

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: P956582

Luminaire Tested: **GALN-SB9A-940-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956582
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-SB9A-940-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA 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: 25068 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

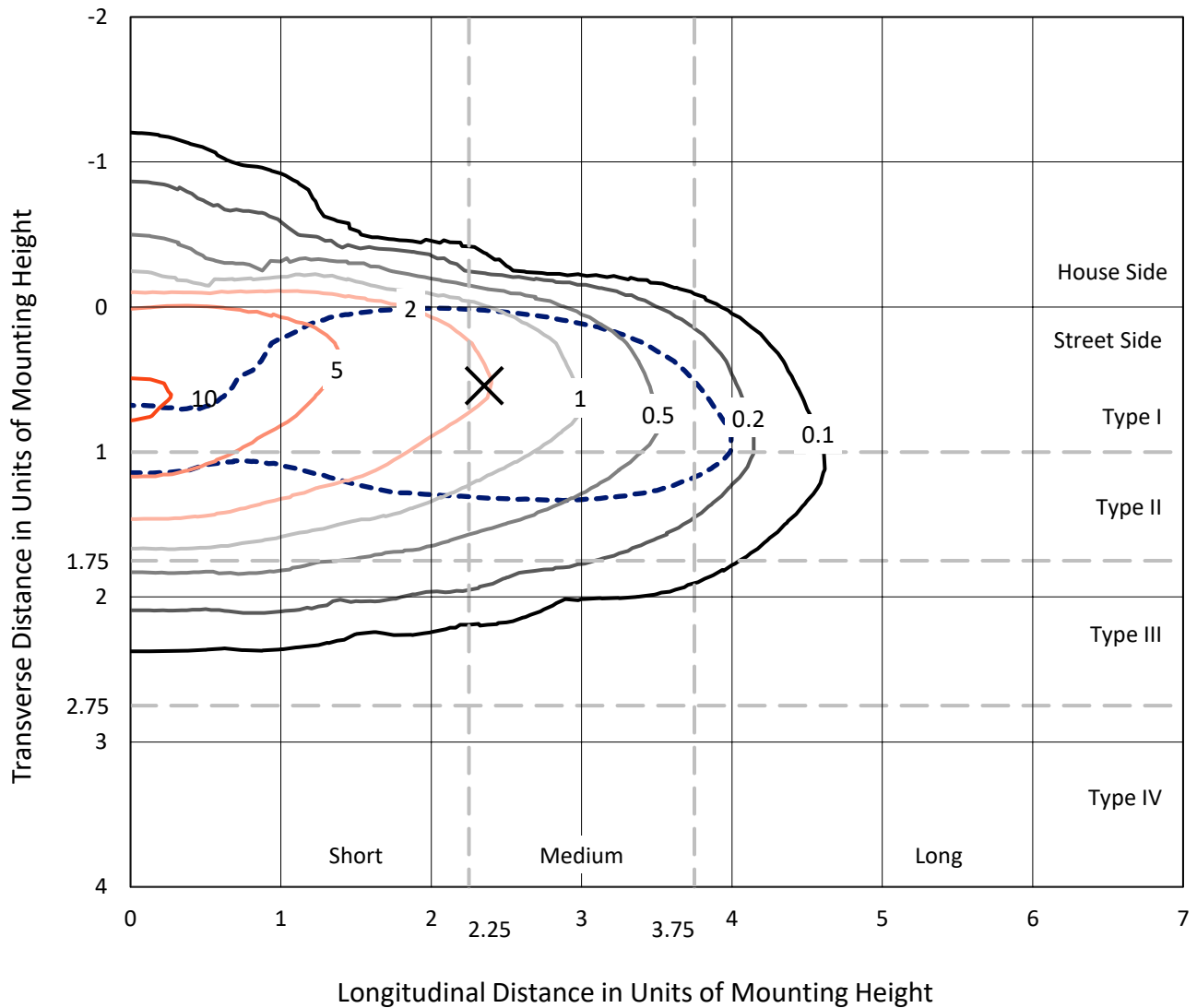
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

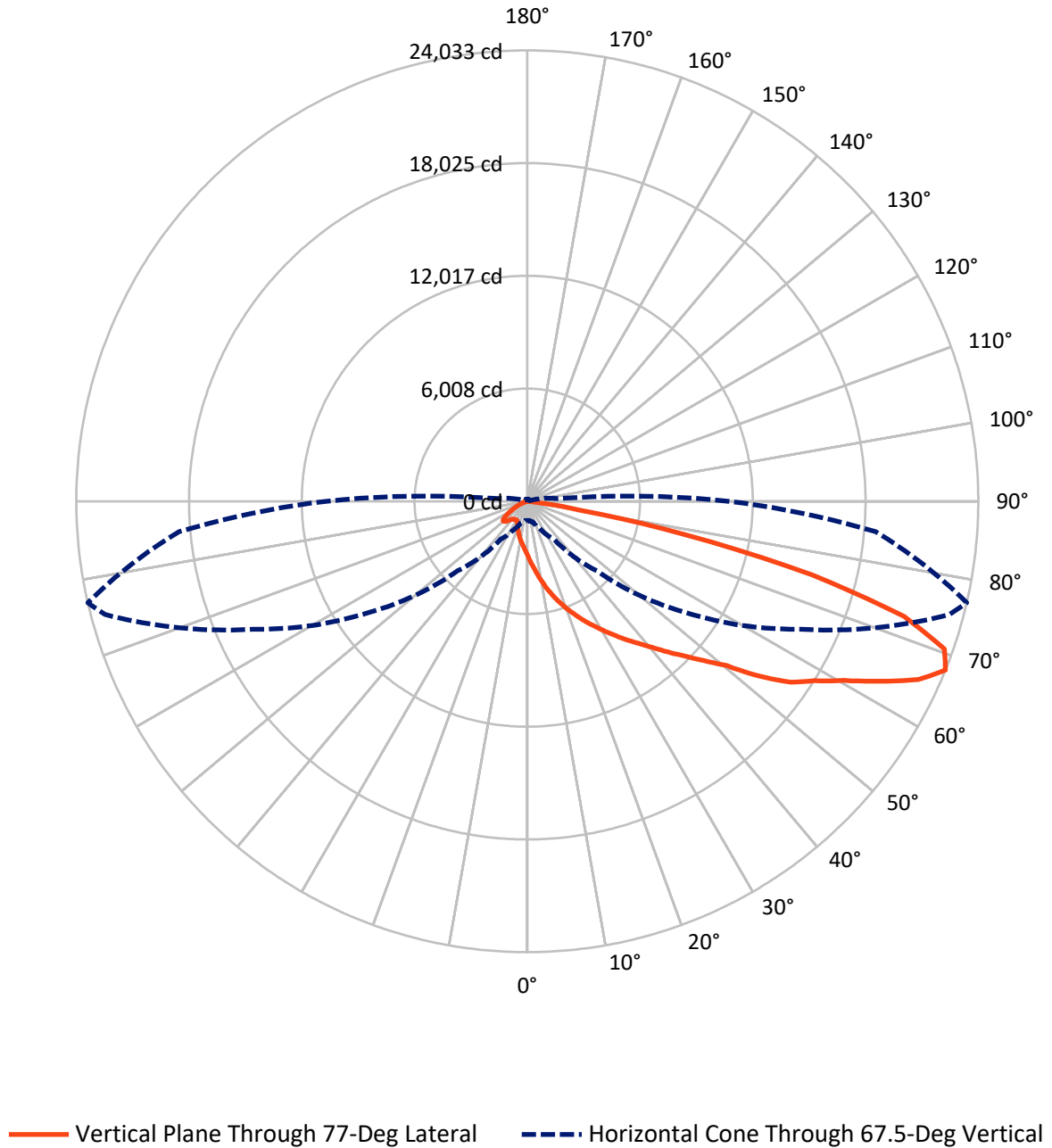
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	1844.3	0.0	1844.3
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	23223.7	0.0	23223.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	25068.0	0.0	25068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.0	1.2
10°-20°	1033.2	4.1
20°-30°	1993.8	8.0
30°-40°	3461.4	13.8
40°-50°	5025.7	20.0
50°-60°	5771.4	23.0
60°-70°	5010.7	20.0
70°-80°	2360.1	9.4
80°-90°	116.7	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°	25068.0	100.0
0°-180°	25068.0	100.0

Coefficient of Utilization



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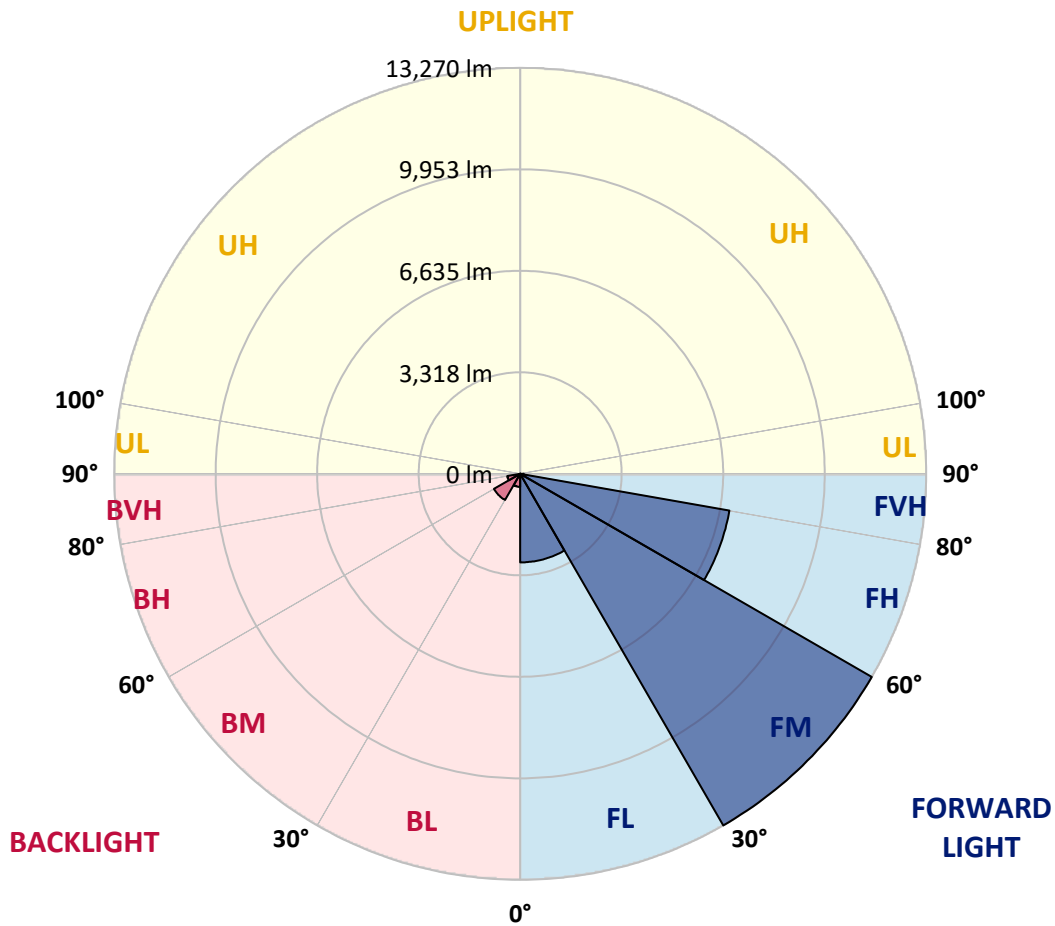
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2895.1	11.5			
FM (30°-60°)	13270.3	52.9			
FH (60°-80°)	6943.8	27.7			G3/7500
FVH (80°-90°)	114.6	0.5			G2/225
BL (0°-30°)	427.0	1.7	B1/500		
BM (30°-60°)	988.2	3.9	B1/1000		
BH (60°-80°)	427.0	1.7	B1/500		G1/500
