

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: McGRAW-EDISON

Report Number: P940637

Luminaire Tested: **GALN-SB3D-750-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-750-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32324 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

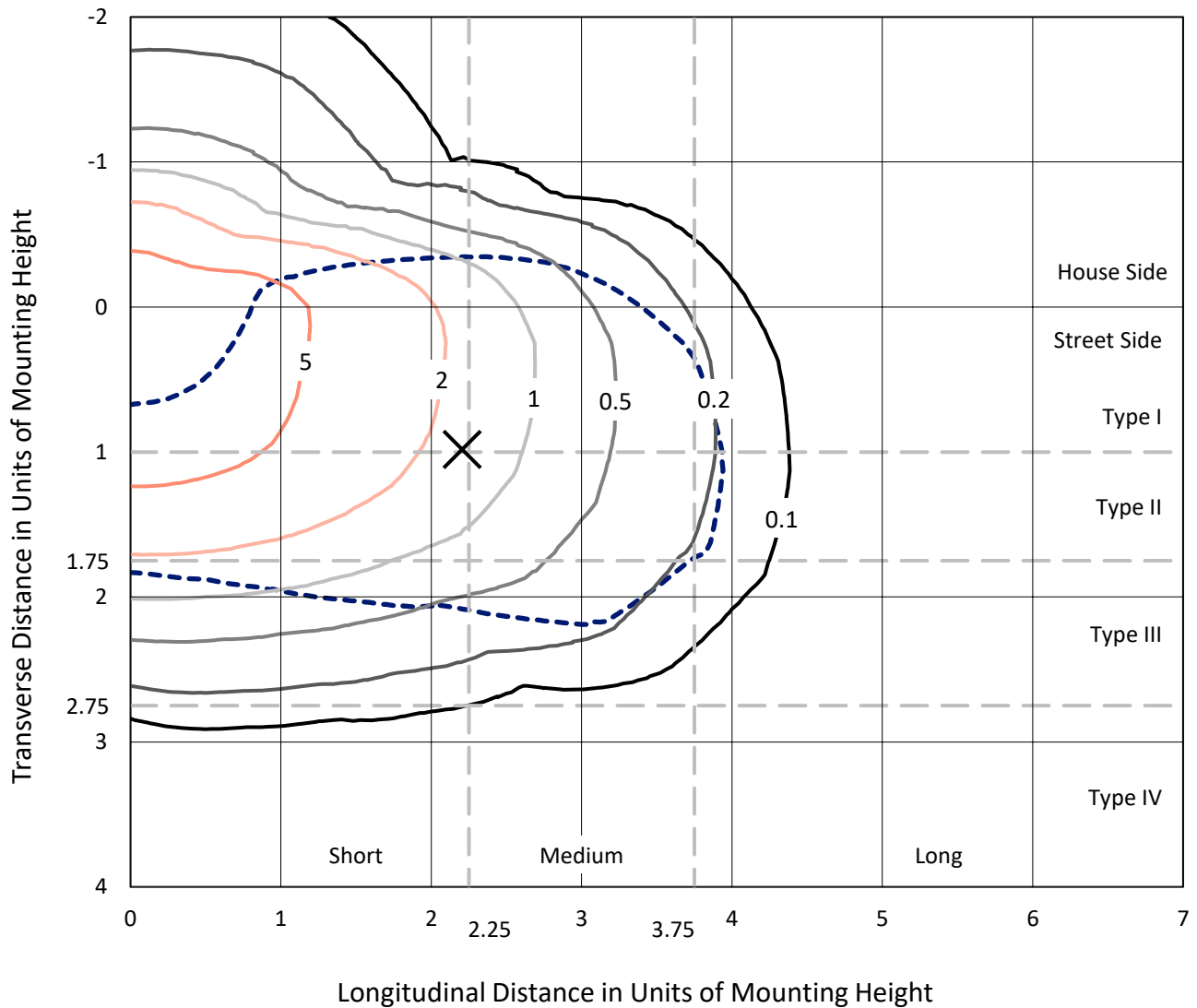
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

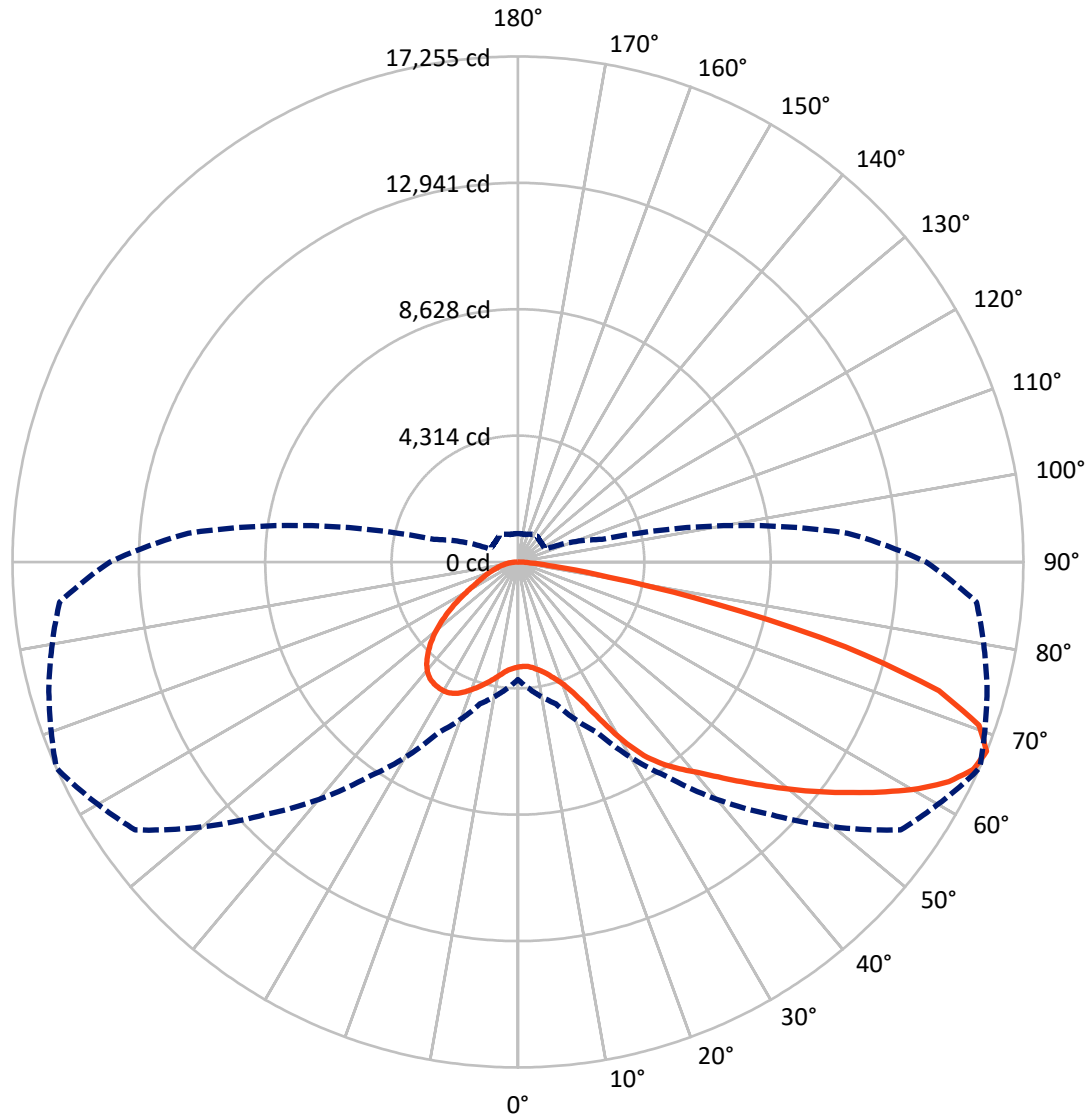
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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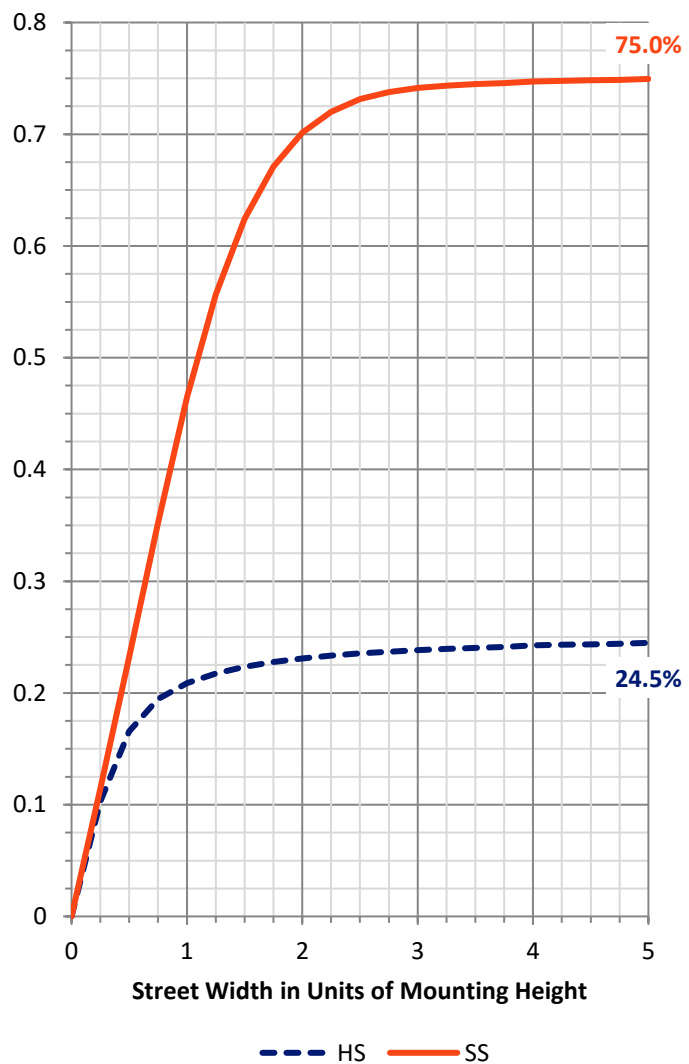
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8037.3	0.0	8037.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24286.7	0.0	24286.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	32324.0	0.0	32324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.5	1.1
10°-20°	1174.4	3.6
20°-30°	2263.5	7.0
30°-40°	3968.8	12.3
40°-50°	5900.3	18.3
50°-60°	7479.3	23.1
60°-70°	7318.3	22.6
70°-80°	3490.9	10.8
80°-90°	373.1	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°	32324.0	100.0
0°-180°	32324.0	100.0

Coefficient of Utilization



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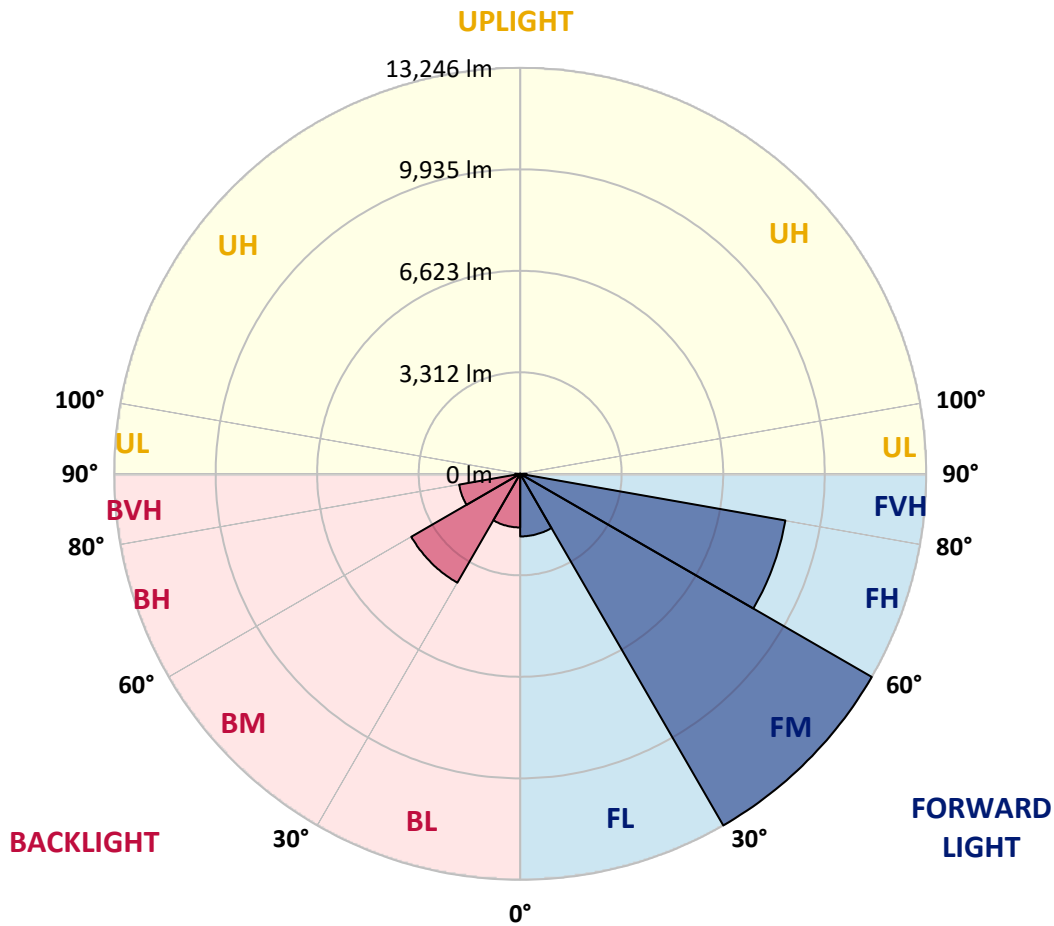
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2042.6	6.3			
