

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: P954467

Luminaire Tested: **GALN-SB7C-950-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-950-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28540 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

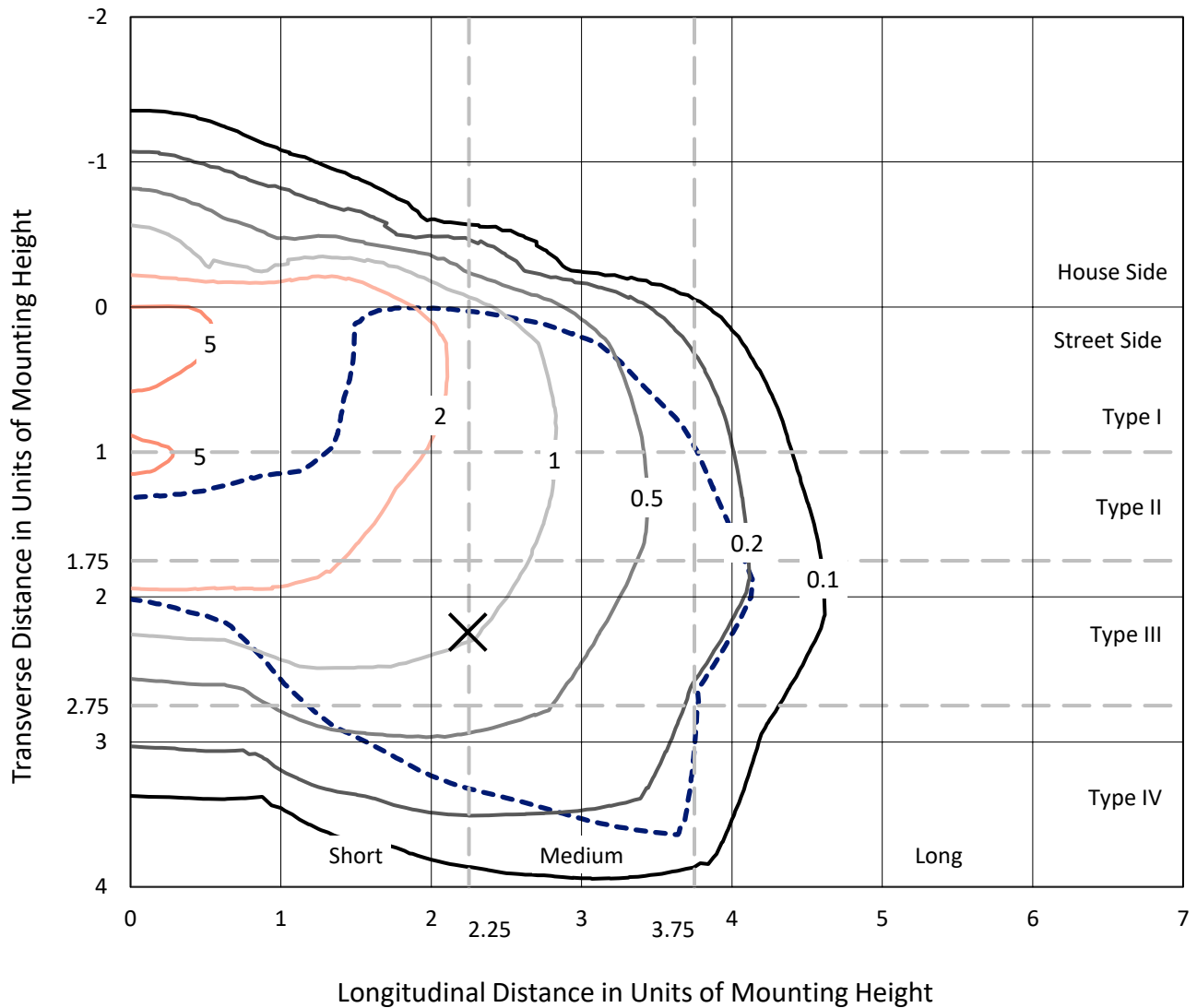
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

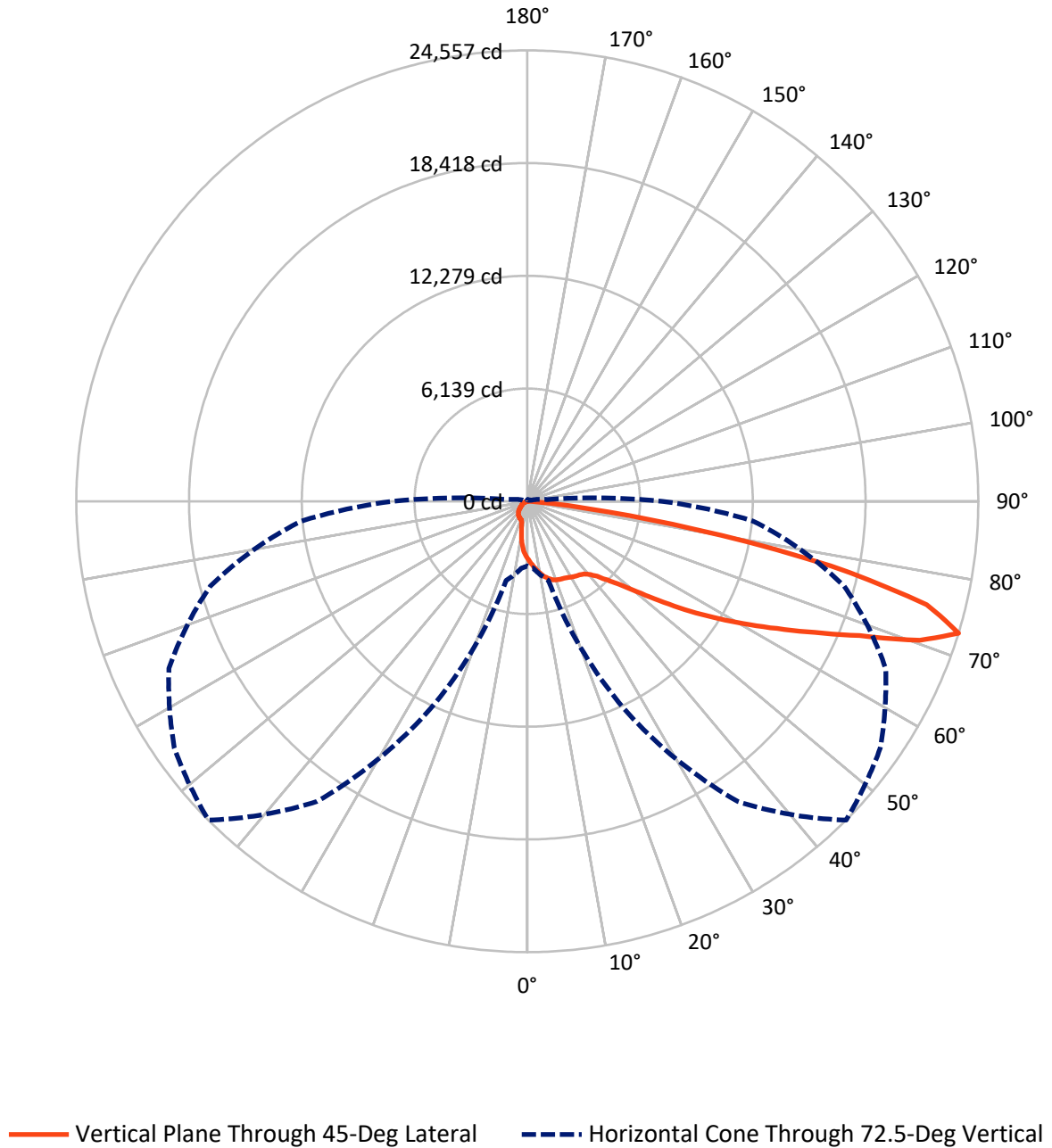
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P954467
CATALOG NUMBER: GALN-SB7C-950-U-T4W-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2998.8	0.0	2998.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	25541.2	0.0	25541.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	28540.0	0.0	28540.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.6	1.0
10°-20°	861.0	3.0
20°-30°	1413.8	5.0
30°-40°	2005.1	7.0
40°-50°	3314.3	11.6
50°-60°	5953.8	20.9
60°-70°	8267.1	29.0
70°-80°	5996.7	21.0
80°-90°	433.5	1.5
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°	28540.0	100.0
0°-180°	28540.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954467

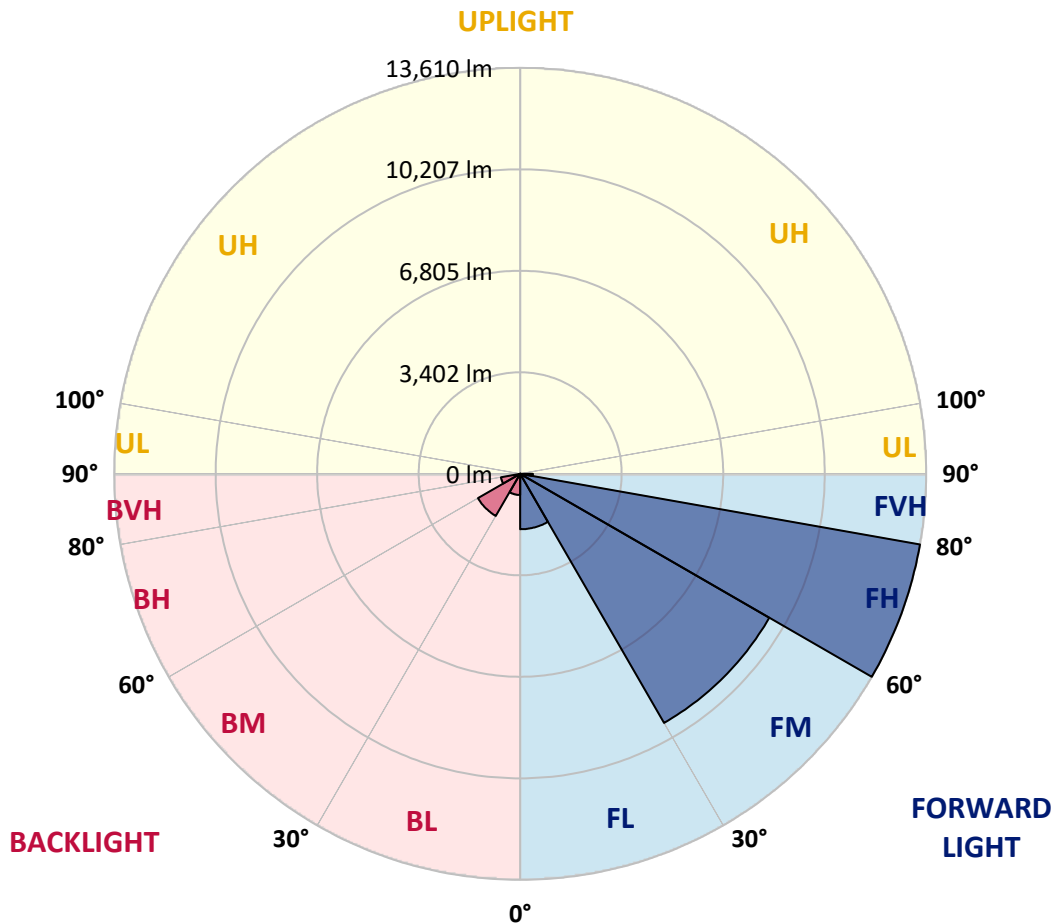
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1859.1	6.5			
FM (30°-60°)	9642.3	33.8			
FH (60°-80°)	13609.9	47.7			G5
FVH (80°-90°)	429.9	1.5			G3/500
BL (0°-30°)	710.3	2.5	B2/1000		
BM (30°-60°)	1630.9	5.7	B2/2500		
BH (60°-80°)	653.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



REPORT NUMBER: P954467

