

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: P853125

Luminaire Tested: **GLAN-SB8D-850-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853125  
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-SB8D-850-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 69832 lumens  
Efficiency: N/A  
Efficacy: 119.4 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

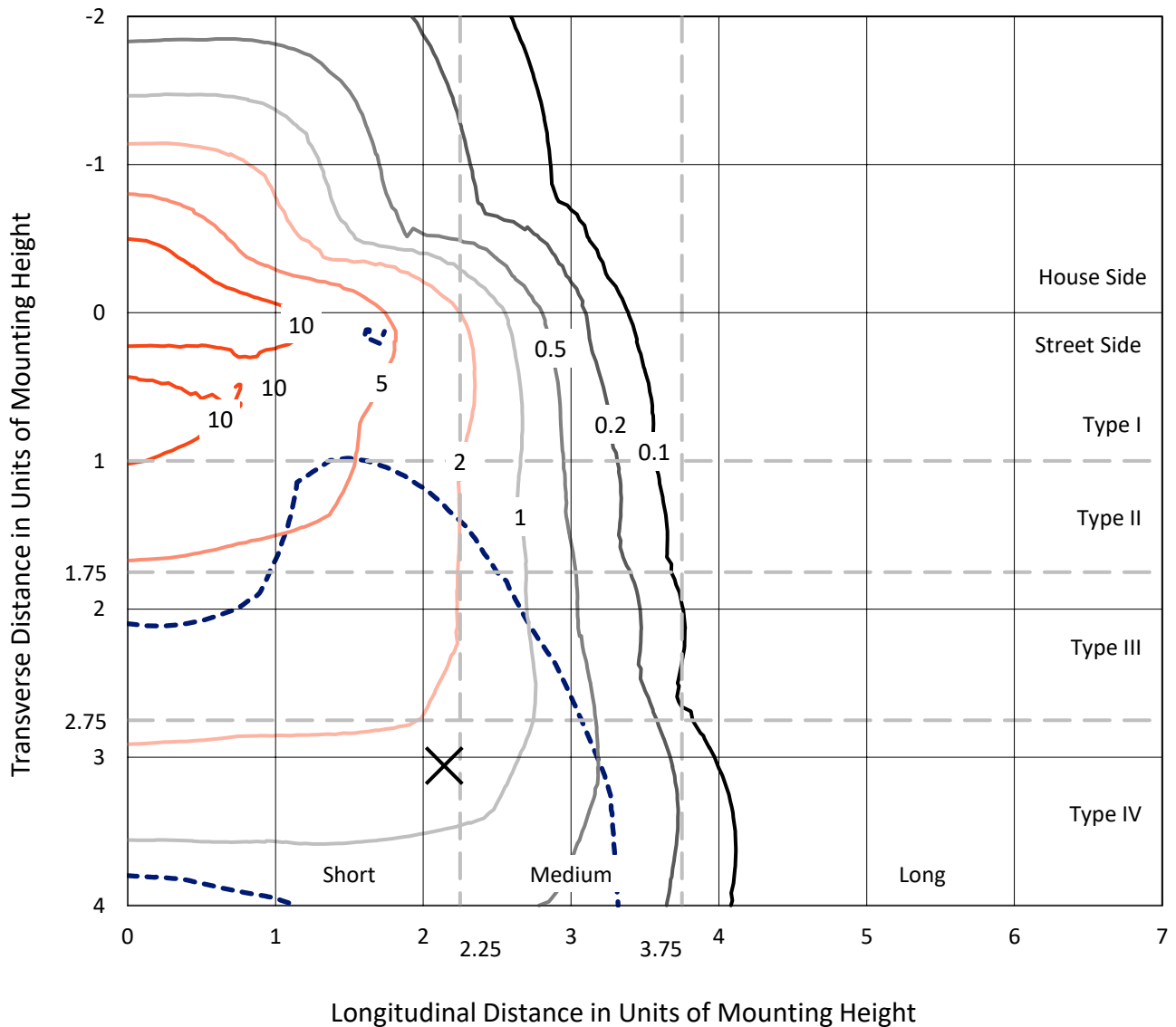
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

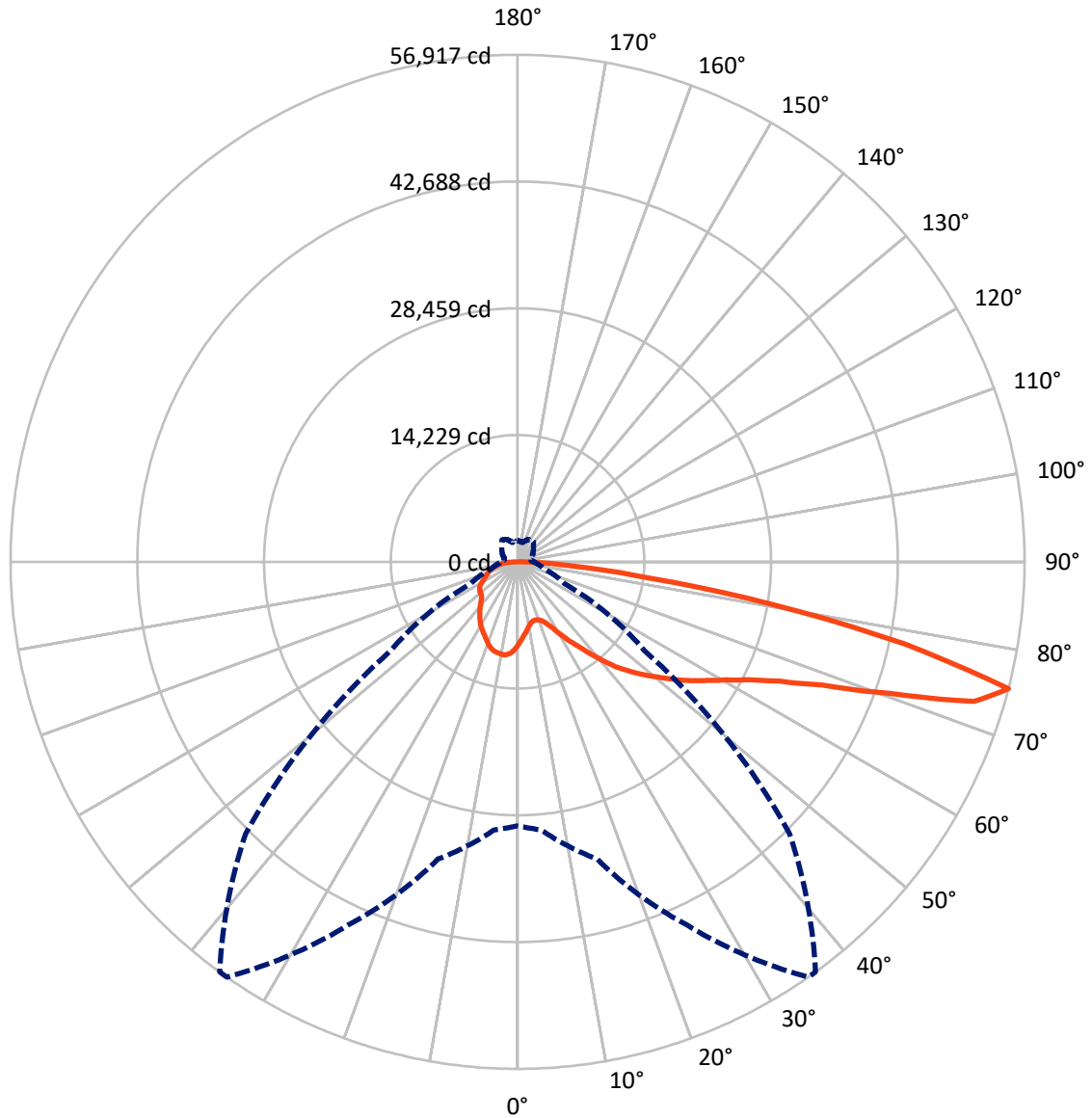
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 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	16618.3	0.0	16618.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	53213.7	0.0	53213.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	69832.0	0.0	69832.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	881.0	1.3
10°-20°	2541.3	3.6
20°-30°	4267.6	6.1
30°-40°	6632.4	9.5
40°-50°	9844.3	14.1
50°-60°	13590.6	19.5
60°-70°	16488.5	23.6
70°-80°	13626.5	19.5
80°-90°	1959.9	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°	69832.0	100.0
0°-180°	69832.0	100.0

**Coefficient of Utilization**

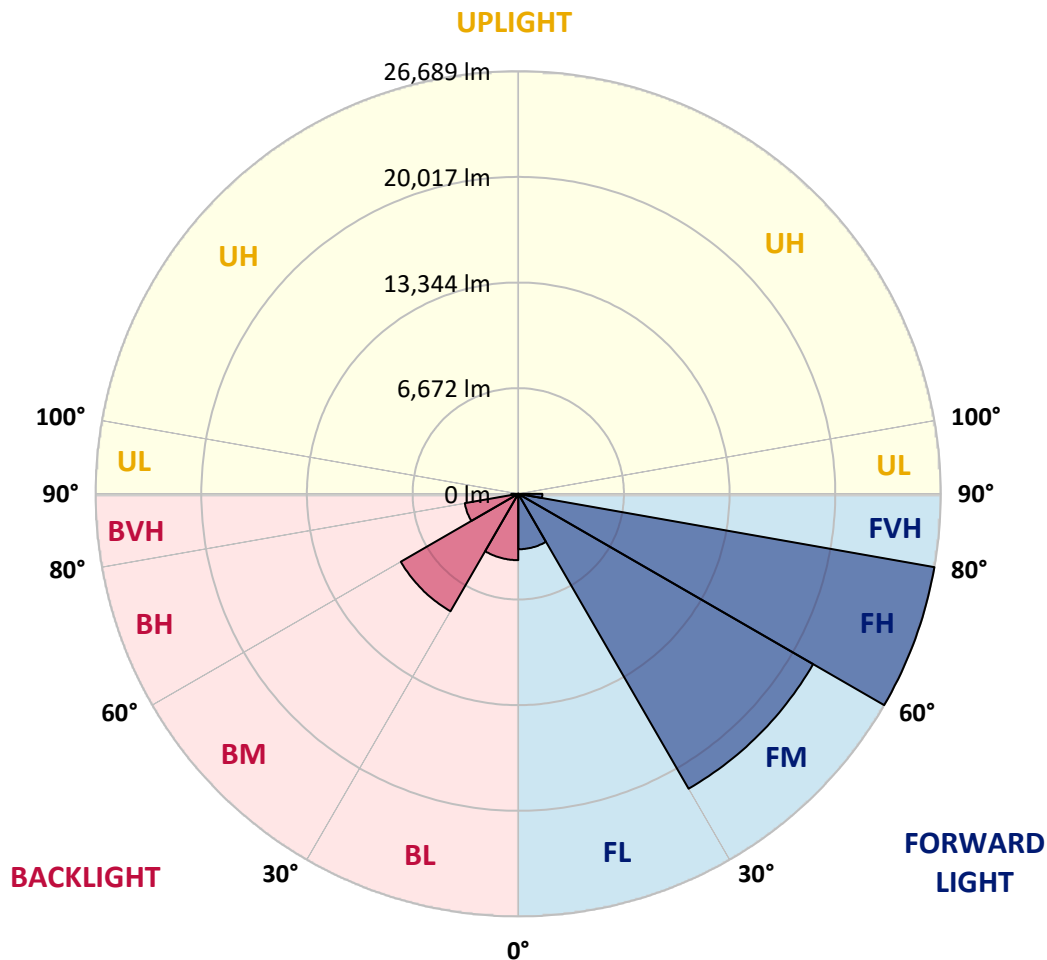


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3501.9	5.0			
FM (30°-60°)	21504.5	30.8			
FH (60°-80°)	26688.7	38.2			G5
FVH (80°-90°)	1518.6	2.2			G5
BL (0°-30°)	4188.0	6.0	B4/5000		
BM (30°-60°)	8562.7	12.3	B5		
BH (60°-80°)	3426.2	4.9	B4/5000		G4/5000
BVH (80°-90°)	441.3	0.6			G3/500
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°	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6