FM (30°-60°)	13246.1	41.0			
FH (60°-80°)	8786.6	27.2			G4/12000
FVH (80°-90°)	211.5	0.7			G2/225
BL (0°-30°)	1750.8	5.4	B3/2500		
BM (30°-60°)	4102.3	12.7	B3/5000		
BH (60°-80°)	2022.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	161.6	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°	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2
2.5°	3547.8	3568.2	3563.1	3554.6	3552.9	3556.3	3561.4	3566.5	3564.8	3573.3
5°	3537.6	3558.0	3556.3	3556.3	3563.1	3576.7	3585.2	3593.7	3585.2	3595.3
7.5°	3544.4	3559.7	3566.5	3573.3	3590.3	3615.7	3636.1	3654.8	3644.6	3656.5
10°	3631.0	3642.9	3649.7	3649.7	3661.6	3690.5	3710.8	3744.8	3736.3	3755.0
12.5°	3789.0	3800.8	3800.8	3794.1	3802.5	3821.2	3828.0	3865.4	3850.1	3880.7
15°	3982.6	4006.3	3987.7	3975.8	3979.2	3997.9	3996.2	4025.0	4009.7	4035.2
17.5°	4196.6	4227.1	4196.6	4194.9	4188.1	4208.4	4210.1	4235.6	4208.4	4227.1
20°	4449.6	4492.1	4466.6	4475.1	4459.8	4468.3	4476.8	4514.1	4471.7	4485.3
22.5°	4806.3	4857.2	4830.0	4862.3	4852.1	4845.3	4843.6	4909.9	4843.6	4848.7
25°	5325.9	5387.1	5339.5	5383.7	5383.7	5405.8	5431.2	5516.2	5405.8	5373.5
27.5°	6093.6	6154.7	6061.3	6088.5	6080.0	6134.3	6107.2	6317.8	6198.9	6146.2
30°	7017.5	7126.2	6949.5	6942.7	6934.3	7020.9	7059.9	7199.2	7078.6	7026.0
