

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: P850396

Luminaire Tested: **GLAN-SB7D-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850396
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-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61570 lumens
Efficiency: N/A
Efficacy: 120.1 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

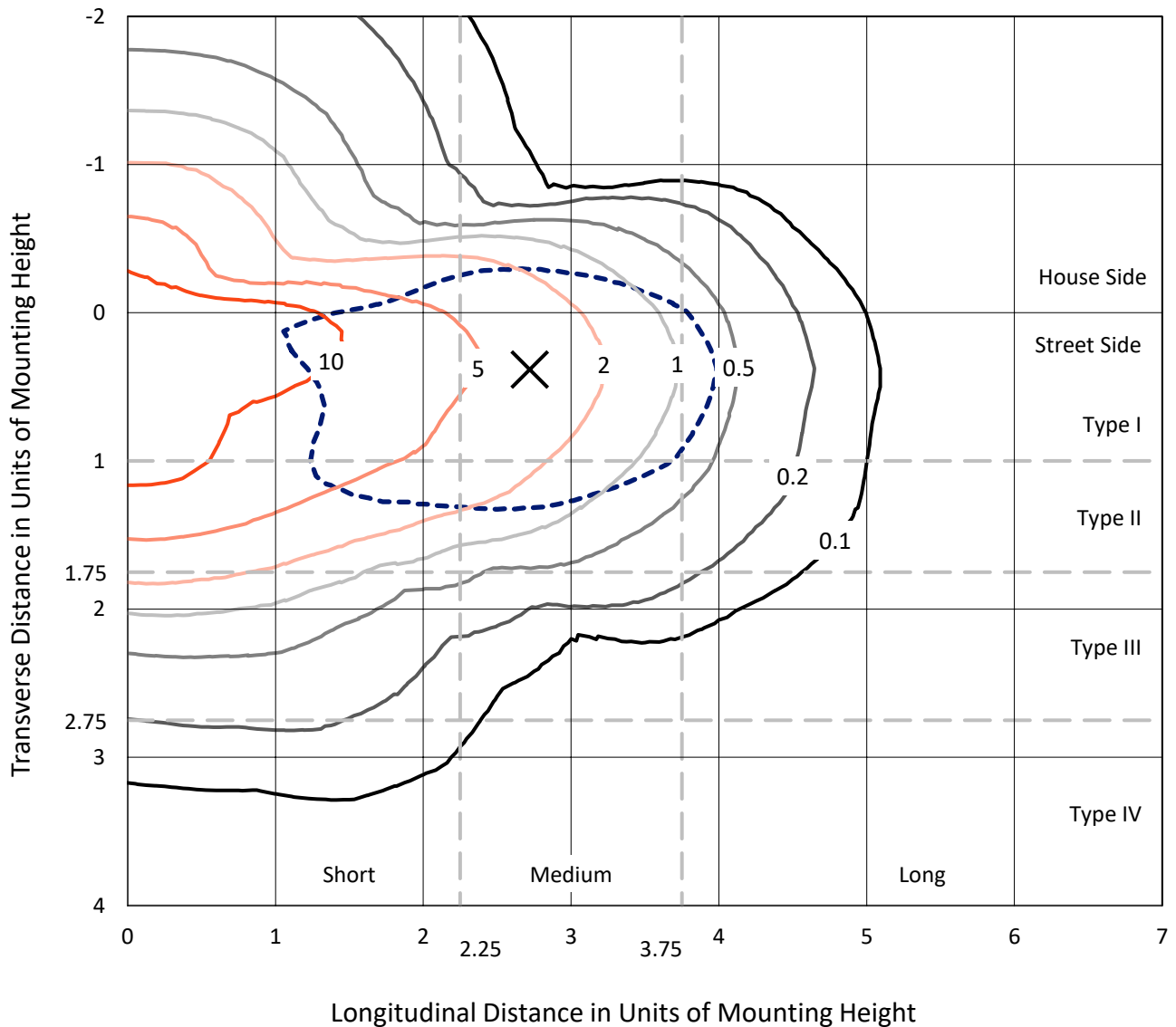
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

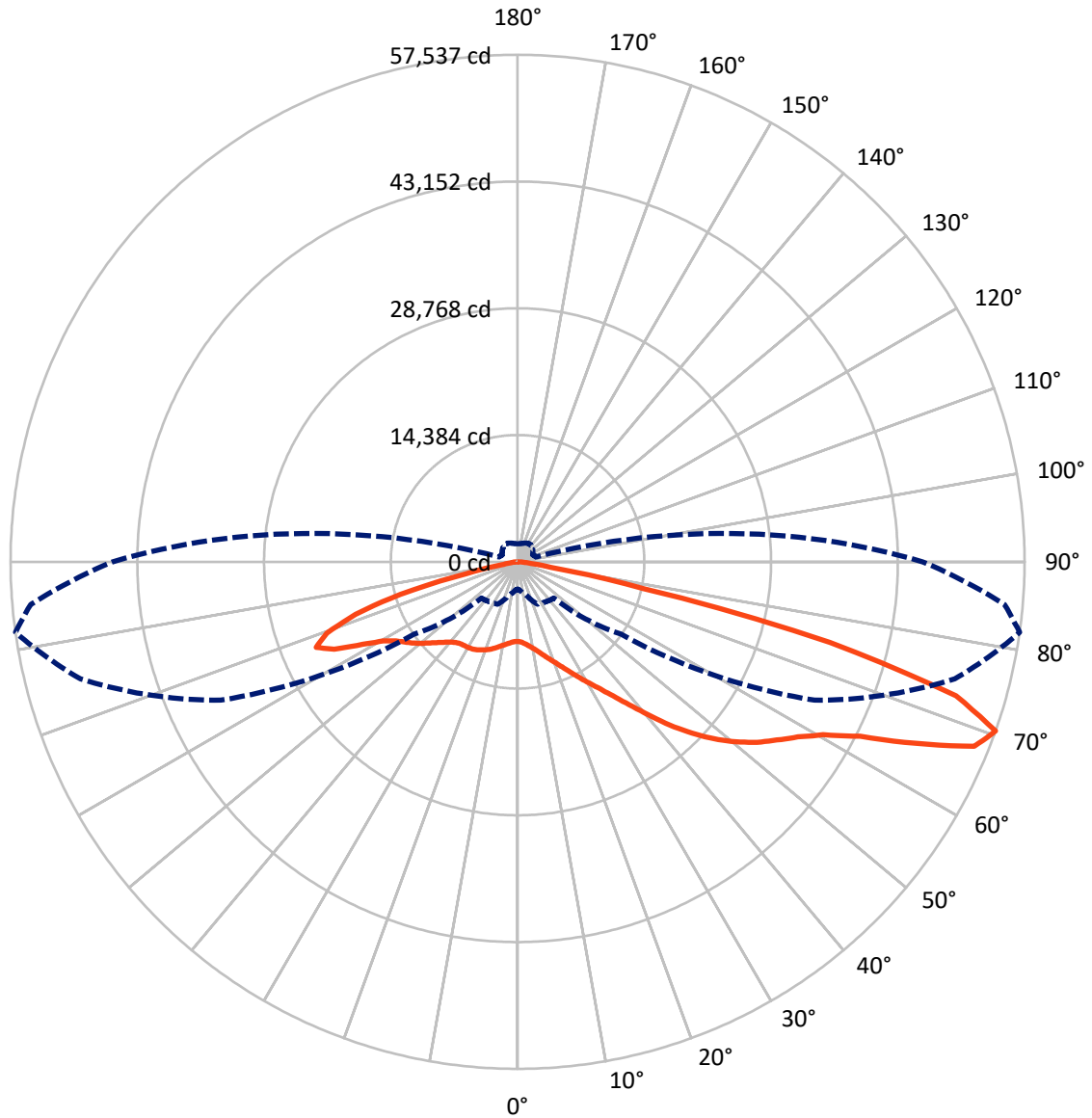
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 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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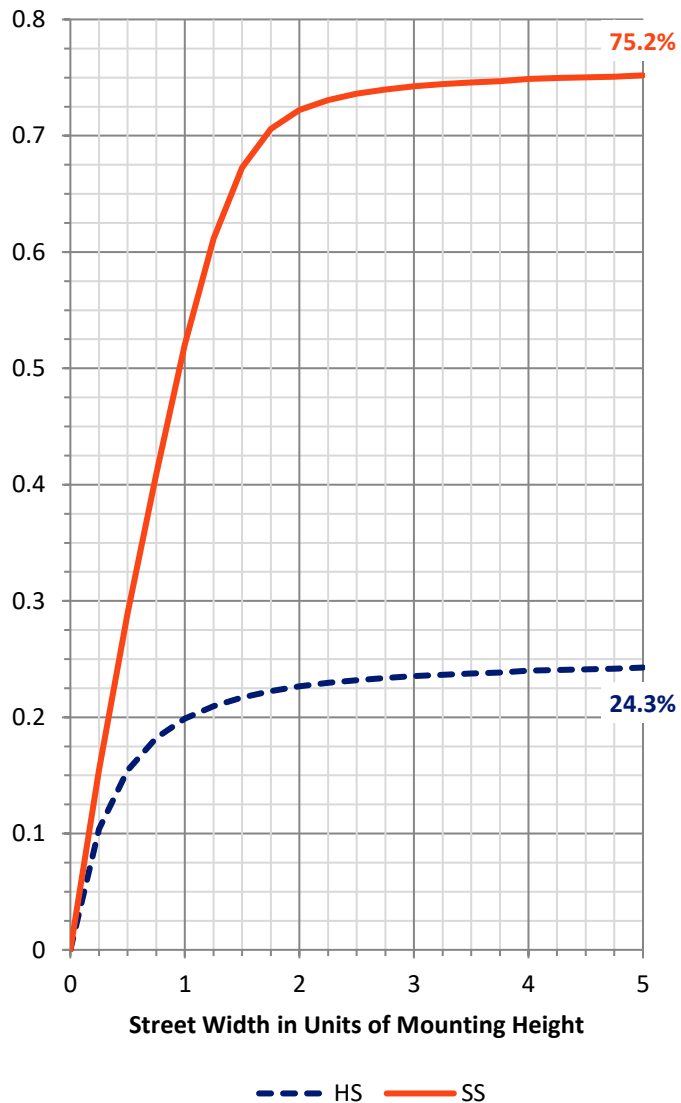
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15178.5	0.0	15178.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	46391.5	0.0	46391.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	61570.0	0.0	61570.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.3	1.4
10°-20°	2448.7	4.0
20°-30°	4096.5	6.7
30°-40°	6399.7	10.4
40°-50°	10192.3	16.6
50°-60°	14183.8	23.0
60°-70°	14836.9	24.1
70°-80°	7754.6	12.6
80°-90°	805.2	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°	61570.0	100.0
0°-180°	61570.0	100.0

Coefficient of Utilization

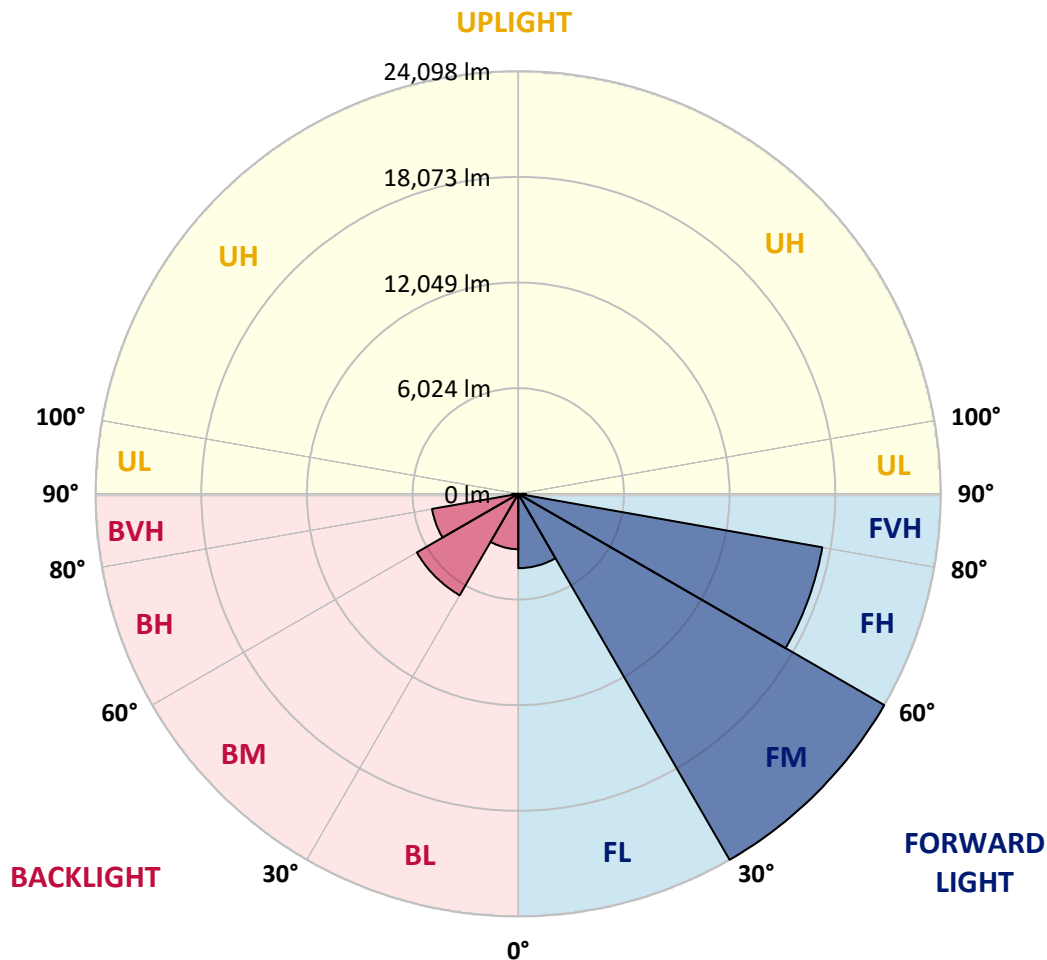


