

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: P852695

Luminaire Tested: **GLAN-SB5D-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852695
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-SB5D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39729 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

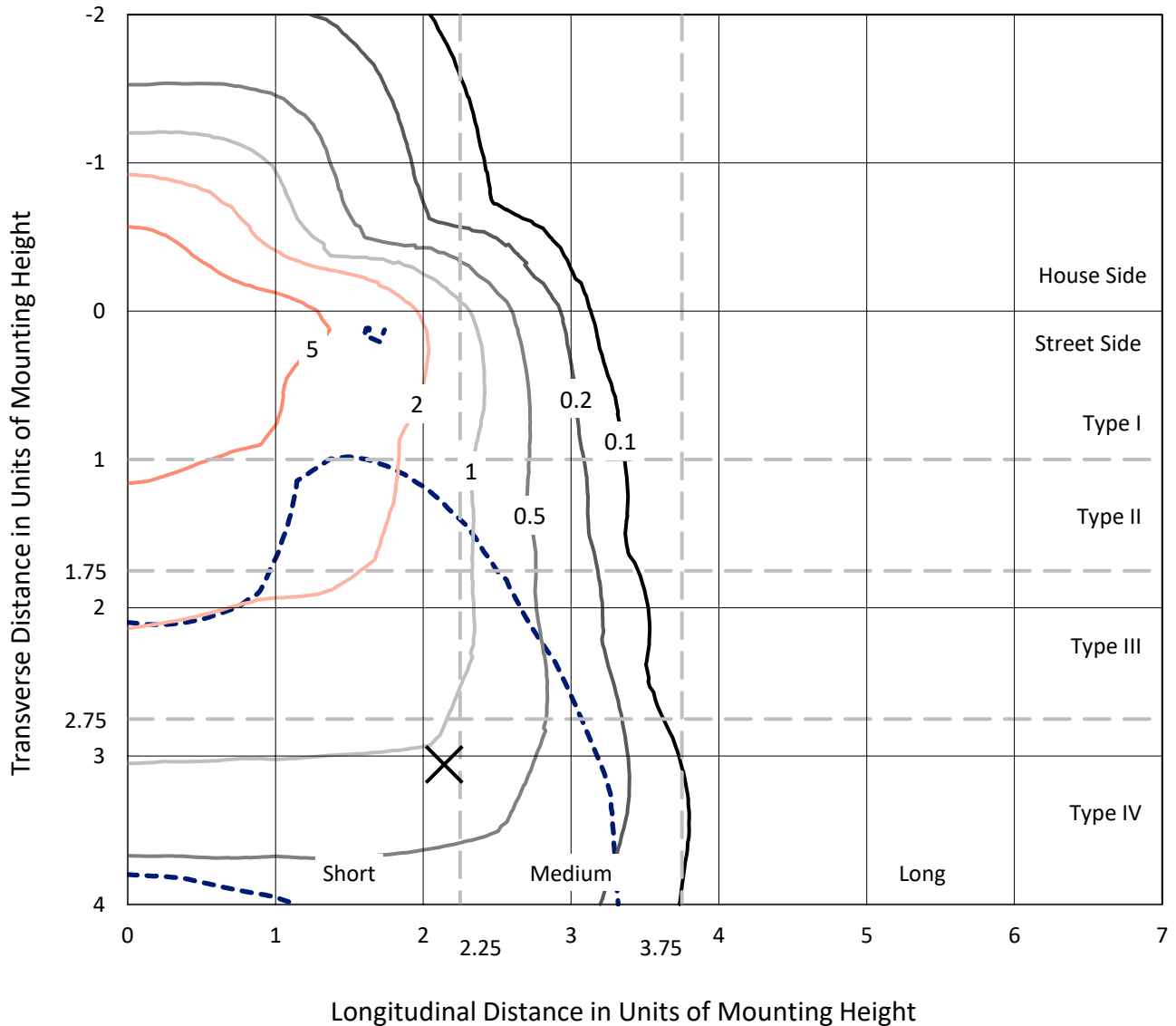
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

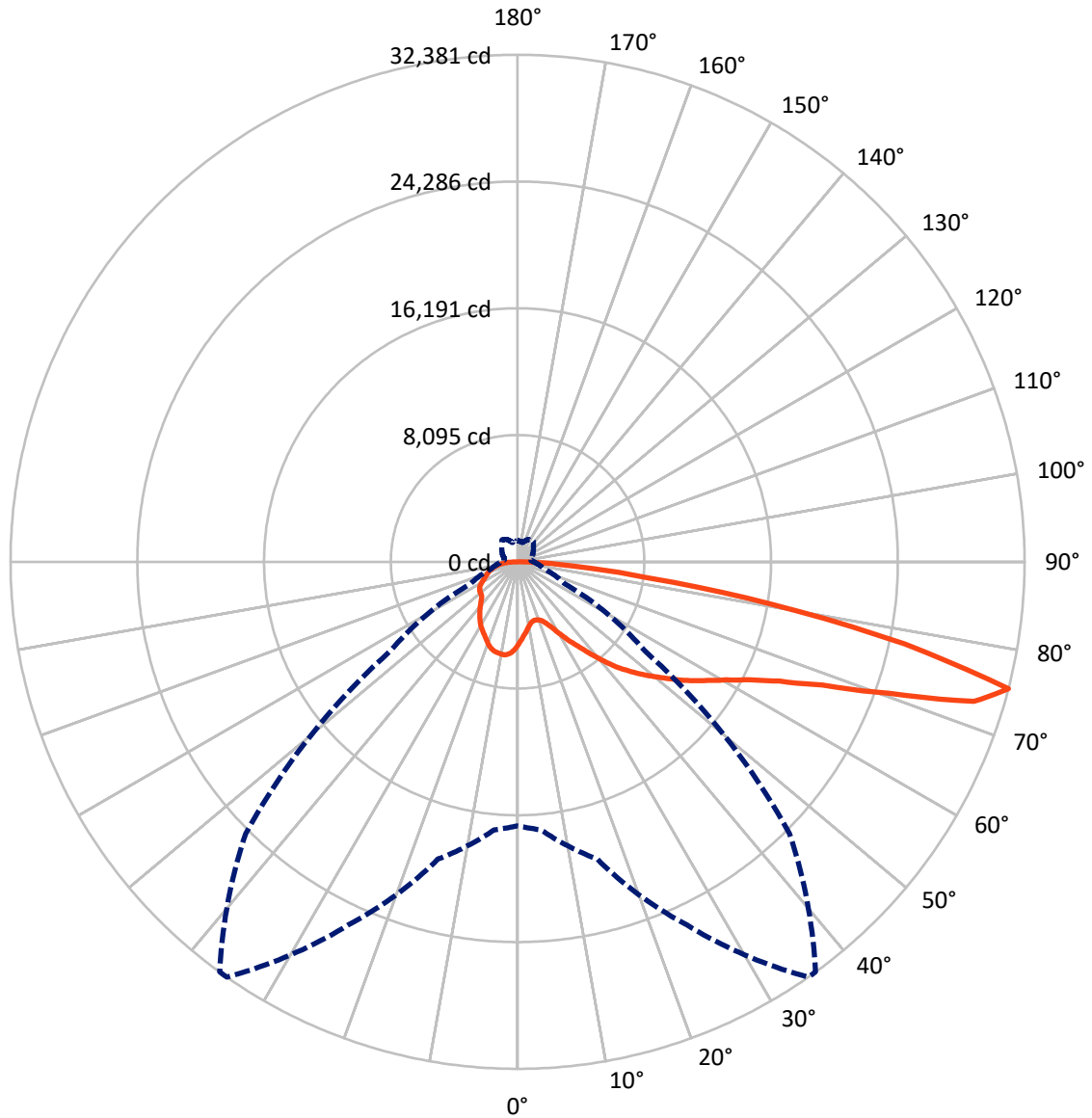
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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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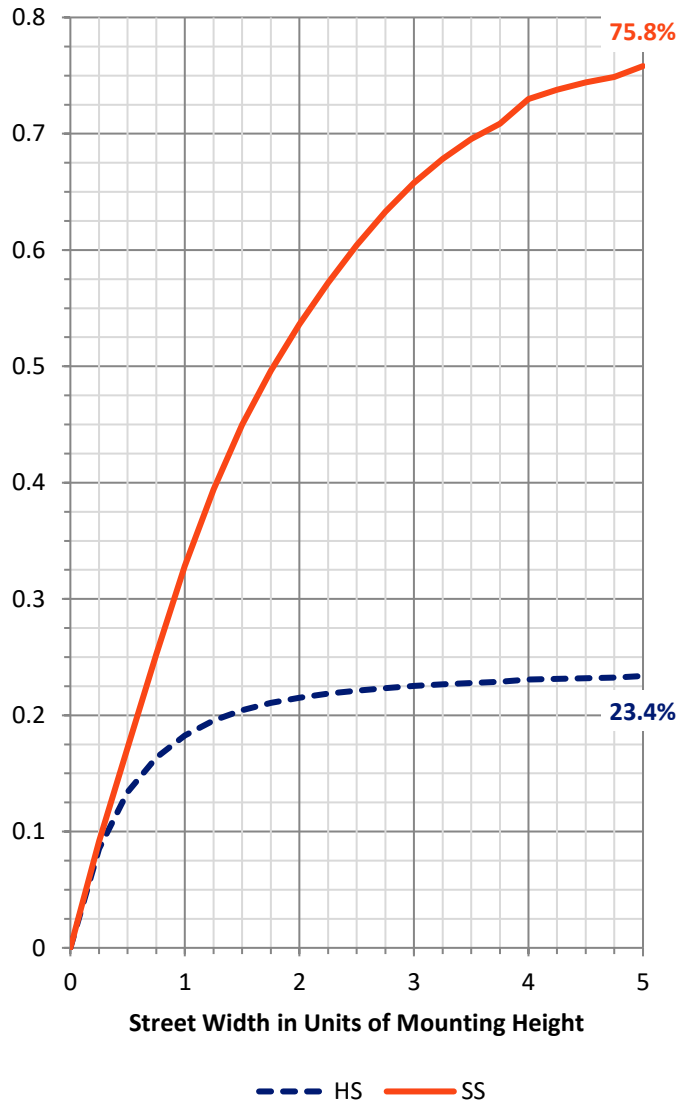
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9454.5	0.0	9454.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	30274.5	0.0	30274.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	39729.0	0.0	39729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	1.3
10°-20°	1445.8	3.6
20°-30°	2427.9	6.1
30°-40°	3773.3	9.5
40°-50°	5600.6	14.1
50°-60°	7732.0	19.5
60°-70°	9380.7	23.6
70°-80°	7752.4	19.5
80°-90°	1115.0	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°	39729.0	100.0
0°-180°	39729.0	100.0

Coefficient of Utilization



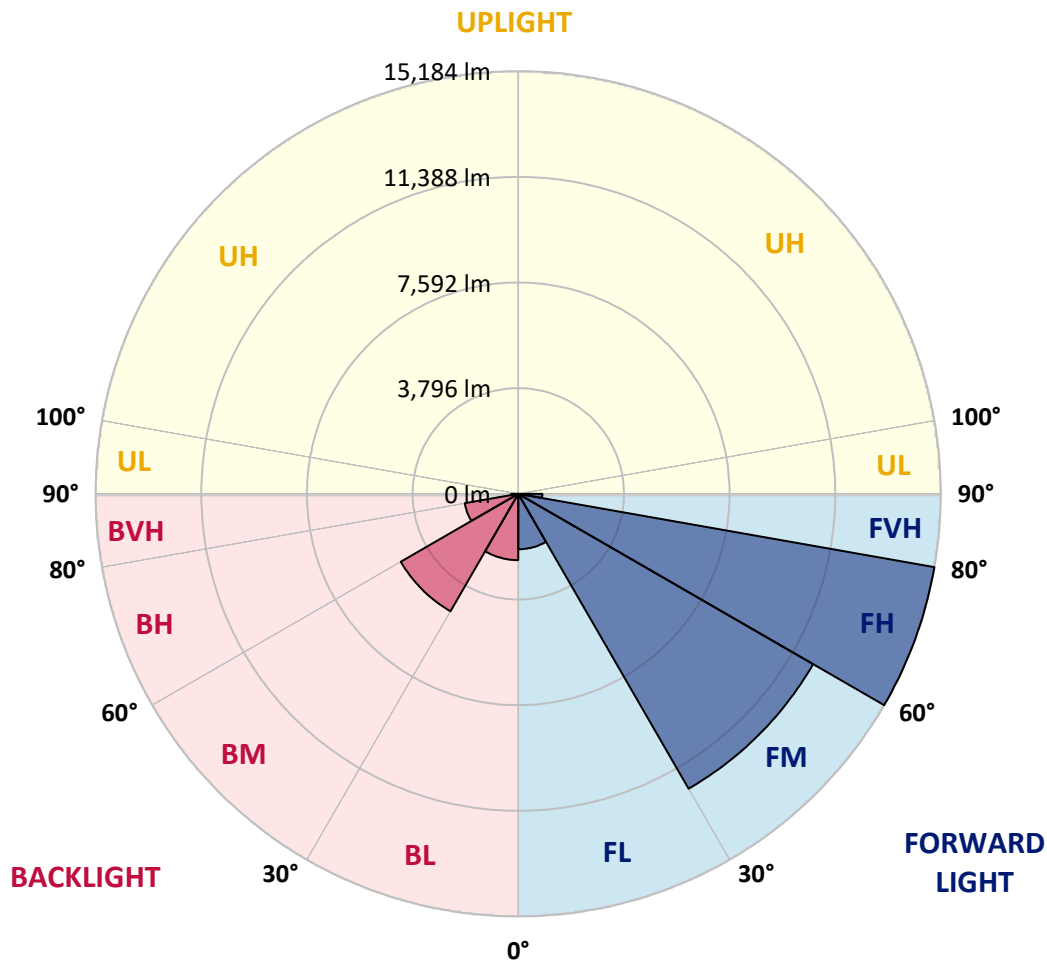