2.5°	8580.8	8633.6	8656.3	8644.9	8701.6	8694.0	8773.3	8871.5	9007.4	9139.5
5°	7920.1	7976.8	8025.8	8071.1	8180.6	8214.6	8339.2	8527.9	8777.1	9030.0
7.5°	7304.8	7353.9	7429.4	7512.4	7697.4	7731.4	7939.0	8233.5	8580.8	8950.7
10°	6802.7	6851.8	6931.1	7025.4	7255.7	7297.2	7561.5	7954.1	8407.1	8875.2
12.5°	6587.5	6602.6	6647.9	6742.3	6942.4	6968.8	7259.5	7708.7	8237.2	8818.6
15°	6576.2	6606.4	6610.2	6659.3	6825.4	6836.7	7104.7	7550.2	8131.5	8807.3
17.5°	6689.5	6712.1	6678.1	6708.3	6848.0	6866.9	7078.3	7474.7	8097.6	8856.4
20°	6991.5	7010.3	6908.4	6866.9	6968.8	6983.9	7191.5	7523.7	8131.5	8958.3
22.5°	7633.2	7644.5	7395.4	7225.5	7233.1	7240.6	7421.8	7723.8	8263.7	9143.3
25°	8633.6	8626.1	8229.7	7901.3	7712.5	7671.0	7791.8	8048.5	8486.4	9388.6
27.5°	9803.9	9747.3	9350.9	8860.1	8448.6	8388.2	8361.8	8471.3	8803.5	9713.3
30°	11125.2	11072.3	10645.7	10004.0	9433.9	9335.8	9086.6	9030.0	9275.4	10155.0
32.5°	12574.8	12540.8	12031.2	11253.5	10491.0	10377.7	9958.7	9807.7	10000.2	10823.2
35°	13790.4	13760.2	13337.4	12537.1	11604.6	11464.9	11038.4	10868.5	10966.6	11680.1
37.5°	14888.9	14873.8	14511.4	13881.0	12918.3	12748.5	12269.0	12212.4	12193.5	12808.9
40°	15908.2	15870.5	15493.0	15160.7	14447.3	14292.5	13869.7	13820.6	13677.1	14198.1
42.5°	17037.0	16938.8	16391.4	16236.6	16044.1	15915.8	15662.8	15670.4	15353.3	15764.8
45°	17958.1	17901.5	17339.0	17248.4	17456.0	17403.1	17622.1	17678.7	17063.4	17406.9
47.5°	18947.2	18894.3	18418.6	18354.5	18917.0	18932.1	19705.9	19724.8	18732.0	19113.3
50°	20166.5	20091.0	19619.1	19698.4	20328.8	20385.5	21801.1	21672.8	20268.4	20846.0
