

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: P955490

Luminaire Tested: **GALN-SB8B-935-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8B-935-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26819 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

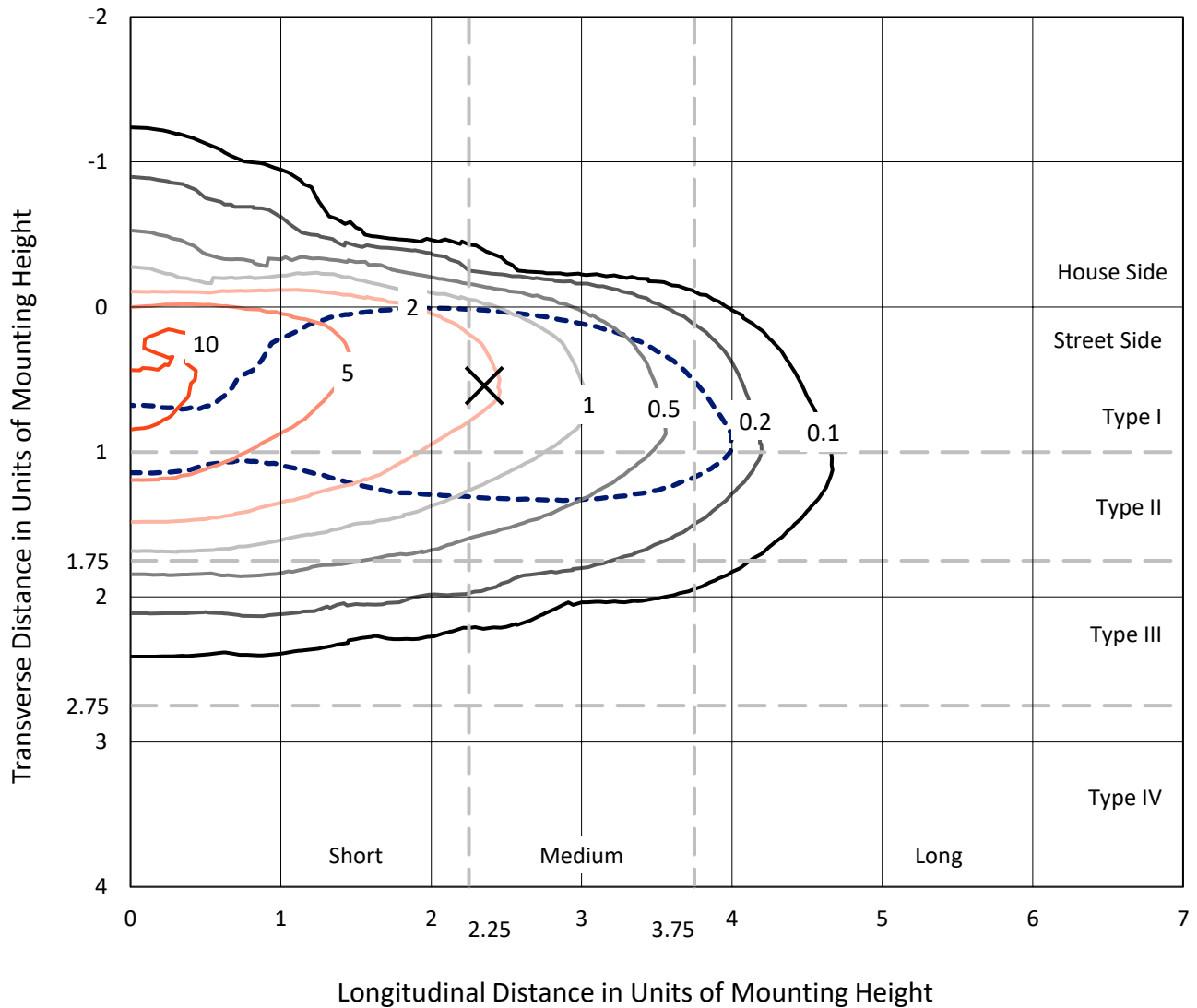
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

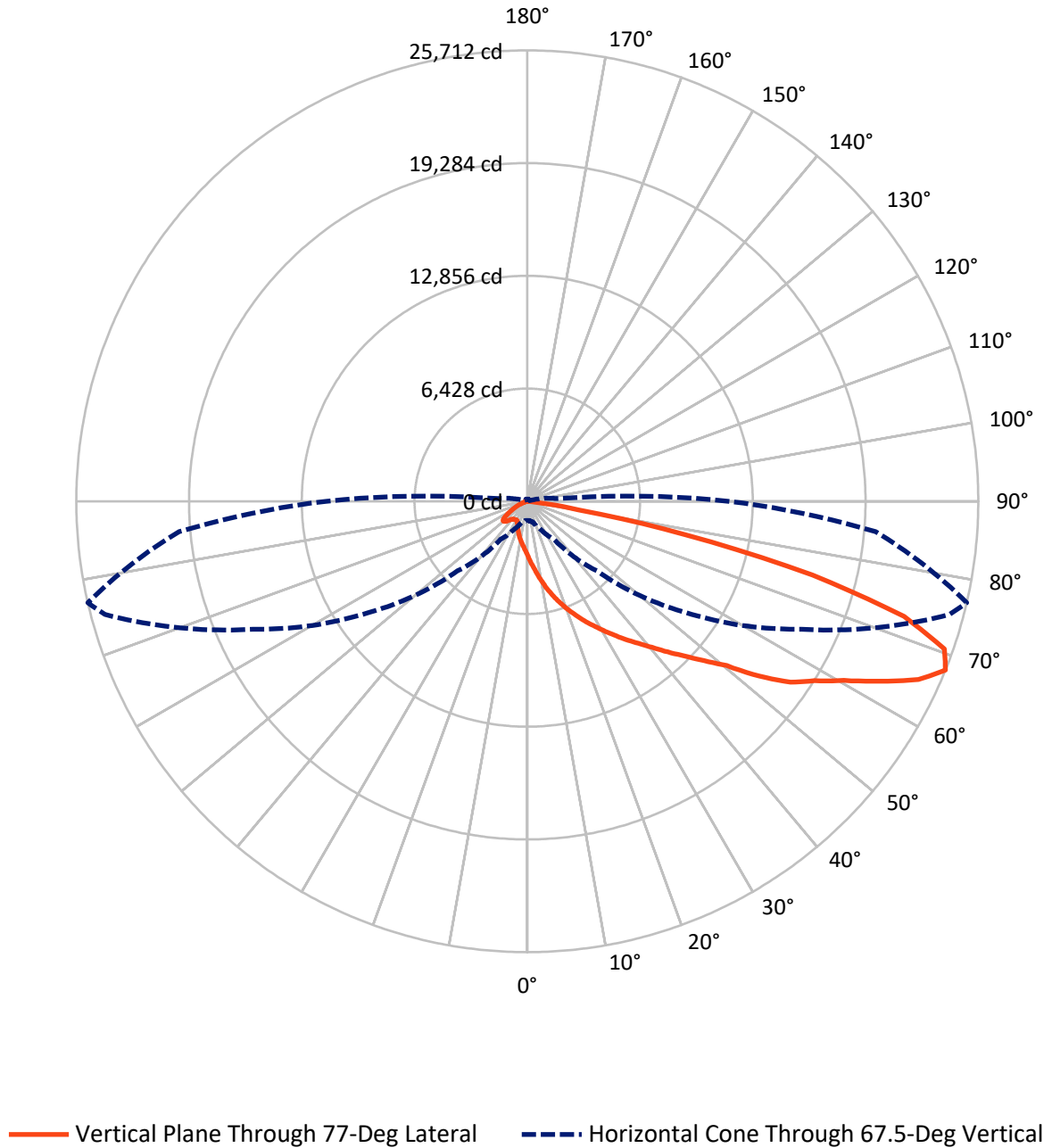
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1973.1	0.0	1973.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	24845.9	0.0	24845.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	26819.0	0.0	26819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	1.2
10°-20°	1105.4	4.1
20°-30°	2133.1	8.0
30°-40°	3703.1	13.8
40°-50°	5376.8	20.0
50°-60°	6174.5	23.0
60°-70°	5360.7	20.0
70°-80°	2524.9	9.4
80°-90°	124.9	0.5
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°	26819.0	100.0
0°-180°	26819.0	100.0

Coefficient of Utilization



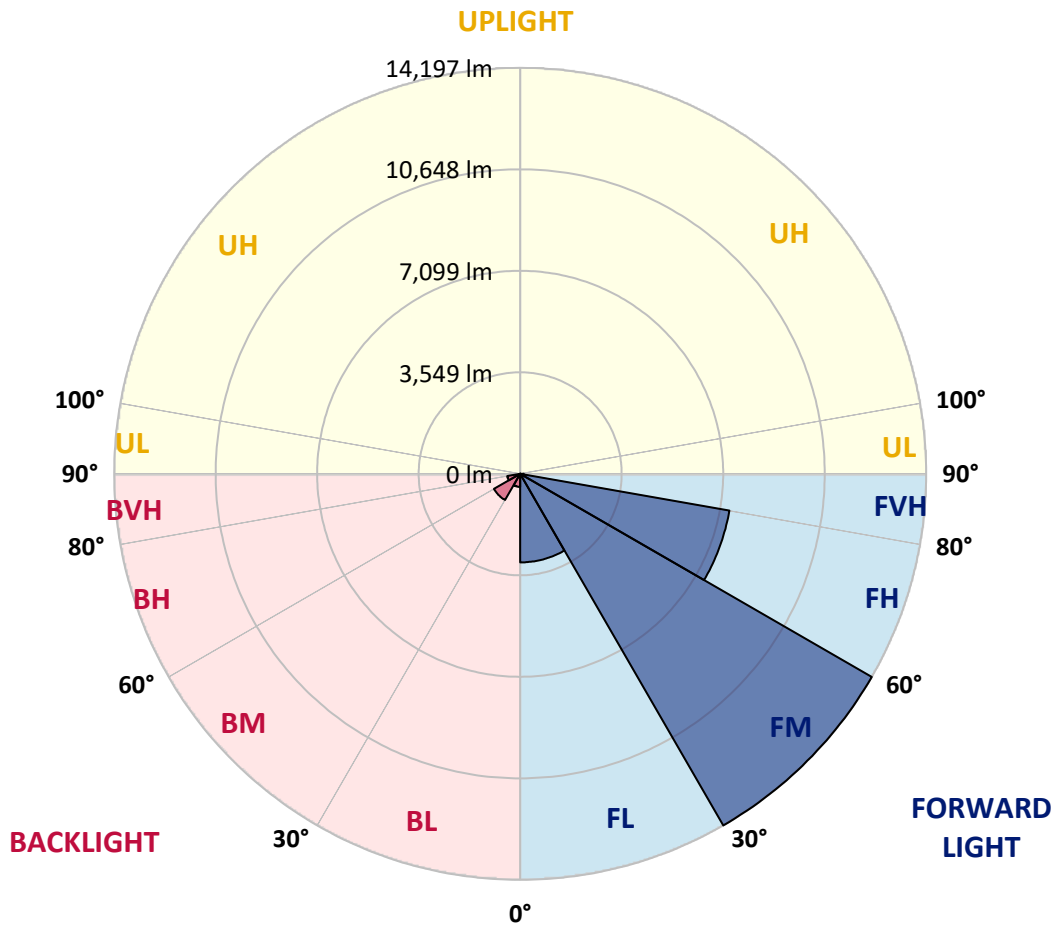
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3097.3	11.5			
FM (30°-60°)	14197.3	52.9			
FH (60°-80°)	7428.8	27.7			G3/7500
FVH (80°-90°)	122.6	0.5			G2/225
BL (0°-30°)	456.8	1.7	B1/500		
BM (30°-60°)	1057.2	3.9	B2/2500		
BH (60°-80°)	456.8	1.7	B1/500		G1/500
BVH (80°-90°)	2.3	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6
2.5°	4281.7	4308.4	4270.1	4196.8	4086.9	4015.2	3840.4	3675.5	3492.3	3434.0
