

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: P957081

Luminaire Tested: **GALN-SB9C-750-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9C-750-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70532 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

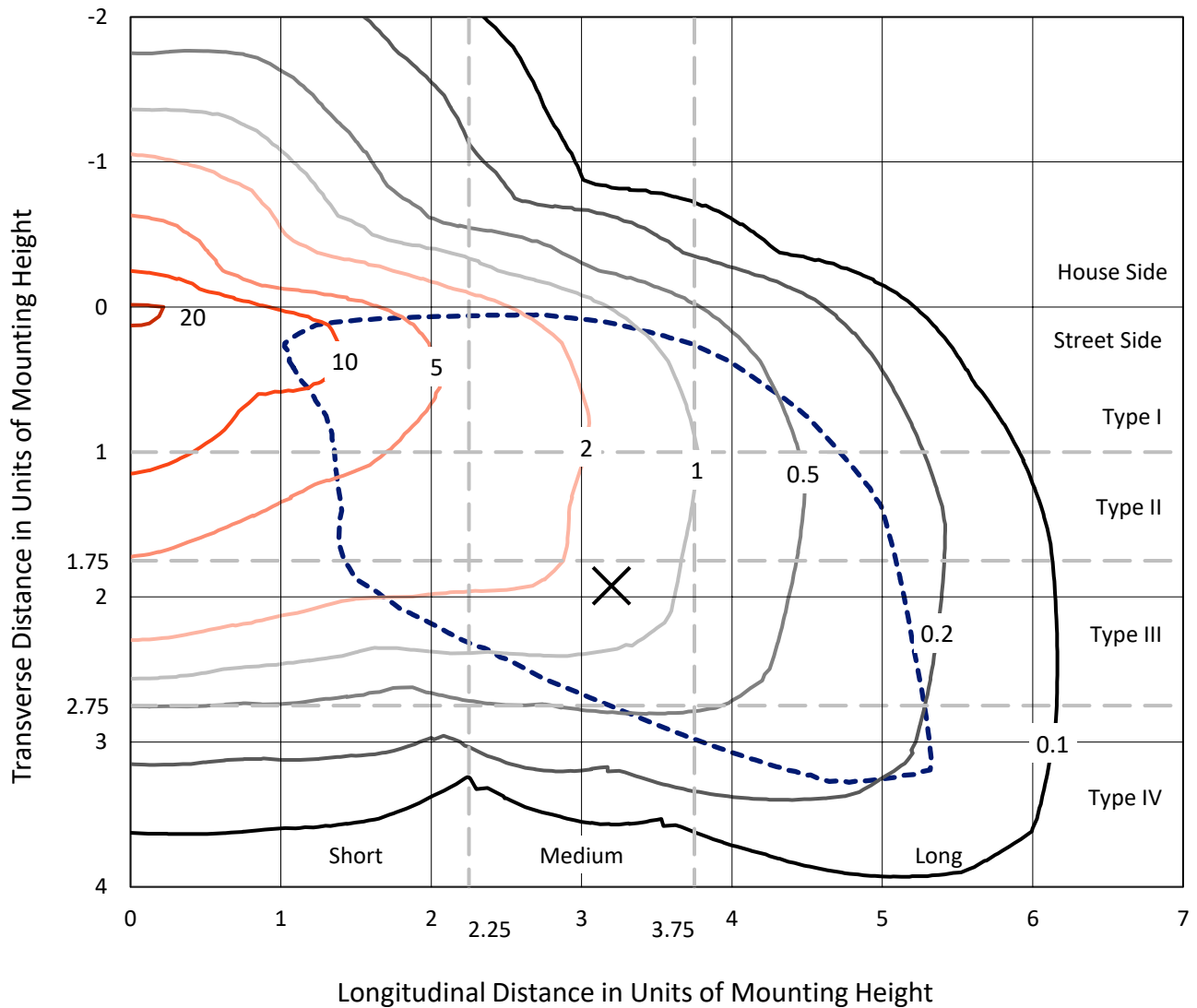
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957081
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Iso-Footcandle Lines of Horizontal Illumination

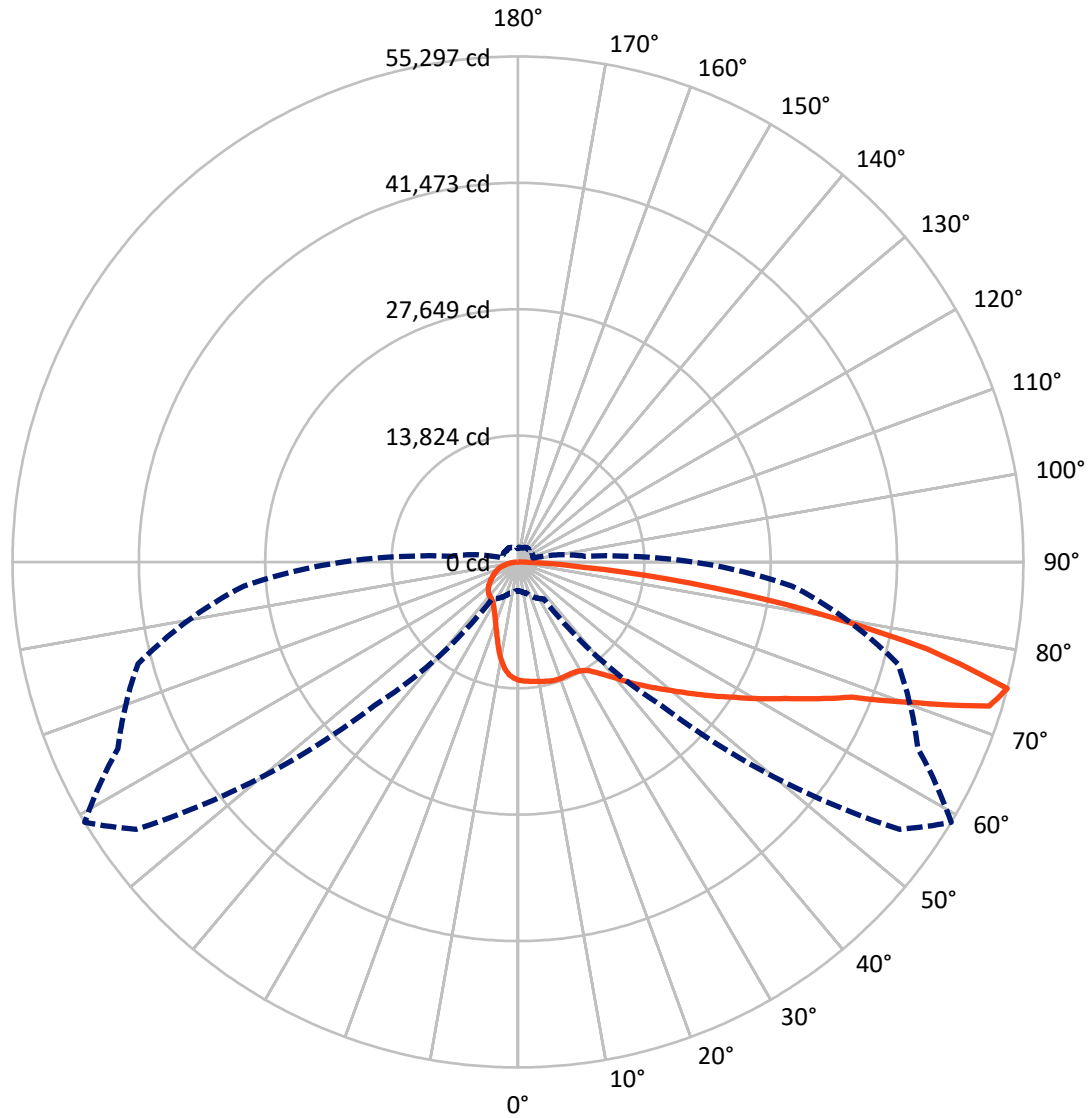
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13228.8	0.0	13228.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	57303.2	0.0	57303.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	70532.0	0.0	70532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1160.8	1.6
10°-20°	2967.1	4.2
20°-30°	4506.8	6.4
30°-40°	6699.3	9.5
40°-50°	9963.0	14.1
50°-60°	13523.6	19.2
60°-70°	16510.1	23.4
70°-80°	12956.9	18.4
80°-90°	2244.5	3.2
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°	70532.0	100.0
0°-180°	70532.0	100.0

Coefficient of Utilization



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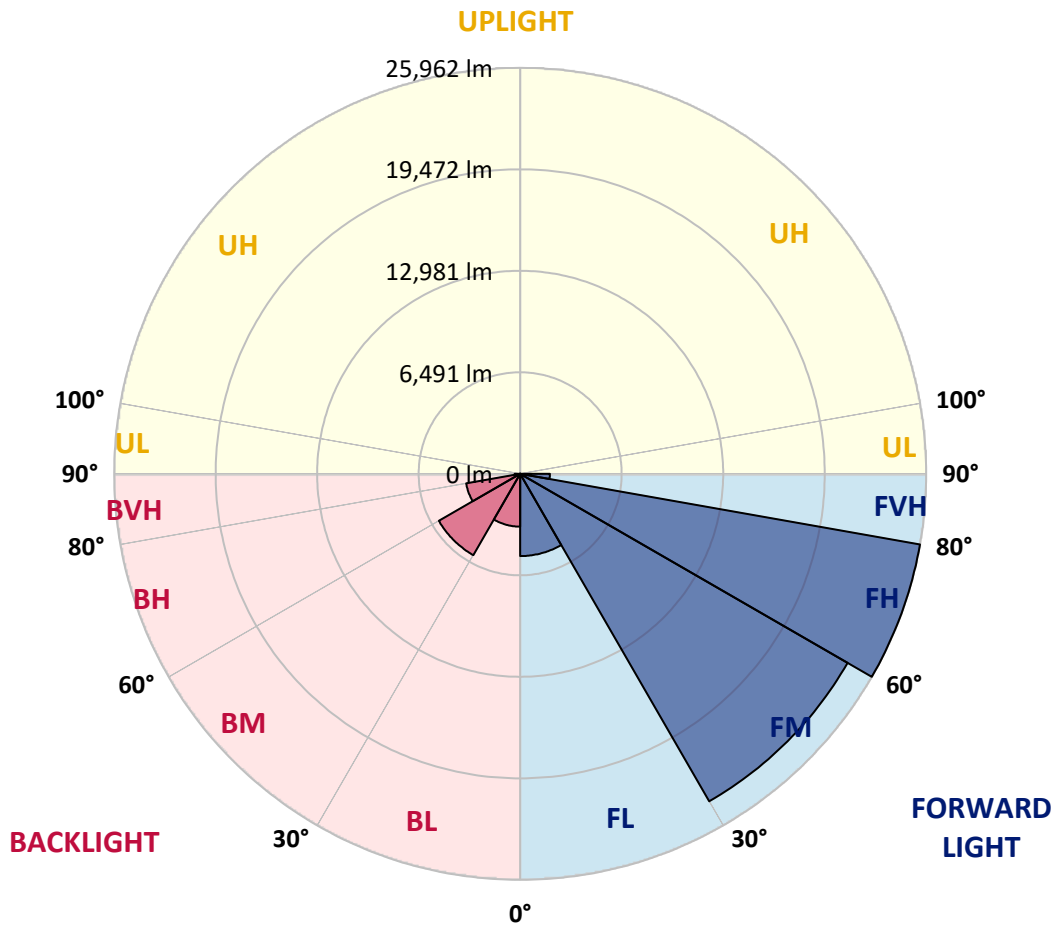
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5258.9	7.5			
FM (30°-60°)	24181.3	34.3			
FH (60°-80°)	25962.1	36.8			G5
FVH (80°-90°)	1900.9	2.7			G5
BL (0°-30°)	3375.8	4.8	B4/5000		
BM (30°-60°)	6004.5	8.5	B4/8500		
BH (60°-80°)	3504.8	5.0	B4/5000		G4/5000
BVH (80°-90°)	343.6	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



REPORT NUMBER: P957081
 CATALOG NUMBER: GALN-SB9C-750-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0
