

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: P853107

Luminaire Tested: **GLAN-SB8D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853107
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-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 78561 lumens
Efficiency: N/A
Efficacy: 134.3 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

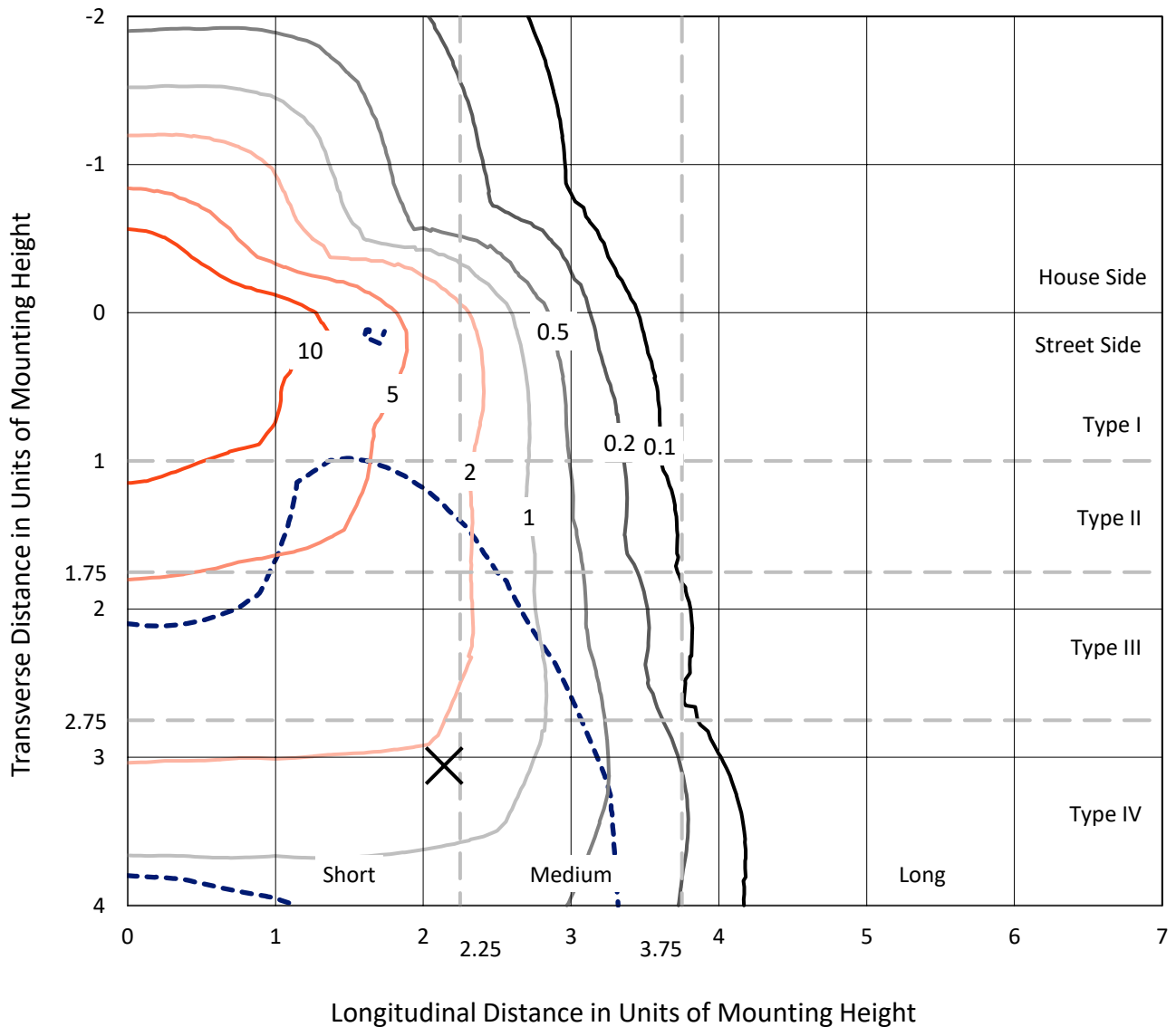
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

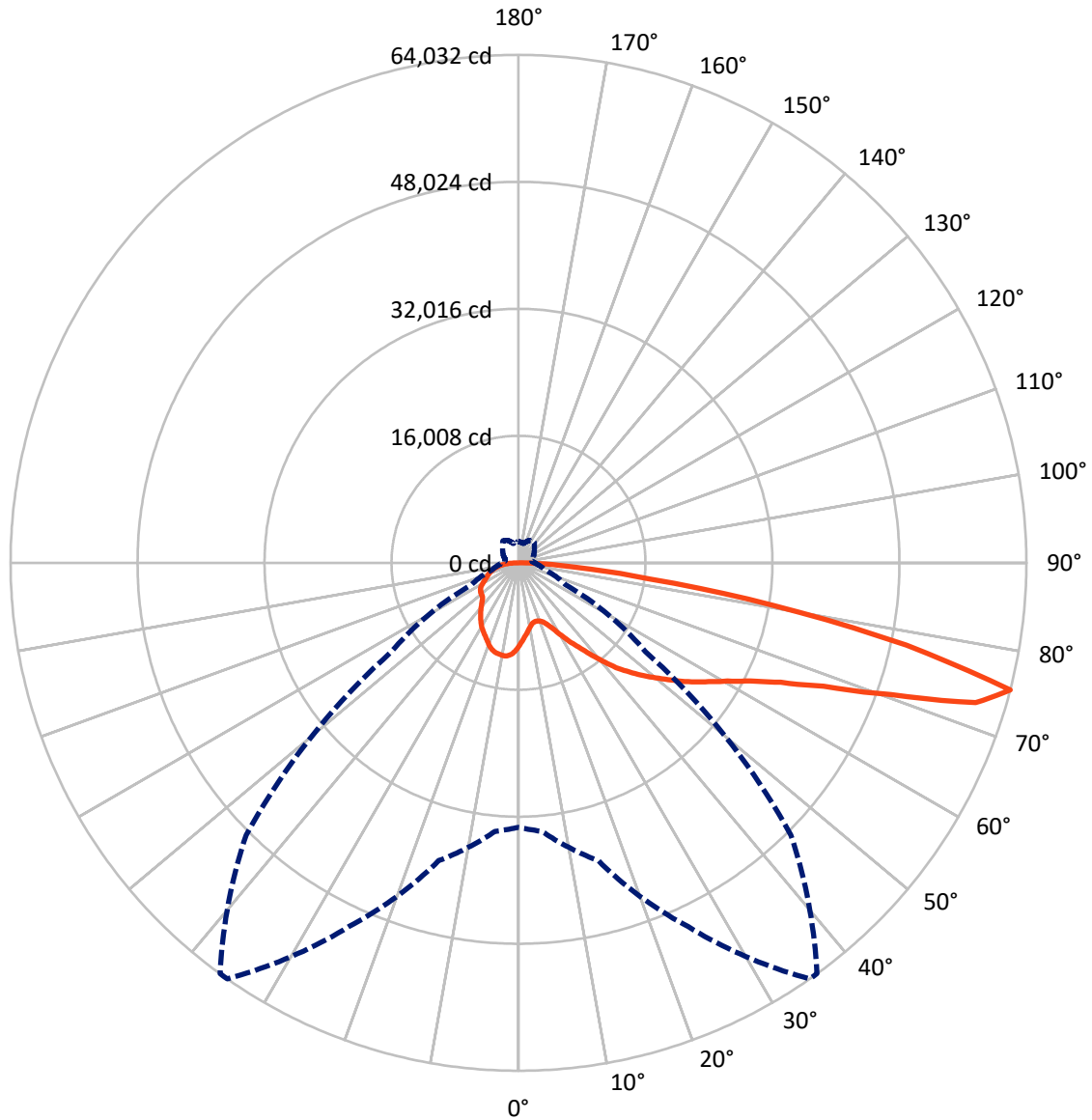
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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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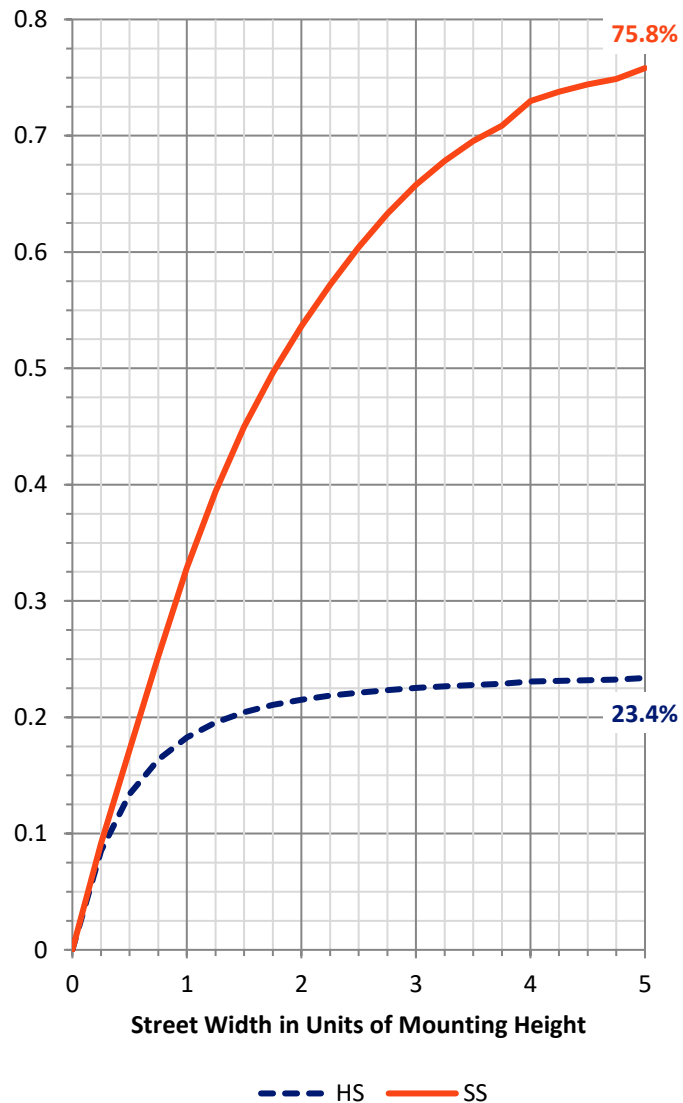
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18695.5	0.0	18695.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	59865.5	0.0	59865.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	78561.0	0.0	78561.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.2	1.3
10°-20°	2859.0	3.6
20°-30°	4801.0	6.1
30°-40°	7461.4	9.5
40°-50°	11074.8	14.1
50°-60°	15289.4	19.5
60°-70°	18549.5	23.6
70°-80°	15329.8	19.5
80°-90°	2204.9	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°	78561.0	100.0
0°-180°	78561.0	100.0

Coefficient of Utilization

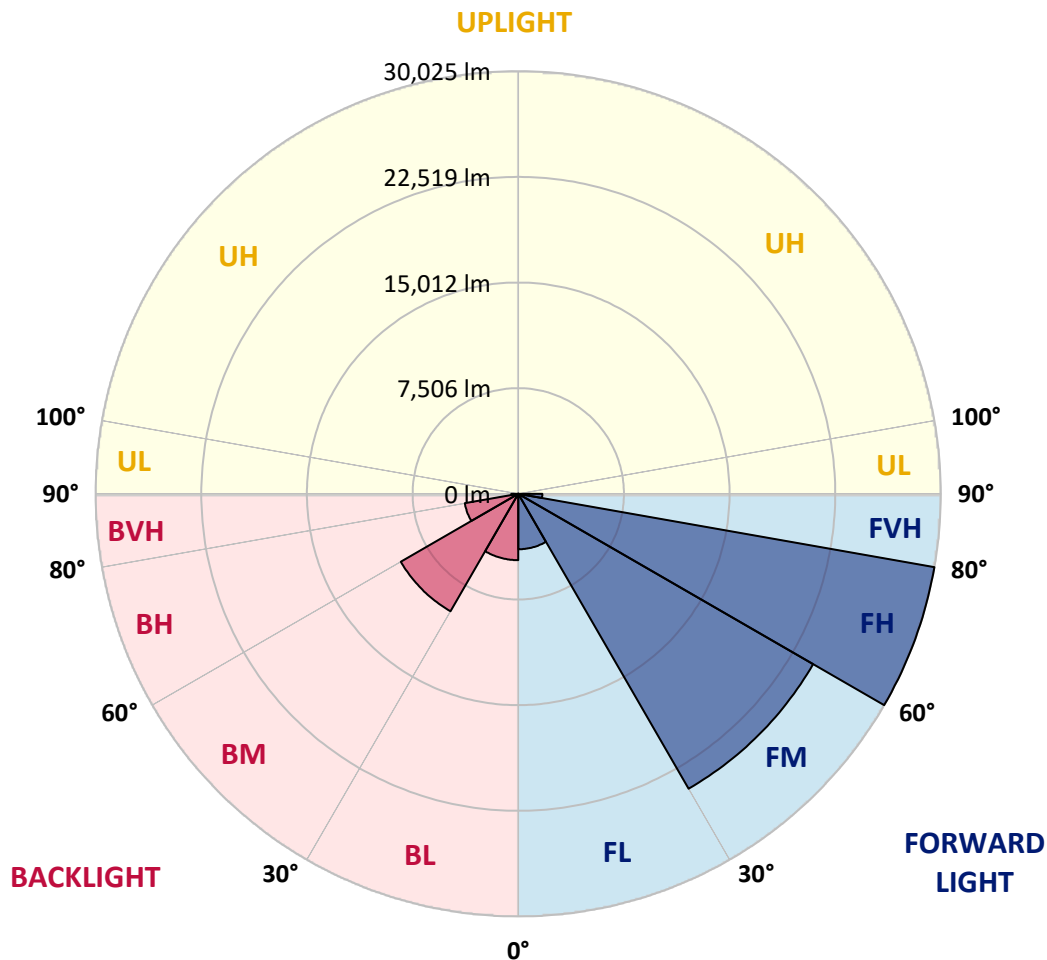


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3939.7	5.0			