5°	5219.3	5242.6	5199.3	5119.4	4972.8	4833.0	4603.1	4258.4	3900.3	3785.4
7.5°	5913.8	5927.1	5910.5	5837.2	5697.3	5539.1	5282.6	4874.6	4343.3	4216.8
10°	6413.4	6456.7	6451.7	6423.4	6330.1	6201.9	5928.8	5464.1	4839.6	4676.4
12.5°	6744.8	6793.1	6821.4	6884.7	6879.7	6798.1	6558.3	6067.0	5334.2	5142.7
15°	6841.4	6893.0	7001.3	7147.8	7277.7	7319.4	7151.2	6658.2	5878.8	5634.0
17.5°	6786.5	6866.4	6996.3	7227.8	7512.6	7700.8	7682.4	7229.4	6373.4	6093.7
20°	6908.0	6984.6	7086.2	7281.1	7612.5	7953.9	8090.5	7775.7	6864.7	6571.6
22.5°	7580.8	7567.5	7577.5	7609.2	7807.3	8145.4	8426.9	8272.0	7351.0	7051.3
25°	8646.7	8586.7	8485.2	8313.6	8263.7	8426.9	8720.0	8711.6	7864.0	7542.5
27.5°	9869.1	9859.1	9620.9	9207.9	8974.8	8911.5	9051.4	9139.6	8371.9	8028.8
30°	11039.9	11066.5	10745.1	10285.4	9857.4	9609.3	9482.7	9546.0	8888.2	8553.4
32.5°	12059.1	12087.4	11737.7	11199.7	10670.1	10370.4	10103.9	9947.4	9451.1	9086.4
35°	12920.1	12948.4	12547.0	11952.5	11387.9	11116.5	10815.0	10387.0	10017.3	9677.6
37.5°	13689.5	13681.2	13143.2	12543.7	11989.1	11774.3	11616.1	10928.3	10600.2	10272.1
40°	14144.1	14179.1	13719.5	13058.3	12520.4	12363.8	12353.8	11599.4	11273.0	10954.9
42.5°	14277.4	14339.0	14005.9	13463.0	12975.0	12805.2	13066.6	12325.5	12055.7	11746.0
45°	14037.6	14097.5	13946.0	13569.6	13284.8	13174.9	13679.5	13078.3	12891.8	12585.3