32.5°	8016.1	8129.9	7919.3	7858.1	7825.9	7878.5	7846.2	7958.3	7875.1	7793.6
35°	9072.4	9184.5	8984.1	8865.2	8736.2	8625.8	8510.3	8539.2	8461.0	8337.1
37.5°	10071.1	10276.5	10064.3	9936.9	9699.1	9483.4	9160.8	9026.6	8953.6	8839.8
40°	11088.3	11205.5	11044.2	10935.5	10677.4	10339.4	9823.1	9539.5	9441.0	9330.6
42.5°	11837.3	11949.4	11862.8	11788.1	11586.0	11193.6	10526.2	10171.3	10028.6	9904.6
45°	12431.7	12514.9	12460.6	12487.8	12401.2	12020.7	11254.8	10848.9	10701.1	10550.0
47.5°	12671.2	12759.5	12846.1	13007.5	13155.2	12875.0	12037.7	11582.6	11426.3	11271.8
50°	12644.0	12734.0	12985.4	13328.4	13787.0	13693.6	12863.1	12363.8	12219.4	12042.8
52.5°	12426.6	12528.5	12851.2	13421.8	14152.1	14306.7	13703.8	13170.5	13034.6	12824.0
55°	11856.0	11917.1	12401.2	13209.6	14238.7	14734.6	14527.5	14029.8	13894.0	13600.2
57.5°	10797.9	10886.2	11591.1	12637.2	14021.4	15025.1	15250.9	14933.3	14802.6	14379.7
60°	9417.2	9558.2	10364.9	11676.0	13467.7	15023.4	15908.2	15821.6	15712.9	15147.3
62.5°	7854.7	8017.8	8793.9	10317.3	12499.7	14597.1	16319.2	16565.4	16509.4	15855.5
65°	6032.4	6144.5	6917.3	8559.5	10993.2	13681.7	16366.7	17073.2	17083.4	16393.9
67.5°	4016.5	4339.2	5010.1	6423.1	8975.6	12185.5	15948.9	17156.5	17255.0	16579.0
70°	1959.9	2384.4	3041.7	4174.5	6423.1	9891.0	14856.9	16473.7	16692.8	16039.0
