

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: P953414

Luminaire Tested: **GLAN-SB7A-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26706 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 199.1
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



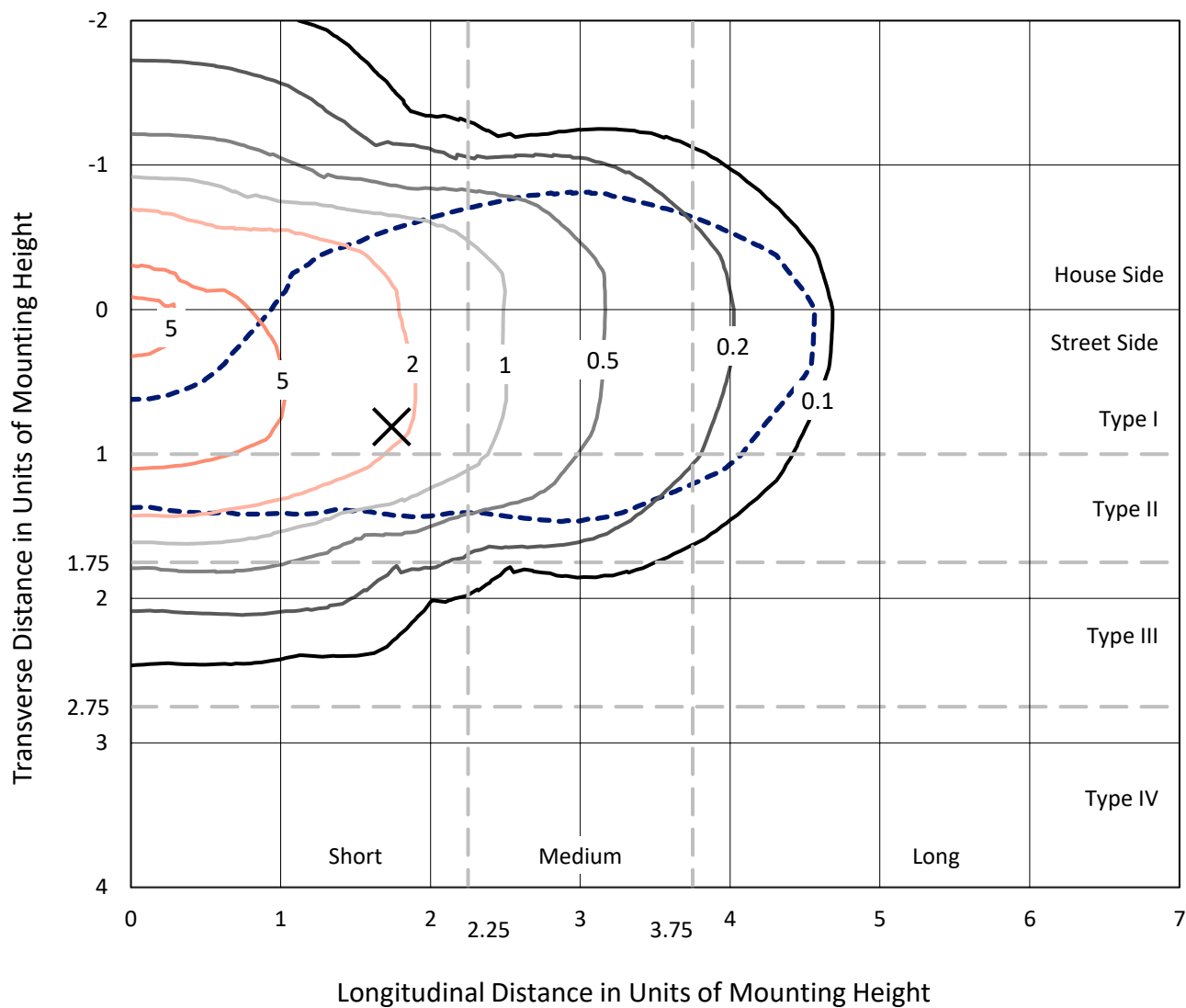
REPORT NUMBER: P953414

CATALOG NUMBER: GLAN-SB7A-722-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

