

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: P849948

Luminaire Tested: **GLAN-SB7B-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849948
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-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31336 lumens
Efficiency: N/A
Efficacy: 122.1 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

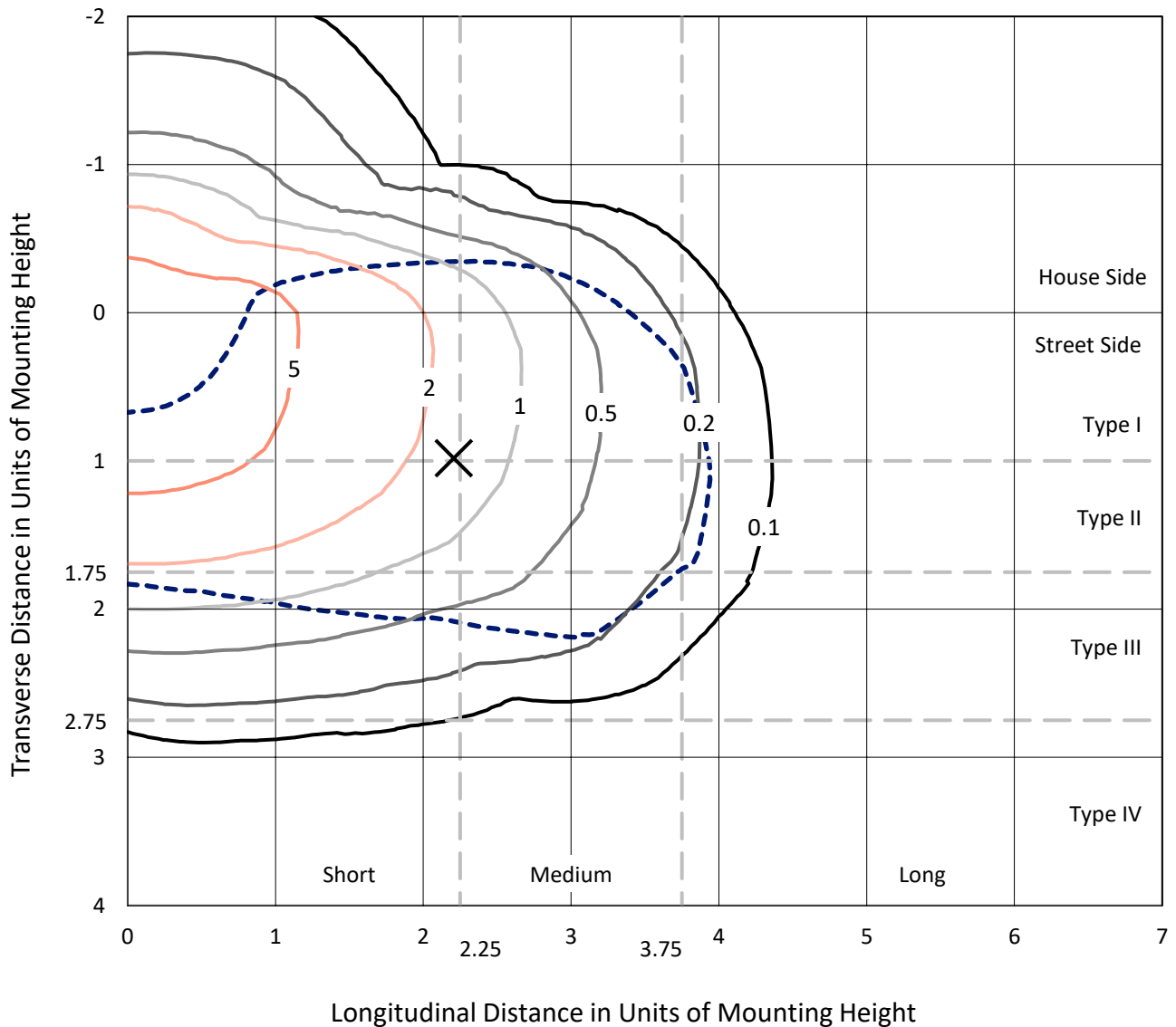
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

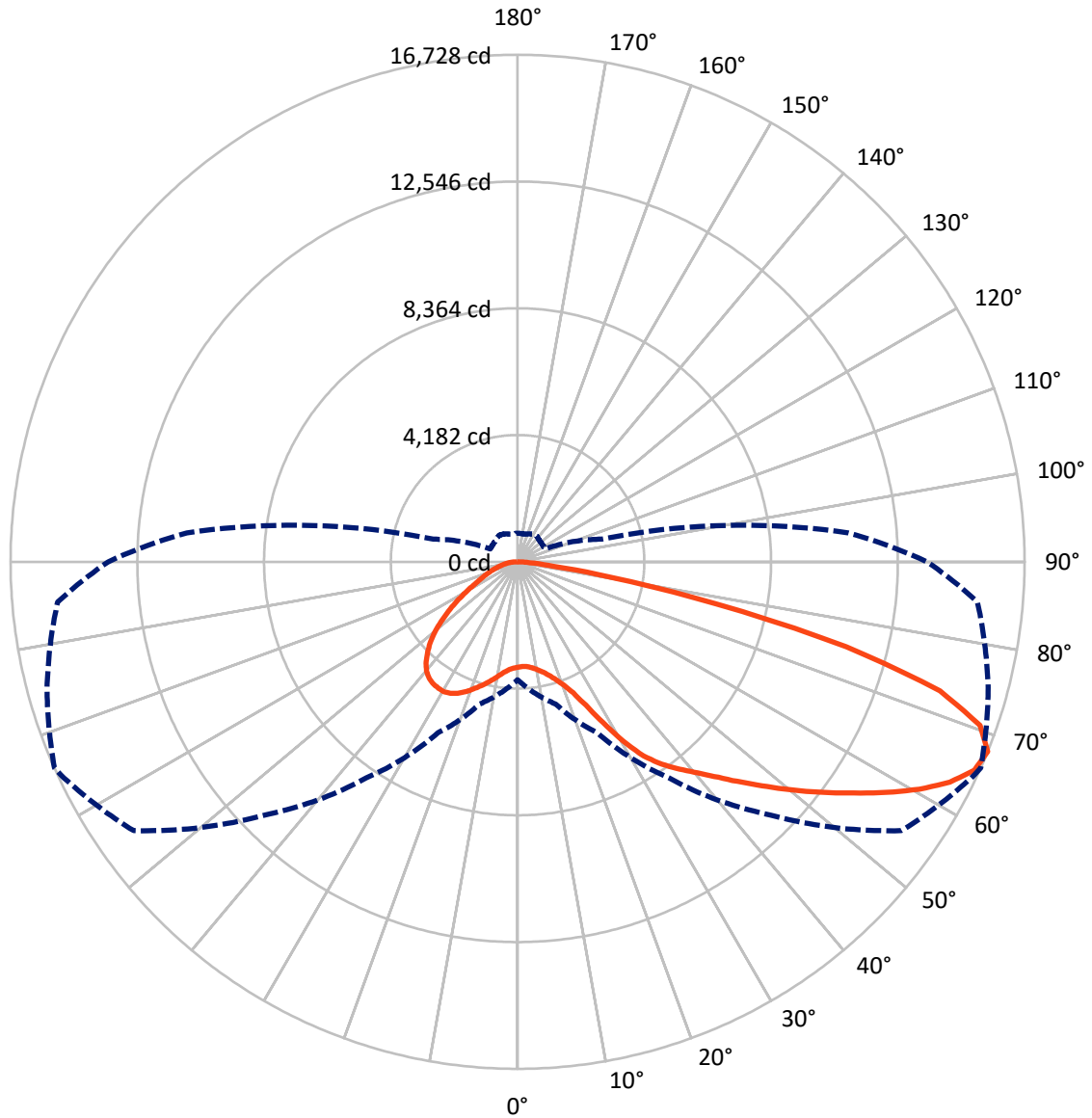
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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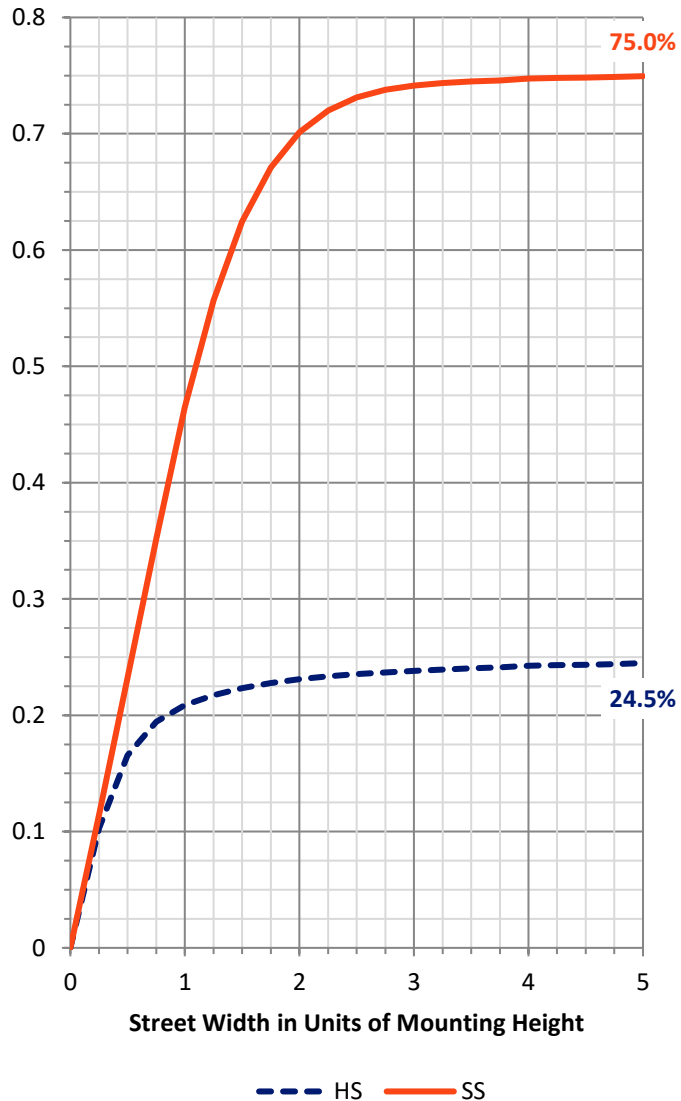
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7791.6	0.0	7791.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23544.4	0.0	23544.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	31336.0	0.0	31336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	1.1
10°-20°	1138.5	3.6
20°-30°	2194.4	7.0
30°-40°	3847.5	12.3
40°-50°	5720.0	18.3
50°-60°	7250.6	23.1
60°-70°	7094.6	22.6
70°-80°	3384.2	10.8
80°-90°	361.7	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°	31336.0	100.0
0°-180°	31336.0	100.0

Coefficient of Utilization

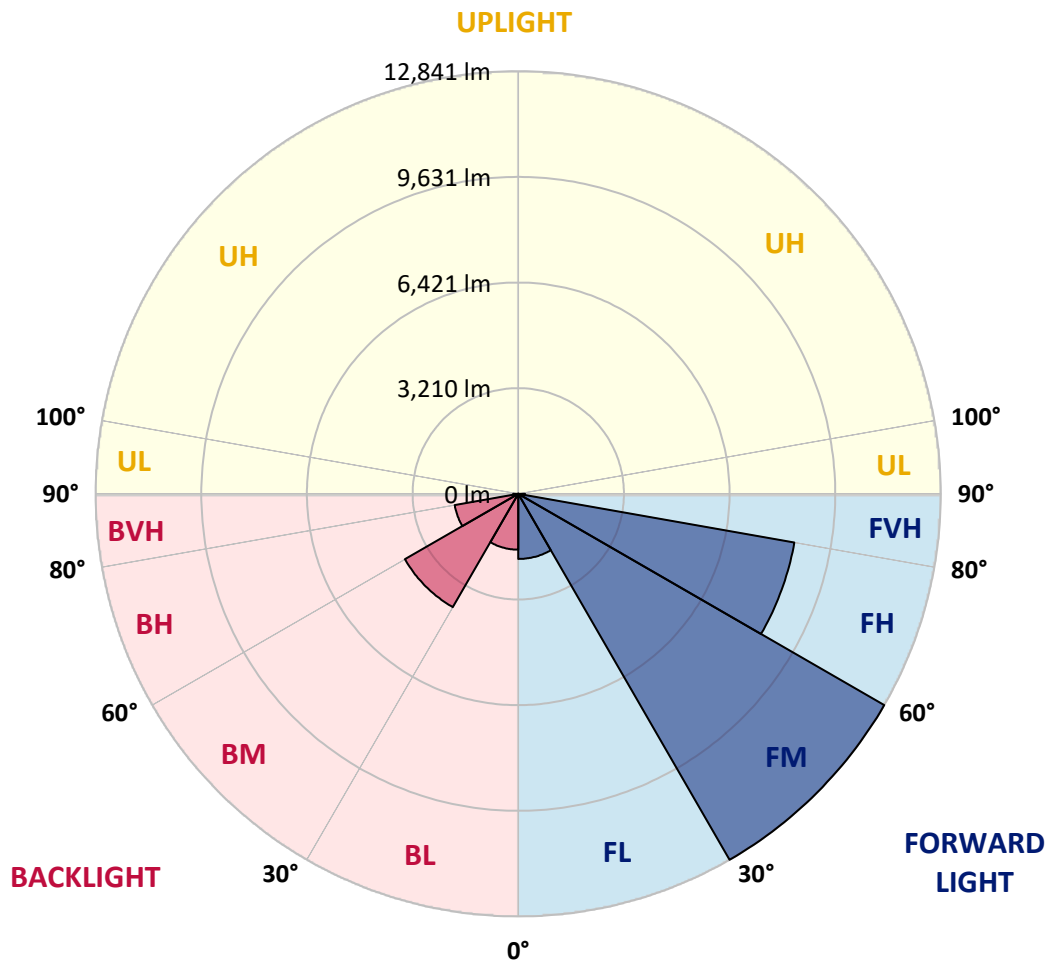


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1980.1	6.3			