47.5°	13338.1	13413.0	13449.7	13369.7	13366.4	13478.0	14229.1	13871.0	13884.3	13571.2
50°	11984.1	12110.7	12447.1	12730.2	13168.2	13717.8	14763.7	14730.4	15003.5	14733.7
52.5°	9522.7	9702.5	10861.7	11636.1	12620.3	13672.8	15351.5	16109.3	16967.0	16572.3
55°	7652.5	7652.5	8595.1	10044.0	11551.1	13376.4	15608.0	17005.3	18304.3	18211.0
57.5°	6238.5	6313.5	6914.7	8195.4	10004.0	12670.3	15766.2	17568.2	19381.8	19313.5
60°	3850.4	4011.9	5147.7	6411.7	8243.7	11412.9	15666.3	18137.7	20689.1	20744.1
62.5°	2168.3	2228.3	2734.6	4613.1	6410.1	9722.5	14901.9	18455.8	22361.2	22594.3
65°	1497.2	1527.2	1722.0	2871.1	4443.3	7740.7	13408.0	18257.6	24036.5	24507.8
67.5°	1087.5	1102.5	1224.1	1753.7	2636.3	5612.4	11066.5	17258.4	24924.2	25711.9
70°	836.0	846.0	934.3	1152.4	1557.1	3464.0	8037.2	15271.6	24281.4	25222.3
72.5°	679.5	689.5	757.8	852.7	1032.5	2048.4	4871.3	12402.1	21443.5	22459.4
75°	572.9	586.2	647.8	709.5	809.4	1315.7	2284.9	8636.7	16125.9	16792.1
77.5°	318.1	293.1	526.3	587.9	682.8	832.7	1069.2	5082.8	9031.4	9216.3
80°	198.2	204.8	418.0	473.0	524.6	419.7	489.6	1956.8	3130.9	2974.4
82.5°	11.7	26.6	321.4	341.4	359.7	179.9	184.9	664.5	754.4	692.8
85°	0.0	0.0	146.6	118.2	124.9	51.6	53.3	154.9	101.6	109.9
87.5°	0.0	0.0	0.0	3.3	0.0	5.0	10.0	13.3	5.0	6.7
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°
3092.6	0°	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6	3092.6
3250.8	2.5°	3134.3	3017.7	2781.2	2549.7	2361.5	2186.7	2061.7	1943.5	1883.6	1880.2