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1992.3	5.0			
FM (30°-60°)	12234.4	30.8			
FH (60°-80°)	15183.8	38.2			G5
FVH (80°-90°)	864.0	2.2			G5
BL (0°-30°)	2382.7	6.0	B3/2500		
BM (30°-60°)	4871.5	12.3	B3/5000		
BH (60°-80°)	1949.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	251.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2
2.5°	4881.8	4911.9	4924.7	4918.3	4950.5	4946.2	4991.3	5047.2	5124.5	5199.7
5°	4505.9	4538.2	4566.1	4591.8	4654.1	4673.5	4744.3	4851.7	4993.5	5137.4
7.5°	4155.9	4183.8	4226.7	4274.0	4379.2	4398.6	4516.7	4684.2	4881.8	5092.3
10°	3870.2	3898.1	3943.2	3996.9	4127.9	4151.6	4301.9	4525.3	4783.0	5049.3
12.5°	3747.8	3756.4	3782.2	3835.8	3949.7	3964.7	4130.1	4385.7	4686.4	5017.1
15°	3741.3	3758.5	3760.7	3788.6	3883.1	3889.5	4042.0	4295.5	4626.2	5010.7
17.5°	3805.8	3818.7	3799.3	3816.5	3896.0	3906.7	4027.0	4252.5	4606.9	5038.6
20°	3977.6	3988.3	3930.3	3906.7	3964.7	3973.3	4091.4	4280.4	4626.2	5096.6
22.5°	4342.7	4349.2	4207.4	4110.8	4115.1	4119.3	4222.4	4394.3	4701.4	5201.8
25°	4911.9	4907.6	4682.1	4495.2	4387.8	4364.2	4432.9	4579.0	4828.1	5341.4
27.5°	5577.7	5545.4	5319.9	5040.7	4806.6	4772.3	4757.2	4819.5	5008.5	5526.1
30°	6329.4	6299.3	6056.6	5691.5	5367.2	5311.3	5169.6	5137.4	5277.0	5777.4
32.5°	7154.1	7134.8	6844.8	6402.4	5968.5	5904.1	5665.7	5579.8	5689.3	6157.5