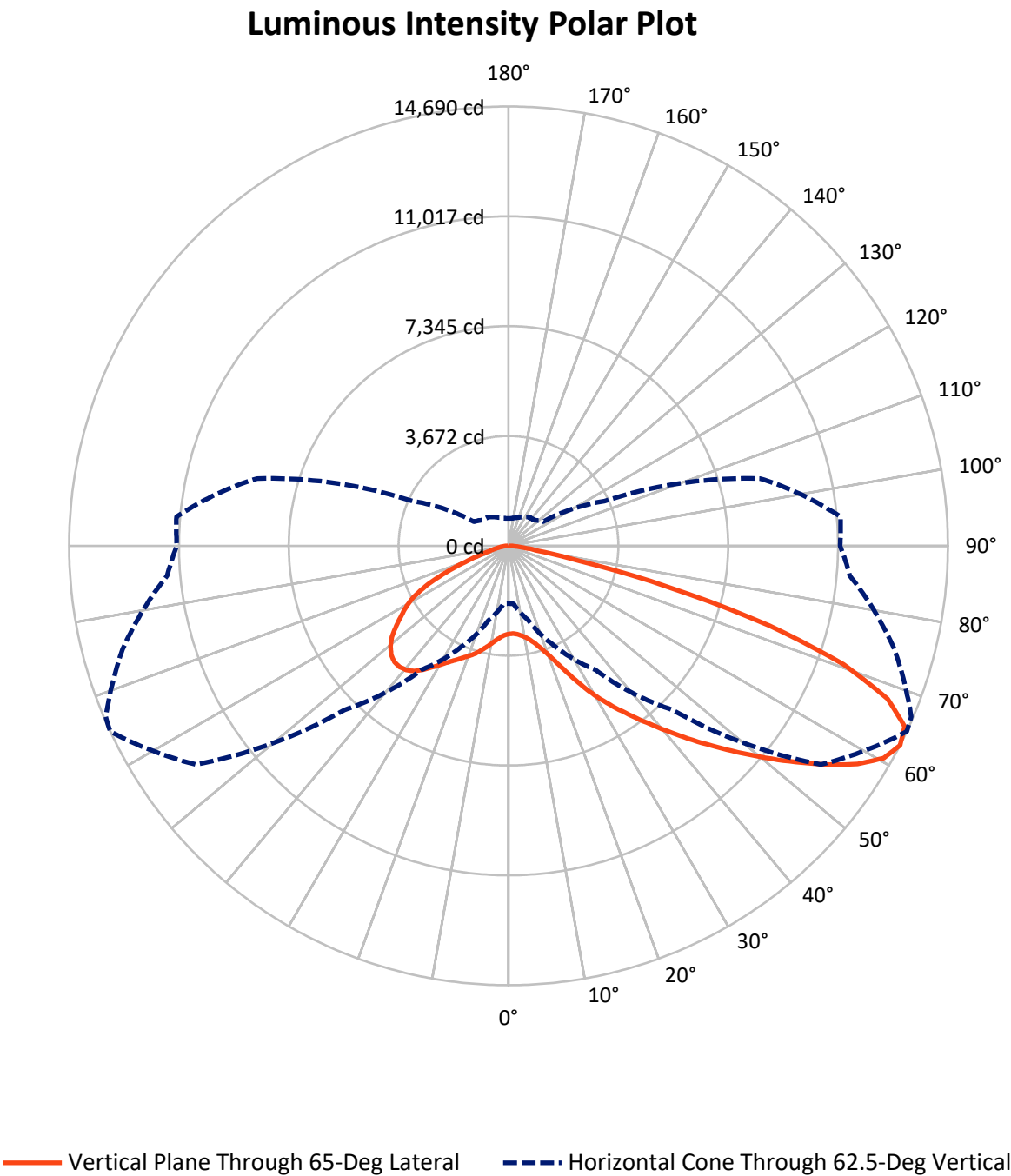
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc

Type II - Short - N/A

REPORT NUMBER: P953414
CATALOG NUMBER: GLAN-SB7A-722-U-T2U



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8427.3	0.0	8427.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	18278.7	0.0	18278.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	26706.0	0.0	26706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.4	1.1
10°-20°	995.0	3.7
20°-30°	2017.4	7.6
30°-40°	3491.0	13.1
40°-50°	5283.0	19.8
50°-60°	6194.0	23.2
60°-70°	5192.9	19.4
70°-80°	2866.9	10.7
80°-90°	372.4	1.4
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°	26706.0	100.0
0°-180°	26706.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953414