52.5°	20970.6	21015.9	20914.0	21042.3	21903.0	21955.9	23862.3	23533.9	21789.8	22556.1
55°	21563.3	21653.9	21971.0	22265.5	23564.1	23616.9	25806.5	25304.4	23050.7	24141.7
57.5°	22325.9	22197.5	22790.2	23364.0	25142.1	25281.7	27697.8	27010.7	24168.1	25508.3
60°	23420.6	23330.0	23790.6	24640.0	26908.8	27131.5	29698.6	28547.2	24987.3	26591.7
62.5°	25640.4	25413.9	25485.6	26236.8	29136.1	29430.6	31956.1	29887.4	25395.0	27014.5
65°	28958.7	28569.8	28207.4	28728.4	32273.2	32563.9	34504.3	30940.6	25244.0	26195.3
67.5°	33137.7	32752.6	32307.2	32797.9	36893.9	37124.2	37648.9	31533.3	24054.8	23039.3
70°	36584.4	36440.9	36973.2	38992.9	44274.2	44281.8	41680.7	31042.5	20796.9	16334.8
72.5°	36127.6	36040.7	38845.6	45089.6	53576.0	53375.9	45497.3	27327.8	14009.3	7369.0
75°	29638.2	30200.7	34545.8	44980.1	56917.0	56890.5	43160.6	17372.9	5794.8	3054.0
77.5°	15893.1	16784.0	22427.8	33209.4	44432.8	45100.9	30344.1	6077.9	2487.8	1955.5
80°	5183.2	5960.9	8939.4	16908.6	28871.9	28747.3	13005.2	2385.9	1702.6	1385.5
82.5°	2200.9	2291.5	3994.0	7984.3	14817.2	14586.9	4141.3	1370.4	1196.7	947.5
85°	860.7	962.6	1763.0	3692.0	6417.6	6278.0	1494.9	679.5	766.3	619.1
87.5°	283.1	343.5	630.4	1264.7	1997.0	1925.3	366.2	234.1	332.2	283.1
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°
9305.6	0°	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6	9305.6
9332.0	2.5°	9384.9	9445.3	9517.0	9622.7	9713.3	9788.8	9868.1	9917.2	9936.0	9992.7
9347.1	5°	9452.8	9584.9	9762.4	9936.0	10105.9	10207.8	10298.4	10343.7	10385.3	10415.5
