

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: P944372

Luminaire Tested: **GALN-SB9B-750-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-750-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53789 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

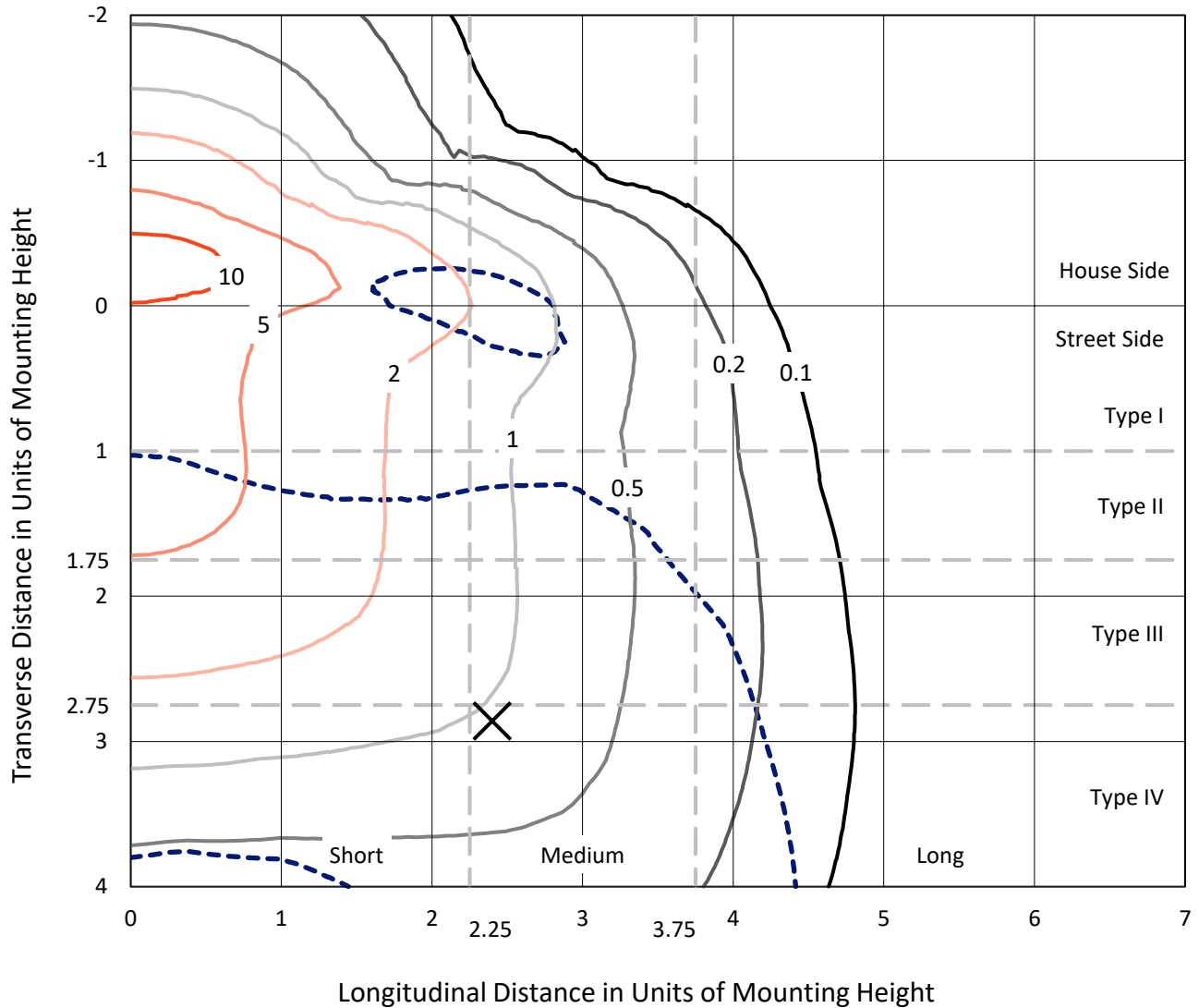
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944372
 CATALOG NUMBER: GALN-SB9B-750-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