72.5°	813.5	951.1	1309.4	2060.1	3687.1	6674.4	12662.7	14622.6	15028.5	14211.6
75°	548.6	594.4	749.0	1056.4	1679.6	3291.3	9131.9	10903.2	11557.1	10733.4
77.5°	422.9	451.8	545.2	738.8	998.6	1244.9	4887.8	6570.8	6908.8	6395.9
80°	332.9	354.9	407.6	538.4	708.2	665.7	1666.1	2977.2	3172.5	2661.3
82.5°	288.7	297.2	292.1	365.1	470.4	388.9	546.9	1098.8	1212.6	879.7
85°	208.9	232.7	242.9	225.9	249.7	197.0	224.2	388.9	428.0	382.1
87.5°	84.9	125.7	154.5	146.1	91.7	56.0	69.6	113.8	130.8	142.7
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°
3585.2	0°	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2	3585.2
3586.9	2.5°	3588.6	3600.4	3608.9	3619.1	3625.9	3636.1	3656.5	3668.4	3670.1	3678.6
3614.0	5°	3620.8	3637.8	3656.5	3683.7	3714.2	3739.7	3778.8	3805.9	3816.1	3824.6
3680.3	7.5°	3690.5	3714.2	3748.2	3795.8	3839.9	3873.9	3921.4	3953.7	3986.0	3997.9
3785.6	10°	3794.1	3828.0	3877.3	3941.8	3989.4	4033.5	4082.8	4109.9	4142.2	4155.8
3911.2	12.5°	3923.1	3958.8	4023.3	4113.3	4157.5	4188.1	4205.0	4198.3	4205.0	4216.9
4062.4	15°	4070.9	4109.9	4183.0	4279.8	4310.3	4283.2	4245.8	4211.8	4206.7	4210.1
4245.8	17.5°	4245.8	4274.7	4359.6	4441.1	4419.0	4306.9	4225.4	4171.1	4143.9	4135.4
4480.2	20°	4490.4	4490.4	4560.0	4610.9	4463.2	4273.0	4145.6	4057.3	4001.2	3977.5
