

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: P850048

Luminaire Tested: **GLAN-SB7B-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35637 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

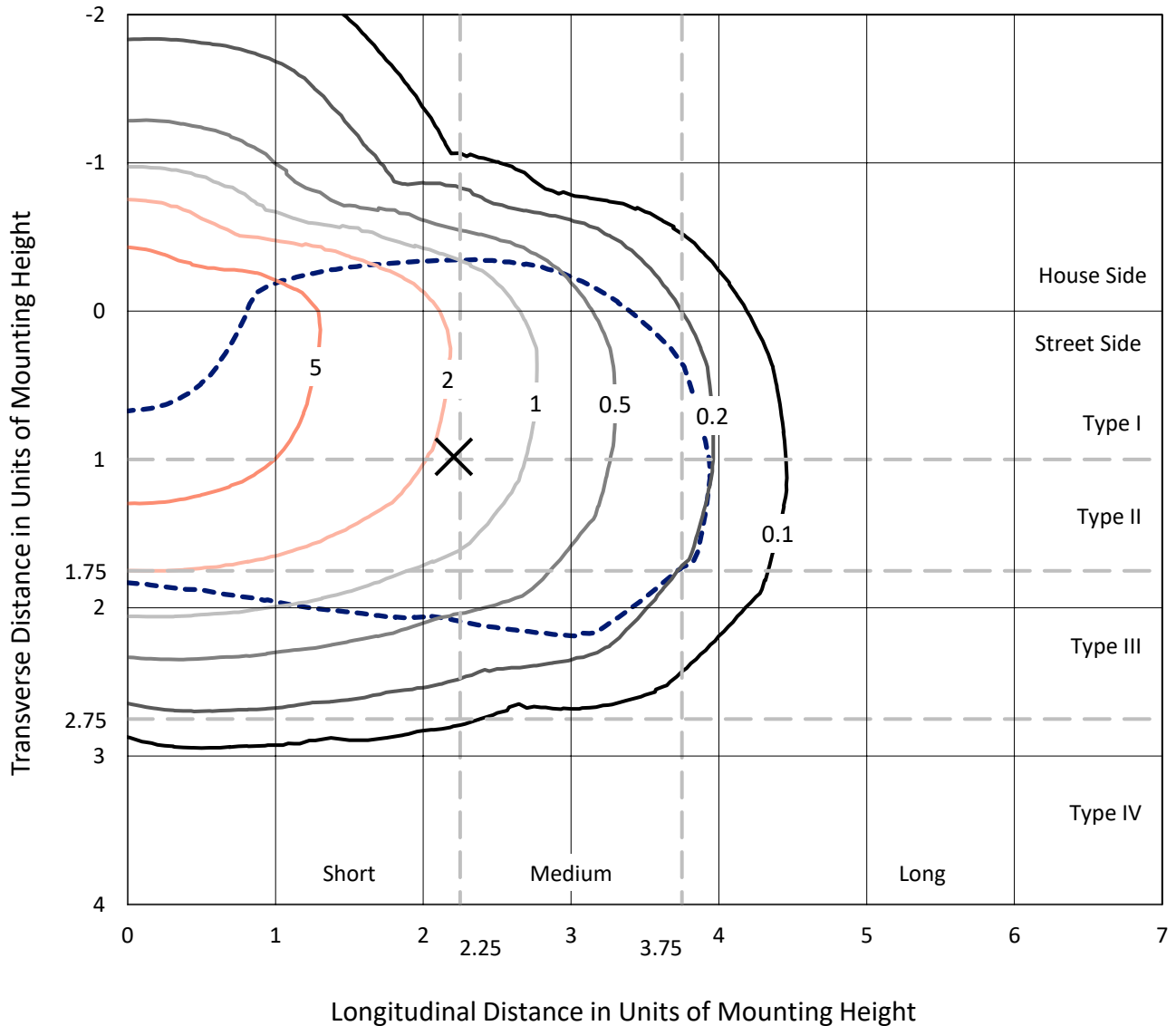
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

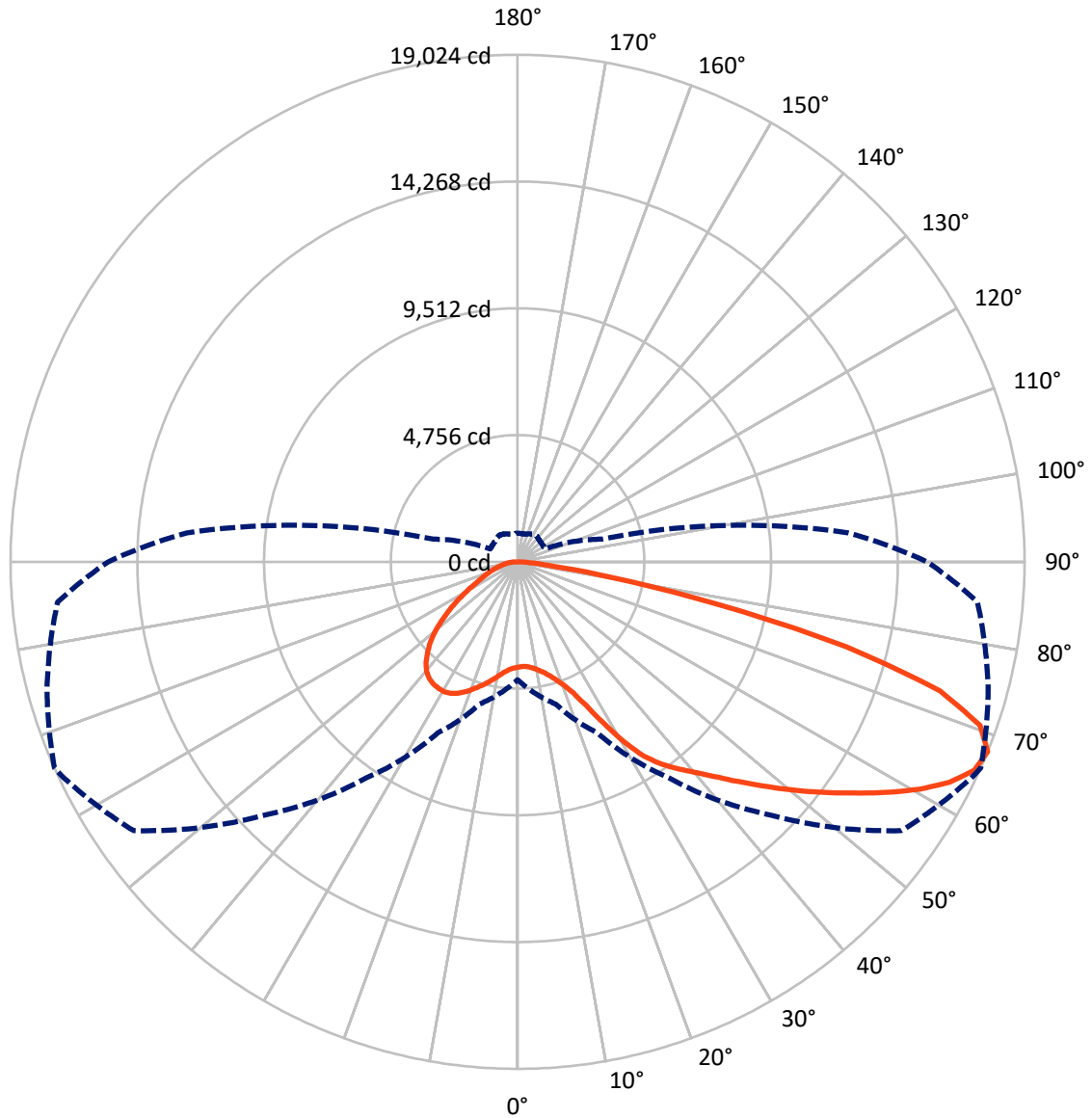
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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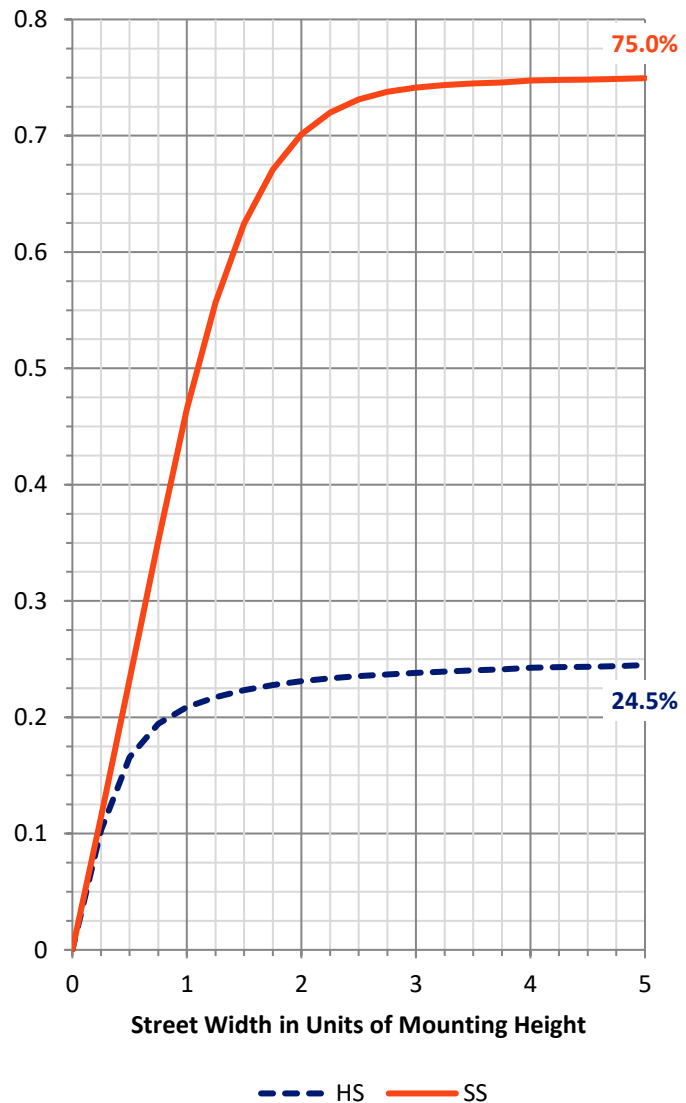
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8861.0	0.0	8861.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	26776.0	0.0	26776.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	35637.0	0.0	35637.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.9	1.1
10°-20°	1294.7	3.6
20°-30°	2495.5	7.0
30°-40°	4375.6	12.3
40°-50°	6505.1	18.3
50°-60°	8245.8	23.1
60°-70°	8068.3	22.6
70°-80°	3848.7	10.8
80°-90°	411.3	1.2
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°	35637.0	100.0
0°-180°	35637.0	100.0

Coefficient of Utilization



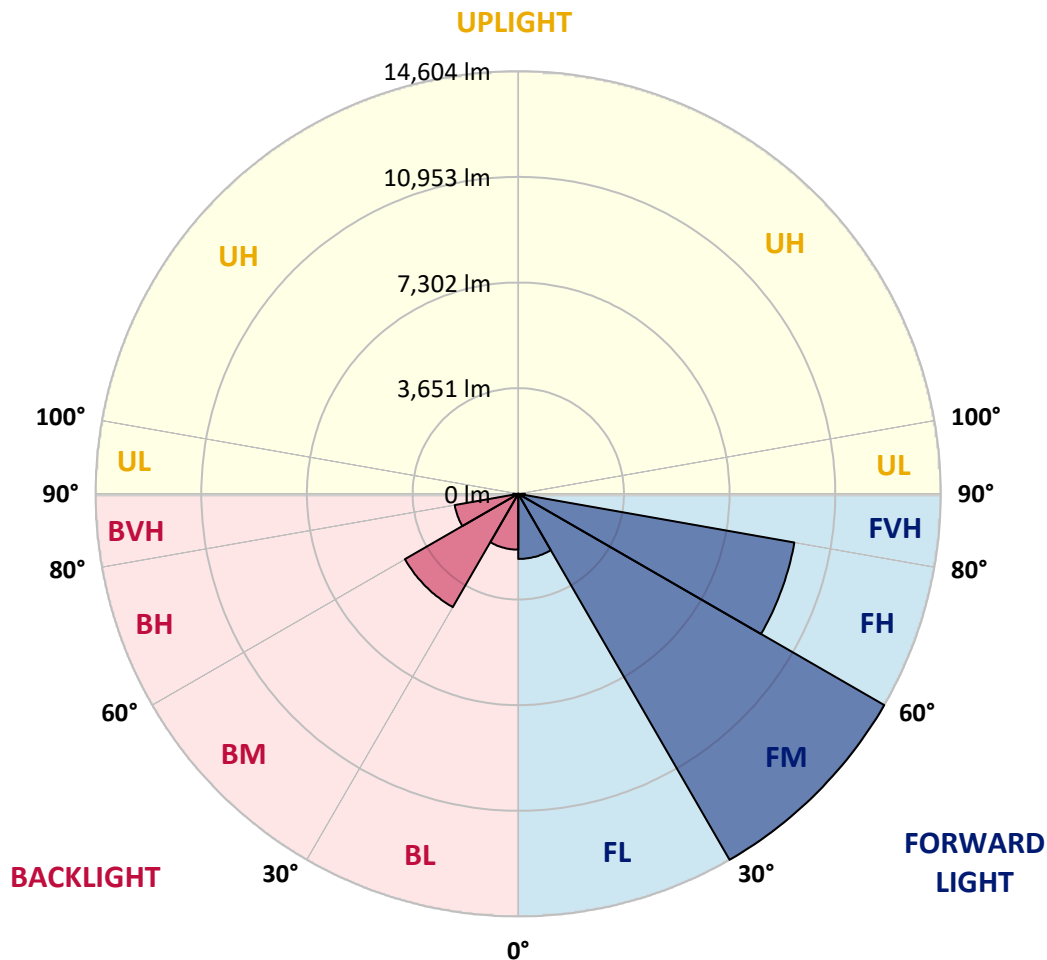
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2251.9	6.3			
FM (30°-60°)	14603.7	41.0			
FH (60°-80°)	9687.1	27.2			G4/12000
FVH (80°-90°)	233.2	0.7			G3/500