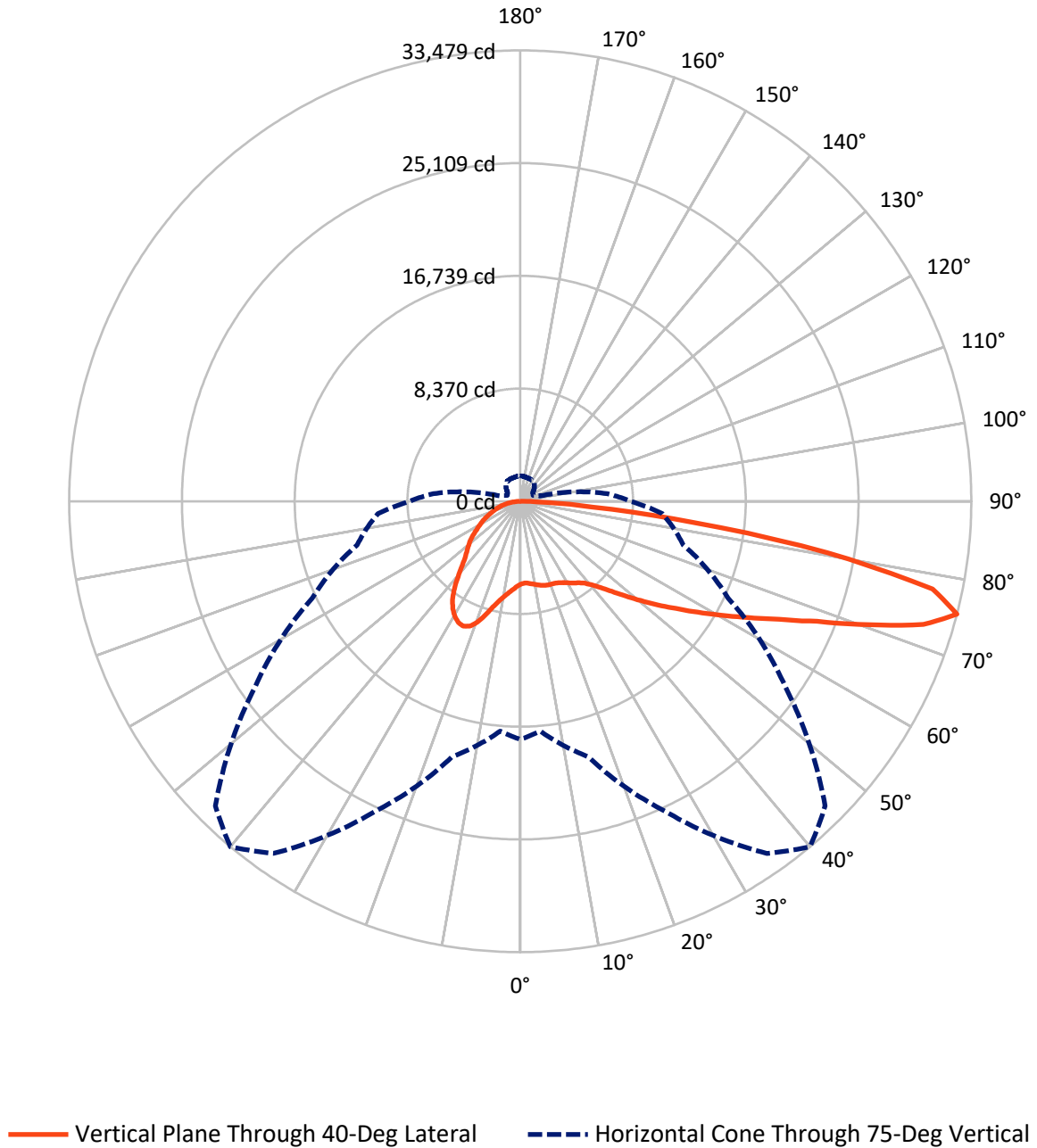
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P944372
CATALOG NUMBER: GALN-SB9B-750-U-SL4

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16665.6	0.0	16665.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	37123.4	0.0	37123.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	53789.0	0.0	53789.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.0	1.1
10°-20°	2061.4	3.8
20°-30°	3763.9	7.0
30°-40°	5338.3	9.9
40°-50°	7208.3	13.4
50°-60°	9697.1	18.0
60°-70°	12307.8	22.9
70°-80°	11170.1	20.8
80°-90°	1628.2	3.0
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°	53789.0	100.0
0°-180°	53789.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944372