FM (30°-60°)	24192.5	30.8			
FH (60°-80°)	30024.8	38.2			G5
FVH (80°-90°)	1708.4	2.2			G5
BL (0°-30°)	4711.5	6.0	B4/5000		
BM (30°-60°)	9633.1	12.3	B5		
BH (60°-80°)	3854.4	4.9	B4/5000		G4/5000
BVH (80°-90°)	496.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8
2.5°	9653.4	9712.8	9738.3	9725.6	9789.3	9780.8	9870.0	9980.4	10133.3	10281.9
5°	8910.1	8973.9	9029.1	9080.0	9203.2	9241.4	9381.6	9593.9	9874.2	10158.8
7.5°	8217.9	8273.1	8358.0	8451.5	8659.6	8697.8	8931.4	9262.6	9653.4	10069.6
10°	7653.0	7708.3	7797.4	7903.6	8162.7	8209.4	8506.7	8948.4	9458.0	9984.6
12.5°	7411.0	7428.0	7478.9	7585.1	7810.2	7839.9	8166.9	8672.3	9266.9	9920.9
15°	7398.2	7432.2	7436.4	7491.7	7678.5	7691.3	7992.8	8493.9	9148.0	9908.2
17.5°	7525.6	7551.1	7512.9	7546.9	7704.0	7725.2	7963.1	8409.0	9109.8	9963.4
20°	7865.4	7886.6	7772.0	7725.2	7839.9	7856.9	8090.5	8464.2	9148.0	10078.1
22.5°	8587.4	8600.1	8319.8	8128.7	8137.2	8145.7	8349.5	8689.3	9296.6	10286.2
25°	9712.8	9704.3	9258.4	8888.9	8676.6	8629.8	8765.7	9054.5	9547.2	10562.2
27.5°	11029.4	10965.7	10519.7	9967.6	9504.7	9436.8	9407.0	9530.2	9903.9	10927.5
30°	12515.8	12456.4	11976.5	11254.5	10613.2	10502.8	10222.5	10158.8	10434.8	11424.4
32.5°	14146.7	14108.4	13535.1	12660.2	11802.3	11674.9	11203.5	11033.6	11250.2	12176.1