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7
2.5°	4002.2	4027.1	3991.3	3922.8	3820.0	3753.1	3589.6	3435.5	3264.3	3209.8
5°	4878.6	4900.4	4859.9	4785.2	4648.2	4517.4	4302.6	3980.4	3645.7	3538.3
7.5°	5527.7	5540.1	5524.6	5456.1	5325.3	5177.4	4937.7	4556.3	4059.8	3941.5
10°	5994.7	6035.2	6030.5	6004.0	5916.8	5797.0	5541.7	5107.4	4523.6	4371.1
12.5°	6304.5	6349.6	6376.1	6435.2	6430.5	6354.3	6130.1	5670.9	4986.0	4807.0
15°	6394.7	6443.0	6544.2	6681.2	6802.6	6841.5	6684.3	6223.5	5495.0	5266.2
17.5°	6343.4	6418.1	6539.5	6755.9	7022.1	7198.0	7180.9	6757.4	5957.3	5695.8
20°	6457.0	6528.6	6623.6	6805.7	7115.5	7434.6	7562.2	7268.0	6416.5	6142.6
22.5°	7085.9	7073.4	7082.8	7112.4	7297.6	7613.6	7876.7	7731.9	6871.1	6590.9
25°	8082.2	8026.1	7931.2	7770.8	7724.1	7876.7	8150.6	8142.9	7350.5	7050.1
27.5°	9224.7	9215.4	8992.8	8606.7	8388.8	8329.7	8460.4	8542.9	7825.3	7504.6
30°	10319.1	10344.0	10043.5	9613.9	9213.8	8981.9	8863.6	8922.7	8307.9	7995.0
32.5°	11271.7	11298.2	10971.3	10468.5	9973.5	9693.3	9444.2	9297.9	8834.0	8493.1
35°	12076.5	12103.0	11727.8	11172.1	10644.4	10390.7	10108.9	9708.9	9363.3	9045.7
37.5°	12795.7	12787.9	12285.1	11724.7	11206.4	11005.6	10857.7	10214.8	9908.1	9601.4
40°	13220.7	13253.4	12823.7	12205.7	11702.9	11556.6	11547.3	10842.1	10537.0	10239.7
42.5°	13345.2	13402.8	13091.5	12584.0	12127.9	11969.1	12213.5	11520.8	11268.6	10979.1