FM (30°-60°)	12841.2	41.0			
FH (60°-80°)	8518.0	27.2			G4/12000
FVH (80°-90°)	205.1	0.7			G2/225
BL (0°-30°)	1697.3	5.4	B3/2500		
BM (30°-60°)	3976.9	12.7	B3/5000		
BH (60°-80°)	1960.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	156.6	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°	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6
2.5°	3439.4	3459.1	3454.2	3445.9	3444.3	3447.6	3452.5	3457.5	3455.8	3464.1
5°	3429.5	3449.2	3447.6	3447.6	3454.2	3467.3	3475.6	3483.8	3475.6	3485.5
7.5°	3436.1	3450.9	3457.5	3464.1	3480.5	3505.2	3525.0	3543.1	3533.2	3544.7
10°	3520.0	3531.6	3538.1	3538.1	3549.7	3577.7	3597.4	3630.3	3622.1	3640.2
12.5°	3673.1	3684.7	3684.7	3678.1	3686.3	3704.4	3711.0	3747.2	3732.4	3762.1
15°	3860.8	3883.9	3865.8	3854.3	3857.5	3875.7	3874.0	3902.0	3887.2	3911.9
17.5°	4068.3	4097.9	4068.3	4066.6	4060.1	4079.8	4081.5	4106.2	4079.8	4097.9
20°	4313.6	4354.8	4330.1	4338.3	4323.5	4331.7	4339.9	4376.2	4335.0	4348.2
22.5°	4659.3	4708.7	4682.4	4713.7	4703.8	4697.2	4695.6	4759.8	4695.6	4700.5
25°	5163.1	5222.4	5176.3	5219.1	5219.1	5240.5	5265.2	5347.5	5240.5	5209.2
27.5°	5907.3	5966.6	5876.0	5902.4	5894.2	5946.8	5920.5	6124.7	6009.4	5958.4
30°	6803.0	6908.3	6737.1	6730.5	6722.3	6806.3	6844.1	6979.1	6862.2	6811.2