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4239.8	6.9			
FM (30°-60°)	24097.9	39.1			
FH (60°-80°)	17603.1	28.6			G5
FVH (80°-90°)	450.8	0.7			G3/500
BL (0°-30°)	3157.7	5.1	B4/5000		
BM (30°-60°)	6677.9	10.8	B4/8500		
BH (60°-80°)	4988.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	354.5	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°	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9
2.5°	9242.6	9294.8	9278.5	9262.2	9262.2	9239.3	9236.0	9203.4	9177.2	9134.7
5°	9360.2	9415.7	9409.2	9422.2	9464.7	9474.5	9484.3	9464.7	9412.4	9360.2
7.5°	9255.6	9317.7	9337.3	9415.7	9546.4	9664.0	9752.2	9788.2	9739.2	9664.0
10°	8902.8	8971.4	9040.0	9226.2	9458.2	9735.9	9971.1	10111.6	10101.8	10029.9
12.5°	8187.3	8259.2	8406.2	8768.8	9193.6	9683.6	10121.4	10415.4	10516.7	10464.4
15°	7615.6	7677.6	7788.7	8161.2	8713.3	9458.2	10176.9	10748.7	11006.8	10977.4
17.5°	7599.2	7625.4	7694.0	7870.4	8295.1	9105.3	10118.1	11075.4	11568.7	11565.5
20°	7886.7	7896.5	7935.7	7971.7	8213.4	8837.4	9967.8	11346.6	12199.3	12199.3
22.5°	8285.3	8278.8	8318.0	8285.3	8402.9	8814.6	9873.1	11585.1	12901.7	12954.0
25°	8883.2	8850.5	8840.7	8765.6	8788.4	9026.9	9977.7	11856.2	13734.8	13842.6
27.5°	9680.3	9628.1	9592.1	9419.0	9360.2	9464.7	10297.8	12182.9	14662.6	14848.9
30°	10719.3	10624.5	10572.3	10271.7	10059.3	10075.7	10781.4	12617.4	15633.0	15933.5