45°	13121.0	13177.1	13035.4	12683.6	12417.4	12314.7	12786.4	12224.4	12050.1	11763.6
47.5°	12467.3	12537.3	12571.5	12496.8	12493.7	12598.0	13300.1	12965.4	12977.8	12685.2
50°	11201.7	11320.0	11634.4	11899.1	12308.5	12822.2	13799.7	13768.6	14023.9	13771.7
52.5°	8901.0	9069.1	10152.5	10876.4	11796.3	12780.1	14349.2	15057.5	15859.2	15490.3
55°	7152.8	7152.8	8033.9	9388.2	10797.0	12503.1	14589.0	15895.0	17109.2	17022.0
57.5°	5831.2	5901.3	6463.2	7660.3	9350.8	11843.0	14736.9	16421.2	18116.4	18052.5
60°	3599.0	3750.0	4811.6	5993.1	7705.4	10667.8	14643.5	16953.5	19338.3	19389.7
62.5°	2026.8	2082.8	2556.0	4311.9	5991.6	9087.8	13929.0	17250.9	20901.2	21119.1
65°	1399.4	1427.5	1609.6	2683.7	4153.2	7235.3	12532.6	17065.6	22467.2	22907.7
67.5°	1016.5	1030.5	1144.1	1639.2	2464.2	5245.9	10344.0	16131.6	23296.9	24033.2
70°	781.4	790.8	873.3	1077.2	1455.5	3237.8	7512.4	14274.5	22696.0	23575.5
72.5°	635.1	644.5	708.3	797.0	965.1	1914.7	4553.2	11592.4	20043.5	20993.1
75°	535.5	547.9	605.5	663.1	756.5	1229.8	2135.7	8072.8	15073.1	15695.8
77.5°	297.3	274.0	491.9	549.5	638.2	778.3	999.4	4750.9	8441.7	8614.5
80°	185.2	191.5	390.7	442.1	490.3	392.3	457.7	1829.1	2926.5	2780.2
82.5°	10.9	24.9	300.4	319.1	336.2	168.1	172.8	621.1	705.2	647.6
85°	0.0	0.0	137.0	110.5	116.7	48.3	49.8	144.8	95.0	102.7
87.5°	0.0	0.0	0.0	3.1	0.0	4.7	9.3	12.5	4.7	6.2
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°
2890.7	0°	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7
