

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: P952172

Luminaire Tested: **GALN-SB6A-835-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952172
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-SB6A-835-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 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: 21362 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

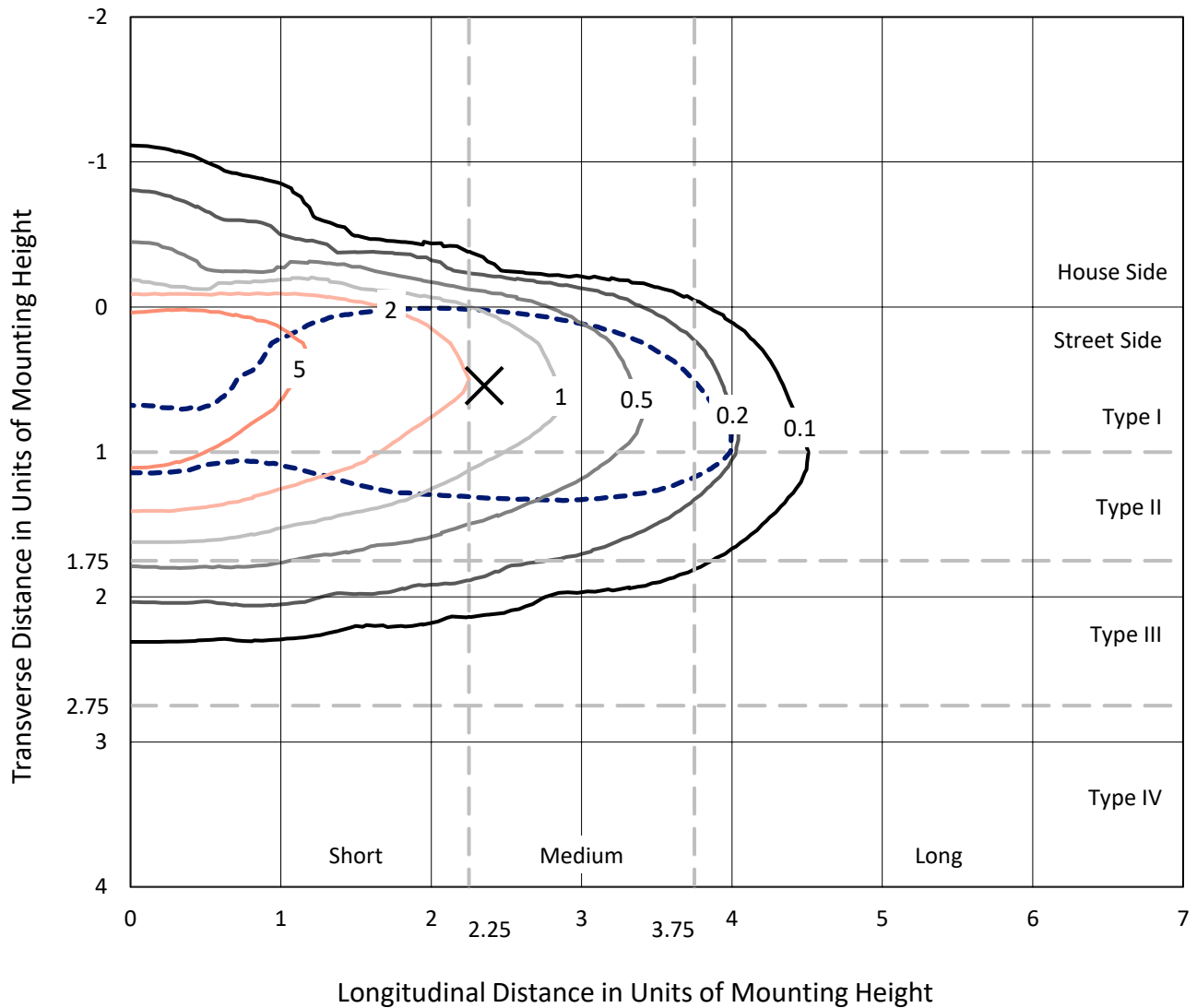
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952172
 CATALOG NUMBER: GALN-SB6A-835-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

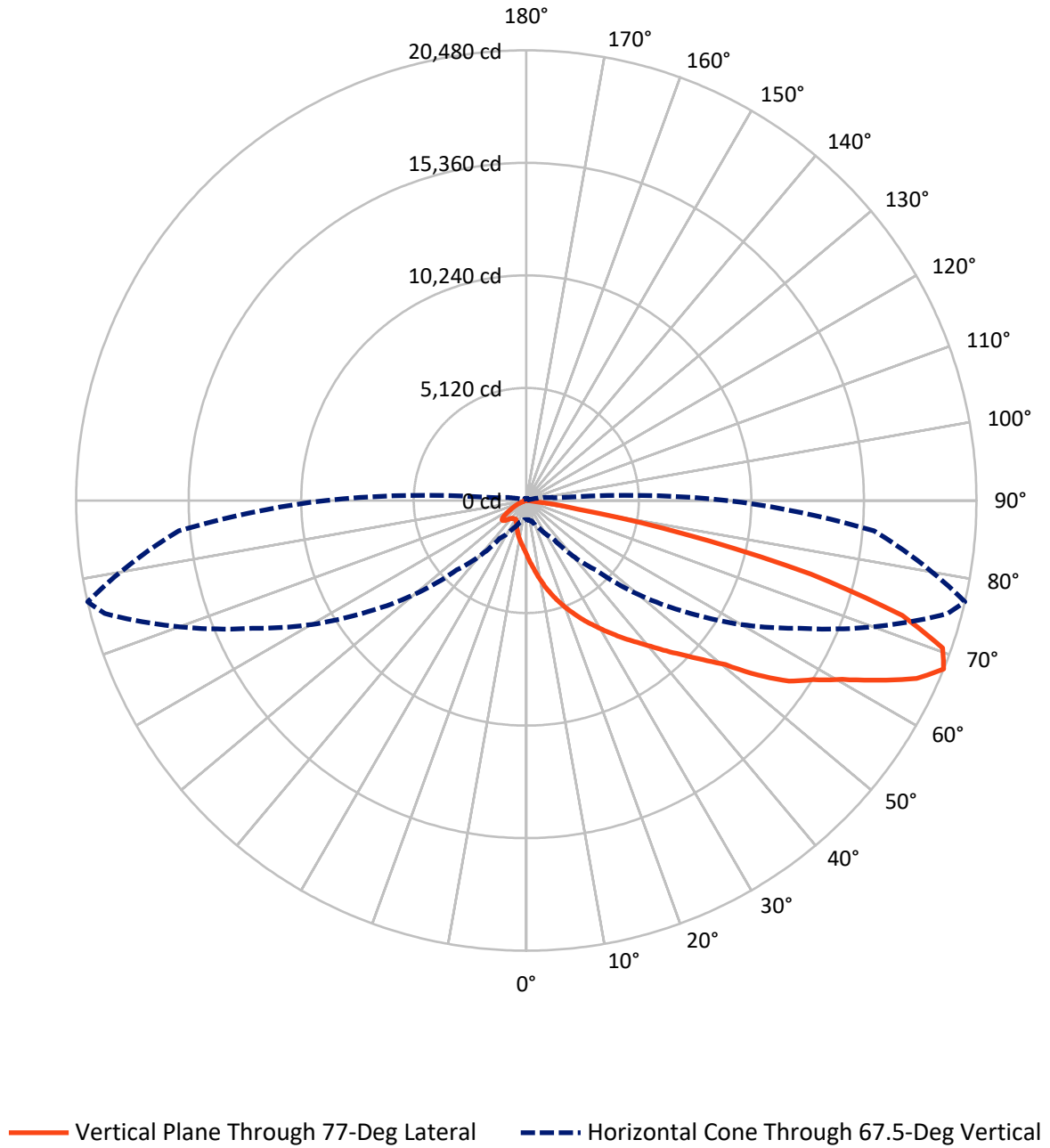
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P952172
CATALOG NUMBER: GALN-SB6A-835-U-T2R-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.6	0.0	1571.6
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	19790.4	0.0	19790.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	21362.0	0.0	21362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	1.2
10°-20°	880.5	4.1
20°-30°	1699.1	8.0
30°-40°	2949.6	13.8
40°-50°	4282.7	20.0
50°-60°	4918.2	23.0
60°-70°	4269.9	20.0
70°-80°	2011.2	9.4
80°-90°	99.5	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°	21362.0	100.0
0°-180°	21362.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952172

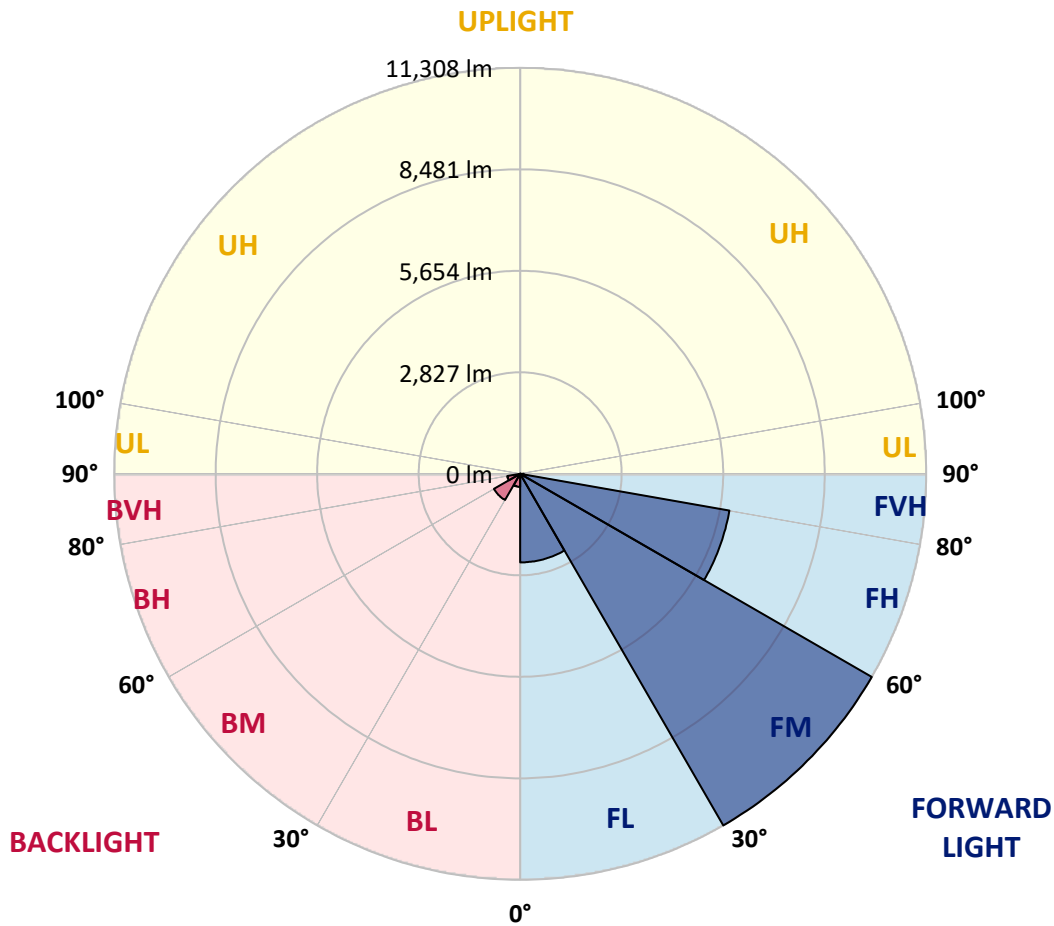
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2467.1	11.5			
FM (30°-60°)	11308.5	52.9			
FH (60°-80°)	5917.2	27.7			G3/7500
