

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: P853041

Luminaire Tested: **GLAN-SB8B-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853041
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-SB8B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44163 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

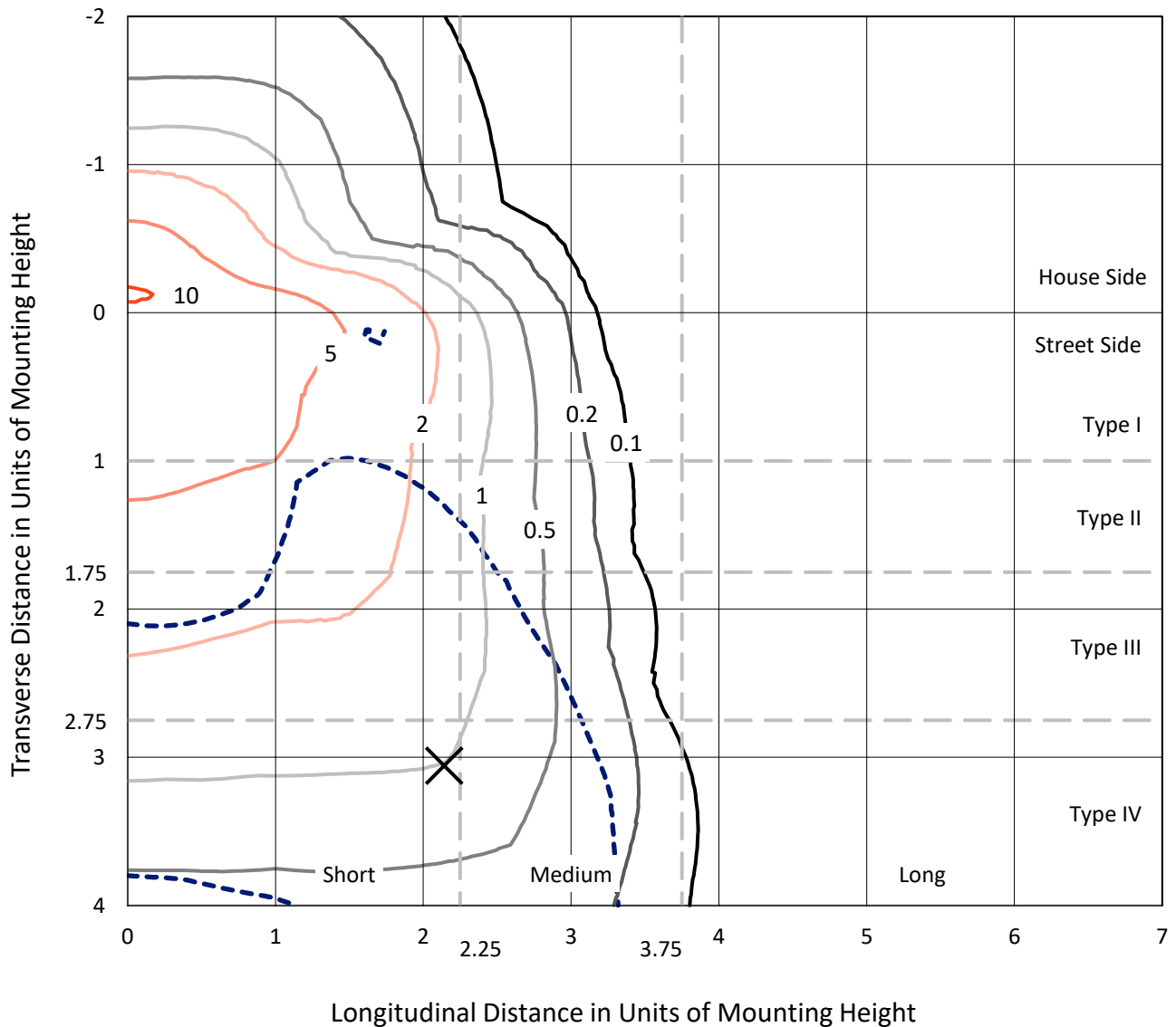
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

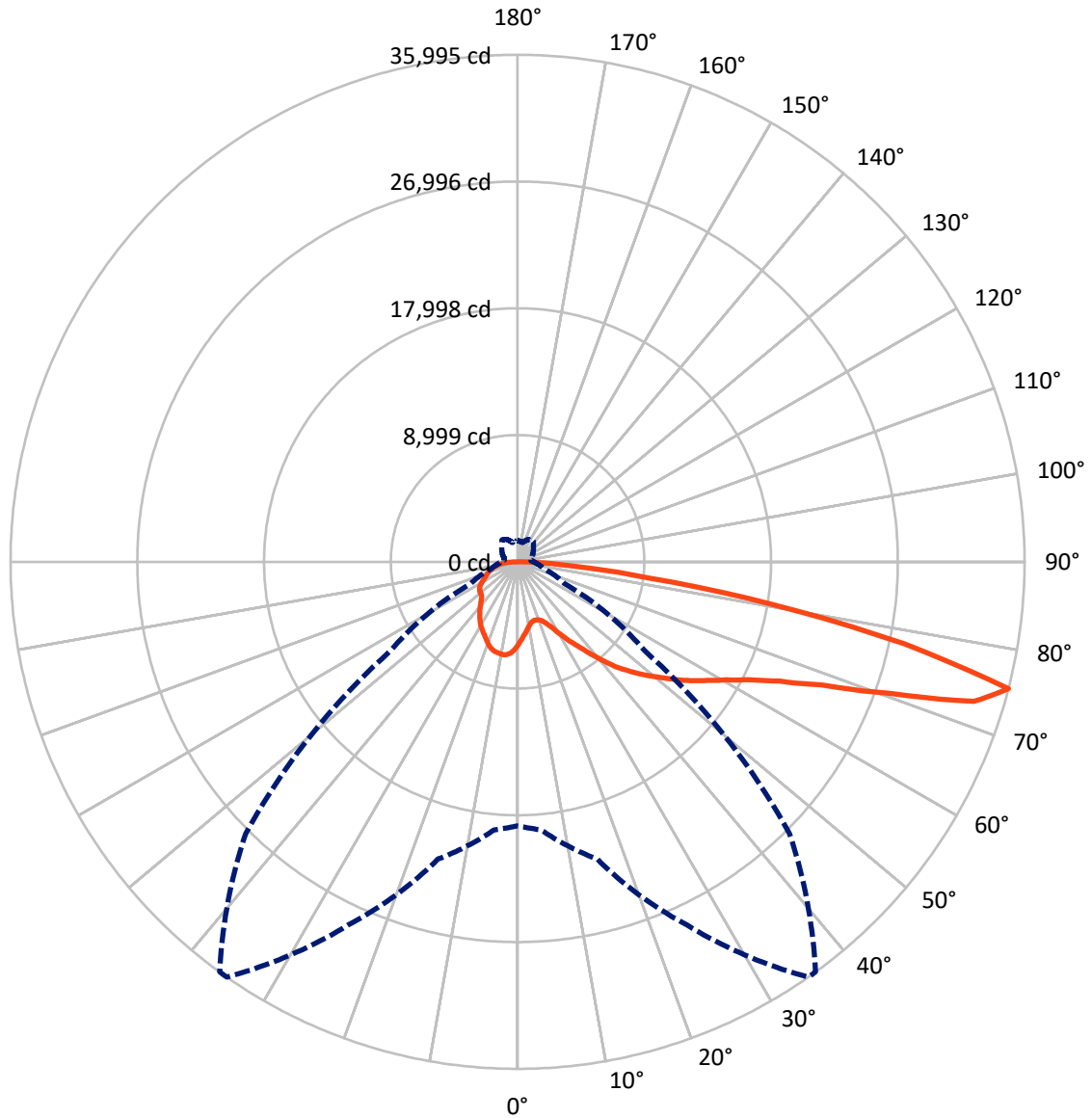
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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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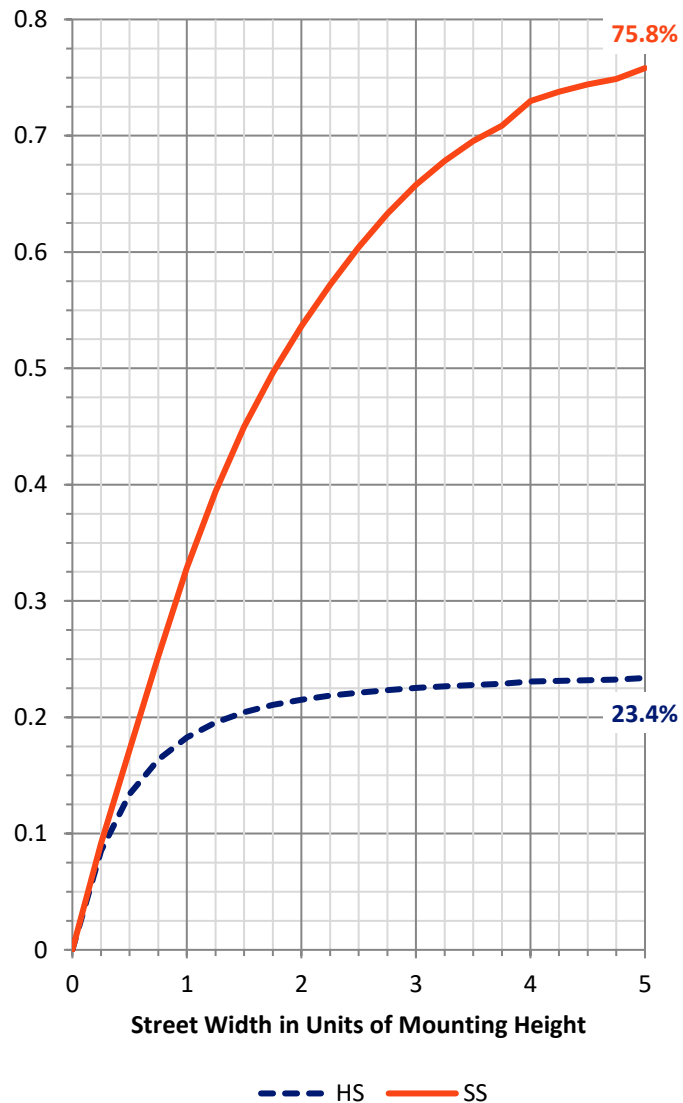
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10509.7	0.0	10509.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	33653.3	0.0	33653.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	44163.0	0.0	44163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.2	1.3
10°-20°	1607.2	3.6
20°-30°	2698.9	6.1
30°-40°	4194.4	9.5
40°-50°	6225.7	14.1
50°-60°	8594.9	19.5
60°-70°	10427.6	23.6
70°-80°	8617.6	19.5
80°-90°	1239.5	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°	44163.0	100.0
0°-180°	44163.0	100.0

Coefficient of Utilization

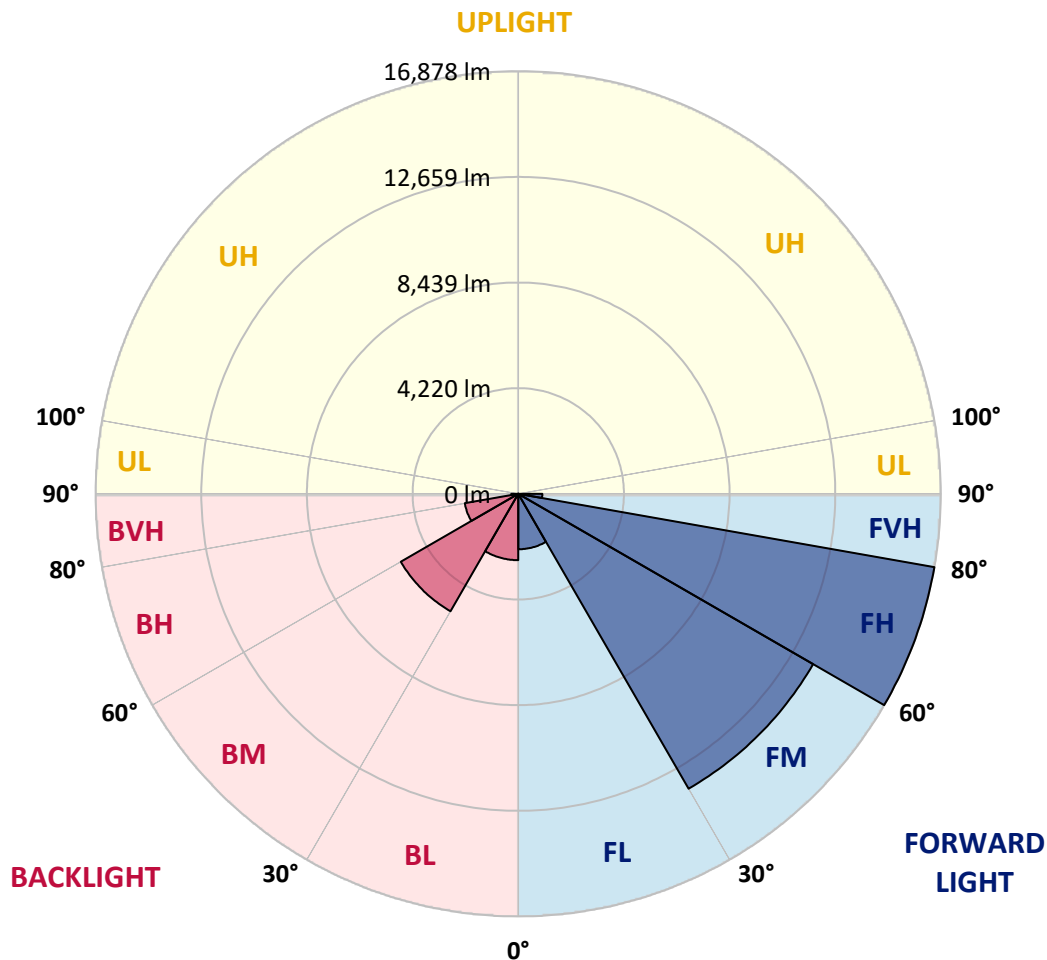