2.5°	13056.0	13010.5	13056.0	13037.1	13029.5	13014.3	13018.1	13044.6	13029.5	13048.4
5°	12968.8	12942.2	12987.7	12976.3	13025.7	13033.3	13082.6	13112.9	13131.9	13135.7
7.5°	12824.6	12798.0	12862.5	12915.6	13021.9	13052.2	13154.7	13204.0	13230.6	13276.1
10°	12297.2	12285.8	12445.2	12646.2	12896.7	13052.2	13207.8	13291.3	13333.0	13454.4
12.5°	11363.8	11379.0	11587.6	11974.7	12475.5	12976.3	13268.5	13389.9	13454.4	13606.2
15°	10472.1	10468.3	10696.0	11109.6	11811.5	12642.5	13298.9	13507.5	13617.6	13841.4
17.5°	9956.1	9940.9	10100.3	10415.2	11067.8	12130.2	13223.0	13572.0	13807.3	14088.1
20°	9861.3	9830.9	9914.4	10069.9	10532.8	11568.7	13025.7	13572.0	13959.1	14323.3
22.5°	10206.5	10157.2	10123.1	10104.1	10309.0	11105.8	12801.8	13526.5	14182.9	14661.0
25°	10900.9	10825.0	10650.5	10479.7	10419.0	10897.1	12604.5	13515.1	14516.8	15116.3
27.5°	12024.0	11929.1	11576.3	11166.5	10798.4	11003.3	12517.2	13583.4	14884.9	15598.2
30°	13416.5	13314.0	12870.1	12240.3	11580.1	11397.9	12627.3	13784.5	15355.3	16239.4
32.5°	14664.8	14551.0	14171.5	13530.3	12638.7	12080.9	12976.3	14167.7	16095.2	17131.1
35°	15772.7	15639.9	15298.4	14706.5	13936.3	13040.8	13606.2	14846.9	17146.2	18580.5
37.5°	16857.9	16702.3	16330.5	15704.4	15165.6	14319.5	14475.1	15719.6	18542.5	20341.0
40°	18072.0	17848.2	17396.7	16778.2	16254.6	15818.2	15617.1	16789.6	19961.6	22306.4
42.5°	19248.2	19035.8	18497.0	17969.6	17313.2	17188.0	16941.3	18041.7	21513.4	24465.3
45°	20515.5	20261.3	19608.7	18940.9	18527.3	18098.6	18223.8	19293.8	23034.9	26666.0
47.5°	21703.1	21418.6	20648.3	19904.7	19677.0	18865.0	19400.0	20671.1	24617.1	28897.0