FVH (80°-90°)	97.6	0.5			G1/100
BL (0°-30°)	363.9	1.7	B1/500		
BM (30°-60°)	842.1	3.9	B1/1000		
BH (60°-80°)	363.8	1.7	B1/500		G1/500
BVH (80°-90°)	1.8	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



REPORT NUMBER: P952172
 CATALOG NUMBER: GALN-SB6A-835-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4
2.5°	3410.5	3431.7	3401.2	3342.8	3255.3	3198.2	3059.0	2927.6	2781.7	2735.3
5°	4157.3	4175.9	4141.4	4077.7	3961.0	3849.6	3666.5	3391.9	3106.7	3015.2
7.5°	4710.5	4721.1	4707.8	4649.5	4538.0	4412.0	4207.7	3882.7	3459.6	3358.8
10°	5108.4	5142.9	5138.9	5116.4	5042.1	4940.0	4722.4	4352.3	3854.9	3724.9
12.5°	5372.4	5410.9	5433.4	5483.8	5479.9	5414.9	5223.8	4832.5	4248.9	4096.3
15°	5449.4	5490.5	5576.7	5693.4	5796.9	5830.1	5696.1	5303.4	4682.6	4487.6
17.5°	5405.6	5469.3	5572.7	5757.1	5983.9	6133.8	6119.2	5758.4	5076.6	4853.7
20°	5502.4	5563.4	5644.4	5799.6	6063.5	6335.5	6444.2	6193.5	5467.9	5234.5
22.5°	6038.3	6027.7	6035.7	6060.9	6218.7	6488.0	6712.2	6588.8	5855.3	5616.5
25°	6887.3	6839.6	6758.6	6622.0	6582.2	6712.2	6945.7	6939.0	6263.8	6007.8
27.5°	7861.0	7853.0	7663.3	7334.3	7148.6	7098.2	7209.7	7280.0	6668.4	6395.2
30°	8793.5	8814.7	8558.7	8192.6	7851.7	7654.0	7553.2	7603.6	7079.7	6813.0
32.5°	9605.4	9627.9	9349.3	8920.9	8499.0	8260.3	8048.0	7923.3	7528.0	7237.5
35°	10291.2	10313.7	9994.0	9520.5	9070.8	8854.5	8614.4	8273.5	7979.0	7708.4
37.5°	10904.0	10897.4	10468.9	9991.4	9549.6	9378.5	9252.5	8704.6	8443.3	8182.0