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2214.7	5.0			
FM (30°-60°)	13599.8	30.8			
FH (60°-80°)	16878.4	38.2			G5
FVH (80°-90°)	960.4	2.2			G5
BL (0°-30°)	2648.6	6.0	B4/5000		
BM (30°-60°)	5415.2	12.3	B4/8500		
BH (60°-80°)	2166.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	279.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0
2.5°	5426.6	5460.1	5474.4	5467.2	5503.0	5498.3	5548.4	5610.5	5696.4	5780.0
5°	5008.8	5044.6	5075.7	5104.3	5173.6	5195.1	5273.8	5393.2	5550.8	5710.7
7.5°	4619.7	4650.7	4698.5	4751.0	4868.0	4889.5	5020.8	5207.0	5426.6	5660.6
10°	4302.2	4333.2	4383.3	4443.0	4588.6	4614.9	4782.0	5030.3	5316.8	5612.9
12.5°	4166.1	4175.6	4204.3	4264.0	4390.5	4407.2	4591.0	4875.1	5209.4	5577.0
15°	4158.9	4178.0	4180.4	4211.4	4316.5	4323.6	4493.1	4774.9	5142.5	5569.9
17.5°	4230.5	4244.9	4223.4	4242.5	4330.8	4342.7	4476.4	4727.1	5121.0	5600.9
20°	4421.5	4433.5	4369.0	4342.7	4407.2	4416.7	4548.1	4758.2	5142.5	5665.4
22.5°	4827.4	4834.5	4677.0	4569.5	4574.3	4579.1	4693.7	4884.7	5226.1	5782.4
25°	5460.1	5455.3	5204.6	4996.9	4877.5	4851.3	4927.7	5090.0	5366.9	5937.5
27.5°	6200.2	6164.3	5913.7	5603.3	5343.1	5304.9	5288.2	5357.4	5567.5	6142.9
30°	7035.8	7002.3	6732.6	6326.7	5966.2	5904.1	5746.5	5710.7	5865.9	6422.2
32.5°	7952.5	7931.0	7608.7	7116.9	6634.7	6563.0	6298.0	6202.5	6324.3	6844.8
