.3	15871.5	4035.3	2918.6	2713.3	2854.5	2826.2	2613.2	2412.9	2300.0
28226.4	57.5°	23842.0	16782.8	3953.1	2679.9	2559.3	2754.4	2646.5	2410.4	2294.9	2210.2
30185.0	60°	25577.2	18212.6	3776.0	2384.7	2412.9	2605.5	2420.6	2323.1	2197.3	2102.3
33121.6	62.5°	28459.9	20879.7	3491.1	2092.1	2241.0	2384.7	2312.8	2215.3	2086.9	1994.5
38142.5	65°	32721.1	24586.4	2954.6	1863.6	2048.4	2169.1	2197.3	2099.8	1966.3	1868.8
42542.3	67.5°	36314.9	26912.1	2235.8	1673.7	1850.8	1994.5	2074.1	1979.1	1837.9	1743.0
43571.7	70°	36117.2	25223.0	1707.0	1486.3	1676.2	1822.5	1925.2	1850.8	1699.3	1609.5
39577.5	72.5°	32079.4	21100.5	1381.0	1296.3	1499.1	1642.9	1766.1	1709.6	1555.6	1468.3
28993.9	75°	23567.3	14978.2	1103.8	1103.8	1278.3	1455.5	1591.5	1555.6	1414.4	1352.8
12172.6	77.5°	9934.2	6283.9	865.1	916.4	1062.7	1250.1	1419.5	1432.4	1309.2	1386.2
3219.0	80°	2641.4	1732.7	659.7	721.3	834.3	1031.9	1234.7	1229.6	1096.1	1024.2
1196.2	82.5°	1006.3	682.8	469.8	508.3	603.2	790.6	978.0	1008.8	875.3	757.3
469.8	85°	387.6	292.6	290.1	305.5	351.7	523.7	739.3	765.0	659.7	559.6
130.9	87.5°	100.1	87.3	107.8	102.7	161.7	279.8	423.5	439.0	403.0	233.6
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°
7092.5
6766.5
6271.1
5819.3
5547.2
5470.2
5531.8
5619.1
5619.1
5490.7
5252.0
4938.8
4576.9
4176.5
3824.8
3665.6
3432.0
3113.7
2851.9
2677.3
2549.0
2474.6
2289.7
2202.5
2097.2
1994.5
1873.9
1745.5
1617.2
1468.3
1334.8
1257.8
952.3
757.3
577.6
333.7
0.0

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