40°	11266.2	11294.0	10927.9	10401.3	9972.8	9848.1	9840.1	9239.2	8979.2	8725.9
42.5°	11372.3	11421.4	11156.1	10723.6	10334.9	10199.6	10407.9	9817.6	9602.7	9356.0
45°	11181.3	11229.0	11108.3	10808.5	10581.7	10494.1	10896.1	10417.2	10268.6	10024.5
47.5°	10624.1	10683.8	10713.0	10649.3	10646.7	10735.5	11333.8	11048.6	11059.2	10809.8
50°	9545.7	9646.5	9914.4	10139.9	10488.8	10926.6	11759.6	11733.1	11950.6	11735.7
52.5°	7585.1	7728.3	8651.6	9268.4	10052.4	10890.8	12227.9	12831.5	13514.6	13200.2
55°	6095.4	6095.4	6846.2	8000.3	9200.8	10654.6	12432.2	13545.1	14579.8	14505.5
57.5°	4969.2	5028.8	5507.7	6527.8	7968.4	10092.2	12558.2	13993.5	15438.1	15383.7
60°	3066.9	3195.6	4100.3	5107.1	6566.3	9090.7	12478.6	14447.2	16479.4	16523.2
62.5°	1727.1	1774.9	2178.2	3674.5	5105.8	7744.2	11869.7	14700.5	17811.2	17996.9
65°	1192.5	1216.4	1371.6	2286.9	3539.2	6165.7	10679.8	14542.7	19145.7	19521.1
67.5°	866.2	878.2	975.0	1396.8	2099.9	4470.4	8814.7	13746.8	19852.7	20480.2
70°	665.9	673.9	744.2	918.0	1240.3	2759.2	6401.8	12164.2	19340.7	20090.2
72.5°	541.2	549.2	603.6	679.2	822.4	1631.6	3880.1	9878.6	17080.3	17889.5
75°	456.3	466.9	516.0	565.1	644.7	1048.0	1820.0	6879.3	12844.7	13375.3
77.5°	253.4	233.5	419.2	468.3	543.9	663.3	851.6	4048.5	7193.7	7341.0
80°	157.9	163.2	333.0	376.7	417.9	334.3	390.0	1558.7	2493.9	2369.2
82.5°	9.3	21.2	256.0	271.9	286.5	143.3	147.2	529.3	600.9	551.8
85°	0.0	0.0	116.7	94.2	99.5	41.1	42.4	123.4	80.9	87.6