CATALOG NUMBER: GALN-SB7C-950-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6
2.5°	3414.9	3420.8	3416.9	3393.5	3354.5	3333.1	3321.4	3282.5	3257.1	3212.3
5°	3728.6	3751.9	3738.3	3691.6	3617.5	3564.9	3549.3	3469.5	3397.4	3313.6
7.5°	4061.7	4073.4	4048.0	3987.7	3888.3	3798.7	3785.1	3674.0	3559.1	3430.5
10°	4350.0	4363.6	4324.7	4237.0	4124.0	4013.0	3993.5	3870.8	3734.4	3576.6
12.5°	4591.6	4605.2	4554.5	4449.3	4324.7	4209.7	4190.3	4061.7	3911.7	3736.4
15°	4774.7	4800.0	4731.8	4618.8	4484.4	4369.5	4359.7	4233.1	4087.0	3892.2
17.5°	4881.8	4907.1	4842.8	4706.5	4591.6	4494.1	4482.5	4377.3	4240.9	4053.9
20°	4899.3	4922.7	4854.5	4735.7	4640.3	4562.3	4556.5	4480.5	4381.2	4201.9
22.5°	4846.7	4876.0	4813.6	4718.2	4651.9	4611.0	4603.2	4560.4	4503.9	4351.9
25°	4792.2	4815.6	4768.8	4685.1	4650.0	4646.1	4651.9	4644.1	4632.5	4503.9
27.5°	4788.3	4813.6	4761.0	4681.2	4661.7	4702.6	4708.4	4745.4	4755.2	4642.2
30°	4821.4	4839.0	4788.3	4704.5	4694.8	4788.3	4790.3	4856.5	4872.1	4759.1
32.5°	4893.5	4913.0	4862.3	4739.6	4726.0	4856.5	4862.3	4950.0	4975.3	4883.8
35°	5063.0	5086.4	5027.9	4837.0	4788.3	4920.8	4938.3	5041.5	5092.2	5016.2
37.5°	5485.7	5417.5	5337.7	5033.8	4930.5	5022.1	5051.3	5172.1	5261.7	5174.0
40°	6535.7	6321.4	6072.1	5368.8	5179.9	5238.3	5261.7	5382.5	5505.2	5419.5
42.5°	8111.7	7858.4	7457.1	6140.2	5555.8	5585.1	5602.6	5707.8	5881.2	5813.0
45°	9516.2	9424.7	9015.6	7457.1	6259.1	6114.9	6136.4	6190.9	6446.1	6420.8
47.5°	10595.4	10542.8	10227.3	8968.8	7447.4	6763.6	6824.0	6849.3	7217.5	7307.1