32.5°	12137.2	11990.2	11849.7	11356.4	10967.6	10840.2	11405.4	13218.6	16685.0	17165.2
35°	13725.0	13607.4	13457.1	12695.9	12098.0	11803.9	12248.3	14058.2	17916.6	18677.9
37.5°	15254.0	15152.7	15224.6	14198.7	13427.7	12999.7	13352.5	15185.4	19435.8	20559.7
40°	16835.2	16756.8	16766.6	15786.5	14888.1	14407.8	14692.0	16600.0	21177.2	22797.7
42.5°	18553.7	18494.9	18298.9	17429.9	16420.3	15972.7	16234.1	18233.6	23046.0	25346.0
45°	20478.0	20442.1	20259.1	19262.7	18106.1	17603.0	17955.9	20037.0	24924.5	27744.0
47.5°	22141.0	22170.4	22147.5	21307.9	20108.9	19370.5	19791.9	21918.8	26672.4	29998.3
50°	22941.4	23095.0	23320.4	23059.0	22314.1	21562.7	21644.4	23735.3	28338.6	32112.1
52.5°	22523.2	22814.0	23428.2	23846.4	24133.9	23977.1	23758.2	25538.7	29906.8	34020.1
55°	20964.8	21373.2	22392.5	23402.1	24869.0	26009.2	26296.7	27538.2	31435.8	35699.3
57.5°	18125.7	18789.0	19703.7	21745.7	24215.6	26992.6	29256.7	30311.9	33056.3	37493.0
60°	13257.8	14146.4	15283.4	18321.8	21928.6	26466.6	31775.6	34572.2	35359.6	39815.9
62.5°	8484.6	9033.5	10078.9	12940.9	17086.8	23771.2	32546.6	39897.5	39263.7	43625.3
65°	5808.9	6161.7	7119.0	8726.4	11046.0	17694.5	30481.8	43889.9	45464.6	49662.8
67.5°	4221.1	4489.0	5305.7	6713.8	7197.4	10471.0	23653.6	43706.9	51492.4	55883.3
70°	3077.6	3267.1	3953.2	5305.7	5537.7	5825.2	14329.4	37153.2	51361.7	57536.5