9388.6	7.5°	9566.1	9735.9	10015.3	10241.8	10385.3	10468.3	10528.7	10513.6	10528.7	10536.3
9433.9	10°	9664.2	9902.0	10234.3	10449.4	10558.9	10562.7	10547.6	10494.7	10468.3	10472.1
9501.9	12.5°	9781.2	10045.5	10404.1	10585.3	10615.5	10532.5	10468.3	10377.7	10343.7	10328.6
9603.8	15°	9939.8	10241.8	10589.1	10657.1	10581.6	10475.9	10366.4	10219.2	10143.7	10083.3
9777.5	17.5°	10132.3	10464.5	10732.6	10683.5	10521.2	10347.5	10170.1	9947.4	9792.6	9728.4
10015.3	20°	10400.4	10698.6	10842.0	10626.9	10381.5	10117.2	9815.2	9543.4	9400.0	9335.8
10317.3	22.5°	10725.0	11011.9	10947.7	10528.7	10181.4	9758.6	9381.1	9181.0	9109.3	9064.0
10706.1	25°	11113.9	11359.2	11023.3	10385.3	9853.0	9282.9	8992.3	8928.1	8894.1	8860.1
11181.8	27.5°	11619.7	11751.8	11079.9	10173.9	9339.6	8777.1	8671.4	8682.7	8671.4	8614.7
11842.4	30°	12287.9	12261.5	11132.7	9830.3	8750.6	8320.3	8327.8	8376.9	8384.5	8346.7
12763.6	32.5°	13167.5	12899.5	11159.2	9384.9	8188.2	7920.1	7927.7	7980.5	8018.3	7954.1
13967.8	35°	14232.1	13643.2	11117.6	8826.2	7754.0	7538.8	7482.2	7497.3	7508.6	7448.2
15428.8	37.5°	15474.1	14477.5	10932.6	8207.0	7395.4	7165.1	7044.3	6942.4	6882.0	6825.4
17082.3	40°	16836.9	15387.2	10592.9	7603.0	6995.2	6768.7	6587.5	6395.0	6191.1	6115.6
18833.9	42.5°	18263.9	16323.5	10181.4	7025.4	6534.7	6349.7	6157.2	5877.8	5572.0	5417.2
20653.5	45°	19743.7	17282.3	9777.5	6455.4	6062.8	5983.5	5760.8	5424.8	5092.6	4896.3
22476.9	47.5°	21193.3	18188.4	9184.8	5881.6	5621.1	5707.9	5534.3	5224.7	4854.8	4545.2
24285.1	50°	22578.8	19037.8	8214.6	5300.2	5262.5	5624.9	5458.8	5013.3	4590.5	4194.1