50°	11425.3	11405.8	11123.4	10313.0	9000.0	7720.1	7741.5	7687.0	8238.3	8460.4
52.5°	12208.4	12274.7	12066.2	11561.7	10657.8	8972.7	8968.8	8711.7	9455.8	9790.9
55°	12915.6	12938.9	12960.4	12835.7	12325.3	10398.7	10361.7	9940.9	10868.2	11214.9
57.5°	13579.8	13589.6	13780.5	14035.7	14061.0	11929.8	11861.7	11357.1	12411.0	12658.4
60°	14025.9	14070.8	14474.0	15183.1	15492.8	13509.7	13472.7	12958.4	13981.1	14096.1
62.5°	13383.1	13655.8	14672.7	16079.2	16844.8	15261.0	15243.5	14760.4	15633.1	15539.6
65°	10833.1	11294.8	13083.1	16685.0	18171.4	17216.9	17242.2	16727.9	17329.8	17025.9
67.5°	7577.9	8064.9	10180.5	16733.7	19653.9	19513.6	19659.7	18853.2	19131.8	18450.0
70°	5240.3	5491.5	6868.8	15685.7	20809.1	22677.2	22673.3	21463.6	20924.0	19098.7
72.5°	3524.0	3654.5	4461.0	12444.1	19959.7	24557.1	24444.1	23458.4	21527.9	17861.7
75°	1486.4	1581.8	2064.9	6993.5	15790.9	22466.8	22161.0	20731.1	19127.9	14064.9
77.5°	471.4	512.3	814.3	2503.2	8698.0	16887.6	16564.3	12946.7	12820.1	7055.8
80°	224.0	261.0	457.8	1005.2	3422.7	9185.0	9140.2	5873.4	5514.9	1905.2
82.5°	97.4	114.9	253.2	537.7	1531.2	3276.6	3342.9	1998.7	1653.9	722.7
85°	31.2	40.9	116.9	247.4	646.8	814.3	804.5	475.3	666.2	393.5
87.5°	0.0	0.0	39.0	56.5	66.2	46.8	52.6	40.9	185.1	109.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954467
 CATALOG NUMBER: GALN-SB7C-950-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3126.6	0°	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6	3126.6