72.5°	2280.4	2411.1	2871.8	4116.5	4482.4	3933.6	7092.8	27002.4	44134.9	52041.3
75°	1649.9	1747.9	2087.7	3149.5	3587.2	2995.9	3538.2	15780.0	30785.7	36607.6
77.5°	1261.1	1336.2	1558.4	2306.6	2871.8	2247.7	2195.5	7259.4	14597.3	14669.2
80°	1012.8	1061.8	1182.7	1623.7	2202.0	1682.5	1431.0	2930.6	4613.1	3904.2
82.5°	744.9	826.6	999.7	1140.2	1574.7	1159.8	872.3	1480.0	1754.4	1509.4
85°	424.7	480.3	604.4	816.8	1006.3	709.0	499.9	656.7	816.8	669.8
87.5°	150.3	196.0	212.4	320.2	437.8	294.0	192.8	189.5	267.9	199.3
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°
9026.9	0°	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9	9026.9
9124.9	2.5°	9092.3	9075.9	9010.6	8922.4	8830.9	8742.7	8713.3	8651.2	8608.7	8585.9
9337.3	5°	9275.2	9223.0	9069.4	8873.4	8667.6	8445.4	8288.6	8144.8	8040.3	7942.3
9628.1	7.5°	9536.6	9445.1	9180.5	8837.4	8471.5	8102.3	7827.9	7618.8	7478.3	7386.9
9967.8	10°	9840.4	9699.9	9294.8	8781.9	8216.7	7687.4	7364.0	7184.3	7096.1	7047.1
10356.6	12.5°	10190.0	9990.7	9412.4	8654.5	7827.9	7223.5	7001.3	6949.1	6952.3	6955.6
10846.7	15°	10621.3	10343.6	9507.2	8376.8	7321.5	6867.4	6828.2	6913.1	7001.3	7043.8
11402.1	17.5°	11108.1	10716.0	9523.5	7919.4	6824.9	6638.7	6762.8	6945.8	7079.8	7138.6
12022.8	20°	11630.8	11095.0	9405.9	7272.5	6416.5	6452.5	6674.6	6909.9	7056.9	7132.0