32.5°	7771.1	7881.4	7677.2	7618.0	7586.7	7637.7	7606.4	7715.1	7634.4	7555.4
35°	8795.1	8903.8	8709.5	8594.3	8469.1	8362.1	8250.2	8278.2	8202.4	8082.2
37.5°	9763.2	9962.4	9756.6	9633.2	9402.7	9193.6	8880.7	8750.7	8679.9	8569.6
40°	10749.4	10863.0	10706.6	10601.2	10351.0	10023.4	9522.8	9247.9	9152.4	9045.4
42.5°	11475.5	11584.2	11500.2	11427.7	11231.8	10851.5	10204.5	9860.4	9722.1	9601.9
45°	12051.7	12132.4	12079.7	12106.1	12022.1	11653.3	10910.8	10517.3	10374.0	10227.5
47.5°	12283.9	12369.5	12453.5	12609.9	12753.1	12481.5	11669.8	11228.5	11077.1	10927.2
50°	12257.5	12344.8	12588.5	12921.0	13365.6	13275.0	12469.9	11985.9	11845.9	11674.7
52.5°	12046.8	12145.6	12458.4	13011.6	13719.6	13869.4	13284.9	12767.9	12636.2	12432.1
55°	11493.6	11552.9	12022.1	12805.8	13803.5	14284.3	14083.4	13601.0	13469.3	13184.5
57.5°	10467.9	10553.5	11236.8	12251.0	13592.8	14565.8	14784.8	14476.9	14350.1	13940.2
60°	9129.4	9266.0	10048.1	11319.1	13056.1	14564.2	15421.9	15338.0	15232.6	14684.4
62.5°	7614.7	7772.7	8525.1	10002.0	12117.6	14150.9	15820.4	16059.1	16004.8	15370.9
65°	5848.1	5956.7	6705.8	8297.9	10657.2	13263.5	15866.5	16551.4	16561.3	15892.8
67.5°	3893.8	4206.6	4856.9	6226.7	8701.3	11813.0	15461.5	16632.1	16727.5	16072.3
70°	1900.0	2311.6	2948.7	4046.9	6226.7	9588.7	14402.8	15970.2	16182.6	15548.7