4799.5	22.5°	4787.6	4760.4	4804.6	4768.9	4454.7	4177.9	4001.2	3848.4	3763.5	3729.5
5246.1	25°	5164.6	5132.3	5120.4	4899.7	4393.6	4026.7	3739.7	3554.6	3479.9	3461.2
5889.8	27.5°	5733.5	5652.0	5497.5	4971.0	4281.5	3789.0	3434.0	3262.5	3220.0	3221.7
6716.9	30°	6491.0	6327.9	5949.2	4982.9	4098.1	3452.7	3121.5	2999.2	2978.9	2987.3
7411.5	32.5°	7192.4	7037.8	6411.2	4928.5	3816.1	3123.2	2841.3	2759.8	2729.2	2739.4
7941.4	35°	7742.7	7700.2	6839.1	4852.1	3469.7	2814.1	2589.9	2520.3	2460.9	2447.3
8440.7	37.5°	8262.3	8245.4	7160.1	4745.1	3126.6	2595.0	2387.8	2296.1	2209.5	2162.0
8992.6	40°	8833.0	8816.0	7370.7	4580.4	2822.6	2404.8	2206.1	2085.5	1978.5	1891.9
9617.6	42.5°	9474.9	9374.7	7470.9	4344.3	2564.5	2243.5	2058.4	1895.3	1754.4	1674.5
10324.1	45°	10176.3	9950.5	7469.2	4043.7	2347.1	2095.7	1900.4	1669.5	1538.7	1464.0
11049.3	47.5°	10920.2	10500.7	7377.5	3710.8	2136.5	1932.7	1655.9	1479.2	1392.6	1346.8
11837.3	50°	11687.9	11015.3	7221.3	3328.7	1920.8	1747.6	1503.0	1382.4	1316.2	1273.7
12618.5	52.5°	12409.6	11482.4	7032.8	2895.6	1701.7	1567.6	1435.1	1341.7	1272.0	1224.5
13376.0	55°	13080.5	11884.9	6766.1	2452.4	1523.4	1447.0	1402.8	1324.7	1244.9	1188.8
14145.3	57.5°	13676.6	12146.4	6305.9	2036.3	1396.0	1363.8	1368.8	1295.8	1204.1	1156.6