26059.4	52.5°	23952.9	19724.8	6972.6	4771.7	5069.9	5602.2	5360.6	4869.9	4352.7	3937.4
27728.0	55°	25119.4	20079.7	5775.9	4318.7	4790.6	5409.7	5243.6	4700.0	4016.7	3575.0
28871.9	57.5°	25783.8	19792.8	4779.3	3873.2	4405.5	5092.6	5043.5	4337.6	3616.5	3276.8
29094.6	60°	25496.9	18630.0	3963.8	3484.4	4039.3	4749.1	4696.2	3978.9	3310.8	2989.9
27901.7	62.5°	23915.2	16414.1	3318.3	3144.6	3707.1	4398.0	4348.9	3703.4	3076.7	2767.1
24734.4	65°	20729.0	13352.5	2816.2	2861.5	3371.2	3975.2	4046.9	3473.1	2891.7	2589.7
19135.9	67.5°	15810.1	9671.8	2423.6	2616.1	3042.7	3559.9	3767.5	3307.0	2736.9	2450.0
11072.3	70°	9011.1	5492.7	2091.4	2378.3	2752.0	3174.8	3552.4	3174.8	2570.8	2333.0
4148.8	72.5°	3416.5	2521.8	1808.3	2140.5	2472.7	2850.2	3314.5	2967.2	2378.3	2200.9
2144.2	75°	1823.4	1536.5	1521.4	1861.1	2151.8	2533.1	3016.3	2763.4	2234.9	2325.5
1483.6	77.5°	1242.0	1087.2	1272.2	1593.1	1800.7	2182.0	2699.2	2453.8	1936.6	1929.1
1026.8	80°	860.7	770.1	1034.4	1283.5	1393.0	1834.7	2355.7	2106.5	1578.0	1472.3
634.2	82.5°	517.2	502.1	773.9	958.9	985.3	1415.7	1951.7	1766.7	1291.1	1125.0
377.5	85°	283.1	298.2	494.5	562.5	573.8	989.1	1528.9	1366.6	992.8	834.3
135.9	87.5°	79.3	101.9	181.2	222.7	275.6	513.4	909.8	811.6	498.3	347.3
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°
9305.6
9988.9
10423.0
10547.6
10479.6
10321.1
10102.1
9732.2
9328.2
9071.5
8860.1
8626.1
8365.6
7984.3
7489.8
6863.1
6149.6
5436.1
4881.2
4511.2
4160.1
3892.1
3537.3
3231.5
2944.6
2718.1
2540.6
2404.7
2302.8
2170.7
2401.0
1778.1
1408.1
1132.5
841.8
347.3
0.0

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