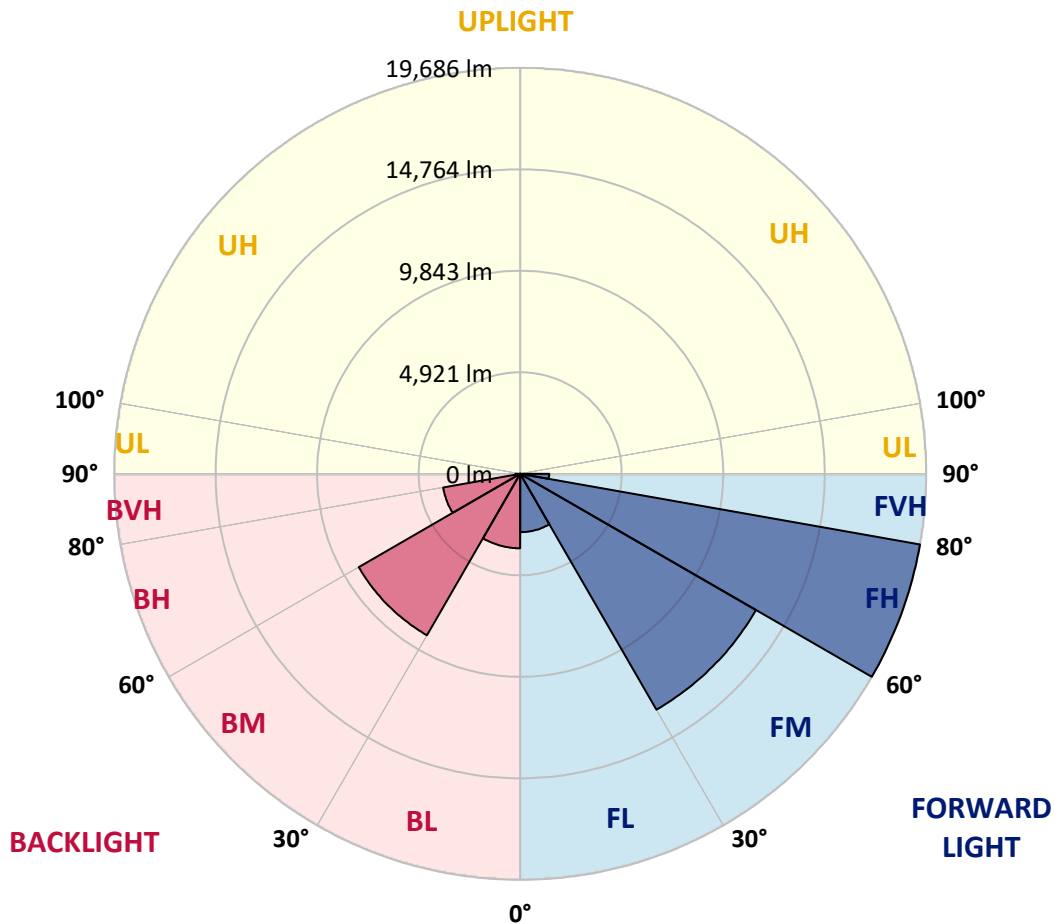
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2829.4	5.3			
FM (30°-60°)	13204.0	24.5			
FH (60°-80°)	19686.0	36.6			G5
FVH (80°-90°)	1404.1	2.6			G5
BL (0°-30°)	3609.9	6.7	B4/5000		
BM (30°-60°)	9039.6	16.8	B5		
BH (60°-80°)	3791.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	224.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type IV Medium