35°	15514.2	15480.2	15004.6	14104.2	13055.2	12898.1	12418.1	12227.0	12337.5	13140.1
37.5°	16750.1	16733.1	16325.4	15616.1	14533.1	14342.0	13802.7	13739.0	13717.7	14410.0
40°	17896.7	17854.3	17429.6	17055.8	16253.2	16079.0	15603.4	15548.2	15386.8	15972.9
42.5°	19166.6	19056.2	18440.4	18266.2	18049.6	17905.2	17620.7	17629.2	17272.4	17735.4
45°	20202.8	20139.1	19506.3	19404.4	19638.0	19578.5	19824.9	19888.6	19196.3	19582.8
47.5°	21315.5	21256.1	20721.0	20648.8	21281.6	21298.6	22169.2	22190.4	21073.5	21502.4
50°	22687.3	22602.4	22071.5	22160.7	22869.9	22933.6	24526.3	24381.9	22802.0	23451.8
52.5°	23591.9	23642.9	23528.2	23672.6	24640.9	24700.4	26845.1	26475.6	24513.5	25375.7
55°	24258.7	24360.6	24717.4	25048.6	26509.6	26569.1	29032.3	28467.4	25932.0	27159.4
57.5°	25116.6	24972.2	25639.0	26284.5	28284.8	28442.0	31160.0	30387.1	27189.1	28696.8
60°	26348.2	26246.3	26764.4	27720.0	30272.4	30523.0	33410.9	32115.6	28110.7	29915.7
62.5°	28845.4	28590.6	28671.3	29516.5	32778.1	33109.4	35950.6	33623.3	28569.4	30391.3
65°	32578.5	32141.1	31733.4	32319.5	36307.4	36634.4	38817.3	34808.2	28399.5	29469.7
67.5°	37279.9	36846.7	36345.6	36897.7	41505.7	41764.7	42355.0	35475.0	27061.7	25919.3
70°	41157.4	40996.0	41594.8	43867.0	49808.5	49817.0	46890.8	34922.8	23396.6	18376.6
72.5°	40643.5	40545.8	43701.3	50725.8	60273.0	60047.9	51184.5	30743.8	15760.5	8290.1