3460.7	5°	3229.2	2984.4	2511.4	2093.4	1757.0	1487.2	1312.3	1187.4	1124.1	1102.5
3718.8	7.5°	3362.4	2994.4	2274.9	1693.7	1297.3	1065.8	965.9	926.0	912.6	897.6
4010.3	10°	3530.6	3017.7	2063.4	1364.0	1022.5	906.0	866.0	849.3	839.4	829.4
4338.3	12.5°	3718.8	3039.3	1853.6	1132.5	899.3	839.4	811.0	791.1	777.7	766.1
4674.7	15°	3902.0	3052.7	1635.4	970.9	836.0	787.7	757.8	736.1	717.8	704.5
5004.5	17.5°	4083.5	3071.0	1430.6	874.3	784.4	736.1	706.1	679.5	664.5	649.5
5350.9	20°	4285.0	3067.6	1237.4	806.0	732.8	684.5	652.8	627.9	612.9	596.2
5717.3	22.5°	4471.6	3051.0	1067.5	747.8	679.5	632.8	597.9	572.9	557.9	544.6
6092.0	25°	4686.4	3037.7	926.0	694.5	629.5	582.9	544.6	521.3	504.6	493.0
6468.4	27.5°	4892.9	3017.7	822.7	646.2	581.2	536.3	499.6	473.0	458.0	449.7
6856.4	30°	5096.1	3012.7	784.4	599.5	537.9	493.0	456.3	431.3	419.7	416.3
7282.7	32.5°	5340.9	3026.0	801.1	582.9	498.0	453.0	418.0	399.7	388.0	388.0
7757.4	35°	5602.4	3022.7	826.0	597.9	471.3	413.0	386.4	374.7	363.1	363.1
8283.6	37.5°	5930.4	3027.7	846.0	622.9	461.3	379.7	364.7	349.7	343.1	343.1
8859.9	40°	6420.1	3192.5	836.0	644.5	458.0	356.4	326.4	321.4	316.4	316.4
9511.0	42.5°	7019.6	3550.6	849.3	646.2	456.3	339.7	299.8	309.8	298.1	296.4
10245.5	45°	7675.8	3942.0	934.3	611.2	454.7	331.4	286.4	298.1	279.8	279.8
11096.5	47.5°	8326.9	4330.0	1020.9	561.2	449.7	329.7	274.8	268.1	263.1	264.8