72.5°	788.6	922.0	1269.4	1997.1	3574.4	6470.4	12275.7	14175.6	14569.1	13777.2
75°	531.8	576.2	726.1	1024.1	1628.3	3190.7	8852.8	10570.0	11203.8	10405.3
77.5°	410.0	437.9	528.5	716.2	968.1	1206.8	4738.4	6370.0	6697.6	6200.4
80°	322.7	344.1	395.1	521.9	686.6	645.4	1615.1	2886.2	3075.5	2579.9
82.5°	279.9	288.1	283.2	354.0	456.1	377.0	530.1	1065.2	1175.5	852.8
85°	202.5	225.6	235.4	219.0	242.0	191.0	217.3	377.0	414.9	370.4
87.5°	82.3	121.8	149.8	141.6	88.9	54.3	67.5	110.3	126.8	138.3
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°
3475.6	0°	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6	3475.6
3477.2	2.5°	3478.9	3490.4	3498.6	3508.5	3515.1	3525.0	3544.7	3556.3	3557.9	3566.1
3503.6	5°	3510.2	3526.6	3544.7	3571.1	3600.7	3625.4	3663.3	3689.6	3699.5	3707.7
3567.8	7.5°	3577.7	3600.7	3633.6	3679.7	3722.5	3755.5	3801.6	3832.8	3864.1	3875.7
3669.9	10°	3678.1	3711.0	3758.8	3821.3	3867.4	3910.2	3958.0	3984.3	4015.6	4028.8
3791.7	12.5°	3803.2	3837.8	3900.4	3987.6	4030.4	4060.1	4076.5	4069.9	4076.5	4088.0
3938.2	15°	3946.5	3984.3	4055.1	4149.0	4178.6	4152.3	4116.0	4083.1	4078.2	4081.5
4116.0	17.5°	4116.0	4144.0	4226.3	4305.4	4284.0	4175.3	4096.3	4043.6	4017.2	4009.0
4343.2	20°	4353.1	4353.1	4420.6	4470.0	4326.8	4142.4	4018.9	3933.3	3878.9	3855.9