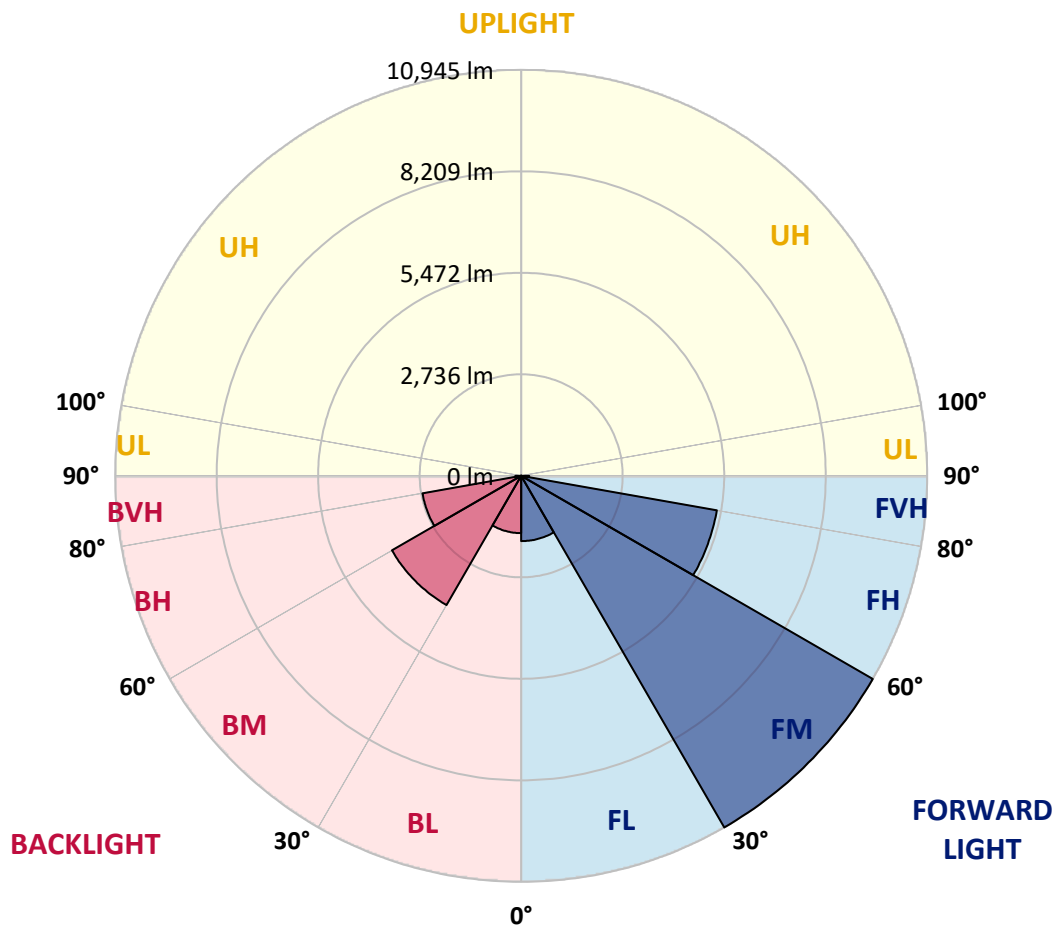
CATALOG NUMBER: GLAN-SB7A-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1760.3	6.6			
FM	(30°-60°)	10945.0	41.0			
FH	(60°-80°)	5356.4	20.1			G3/7500
FVH	(80°-90°)	217.0	0.8			G2/225
BL	(0°-30°)	1545.5	5.8	B3/2500		
BM	(30°-60°)	4023.1	15.1	B3/5000		
BH	(60°-80°)	2703.4	10.1	B4/5000		G4/5000
BVH	(80°-90°)	155.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P953414