BL (0°-30°)	1930.3	5.4	B3/2500		
BM (30°-60°)	4522.8	12.7	B3/5000		
BH (60°-80°)	2229.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	178.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6
2.5°	3911.4	3933.9	3928.3	3918.9	3917.0	3920.8	3926.4	3932.0	3930.1	3939.5
5°	3900.2	3922.7	3920.8	3920.8	3928.3	3943.3	3952.6	3962.0	3952.6	3963.8
7.5°	3907.7	3924.5	3932.0	3939.5	3958.2	3986.3	4008.8	4029.4	4018.1	4031.3
10°	4003.2	4016.3	4023.8	4023.8	4036.9	4068.7	4091.2	4128.6	4119.3	4139.9
12.5°	4177.3	4190.4	4190.4	4182.9	4192.3	4212.9	4220.4	4261.6	4244.7	4278.4
15°	4390.8	4417.0	4396.4	4383.3	4387.0	4407.6	4405.7	4437.6	4420.7	4448.8
17.5°	4626.7	4660.4	4626.7	4624.8	4617.3	4639.8	4641.7	4669.7	4639.8	4660.4
20°	4905.7	4952.5	4924.4	4933.7	4916.9	4926.3	4935.6	4976.8	4930.0	4945.0
22.5°	5298.9	5355.0	5325.1	5360.7	5349.4	5341.9	5340.1	5413.1	5340.1	5345.7
25°	5871.8	5939.2	5886.8	5935.5	5935.5	5959.8	5987.9	6081.5	5959.8	5924.2
27.5°	6718.1	6785.5	6682.6	6712.5	6703.2	6763.1	6733.1	6965.3	6834.2	6776.2
30°	7736.7	7856.5	7661.8	7654.3	7645.0	7740.5	7783.5	7937.1	7804.1	7746.1
32.5°	8837.7	8963.1	8731.0	8663.5	8628.0	8686.0	8650.4	8774.0	8682.3	8592.4
35°	10002.3	10125.9	9904.9	9773.9	9631.6	9509.9	9382.5	9414.4	9328.2	9191.6