35°	7845.7	7828.5	7587.9	7132.6	6602.1	6522.7	6280.0	6183.3	6239.2	6645.1
37.5°	8470.7	8462.1	8255.9	7897.2	7349.5	7252.9	6980.1	6947.9	6937.2	7287.3
40°	9050.5	9029.1	8814.3	8625.3	8219.4	8131.3	7890.8	7862.8	7781.2	8077.6
42.5°	9692.7	9636.9	9325.4	9237.4	9127.9	9054.8	8910.9	8915.2	8734.8	8968.9
45°	10216.8	10184.5	9864.5	9813.0	9931.1	9901.0	10025.6	10057.8	9707.7	9903.2
47.5°	10779.5	10749.4	10478.8	10442.3	10762.3	10770.9	11211.2	11221.9	10657.0	10874.0
50°	11473.2	11430.2	11161.8	11206.9	11565.5	11597.7	12403.1	12330.1	11531.2	11859.8
52.5°	11930.6	11956.4	11898.4	11971.5	12461.1	12491.2	13575.8	13389.0	12396.7	12832.7
55°	12267.8	12319.4	12499.8	12667.3	13406.1	13436.2	14681.9	14396.2	13114.0	13734.7
57.5°	12701.7	12628.7	12965.9	13292.3	14303.9	14383.4	15757.9	15367.0	13749.8	14512.2
60°	13324.5	13273.0	13535.0	14018.2	15309.0	15435.7	16896.2	16241.1	14215.8	15128.6
62.5°	14587.4	14458.5	14499.3	14926.7	16576.2	16743.7	18180.5	17003.6	14447.8	15369.2
65°	16475.2	16254.0	16047.8	16344.2	18361.0	18526.3	19630.3	17602.8	14361.9	14903.1
67.5°	18852.8	18633.7	18380.3	18659.5	20989.8	21120.8	21419.3	17940.0	13685.3	13107.6
70°	20813.7	20732.1	21034.9	22183.9	25188.6	25192.9	23713.1	17660.8	11831.9	9293.2