CATALOG NUMBER: GLAN-SB7A-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9
2.5°	2923.5	2915.2	2922.1	2922.1	2924.9	2923.5	2933.2	2936.0	2940.1	2948.4
5°	2894.4	2893.0	2905.5	2916.6	2927.6	2937.3	2949.8	2967.8	2970.6	2980.3
7.5°	2884.7	2876.4	2895.8	2909.6	2936.0	2959.5	2992.8	3023.2	3035.7	3039.9
10°	2959.5	2945.7	2963.7	2972.0	2994.2	3017.7	3056.5	3105.0	3118.8	3135.5
12.5°	3087.0	3071.7	3098.1	3110.5	3131.3	3152.1	3178.4	3225.5	3232.5	3262.9
15°	3261.6	3243.5	3260.2	3275.4	3310.1	3329.5	3355.8	3401.5	3401.5	3425.1
17.5°	3498.5	3474.9	3487.4	3492.9	3515.1	3544.2	3588.5	3628.7	3649.5	3641.2
20°	3851.8	3822.7	3822.7	3795.0	3786.7	3810.2	3868.4	3923.8	3946.0	3903.1
22.5°	4382.5	4340.9	4317.3	4223.1	4185.7	4188.5	4246.7	4314.6	4332.6	4256.4
25°	5057.2	4992.1	4960.2	4821.7	4737.2	4663.7	4709.4	4796.7	4821.7	4727.5
27.5°	5732.0	5736.1	5705.7	5539.4	5399.4	5265.0	5241.5	5332.9	5359.3	5252.6
30°	6678.3	6579.9	6521.7	6322.2	6122.7	5934.3	5837.3	5874.7	5881.6	5754.1
32.5°	7494.4	7469.4	7344.7	7170.2	6913.8	6618.7	6456.6	6397.0	6386.0	6204.4
35°	8424.1	8410.2	8278.6	8070.8	7793.7	7383.5	7091.2	6920.8	6906.9	6652.0
37.5°	9369.0	9369.0	9240.2	9012.9	8726.1	8213.5	7768.7	7498.5	7454.2	7121.7
40°	10122.7	10077.0	10100.6	10005.0	9676.6	9132.1	8521.1	8129.0	8069.4	7670.3
42.5°	10550.9	10535.6	10677.0	10783.7	10649.3	10214.2	9349.6	8812.0	8728.9	8274.4
45°	10646.5	10629.9	10882.0	11272.7	11461.2	11282.4	10250.2	9531.1	9430.0	8906.2
47.5°	10426.2	10392.9	10762.9	11379.4	11983.5	12298.0	11225.6	10311.2	10164.3	9521.4
50°	9763.9	9732.0	10291.8	11110.6	12159.5	12988.0	12284.2	11138.4	10913.9	10180.9
52.5°	8324.3	8339.6	9216.6	10341.7	11928.1	13417.6	13195.9	12009.9	11739.7	10855.7
55°	6484.3	6517.6	7595.5	8834.2	11002.6	13352.4	13818.0	12907.7	12638.9	11490.3
57.5°	4642.9	4789.8	5799.9	7026.1	9224.9	12320.2	13953.8	13761.2	13500.7	12183.0
60°	3009.4	3035.7	4074.9	5310.8	7024.7	10485.8	13678.0	14408.2	14204.5	12889.7
62.5°	1928.7	1946.7	2579.9	3714.6	5055.8	7757.6	12749.7	14689.5	14627.1	13356.6
65°	1417.4	1403.6	1733.3	2455.2	3405.7	4784.3	10947.1	14553.7	14677.0	13648.9
67.5°	1183.3	1163.9	1326.0	1700.1	2509.2	2717.0	8099.9	13671.1	14122.8	13615.7
70°	1077.9	1061.3	1159.7	1262.2	1957.8	1819.2	4083.2	11885.2	12580.7	13237.4
72.5°	913.1	884.0	1018.4	1120.9	1522.7	1395.2	1687.6	9129.3	9977.3	12025.1
75°	708.0	688.6	803.6	986.5	1144.5	1089.0	1066.9	5543.5	6469.1	9299.7
77.5°	561.1	534.8	640.1	769.0	1029.5	821.6	777.3	2387.3	3304.5	5937.0
80°	422.6	399.0	486.3	608.3	791.1	619.3	503.0	974.0	1245.6	3008.0
82.5°	300.7	279.9	339.5	446.1	532.0	555.6	309.0	545.9	613.8	1159.7
85°	192.6	180.1	227.2	279.9	338.1	357.5	188.4	285.4	313.1	478.0
87.5°	105.3	85.9	121.9	130.2	156.6	142.7	90.1	103.9	112.2	173.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953414