12731.8	22.5°	12228.7	11500.1	9124.9	6593.0	6083.3	6249.9	6511.3	6740.0	6893.5	6968.7
13564.9	25°	12911.5	11954.2	8683.9	6021.2	5795.8	6021.2	6282.6	6472.1	6596.2	6664.8
14496.0	27.5°	13669.4	12428.0	8095.8	5567.1	5544.2	5786.0	6001.6	6148.6	6214.0	6266.3
15485.9	30°	14430.7	12859.2	7383.6	5224.1	5325.3	5554.0	5707.6	5772.9	5792.5	5802.3
16590.2	32.5°	15254.0	13231.7	6635.4	4939.8	5116.2	5328.6	5420.1	5449.5	5358.0	5295.9
17929.7	35°	16250.4	13630.2	5903.6	4714.4	4910.4	5093.4	5122.8	5096.6	4988.8	4861.4
19609.0	37.5°	17482.1	14126.8	5318.8	4554.3	4717.7	4838.5	4802.6	4796.1	4805.9	4655.6
21628.0	40°	18991.5	14773.7	4890.8	4430.2	4560.8	4587.0	4485.7	4541.2	4590.2	4361.5
23843.1	42.5°	20667.5	15554.6	4619.6	4345.2	4430.2	4368.1	4211.3	4273.3	4266.8	3966.2
26068.0	45°	22376.2	16404.0	4524.9	4283.1	4309.3	4185.1	4012.0	4028.3	3891.1	3619.9
28201.4	47.5°	24075.1	17315.5	4583.7	4230.9	4159.0	4018.5	3884.6	3812.7	3610.1	3407.6
30246.6	50°	25741.3	18272.8	4799.3	4126.3	3953.2	3871.5	3773.5	3646.1	3430.4	3257.3
32180.7	52.5°	27286.6	19236.5	5041.1	3953.2	3695.1	3744.1	3682.0	3535.0	3322.6	3146.2
34010.3	55°	28750.3	20200.3	5135.8	3714.7	3453.3	3633.0	3597.1	3325.9	3071.1	2927.3
35924.8	57.5°	30344.6	21360.1	5031.3	3410.8	3257.3	3505.6	3368.4	3067.8	2920.8	2813.0