72.5°	20553.8	20504.4	22100.2	25652.5	30480.6	30366.8	25884.5	15547.4	7970.2	4192.4
75°	16861.8	17181.9	19653.9	25590.2	32381.3	32366.3	24555.0	9883.9	3296.8	1737.5
77.5°	9041.9	9548.8	12759.7	18893.6	25278.8	25658.9	17263.5	3457.8	1415.4	1112.5
80°	2948.8	3391.3	5085.8	9619.7	16425.9	16355.0	7398.9	1357.4	968.6	788.2
82.5°	1252.1	1303.7	2272.3	4542.5	8429.8	8298.8	2356.1	779.6	680.8	539.1
85°	489.7	547.7	1003.0	2100.5	3651.1	3571.7	850.5	386.6	436.0	352.2
87.5°	161.1	195.4	358.7	719.5	1136.1	1095.3	208.3	133.2	189.0	161.1
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°
5294.2	0°	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2	5294.2
5309.2	2.5°	5339.3	5373.6	5414.4	5474.6	5526.1	5569.1	5614.2	5642.1	5652.8	5685.0
5317.8	5°	5377.9	5453.1	5554.0	5652.8	5749.5	5807.5	5859.0	5884.8	5908.4	5925.6
5341.4	7.5°	5442.4	5539.0	5697.9	5826.8	5908.4	5955.7	5990.0	5981.4	5990.0	5994.3
5367.2	10°	5498.2	5633.5	5822.5	5944.9	6007.2	6009.4	6000.8	5970.7	5955.7	5957.8
5405.8	12.5°	5564.8	5715.1	5919.1	6022.2	6039.4	5992.2	5955.7	5904.1	5884.8	5876.2
5463.8	15°	5655.0	5826.8	6024.4	6063.0	6020.1	5960.0	5897.7	5813.9	5771.0	5736.6
5562.6	17.5°	5764.5	5953.5	6106.0	6078.1	5985.7	5886.9	5786.0	5659.3	5571.2	5534.7
5697.9	20°	5917.0	6086.7	6168.3	6045.9	5906.3	5755.9	5584.1	5429.5	5347.9	5311.3