CATALOG NUMBER: GLAN-SB7A-722-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2942.9	0°	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9
2948.4	2.5°	2954.0	2958.1	2972.0	2976.1	2985.8	2998.3	3006.6	3014.9	3014.9	3023.2
2992.8	5°	2994.2	3003.8	3032.9	3048.2	3073.1	3098.1	3113.3	3131.3	3142.4	3147.9
3063.4	7.5°	3071.7	3087.0	3128.5	3154.9	3197.8	3232.5	3256.0	3281.0	3286.5	3301.7
3161.8	10°	3177.0	3195.1	3242.2	3292.0	3343.3	3386.3	3408.4	3426.4	3433.4	3436.1
3287.9	12.5°	3297.6	3323.9	3384.9	3445.8	3499.9	3537.3	3542.8	3538.7	3519.3	3502.6
3443.1	15°	3445.8	3469.4	3537.3	3603.8	3656.4	3663.4	3628.7	3606.6	3583.0	3578.8
3616.3	17.5°	3623.2	3635.7	3698.0	3763.1	3767.3	3743.7	3692.5	3671.7	3649.5	3634.3
3842.1	20°	3829.6	3825.5	3869.8	3897.5	3868.4	3796.4	3718.8	3684.1	3662.0	3644.0
4119.2	22.5°	4076.3	4044.4	4038.8	4031.9	3954.3	3803.3	3698.0	3653.7	3619.0	3594.1
4505.8	25°	4435.1	4313.2	4228.7	4181.6	4007.0	3765.9	3631.5	3533.1	3468.0	3425.1
4978.2	27.5°	4884.0	4679.0	4465.6	4350.6	4007.0	3689.7	3470.8	3311.4	3204.8	3160.4
5435.5	30°	5312.2	5097.4	4782.9	4554.3	3997.3	3565.0	3211.7	2990.0	2865.3	2821.0
5826.2	32.5°	5677.9	5443.8	5119.6	4777.3	3973.7	3362.7	2890.2	2645.0	2524.5	2471.8
6212.8	35°	6017.4	5768.0	5457.6	5022.6	3911.4	3066.2	2536.9	2349.9	2215.5	2131.0
6606.3	37.5°	6365.2	6068.7	5777.7	5244.3	3799.1	2719.8	2265.4	2106.0	1948.1	1834.5
7024.7	40°	6743.4	6388.7	6119.9	5375.9	3614.9	2390.1	2054.8	1909.3	1741.6	1621.1
7506.9	42.5°	7185.4	6772.5	6501.0	5443.8	3362.7	2155.9	1917.6	1774.9	1616.9	1518.6
8023.7	45°	7646.8	7195.1	6848.7	5442.4	3081.4	2046.4	1873.2	1731.9	1557.3	1454.8
8554.3	47.5°	8130.3	7637.1	7149.4	5353.7	2837.6	2061.7	1848.3	1639.1	1446.5	1346.7
9090.5	50°	8615.3	8120.6	7440.3	5187.5	2733.7	2028.4	1755.5	1508.9	1281.6	1191.6
9593.5	52.5°	9096.1	8634.7	7691.1	4950.5	2628.4	1905.1	1636.3	1339.8	1213.7	1151.4
10113.1	55°	9579.6	9143.2	7964.1	4605.5	2365.1	1761.0	1436.8	1276.1	1159.7	1102.9
10621.5	57.5°	10064.6	9730.6	8223.2	4260.5	2034.0	1583.7	1327.3	1198.5	1105.7	1057.2
11046.9	60°	10568.9	10402.6	8490.6	3943.2	1707.0	1356.4	1247.0	1136.1	1041.9	987.9
11455.6	62.5°	11088.5	11142.5	8699.8	3534.5	1406.3	1217.9	1174.9	1061.3	969.9	918.6
11793.7	65°	11612.2	11856.1	8837.0	2967.8	1140.3	1086.3	1097.3	979.6	886.7	842.4
12041.7	67.5°	12007.1	12370.1	8798.2	2246.0	935.2	961.6	1000.4	893.7	806.4	771.7
12001.5	70°	12051.4	12309.1	8415.8	1537.9	782.8	839.6	892.3	809.2	719.1	694.2
11436.2	72.5°	11461.2	11477.8	7350.3	1004.5	662.3	737.1	778.7	723.3	636.0	611.0
10005.0	75°	9913.5	9492.3	5396.7	662.3	554.2	633.2	672.0	633.2	548.7	554.2
7486.1	77.5°	7511.0	6722.6	3276.8	471.1	462.8	532.0	584.7	557.0	484.9	544.5
3764.5	80°	3869.8	3637.0	1461.7	351.9	365.8	425.4	480.8	444.8	383.8	365.8
841.0	82.5°	886.7	1030.8	576.4	252.2	264.6	306.2	367.2	333.9	275.7	232.8
350.5	85°	310.4	339.5	254.9	158.0	155.2	191.2	249.4	223.1	187.0	149.6
148.3	87.5°	98.4	128.9	95.6	63.7	66.5	85.9	115.0	105.3	87.3	56.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
2942.9
3023.2
3150.7
3296.2
3429.2
3502.6
3578.8
3635.7
3645.4
3602.4
3441.7
3182.6
2847.3
2498.1
2158.7
1864.9
1644.6
1537.9
1471.4
1360.6
1197.1
1151.4
1097.3
1048.9
983.7
917.2
841.0
773.1
695.5
609.6
534.8
479.4
333.9
230.0
158.0
59.6
0.0

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