3038.6	2.5°	2929.6	2820.7	2599.6	2383.2	2207.3	2043.9	1927.1	1816.6	1760.6	1757.5
3234.7	5°	3018.4	2789.5	2347.4	1956.7	1642.3	1390.1	1226.6	1109.9	1050.7	1030.5
3476.0	7.5°	3142.9	2798.9	2126.4	1583.1	1212.6	996.3	902.9	865.5	853.0	839.0
3748.4	10°	3300.1	2820.7	1928.7	1274.9	955.8	846.8	809.5	793.9	784.6	775.2
4055.1	12.5°	3476.0	2840.9	1732.6	1058.5	840.6	784.6	758.1	739.4	727.0	716.1
4369.5	15°	3647.2	2853.3	1528.6	907.5	781.4	736.3	708.3	688.0	670.9	658.5
4677.7	17.5°	3816.9	2870.5	1337.2	817.2	733.2	688.0	660.0	635.1	621.1	607.1
5001.5	20°	4005.3	2867.4	1156.6	753.4	684.9	639.8	610.2	586.9	572.8	557.3
5344.0	22.5°	4179.6	2851.8	997.8	698.9	635.1	591.5	558.8	535.5	521.5	509.0
5694.2	25°	4380.4	2839.3	865.5	649.1	588.4	544.8	509.0	487.2	471.7	460.8
6046.0	27.5°	4573.5	2820.7	769.0	604.0	543.3	501.2	467.0	442.1	428.1	420.3
6408.7	30°	4763.4	2816.0	733.2	560.4	502.8	460.8	426.5	403.2	392.3	389.2
6807.3	32.5°	4992.2	2828.4	748.8	544.8	465.4	423.4	390.7	373.6	362.7	362.7
7250.9	35°	5236.6	2825.3	772.1	558.8	440.5	386.1	361.1	350.2	339.4	339.4
7742.8	37.5°	5543.2	2830.0	790.8	582.2	431.2	354.9	340.9	326.9	320.7	320.7
8281.4	40°	6000.9	2984.1	781.4	602.4	428.1	333.1	305.1	300.4	295.8	295.8
8890.1	42.5°	6561.3	3318.8	793.9	604.0	426.5	317.6	280.2	289.5	278.6	277.1
9576.5	45°	7174.6	3684.6	873.3	571.3	425.0	309.8	267.7	278.6	261.5	261.5
10372.0	47.5°	7783.3	4047.3	954.2	524.6	420.3	308.2	256.8	250.6	246.0	247.5