75°	33343.0	33975.8	38864.0	50602.7	64031.6	64001.9	48555.6	19544.6	6519.1	3435.8
77.5°	17879.7	18882.0	25231.3	37360.6	49986.9	50738.6	34137.2	6837.6	2798.8	2199.9
80°	5831.1	6706.0	10056.8	19022.2	32480.8	32340.7	14630.8	2684.1	1915.4	1558.6
82.5°	2476.0	2577.9	4493.3	8982.3	16669.4	16410.3	4658.9	1541.7	1346.3	1066.0
85°	968.3	1083.0	1983.3	4153.5	7219.9	7062.7	1681.8	764.5	862.1	696.5
87.5°	318.5	386.5	709.2	1422.7	2246.6	2166.0	412.0	263.3	373.7	318.5
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°
10468.8	0°	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8	10468.8
10498.5	2.5°	10558.0	10625.9	10706.6	10825.5	10927.5	11012.4	11101.6	11156.8	11178.0	11241.7
10515.5	5°	10634.4	10783.1	10982.7	11178.0	11369.1	11483.8	11585.7	11636.7	11683.4	11717.4
10562.2	7.5°	10761.8	10952.9	11267.2	11522.0	11683.4	11776.9	11844.8	11827.8	11844.8	11853.3
10613.2	10°	10872.2	11139.8	11513.5	11755.6	11878.8	11883.0	11866.0	11806.6	11776.9	11781.1
10689.6	12.5°	11003.9	11301.2	11704.7	11908.5	11942.5	11849.1	11776.9	11674.9	11636.7	11619.7
10804.3	15°	11182.3	11522.0	11912.8	11989.2	11904.3	11785.3	11662.2	11496.6	11411.6	11343.7
10999.7	17.5°	11398.9	11772.6	12074.1	12018.9	11836.3	11640.9	11441.3	11190.8	11016.6	10944.4
11267.2	20°	11700.4	12035.9	12197.3	11955.2	11679.2	11381.9	11042.1	10736.3	10575.0	10502.8