38417.6	60°	32553.1	23179.9	4805.9	3035.1	3071.1	3316.1	3080.9	2956.7	2796.6	2675.7
42155.1	62.5°	36222.1	26574.4	4443.2	2662.7	2852.2	3035.1	2943.6	2819.5	2656.1	2538.5
48545.5	65°	41645.4	31292.1	3760.4	2371.9	2607.1	2760.7	2796.6	2672.5	2502.6	2378.4
54145.3	67.5°	46219.3	34252.0	2845.6	2130.1	2355.6	2538.5	2639.8	2518.9	2339.2	2218.3
55455.4	70°	45967.8	32102.3	2172.6	1891.6	2133.4	2319.6	2450.3	2355.6	2162.8	2048.5
50371.8	72.5°	40828.7	26855.4	1757.7	1649.9	1908.0	2090.9	2247.7	2175.9	1979.8	1868.8
36901.6	75°	29995.0	19063.4	1404.8	1404.8	1627.0	1852.4	2025.6	1979.8	1800.2	1721.7
15492.5	77.5°	12643.6	7997.8	1101.0	1166.3	1352.6	1591.1	1806.7	1823.0	1666.2	1764.2
4096.9	80°	3361.8	2205.3	839.6	918.0	1061.8	1313.4	1571.5	1564.9	1395.0	1303.6
1522.5	82.5°	1280.7	869.0	597.9	646.9	767.8	1006.3	1244.8	1284.0	1114.1	963.8
597.9	85°	493.3	372.4	369.2	388.8	447.6	666.5	940.9	973.6	839.6	712.2
166.6	87.5°	127.4	111.1	137.2	130.7	205.8	356.1	539.1	558.7	512.9	297.3
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°
9026.9
8612.0
7981.5
7406.5
7060.2
6962.1
7040.5
7151.6
7151.6
6988.3
6684.4
6285.9
5825.2
5315.5
4867.9
4665.4
4368.1
3963.0
3629.7
3407.6
3244.2
3149.5
2914.2
2803.2
2669.2
2538.5
2385.0
2221.6
2058.3
1868.8
1698.9
1600.9
1212.1
963.8
735.1
424.7
0.0

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