50°	22344.4	22063.6	21422.4	20750.8	20572.4	19809.8	20674.9	22185.0	26275.2	31120.5
52.5°	22879.3	22575.8	21737.3	21365.4	21312.3	20838.0	22245.7	23915.2	27933.3	33085.9
55°	23448.5	23110.8	22040.8	21706.9	21949.8	21991.5	24108.7	25876.8	29686.2	35002.0
57.5°	24104.9	23676.1	22333.0	21995.3	22572.0	23342.2	26248.6	27910.5	31408.8	36777.7
60°	24723.4	24290.8	22894.5	22454.4	23243.6	24909.3	28703.5	30373.0	33359.1	38359.9
62.5°	24844.8	24488.1	23342.2	23338.5	24154.2	26738.1	31609.9	32858.2	35062.7	39923.1
65°	22742.8	22518.9	21839.7	23304.3	25459.4	29371.3	34846.4	36037.8	37229.2	41289.1
67.5°	17309.4	17339.7	17290.4	20117.1	24404.6	33154.2	39532.3	39441.3	39904.2	42821.9
70°	7914.8	8093.1	9254.2	13887.0	19551.8	33590.5	47280.2	46100.2	43262.1	44806.3
72.5°	4276.1	4412.7	4887.0	6727.2	11754.6	29864.6	53070.2	53908.7	47727.9	46141.9
75°	3137.8	3213.7	3543.8	4276.1	4936.3	22196.4	50994.8	55297.4	48285.7	43026.8
77.5°	2348.6	2382.8	2652.2	3388.3	2527.0	11701.5	40746.5	45796.6	41334.6	35351.1
80°	1703.6	1741.6	1942.7	2542.1	1771.9	4279.9	27978.8	32144.9	28308.9	22534.1
82.5°	1176.2	1191.4	1278.7	1730.2	1236.9	1661.9	15875.2	18849.8	15803.1	7907.2
85°	709.5	728.5	766.4	1009.3	701.9	789.2	6852.4	7087.7	4723.8	1889.5
87.5°	292.2	311.1	341.5	425.0	277.0	220.1	1130.7	1419.1	884.1	554.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957081
 CATALOG NUMBER: GALN-SB9C-750-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
12946.0	0°	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0	12946.0
12983.9	2.5°	12965.0	12938.4	12866.3	12767.7	12676.6	12562.8	12513.4	12471.7	12433.8	12361.7