5869.8	22.5°	6101.7	6264.9	6228.4	5990.0	5792.4	5551.9	5337.1	5223.3	5182.5	5156.7
6091.0	25°	6322.9	6462.5	6271.4	5908.4	5605.6	5281.3	5115.9	5079.4	5060.1	5040.7
6361.6	27.5°	6610.7	6685.9	6303.6	5788.1	5313.5	4993.5	4933.3	4939.8	4933.3	4901.1
6737.4	30°	6990.9	6975.8	6333.7	5592.7	4978.4	4733.6	4737.9	4765.8	4770.1	4748.6
7261.5	32.5°	7491.3	7338.8	6348.7	5339.3	4658.4	4505.9	4510.2	4540.3	4561.8	4525.3
7946.6	35°	8096.9	7761.9	6325.1	5021.4	4411.4	4289.0	4256.8	4265.4	4271.8	4237.5
8777.8	37.5°	8803.6	8236.6	6219.8	4669.2	4207.4	4076.4	4007.7	3949.7	3915.3	3883.1
9718.5	40°	9578.9	8754.2	6026.5	4325.5	3979.7	3850.9	3747.8	3638.3	3522.3	3479.3
10715.0	42.5°	10390.7	9286.8	5792.4	3996.9	3717.7	3612.5	3502.9	3344.0	3170.1	3082.0
11750.2	45°	11232.6	9832.3	5562.6	3672.6	3449.3	3404.2	3277.4	3086.3	2897.3	2785.6
12787.6	47.5°	12057.4	10347.8	5225.4	3346.2	3198.0	3247.4	3148.6	2972.5	2762.0	2585.9
13816.4	50°	12845.6	10831.0	4673.5	3015.4	2993.9	3200.1	3105.6	2852.2	2611.6	2386.1
14825.8	52.5°	13627.4	11221.9	3966.9	2714.7	2884.4	3187.2	3049.8	2770.6	2476.3	2240.1
15775.1	55°	14291.0	11423.8	3286.0	2457.0	2725.5	3077.7	2983.2	2673.9	2285.2	2033.9
16425.9	57.5°	14669.0	11260.6	2719.0	2203.6	2506.4	2897.3	2869.4	2467.7	2057.5	1864.2