37.5°	11103.3	11329.8	11095.8	10955.4	10693.2	10455.4	10099.7	9951.8	9871.2	9745.8
40°	12224.8	12354.0	12176.1	12056.3	11771.7	11399.1	10829.9	10517.2	10408.6	10286.9
42.5°	13050.6	13174.1	13078.6	12996.3	12773.4	12340.9	11605.1	11213.7	11056.5	10919.8
45°	13705.9	13797.6	13737.7	13767.7	13672.2	13252.8	12408.3	11960.8	11797.9	11631.3
47.5°	13969.9	14067.3	14162.8	14340.6	14503.5	14194.6	13271.5	12769.7	12597.4	12427.0
50°	13939.9	14039.2	14316.3	14694.5	15200.1	15097.1	14181.5	13631.0	13471.8	13277.1
52.5°	13700.3	13812.6	14168.4	14797.5	15602.6	15773.0	15108.3	14520.4	14370.6	14138.4
55°	13071.2	13138.6	13672.2	14563.4	15698.1	16244.9	16016.4	15467.8	15318.0	14994.1
57.5°	11904.7	12002.0	12779.1	13932.5	15458.4	16565.0	16814.1	16463.9	16319.7	15853.5
60°	10382.4	10537.8	11427.2	12872.7	14848.0	16563.2	17538.7	17443.2	17323.3	16699.8
62.5°	8659.8	8839.6	9695.2	11374.8	13780.8	16093.2	17991.8	18263.3	18201.5	17480.6
65°	6650.7	6774.3	7626.2	9436.8	12120.0	15084.0	18044.2	18823.1	18834.4	18074.2
67.5°	4428.2	4784.0	5523.5	7081.4	9895.6	13434.4	17583.6	18914.9	19023.5	18278.3
70°	2160.7	2628.8	3353.4	4602.3	7081.4	10904.8	16379.7	18162.2	18403.7	17682.8
72.5°	896.9	1048.5	1443.6	2271.2	4065.0	7358.5	13960.5	16121.3	16568.8	15668.2