REPORT NUMBER: P944372

CATALOG NUMBER: GALN-SB9B-750-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8
2.5°	6056.7	6090.9	6082.4	6071.0	6071.0	6073.8	6071.0	6090.9	6110.9	6130.9
5°	6119.5	6153.7	6136.6	6122.3	6110.9	6108.1	6099.5	6096.6	6108.1	6133.7
7.5°	6242.1	6276.4	6250.7	6225.0	6202.2	6190.8	6179.4	6162.3	6153.7	6168.0
10°	6379.1	6413.3	6381.9	6336.3	6299.2	6284.9	6273.5	6256.4	6245.0	6253.5
12.5°	6516.0	6550.2	6507.5	6444.7	6396.2	6387.6	6373.4	6367.7	6364.8	6362.0
15°	6644.4	6672.9	6618.7	6544.5	6493.2	6478.9	6464.7	6473.2	6487.5	6504.6
17.5°	6744.2	6772.8	6692.9	6595.9	6547.4	6541.7	6533.1	6561.7	6601.6	6644.4
20°	6835.5	6864.1	6761.4	6630.1	6573.1	6573.1	6575.9	6635.8	6692.9	6755.7
22.5°	6963.9	6986.7	6861.2	6681.5	6598.7	6604.5	6627.3	6687.2	6758.5	6844.1
25°	7155.1	7172.2	7018.1	6778.5	6684.3	6701.5	6721.4	6750.0	6818.4	6918.3
27.5°	7463.2	7477.4	7274.9	6949.7	6807.0	6835.5	6864.1	6844.1	6875.5	6961.1
30°	7896.8	7905.4	7648.6	7217.8	7015.3	7029.5	7035.2	6952.5	6892.6	6961.1
32.5°	8410.3	8407.5	8102.2	7543.1	7252.1	7237.8	7189.3	7026.7	6886.9	6946.8
35°	9206.3	9174.9	8781.2	7999.5	7520.2	7431.8	7317.7	7109.4	6915.4	6932.5
37.5°	10524.3	10427.3	9882.4	8747.0	7919.6	7694.3	7525.9	7243.5	6978.2	6926.8
40°	12010.7	11888.0	11288.9	9771.2	8518.7	8156.4	7885.4	7434.6	7080.9	6952.5
42.5°	13773.8	13599.8	12955.0	10977.9	9277.6	8752.7	8344.7	7677.1	7232.1	7035.2
45°	15939.1	15708.0	14795.1	12338.8	10233.3	9534.4	8989.5	8045.2	7463.2	7195.0
47.5°	18127.3	18184.4	16886.3	13896.5	11380.2	10498.7	9796.8	8598.6	7799.8	7451.8
50°	20452.4	20492.4	18966.1	15622.5	12681.1	11588.5	10704.1	9217.7	8267.7	7816.9
52.5°	22266.9	22272.6	20854.7	17428.3	14036.2	12786.7	11682.6	9925.2	8809.7	8301.9
55°	23402.3	23388.0	22178.4	19137.2	15593.9	14044.8	12766.7	10729.7	9471.6	8872.5
57.5°	24226.8	24184.0	23091.3	20606.5	17254.3	15531.2	13993.5	11642.7	10253.3	9551.5
60°	24540.6	24514.9	23710.4	21876.0	19000.3	17174.4	15408.5	12664.0	11140.6	10353.2
62.5°	24660.4	24708.9	24318.1	23105.6	20868.9	18994.6	16963.3	13885.0	12139.1	11260.4
65°	25082.7	25171.1	25091.2	24714.6	22980.1	21125.7	19026.0	15337.2	13228.9	12233.2
67.5°	25918.6	26007.0	26041.2	26640.3	25559.1	23781.7	21599.3	17145.9	14504.1	13243.1
70°	25898.6	25872.9	26477.7	28172.3	28788.6	27459.1	25068.4	19371.2	16024.7	14081.9
72.5°	23573.5	23368.1	24797.4	28155.2	31476.0	31299.1	29304.9	22241.2	17337.0	14184.6
75°	17685.1	17137.3	19662.2	25373.7	31923.9	33478.7	31998.1	24021.4	17026.1	12532.8
77.5°	7563.0	7012.4	9988.0	18783.5	28571.8	31296.3	29527.5	20957.4	13591.2	8287.7
80°	1979.9	1977.1	3018.4	8515.9	19431.1	23111.3	20275.5	13534.1	7765.6	2961.3
82.5°	818.8	798.8	1109.8	3312.2	9494.4	12969.3	10584.2	6036.7	2804.4	801.7
85°	305.3	302.4	539.2	1144.0	3349.3	5349.2	3871.4	1543.4	699.0	390.8
87.5°	85.6	82.7	117.0	396.6	815.9	1238.2	661.9	253.9	196.8	154.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944372
 CATALOG NUMBER: GALN-SB9B-750-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6150.8	0°	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8	6150.8
6162.3	2.5°	6170.8	6185.1	6210.8	6230.7	6256.4	6284.9	6324.9	6350.5	6376.2	6393.3