13086.4	5°	13044.6	12972.6	12779.0	12528.6	12244.1	11932.9	11629.4	11420.7	11242.4	11109.6
13204.0	7.5°	13166.1	13029.5	12676.6	12164.4	11511.8	10844.0	10240.7	9811.9	9489.4	9371.8
13370.9	10°	13291.3	13128.1	12513.4	11610.4	10483.5	9455.3	8654.7	8214.6	7956.5	7873.1
13568.2	12.5°	13439.2	13200.2	12259.2	10840.2	9333.9	8207.0	7508.8	7250.8	7118.0	7072.5
13811.1	15°	13655.5	13260.9	11876.0	9876.4	8237.3	7296.3	6844.8	6666.5	6598.2	6594.4
14061.5	17.5°	13818.7	13272.3	11280.3	8844.4	7395.0	6746.2	6374.3	6306.0	6351.6	6419.9
14308.1	20°	14000.8	13169.9	10498.7	7903.4	6803.1	6264.3	6108.7	6154.3	6264.3	6363.0
14634.4	22.5°	14129.8	12983.9	9553.9	7171.1	6290.9	5987.3	5979.7	6074.6	6135.3	6184.6
15017.7	25°	14243.6	12669.0	8552.2	6556.5	5869.7	5820.4	5903.9	5873.5	5831.8	5873.5
15400.9	27.5°	14327.1	12172.0	7656.8	6017.7	5573.8	5706.6	5657.2	5588.9	5585.1	5607.9
15852.4	30°	14300.5	11508.0	6920.7	5505.5	5365.1	5494.1	5376.5	5365.1	5353.7	5365.1
16531.6	32.5°	14300.5	10752.9	6355.4	5152.6	5232.3	5182.9	5171.6	5145.0	5099.5	5095.7
17453.6	35°	14380.2	9997.9	5869.7	4962.9	5122.2	5004.6	5012.2	4947.7	4852.8	4807.3
18675.3	37.5°	14543.4	9390.8	5387.8	4871.8	4928.7	4924.9	4894.6	4784.6	4617.6	4473.4
20200.6	40°	14938.0	9212.4	5057.7	4830.1	4837.7	4883.2	4803.5	4591.0	4211.6	3976.4
21748.7	42.5°	15556.4	9512.2	4985.6	4727.6	4777.0	4822.5	4666.9	4173.7	3904.3	3763.9
23372.6	45°	16341.8	10035.8	5141.2	4579.7	4632.8	4712.5	4249.6	4014.3	3892.9	3896.7
24981.4	47.5°	17335.9	10586.0	5429.6	4450.7	4424.1	4469.6	3972.6	3828.4	3661.5	3703.2
26525.6	50°	18485.6	11143.7	5702.8	4276.1	4192.6	4044.7	3794.3	3657.7	3445.2	3346.5