75°	604.8	655.3	825.7	1164.6	1851.8	3628.7	10067.8	12020.7	12741.6	11833.5
77.5°	466.2	498.1	601.0	814.5	1101.0	1372.5	5388.7	7244.3	7616.9	7051.4
80°	367.0	391.3	449.4	593.5	780.8	734.0	1836.8	3282.3	3497.6	2934.0
82.5°	318.3	327.7	322.1	402.6	518.7	428.8	602.9	1211.4	1336.9	969.9
85°	230.3	256.5	267.8	249.0	275.2	217.2	247.2	428.8	471.8	421.3
87.5°	93.6	138.6	170.4	161.0	101.1	61.8	76.8	125.5	144.2	157.3
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°
3952.6	0°	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6	3952.6
3954.5	2.5°	3956.4	3969.5	3978.8	3990.1	3997.6	4008.8	4031.3	4044.4	4046.2	4055.6
3984.4	5°	3991.9	4010.7	4031.3	4061.2	4094.9	4123.0	4166.1	4196.0	4207.3	4216.6
4057.5	7.5°	4068.7	4094.9	4132.4	4184.8	4233.5	4270.9	4323.3	4358.9	4394.5	4407.6
4173.6	10°	4182.9	4220.4	4274.7	4345.8	4398.2	4446.9	4501.2	4531.2	4566.8	4581.7
4312.1	12.5°	4325.2	4364.5	4435.7	4534.9	4583.6	4617.3	4636.0	4628.5	4636.0	4649.1
4478.8	15°	4488.1	4531.2	4611.7	4718.4	4752.1	4722.2	4681.0	4643.5	4637.9	4641.7
4681.0	17.5°	4681.0	4712.8	4806.4	4896.3	4872.0	4748.4	4658.5	4598.6	4568.6	4559.3
4939.4	20°	4950.6	4950.6	5027.4	5083.5	4920.6	4710.9	4570.5	4473.1	4411.3	4385.1
5291.4	22.5°	5278.3	5248.3	5297.0	5257.7	4911.3	4606.1	4411.3	4242.8	4149.2	4111.8