11607.0	22.5°	12065.6	12388.4	12316.2	11844.8	11454.1	10978.4	10553.7	10328.6	10247.9	10197.0
12044.4	25°	12503.1	12779.1	12401.2	11683.4	11084.6	10443.3	10116.3	10044.1	10005.9	9967.6
12579.5	27.5°	13072.2	13220.8	12464.9	11445.6	10507.0	9874.2	9755.3	9768.0	9755.3	9691.6
13322.7	30°	13823.9	13794.2	12524.3	11059.1	9844.5	9360.3	9368.8	9424.0	9432.5	9390.1
14359.0	32.5°	14813.4	14511.9	12554.0	10558.0	9211.7	8910.1	8918.6	8978.1	9020.6	8948.4
15713.8	35°	16011.1	15348.6	12507.3	9929.4	8723.3	8481.2	8417.5	8434.5	8447.2	8379.3
17357.4	37.5°	17408.3	16287.1	12299.2	9232.9	8319.8	8060.8	7924.8	7810.2	7742.2	7678.5
19217.5	40°	18941.5	17310.7	11917.0	8553.4	7869.6	7614.8	7411.0	7194.4	6965.0	6880.1
21188.1	42.5°	20546.8	18363.9	11454.1	7903.6	7351.5	7143.4	6926.8	6612.5	6268.5	6094.4
23235.2	45°	22211.7	19442.6	10999.7	7262.3	6820.6	6731.4	6480.9	6102.9	5729.2	5508.3
25286.5	47.5°	23842.5	20461.9	10332.9	6616.8	6323.7	6421.4	6226.1	5877.8	5461.6	5113.4
27320.8	50°	25401.1	21417.5	9241.4	5962.7	5920.3	6328.0	6141.1	5640.0	5164.3	4718.4
29316.8	52.5°	26947.0	22190.4	7844.2	5368.2	5703.7	6302.5	6030.7	5478.6	4896.8	4429.6
31194.0	55°	28259.3	22589.6	6497.9	4858.5	5389.4	6085.9	5899.0	5287.5	4518.8	4021.9
32480.8	57.5°	29006.8	22266.9	5376.7	4357.4	4956.2	5729.2	5674.0	4879.8	4068.6	3686.4