28016.8	52.5°	19730.1	11682.5	5812.8	4063.6	3942.2	3771.5	3672.8	3505.9	3247.9	3084.7
29424.4	55°	20910.1	12172.0	5691.4	3809.4	3691.8	3559.0	3543.8	3441.4	3164.4	2936.8
30676.5	57.5°	22025.6	12581.7	5387.8	3551.4	3437.6	3357.9	3460.4	3411.0	3062.0	2769.8
31860.3	60°	22970.4	12862.5	4947.7	3289.6	3209.9	3168.2	3323.8	3308.6	2917.8	2591.5
32922.7	62.5°	23721.7	12972.6	4462.0	3039.2	3020.2	2944.3	3134.1	3134.1	2735.7	2416.9
33856.1	65°	24309.8	12866.3	3968.8	2792.6	2830.5	2716.7	2902.6	2879.8	2542.1	2261.4
34929.9	67.5°	24829.6	12517.2	3422.4	2549.7	2637.0	2492.8	2659.8	2606.7	2329.7	2105.8
35859.5	70°	25061.0	11705.3	2800.2	2306.9	2413.1	2272.8	2416.9	2318.3	2090.6	1938.9
34838.8	72.5°	23201.9	9728.5	2204.5	2052.7	2143.8	2029.9	2155.1	2041.3	1832.6	1764.3
30084.6	75°	19195.1	7300.1	1696.0	1775.7	1844.0	1756.7	1840.2	1756.7	1567.0	1616.4
22222.9	77.5°	13940.1	4928.7	1297.6	1483.6	1513.9	1468.4	1540.5	1445.6	1274.9	1263.5
11075.4	80°	6932.1	2887.4	1016.9	1172.4	1161.0	1130.7	1214.2	1168.6	1024.4	1085.2
2989.9	82.5°	2007.2	1236.9	739.9	823.4	800.6	808.2	868.9	891.6	1335.6	1324.2
929.6	85°	629.8	485.7	443.9	459.1	436.3	447.7	512.2	1016.9	941.0	550.2
288.4	87.5°	163.2	166.9	110.0	117.6	121.4	144.2	163.2	618.5	296.0	193.5
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>
12946.0
12327.5
10999.5
9166.9
7744.1
7083.9
6609.6
6446.4
6397.1
6211.2
5900.1
5645.8
5406.8
5145.0
4852.8
4522.7
4006.7
3763.9
3915.7
3809.4
3373.1
3080.9
2936.8
2754.6
2580.1
2405.6
2246.2
2090.6
1908.5
1707.4
1476.0
1206.6
1073.8
1354.5
595.7
204.9
0.0

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