5783.8	25°	5693.9	5658.4	5645.3	5401.8	4843.9	4439.4	4123.0	3918.9	3836.5	3815.9
6493.4	27.5°	6321.2	6231.3	6060.9	5480.5	4720.3	4177.3	3786.0	3596.9	3550.1	3551.9
7405.3	30°	7156.3	6976.5	6559.0	5493.6	4518.1	3806.6	3441.5	3306.6	3284.2	3293.5
8171.1	32.5°	7929.6	7759.2	7068.3	5433.7	4207.3	3443.3	3132.5	3042.6	3008.9	3020.2
8755.3	35°	8536.2	8489.4	7540.1	5349.4	3825.3	3102.5	2855.4	2778.6	2713.1	2698.1
9305.8	37.5°	9109.2	9090.5	7894.0	5231.5	3447.1	2861.0	2632.6	2531.5	2436.0	2383.6
9914.3	40°	9738.3	9719.6	8126.2	5049.8	3111.9	2651.3	2432.2	2299.3	2181.3	2085.8
10603.3	42.5°	10446.1	10335.6	8236.6	4789.6	2827.3	2473.4	2269.3	2089.6	1934.2	1846.2
11382.3	45°	11219.4	10970.3	8234.8	4458.2	2587.6	2310.5	2095.2	1840.6	1696.4	1614.0
12181.8	47.5°	12039.5	11577.0	8133.7	4091.2	2355.5	2130.8	1825.6	1630.9	1535.4	1484.8
13050.6	50°	12885.8	12144.3	7961.4	3669.9	2117.7	1926.7	1657.1	1524.1	1451.1	1404.3
13911.9	52.5°	13681.6	12659.2	7753.6	3192.4	1876.1	1728.2	1582.2	1479.2	1402.4	1350.0
14746.9	55°	14421.1	13103.0	7459.6	2703.7	1679.5	1595.3	1546.6	1460.5	1372.5	1310.7
15595.1	57.5°	15078.4	13391.3	6952.2	2245.0	1539.1	1503.5	1509.1	1428.6	1327.5	1275.1
16430.2	60°	15625.1	13602.9	6201.4	1820.0	1424.9	1413.7	1451.1	1368.7	1250.8	1190.8