16552.6	60°	14505.8	10599.1	2255.1	1982.4	2298.1	2701.8	2671.8	2263.7	1883.6	1701.0
15873.9	62.5°	13605.9	9338.3	1887.9	1789.1	2109.1	2502.1	2474.2	2106.9	1750.4	1574.3
14071.9	65°	11793.2	7596.5	1602.2	1628.0	1917.9	2261.6	2302.4	1975.9	1645.2	1473.3
10886.9	67.5°	8994.7	5502.5	1378.8	1488.4	1731.1	2025.3	2143.4	1881.4	1557.1	1393.9
6299.3	70°	5126.6	3124.9	1189.8	1353.1	1565.7	1806.2	2021.0	1806.2	1462.6	1327.3
2360.4	72.5°	1943.7	1434.7	1028.8	1217.8	1406.8	1621.5	1885.7	1688.1	1353.1	1252.1
1219.9	75°	1037.4	874.1	865.5	1058.8	1224.2	1441.1	1716.0	1572.1	1271.5	1323.0
844.1	77.5°	706.6	618.5	723.8	906.3	1024.5	1241.4	1535.6	1396.0	1101.8	1097.5
584.2	80°	489.7	438.1	588.5	730.2	792.5	1043.8	1340.2	1198.4	897.8	837.6
360.8	82.5°	294.2	285.6	440.3	545.5	560.6	805.4	1110.4	1005.1	734.5	640.0
214.8	85°	161.1	169.7	281.4	320.0	326.5	562.7	869.8	777.5	564.9	474.6
77.3	87.5°	45.1	58.0	103.1	126.7	156.8	292.1	517.6	461.8	283.5	197.6
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°
5294.2
5682.9
5929.9
6000.8
5962.1
5871.9
5747.3
5536.9
5307.0
5161.0
5040.7
4907.6
4759.4
4542.5
4261.1
3904.6
3498.7
3092.7
2777.0
2566.5
2366.8
2214.3
2012.4
1838.5
1675.2
1546.4
1445.4
1368.1
1310.1
1234.9
1366.0
1011.6
801.1
644.3
478.9
197.6
0.0

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