4652.8	22.5°	4641.2	4614.9	4657.7	4623.1	4318.5	4050.2	3878.9	3730.8	3648.4	3615.5
5085.8	25°	5006.7	4975.5	4963.9	4749.9	4259.3	3903.6	3625.4	3445.9	3373.5	3355.4
5709.8	27.5°	5558.3	5479.3	5329.4	4819.0	4150.6	3673.1	3329.0	3162.8	3121.6	3123.2
6511.6	30°	6292.6	6134.5	5767.4	4830.6	3972.8	3347.2	3026.1	2907.6	2887.8	2896.0
7184.9	32.5°	6972.6	6822.7	6215.2	4777.9	3699.5	3027.8	2754.4	2675.4	2645.8	2655.7
7698.6	35°	7506.0	7464.8	6630.1	4703.8	3363.6	2728.1	2510.8	2443.3	2385.7	2372.5
8182.7	37.5°	8009.8	7993.3	6941.3	4600.1	3031.0	2515.7	2314.9	2225.9	2142.0	2095.9
8717.8	40°	8563.0	8546.5	7145.4	4440.4	2736.3	2331.3	2138.7	2021.8	1918.1	1834.1
9323.6	42.5°	9185.3	9088.2	7242.6	4211.5	2486.1	2174.9	1995.5	1837.4	1700.7	1623.4
10008.5	45°	9865.3	9646.3	7240.9	3920.1	2275.3	2031.7	1842.3	1618.4	1491.6	1419.2
10711.6	47.5°	10586.4	10179.8	7152.0	3597.4	2071.2	1873.6	1605.3	1434.0	1350.1	1305.6
11475.5	50°	11330.6	10678.6	7000.5	3227.0	1862.1	1694.2	1457.1	1340.2	1276.0	1234.8
12232.8	52.5°	12030.3	11131.4	6817.8	2807.1	1649.7	1519.6	1391.2	1300.7	1233.2	1187.1
12967.1	55°	12680.7	11521.6	6559.3	2377.4	1476.8	1402.7	1359.9	1284.2	1206.8	1152.5
13713.0	57.5°	13258.6	11775.1	6113.1	1974.0	1353.4	1322.1	1327.0	1256.2	1167.3	1121.2