12205.6	50°	9224.6	4646.4	1054.2	493.0	438.0	326.4	253.1	254.8	251.5	254.8
13769.4	52.5°	10202.2	4713.0	1014.2	416.3	404.7	316.4	238.2	244.8	243.1	246.5
14870.2	55°	10811.7	4641.4	837.7	346.4	353.1	276.5	223.2	236.5	236.5	236.5
15946.1	57.5°	11441.2	4336.7	594.5	281.5	293.1	226.5	209.8	228.2	226.5	224.8
17241.8	60°	11894.2	3843.7	391.4	231.5	233.2	186.5	194.9	214.8	213.2	204.8
18577.4	62.5°	12232.3	3299.1	251.5	196.5	178.2	168.2	178.2	194.9	188.2	169.9
19709.9	65°	12194.0	2544.7	193.2	168.2	146.6	146.6	154.9	169.9	149.9	119.9
19926.4	67.5°	11482.8	1722.0	159.9	141.6	123.2	121.6	128.2	141.6	128.2	101.6
18817.2	70°	10212.2	1125.8	128.2	109.9	98.3	89.9	103.3	121.6	108.3	81.6
16019.4	72.5°	8288.6	686.1	96.6	79.9	71.6	58.3	81.6	99.9	86.6	60.0
11139.8	75°	5362.5	349.7	66.6	51.6	38.3	35.0	60.0	74.9	60.0	36.6
4942.9	77.5°	2051.8	146.6	36.6	23.3	20.0	16.7	33.3	45.0	25.0	8.3
957.6	80°	394.7	61.6	18.3	11.7	10.0	6.7	5.0	3.3	0.0	0.0
169.9	82.5°	68.3	20.0	6.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0
33.3	85°	23.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.7	87.5°	8.3	0.0	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>
3092.6
1876.9
1099.2
894.3
826.0
762.7
702.8
647.8
594.5
542.9
491.3
449.7
414.7
388.0
363.1
343.1
316.4
294.8
279.8
264.8
254.8
246.5
236.5
224.8
204.8
166.5
116.6
98.3
78.3
56.6
31.6
6.7
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