35°	8721.3	8702.2	8434.8	7928.7	7339.0	7250.6	6980.8	6873.4	6935.5	7386.7
37.5°	9416.0	9406.5	9177.3	8778.6	8169.8	8062.4	7759.2	7723.3	7711.4	8100.6
40°	10060.6	10036.8	9798.0	9587.9	9136.7	9038.8	8771.4	8740.4	8649.7	8979.1
42.5°	10774.5	10712.4	10366.2	10268.3	10146.6	10065.4	9905.5	9910.2	9709.7	9969.9
45°	11357.0	11321.2	10965.5	10908.2	11039.5	11006.1	11144.5	11180.3	10791.2	11008.4
47.5°	11982.5	11949.1	11648.3	11607.7	11963.4	11973.0	12462.4	12474.3	11846.4	12087.6
50°	12753.7	12705.9	12407.5	12457.6	12856.3	12892.1	13787.4	13706.2	12818.1	13183.4
52.5°	13262.2	13290.8	13226.4	13307.5	13851.9	13885.3	15091.0	14883.2	13780.3	14264.9
55°	13637.0	13694.3	13894.9	14081.1	14902.3	14935.8	16320.5	16003.0	14577.7	15267.6
57.5°	14119.3	14038.1	14412.9	14775.8	15900.3	15988.6	17516.6	17082.1	15284.3	16131.9
60°	14811.6	14754.3	15045.6	15582.8	17017.6	17158.5	18781.9	18053.8	15802.4	16817.1
62.5°	16215.4	16072.2	16117.5	16592.6	18426.2	18612.4	20209.6	18901.3	16060.3	17084.5
65°	18314.0	18068.1	17838.9	18168.4	20410.2	20594.0	21821.1	19567.4	15964.8	16566.4
67.5°	20956.9	20713.4	20431.6	20742.0	23332.4	23478.0	23809.9	19942.2	15212.7	14570.5
70°	23136.6	23045.9	23382.5	24659.8	27999.8	28004.6	26359.6	19631.8	13152.4	10330.4