3165.6	2.5°	3142.2	3111.0	3056.5	3005.8	2961.0	2916.2	2889.0	2850.0	2846.1	2846.1
3216.2	5°	3163.6	3113.0	3015.6	2912.3	2793.5	2680.5	2567.5	2458.4	2423.4	2398.0
3298.0	7.5°	3226.0	3146.1	2992.2	2795.4	2569.5	2322.1	2148.7	1961.7	1889.6	1850.6
3407.1	10°	3315.6	3206.5	2972.7	2627.9	2261.7	1924.7	1677.3	1474.7	1396.8	1363.6
3526.0	12.5°	3414.9	3280.5	2937.7	2419.5	1924.7	1521.4	1279.9	1186.4	1174.7	1174.7
3668.2	15°	3533.8	3370.1	2877.3	2174.0	1572.1	1203.9	1118.2	1122.1	1133.8	1141.6
3806.5	17.5°	3656.5	3465.6	2781.8	1899.3	1260.4	1083.1	1085.1	1090.9	1100.6	1108.4
3956.5	20°	3789.0	3561.0	2655.2	1607.1	1081.2	1048.1	1053.9	1059.7	1067.5	1071.4
4096.7	22.5°	3931.2	3650.6	2505.2	1320.8	1020.8	1018.8	1020.8	1026.6	1036.4	1036.4
4260.4	25°	4083.1	3750.0	2333.8	1112.3	989.6	989.6	993.5	997.4	1005.2	1005.2
4418.2	27.5°	4239.0	3841.6	2152.6	1003.2	962.3	960.4	960.4	966.2	970.1	972.1
4574.0	30°	4410.4	3948.7	1971.4	979.9	940.9	931.2	925.3	929.2	933.1	935.1
4737.7	32.5°	4585.7	4051.9	1809.7	989.6	919.5	901.9	882.5	878.6	878.6	886.4
4907.1	35°	4780.5	4164.9	1685.1	1022.7	907.8	859.1	827.9	810.4	812.3	824.0
5109.7	37.5°	5014.3	4301.3	1593.5	1051.9	900.0	810.4	759.7	738.3	724.7	738.3
5388.3	40°	5320.1	4501.9	1527.3	1075.3	890.3	753.9	685.7	650.6	625.3	633.1
5820.8	42.5°	5770.1	4817.5	1501.9	1077.3	868.8	687.7	609.7	563.0	526.0	527.9
6471.4	45°	6401.3	5316.2	1632.5	1051.9	822.1	615.6	529.9	467.5	444.2	438.3