17136.1	62.5°	15952.8	13599.2	5280.1	1490.4	1327.5	1331.3	1374.3	1293.8	1174.0	1117.8
17505.0	65°	15924.7	13265.9	4269.0	1275.1	1233.9	1237.6	1293.8	1211.4	1110.3	1076.6
17319.6	67.5°	15361.1	12453.3	3274.8	1134.7	1130.9	1147.8	1213.3	1155.3	1071.0	1067.3
16214.9	70°	13835.1	10766.2	2359.2	1022.3	1024.2	1048.5	1134.7	1119.7	1050.4	1057.9
13632.9	72.5°	11093.9	8208.6	1584.0	904.4	906.2	945.6	1059.8	1091.6	1029.8	1129.1
9672.8	75°	7388.4	5119.1	1018.6	778.9	780.8	831.3	994.2	1037.3	973.6	1125.3
5033.0	77.5°	3550.1	2301.2	737.7	655.3	655.3	702.1	859.4	928.7	829.5	874.4
1617.7	80°	1226.4	865.0	580.4	528.0	516.8	548.6	724.6	805.1	715.3	659.1
528.0	82.5°	483.1	449.4	466.2	410.1	372.6	393.2	563.6	664.7	526.1	475.6
297.7	85°	277.1	292.1	329.5	271.5	215.3	241.5	413.8	477.5	396.9	350.1
97.4	87.5°	74.9	103.0	151.7	140.4	97.4	103.0	196.6	264.0	228.4	176.0
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°
3952.6
4053.7
4214.7
4409.5
4589.2
4652.9
4654.8
4572.4
4379.5
4106.2
3819.7
3557.5
3325.4
3035.1
2709.3
2385.4
2095.2
1851.8
1610.3
1473.6
1387.4
1327.5
1286.3
1241.4
1164.6
1101.0
1074.8
1072.9
1056.0
1144.0
1134.7
801.4
617.9
473.7
357.6
181.6
0.0

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