72.5°	22847.7	22792.8	24566.7	28515.5	33882.4	33755.9	28773.3	17282.6	8859.8	4660.3
75°	18743.7	19099.5	21847.4	28446.2	35995.3	35978.6	27295.5	10987.0	3664.7	1931.4
77.5°	10051.1	10614.5	14183.7	21002.2	28100.1	28522.6	19190.2	3843.8	1573.3	1236.7
80°	3277.9	3769.8	5653.4	10693.3	18259.1	18180.3	8224.7	1508.9	1076.7	876.2
82.5°	1391.9	1449.2	2525.9	5049.4	9370.7	9225.0	2619.0	866.6	756.8	599.2
85°	544.3	608.8	1114.9	2334.9	4058.6	3970.3	945.4	429.7	484.6	391.5
87.5°	179.1	217.3	398.7	799.8	1263.0	1217.6	231.6	148.0	210.1	179.1
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°
5885.0	0°	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0	5885.0
5901.7	2.5°	5935.2	5973.4	6018.7	6085.6	6142.9	6190.6	6240.7	6271.8	6283.7	6319.5
5911.3	5°	5978.1	6061.7	6173.9	6283.7	6391.2	6455.6	6512.9	6541.6	6567.8	6586.9
5937.5	7.5°	6049.8	6157.2	6333.9	6477.1	6567.8	6620.3	6658.5	6649.0	6658.5	6663.3
5966.2	10°	6111.8	6262.2	6472.3	6608.4	6677.6	6680.0	6670.5	6637.1	6620.3	6622.7
6009.2	12.5°	6185.8	6353.0	6579.8	6694.4	6713.5	6660.9	6620.3	6563.0	6541.6	6532.0
6073.6	15°	6286.1	6477.1	6696.7	6739.7	6692.0	6625.1	6555.9	6462.8	6415.0	6376.8
6183.4	17.5°	6407.9	6618.0	6787.5	6756.4	6653.8	6543.9	6431.7	6290.9	6193.0	6152.4
6333.9	20°	6577.4	6766.0	6856.7	6720.6	6565.4	6398.3	6207.3	6035.4	5944.7	5904.1