14447.3	60°	13739.3	11961.2	5452.9	1600.3	1252.9	1243.0	1276.0	1203.5	1099.8	1047.1
15068.0	62.5°	14027.4	11957.9	4642.9	1310.5	1167.3	1170.6	1208.5	1137.7	1032.3	982.9
15392.3	65°	14002.7	11664.8	3753.8	1121.2	1085.0	1088.3	1137.7	1065.2	976.3	946.7
15229.3	67.5°	13507.2	10950.3	2879.6	997.7	994.4	1009.3	1066.9	1015.8	941.7	938.5
14257.9	70°	12165.3	9466.9	2074.5	898.9	900.6	922.0	997.7	984.6	923.6	930.2
11987.5	72.5°	9755.0	7217.9	1392.9	795.2	796.9	831.4	931.9	959.9	905.5	992.8
8505.4	75°	6496.7	4501.3	895.6	684.9	686.6	731.0	874.2	912.1	856.1	989.5
4425.6	77.5°	3121.6	2023.4	648.7	576.2	576.2	617.4	755.7	816.6	729.4	768.9
1422.5	80°	1078.4	760.6	510.4	464.3	454.4	482.4	637.2	708.0	628.9	579.5
464.3	82.5°	424.8	395.1	410.0	360.6	327.6	345.7	495.6	584.5	462.6	418.2
261.8	85°	243.7	256.8	289.8	238.7	189.3	212.4	363.9	419.8	349.0	307.9
85.6	87.5°	65.9	90.6	133.4	123.5	85.6	90.6	172.9	232.1	200.9	154.8
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°
3475.6
3564.5
3706.1
3877.3
4035.4
4091.3
4093.0
4020.5
3851.0
3610.6
3358.7
3128.2
2924.0
2668.8
2382.4
2097.5
1842.3
1628.3
1415.9
1295.7
1220.0
1167.3
1131.1
1091.6
1024.1
968.1
945.0
943.4
928.6
1006.0
997.7
704.7
543.3
416.5
314.5
159.7
0.0

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