7443.5	47.5°	7266.2	6042.8	1934.4	999.3	753.9	545.5	451.9	399.3	381.8	372.1
8719.5	50°	8425.3	6976.0	2269.5	940.9	685.7	479.2	387.7	354.5	342.9	333.1
10233.1	52.5°	9769.5	7922.7	2544.2	882.5	617.5	420.8	346.8	327.3	317.5	309.7
11694.1	55°	11002.6	8575.3	2528.6	820.1	551.3	374.0	317.5	305.8	294.2	286.4
12952.6	57.5°	11770.1	8666.9	2084.4	751.9	475.3	337.0	290.3	282.5	268.8	259.1
14041.5	60°	12122.7	8144.8	1461.0	662.3	399.3	301.9	261.0	257.1	239.6	226.0
15072.1	62.5°	12187.0	7174.7	974.0	551.3	333.1	268.8	231.8	226.0	202.6	179.2
15909.7	65°	11926.0	5787.7	674.0	430.5	284.4	233.8	198.7	187.0	161.7	138.3
16108.4	67.5°	11100.0	4063.6	469.5	309.7	241.6	185.1	157.8	153.9	134.4	114.9
15095.4	70°	9586.3	2316.2	313.6	231.8	190.9	126.6	124.7	128.6	109.1	93.5
12333.1	72.5°	7350.0	1059.7	194.8	169.5	130.5	85.7	99.4	101.3	83.8	70.1
7694.8	75°	4326.6	453.9	122.7	109.1	66.2	56.5	72.1	74.0	56.5	44.8
2813.0	77.5°	1472.7	171.4	77.9	64.3	33.1	31.2	46.8	46.8	31.2	17.5
564.9	80°	335.1	64.3	39.0	25.3	15.6	13.6	15.6	13.6	7.8	1.9
173.4	82.5°	95.5	25.3	15.6	9.7	5.8	5.8	1.9	0.0	0.0	0.0
60.4	85°	27.3	11.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
21.4	87.5°	11.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
3126.6
2855.8
2409.7
1856.5
1363.6
1174.7
1141.6
1108.4
1073.4
1040.3
1007.1
974.0
939.0
892.2
829.9
734.4
629.2
520.1
430.5
366.2
331.2
307.8
282.5
257.1
222.1
167.5
130.5
109.1
85.7
62.3
39.0
13.6
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