6524.9	22.5°	6782.7	6964.1	6923.6	6658.5	6438.9	6171.5	5932.8	5806.2	5760.9	5732.2
6770.8	25°	7028.6	7183.8	6971.3	6567.8	6231.2	5870.7	5686.9	5646.3	5624.8	5603.3
7071.6	27.5°	7348.5	7432.1	7007.1	6434.1	5906.5	5550.8	5483.9	5491.1	5483.9	5448.1
7489.4	30°	7771.1	7754.4	7040.5	6216.9	5534.1	5261.9	5266.7	5297.7	5302.5	5278.6
8071.9	32.5°	8327.4	8157.9	7057.2	5935.2	5178.3	5008.8	5013.6	5047.0	5070.9	5030.3
8833.5	35°	9000.6	8628.2	7031.0	5581.8	4903.8	4767.7	4731.9	4741.4	4748.6	4710.4
9757.4	37.5°	9786.1	9155.8	6914.0	5190.3	4677.0	4531.3	4454.9	4390.5	4352.3	4316.5
10803.1	40°	10647.9	9731.2	6699.1	4808.3	4423.9	4280.7	4166.1	4044.3	3915.4	3867.6
11910.9	42.5°	11550.4	10323.3	6438.9	4443.0	4132.6	4015.7	3893.9	3717.2	3523.8	3426.0
13061.6	45°	12486.3	10929.7	6183.4	4082.5	3834.2	3784.1	3643.2	3430.7	3220.6	3096.5
14214.8	47.5°	13403.0	11502.6	5808.6	3719.6	3554.9	3609.8	3500.0	3304.2	3070.2	2874.5
15358.3	50°	14279.2	12039.8	5195.1	3352.0	3328.1	3557.3	3452.2	3170.5	2903.1	2652.4
16480.4	52.5°	15148.3	12474.3	4409.6	3017.7	3206.3	3542.9	3390.2	3079.8	2752.7	2490.1
17535.7	55°	15886.0	12698.7	3652.8	2731.2	3029.7	3421.2	3316.1	2972.4	2540.2	2260.9
18259.1	57.5°	16306.2	12517.3	3022.5	2449.5	2786.1	3220.6	3189.6	2743.2	2287.2	2072.3