11408.7	50°	8622.3	4343.1	985.4	460.8	409.4	305.1	236.6	238.2	235.1	238.2
12870.4	52.5°	9536.1	4405.3	948.0	389.2	378.3	295.8	222.6	228.8	227.3	230.4
13899.4	55°	10105.8	4338.4	783.0	323.8	330.0	258.4	208.6	221.0	221.0	221.0
14905.0	57.5°	10694.2	4053.5	555.7	263.1	274.0	211.7	196.1	213.3	211.7	210.1
16116.1	60°	11117.6	3592.8	365.8	216.4	217.9	174.3	182.1	200.8	199.3	191.5
17364.5	62.5°	11433.6	3083.7	235.1	183.7	166.6	157.2	166.6	182.1	175.9	158.8
18423.0	65°	11397.8	2378.6	180.6	157.2	137.0	137.0	144.8	158.8	140.1	112.1
18625.4	67.5°	10733.1	1609.6	149.4	132.3	115.2	113.6	119.9	132.3	119.9	95.0
17588.6	70°	9545.4	1052.3	119.9	102.7	91.8	84.1	96.5	113.6	101.2	76.3
14973.5	72.5°	7747.5	641.3	90.3	74.7	66.9	54.5	76.3	93.4	80.9	56.0
10412.5	75°	5012.4	326.9	62.3	48.3	35.8	32.7	56.0	70.0	56.0	34.2
4620.2	77.5°	1917.8	137.0	34.2	21.8	18.7	15.6	31.1	42.0	23.3	7.8
895.1	80°	368.9	57.6	17.1	10.9	9.3	6.2	4.7	3.1	0.0	0.0
158.8	82.5°	63.8	18.7	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0
31.1	85°	21.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.9	87.5°	7.8	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

180°
2890.7
1754.4
1027.4
835.9
772.1
712.9
656.9
605.5
555.7
507.5
459.2
420.3
387.6
362.7
339.4
320.7
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261.5
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238.2
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