14902.8	60°	14172.5	12338.3	5624.8	1650.8	1292.4	1282.2	1316.2	1241.5	1134.5	1080.1
15543.0	62.5°	14469.7	12334.9	4789.3	1351.9	1204.1	1207.5	1246.6	1173.5	1064.8	1013.9
15877.6	65°	14444.2	12032.6	3872.2	1156.6	1119.2	1122.6	1173.5	1098.8	1007.1	976.5
15709.5	67.5°	13933.0	11295.5	2970.4	1029.2	1025.8	1041.1	1100.5	1047.9	971.4	968.0
14707.5	70°	12548.9	9765.4	2139.9	927.3	929.0	951.1	1029.2	1015.6	952.8	959.6
12365.5	72.5°	10062.6	7445.4	1436.8	820.3	822.0	857.7	961.3	990.1	934.1	1024.1
8773.5	75°	6701.6	4643.2	923.9	706.5	708.2	754.1	901.8	940.9	883.1	1020.7
4565.1	77.5°	3220.0	2087.2	669.1	594.4	594.4	636.9	779.5	842.4	752.4	793.1
1467.4	80°	1112.4	784.6	526.5	478.9	468.7	497.6	657.3	730.3	648.8	597.8
478.9	82.5°	438.2	407.6	422.9	371.9	338.0	356.6	511.2	602.9	477.2	431.4
270.0	85°	251.4	264.9	298.9	246.3	195.3	219.1	375.3	433.1	360.0	317.6
88.3	87.5°	67.9	93.4	137.6	127.4	88.3	93.4	178.3	239.5	207.2	159.6
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

<u>180°</u>
3585.2
3676.9
3822.9
3999.5
4162.6
4220.3
4222.0
4147.3
3972.4
3724.4
3464.6
3226.8
3016.2
2753.0
2457.5
2163.7
1900.4
1679.6
1460.6
1336.6
1258.5
1204.1
1166.7
1126.0
1056.4
998.6
974.8
973.1
957.9
1037.7
1029.2
726.9
560.4
429.7
324.4
164.7
0.0

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