18399.9	60°	16124.7	11782.0	2506.8	2203.6	2554.6	3003.4	2970.0	2516.4	2093.8	1890.8
17645.5	62.5°	15124.4	10380.6	2098.6	1988.7	2344.5	2781.4	2750.3	2342.1	1945.8	1750.0
15642.5	65°	13109.4	8444.3	1781.0	1809.7	2132.0	2514.0	2559.3	2196.4	1828.8	1637.8
12101.9	67.5°	9998.6	6116.6	1532.7	1654.5	1924.3	2251.3	2382.7	2091.4	1730.9	1549.4
7002.3	70°	5698.8	3473.7	1322.6	1504.1	1740.4	2007.8	2246.6	2007.8	1625.8	1475.4
2623.8	72.5°	2160.6	1594.8	1143.6	1353.7	1563.8	1802.5	2096.2	1876.5	1504.1	1391.9
1356.1	75°	1153.1	971.7	962.1	1177.0	1360.8	1602.0	1907.6	1747.6	1413.4	1470.7
938.3	77.5°	785.5	687.6	804.6	1007.5	1138.8	1379.9	1707.0	1551.8	1224.8	1220.0
649.4	80°	544.3	487.0	654.2	811.7	881.0	1160.3	1489.8	1332.2	997.9	931.1
401.1	82.5°	327.1	317.5	489.4	606.4	623.1	895.3	1234.3	1117.3	816.5	711.5
238.7	85°	179.1	188.6	312.8	355.7	362.9	625.5	966.9	864.3	627.9	527.6
85.9	87.5°	50.1	64.5	114.6	140.9	174.3	324.7	575.4	513.3	315.1	219.6
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°
5885.0
6317.1
6591.7
6670.5
6627.5
6527.2
6388.8
6154.8
5899.3
5737.0
5603.3
5455.3
5290.5
5049.4
4736.7
4340.4
3889.1
3437.9
3086.9
2853.0
2630.9
2461.4
2237.0
2043.6
1862.2
1719.0
1606.7
1520.8
1456.3
1372.8
1518.4
1124.5
890.5
716.2
532.4
219.6
0.0

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