32731.4	60°	28684.0	20958.8	4459.3	3920.0	4544.3	5342.7	5283.2	4476.3	3724.6	3363.6
31389.4	62.5°	26904.6	18465.8	3733.1	3537.7	4170.5	4947.7	4892.5	4166.3	3461.3	3113.0
27826.2	65°	23320.1	15021.5	3168.2	3219.2	3792.5	4472.1	4552.8	3907.2	3253.2	2913.4
21527.9	67.5°	17786.3	10880.7	2726.6	2943.2	3423.1	4004.9	4238.5	3720.3	3079.1	2756.3
12456.4	70°	10137.5	6179.3	2352.8	2675.6	3096.0	3571.7	3996.4	3571.7	2892.2	2624.6
4667.4	72.5°	3843.5	2837.0	2034.3	2408.0	2781.8	3206.5	3728.8	3338.1	2675.6	2476.0
2412.3	75°	2051.3	1728.5	1711.5	2093.8	2420.8	2849.7	3393.3	3108.8	2514.2	2616.1
1669.1	77.5°	1397.3	1223.1	1431.2	1792.2	2025.8	2454.7	3036.6	2760.5	2178.7	2170.2
1155.2	80°	968.3	866.4	1163.7	1444.0	1567.1	2064.0	2650.1	2369.8	1775.2	1656.3
713.5	82.5°	581.8	564.8	870.6	1078.7	1108.5	1592.6	2195.7	1987.6	1452.5	1265.6
424.7	85°	318.5	335.5	556.4	632.8	645.5	1112.7	1720.0	1537.4	1117.0	938.6
152.9	87.5°	89.2	114.7	203.9	250.6	310.0	577.6	1023.5	913.1	560.6	390.7
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°
10468.8
11237.5
11725.9
11866.0
11789.6
11611.2
11364.9
10948.7
10494.3
10205.5
9967.6
9704.3
9411.3
8982.3
8426.0
7721.0
6918.3
6115.6
5491.3
5075.1
4680.2
4378.6
3979.4
3635.4
3312.6
3057.8
2858.2
2705.3
2590.7
2442.0
2701.1
2000.3
1584.1
1274.1
947.1
390.7
0.0

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