6176.5	5°	6196.5	6227.9	6293.5	6359.1	6436.1	6507.5	6590.2	6650.1	6698.6	6712.9
6227.9	7.5°	6253.5	6304.9	6416.2	6527.4	6650.1	6767.1	6886.9	6989.6	7072.3	7103.7
6319.2	10°	6353.4	6421.9	6578.8	6735.7	6898.3	7078.0	7232.1	7380.4	7497.4	7545.9
6427.6	12.5°	6478.9	6564.5	6769.9	6986.7	7212.1	7460.3	7660.0	7842.6	7988.1	8053.7
6578.8	15°	6641.5	6752.8	7015.3	7306.3	7637.2	7982.4	8236.3	8438.9	8601.5	8681.4
6735.7	17.5°	6818.4	6966.8	7297.7	7737.1	8210.6	8664.2	8960.9	9109.3	9277.6	9354.6
6881.2	20°	6989.6	7172.2	7645.8	8284.8	8915.3	9397.4	9637.1	9677.0	9688.4	9697.0
7018.1	22.5°	7166.5	7411.8	8082.3	8975.2	9651.3	9985.1	10019.4	9848.2	9608.6	9497.3
7152.2	25°	7360.5	7685.7	8652.8	9736.9	10284.7	10324.6	10062.2	9645.6	9192.0	8983.8
7260.6	27.5°	7548.8	8002.4	9337.5	10464.4	10741.2	10390.2	9825.4	9234.8	8687.1	8467.4
7337.6	30°	7737.1	8364.7	10093.5	11100.6	10949.4	10227.6	9451.6	8792.6	8242.0	8010.9
7406.1	32.5°	7928.2	8786.9	10963.7	11559.9	10912.3	9882.4	8986.6	8296.2	7811.2	7568.7
7466.0	35°	8145.0	9306.1	11788.2	11811.0	10664.1	9374.6	8373.2	7702.8	7280.6	7086.6
7537.4	37.5°	8427.5	9965.2	12515.7	11873.8	10230.5	8630.0	7611.5	7001.0	6653.0	6564.5
7642.9	40°	8778.4	10758.3	13072.0	11773.9	9588.6	7725.6	6778.5	6290.6	6093.8	6113.8
7785.6	42.5°	9234.8	11645.5	13462.8	11517.1	8695.6	6792.7	6048.1	5831.3	5925.5	6005.3
7999.5	45°	9828.2	12567.0	13705.3	11080.6	7685.7	6002.5	5617.4	5668.7	5740.0	5748.6
8344.7	47.5°	10587.1	13499.9	13865.1	10421.6	6655.8	5446.2	5343.5	5354.9	5340.6	5280.7
8861.1	50°	11534.3	14407.1	14007.7	9548.6	5780.0	5098.1	4961.2	4921.2	4724.4	4530.4
9548.6	52.5°	12612.7	15240.2	14067.6	8464.5	5098.1	4807.1	4584.6	4333.5	3965.5	3905.6
10413.1	55°	13810.9	16010.5	13913.6	7132.2	4524.7	4433.4	4096.8	3794.4	3754.4	3703.1
11551.4	57.5°	15243.0	16840.6	13599.8	5645.9	3937.0	3996.9	3668.8	3703.1	3631.7	3551.9
13014.9	60°	16809.3	17699.4	13049.1	4290.8	3329.3	3452.0	3557.6	3554.7	3534.7	3469.1
14558.3	62.5°	18218.6	18264.2	11965.0	3286.5	2795.8	3029.8	3317.9	3315.1	3297.9	3260.9
16170.2	65°	19057.3	18178.7	10156.3	2587.6	2356.5	2681.7	2992.7	3015.5	3018.4	3015.5
17382.7	67.5°	18909.0	17177.3	7674.3	2059.8	1994.2	2328.0	2670.3	2701.7	2724.5	2730.2
17536.8	70°	17231.5	14977.7	5004.0	1643.3	1671.8	2017.0	2365.1	2396.4	2416.4	2439.2
15217.3	72.5°	13431.4	11012.2	2864.3	1329.4	1389.4	1748.8	2062.6	2099.7	2111.1	2153.9
10590.0	75°	8185.0	6476.1	1546.3	1047.0	1141.2	1494.9	1763.1	1805.9	1825.9	1877.2
5200.8	77.5°	3891.4	2804.4	881.5	815.9	918.6	1221.0	1489.2	1537.7	1483.5	1512.0
1435.0	80°	1315.2	1041.3	556.3	621.9	701.8	952.9	1192.5	1241.0	1126.9	1121.2
476.4	82.5°	459.3	422.2	353.8	413.7	453.6	681.8	901.5	964.3	838.8	835.9
214.0	85°	179.7	171.2	196.8	225.4	271.0	419.4	593.4	624.8	516.4	416.5
62.8	87.5°	37.1	39.9	48.5	51.4	82.7	145.5	214.0	262.5	208.3	176.9
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>
6150.8
6381.9
6718.6
7106.6
7548.8
8053.7
8675.7
9351.8
9719.8
9528.7
9015.2
8493.1
8036.6
7600.1
7129.4
6627.3
6182.2
6079.5
5805.6
5326.4
4556.1
3925.6
3711.6
3537.6
3446.3
3246.6
3015.5
2735.9
2450.6
2171.1
1882.9
1489.2
1109.8
796.0
410.8
162.6
0.0

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