87.5°	0.0	0.0	0.0	2.7	0.0	4.0	8.0	10.6	4.0	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952172
 CATALOG NUMBER: GALN-SB6A-835-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2463.4	0°	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4
2589.4	2.5°	2496.5	2403.7	2215.3	2030.9	1881.0	1741.7	1642.2	1548.1	1500.3	1497.6
2756.5	5°	2572.1	2377.1	2000.4	1667.4	1399.5	1184.6	1045.3	945.8	895.4	878.2
2962.1	7.5°	2678.2	2385.1	1812.0	1349.1	1033.4	849.0	769.4	737.5	726.9	715.0
3194.3	10°	2812.2	2403.7	1643.6	1086.4	814.5	721.6	689.8	676.5	668.6	660.6
3455.6	12.5°	2962.1	2420.9	1476.4	902.0	716.3	668.6	646.0	630.1	619.5	610.2
3723.5	15°	3108.0	2431.5	1302.6	773.4	665.9	627.4	603.6	586.3	571.7	561.1
3986.2	17.5°	3252.6	2446.1	1139.5	696.4	624.8	586.3	562.4	541.2	529.3	517.3
4262.1	20°	3413.1	2443.5	985.6	642.0	583.7	545.2	520.0	500.1	488.2	474.9
4554.0	22.5°	3561.7	2430.2	850.3	595.6	541.2	504.1	476.2	456.3	444.4	433.8
4852.4	25°	3732.8	2419.6	737.5	553.2	501.4	464.3	433.8	415.2	401.9	392.7
5152.2	27.5°	3897.3	2403.7	655.3	514.7	463.0	427.1	398.0	376.7	364.8	358.2
5461.3	30°	4059.2	2399.7	624.8	477.5	428.5	392.7	363.5	343.6	334.3	331.6
5800.9	32.5°	4254.2	2410.3	638.1	464.3	396.6	360.8	333.0	318.4	309.1	309.1
6178.9	35°	4462.4	2407.6	658.0	476.2	375.4	329.0	307.8	298.5	289.2	289.2
6598.1	37.5°	4723.7	2411.6	673.9	496.1	367.4	302.4	290.5	278.6	273.3	273.3
7057.1	40°	5113.7	2542.9	665.9	513.4	364.8	283.9	260.0	256.0	252.0	252.0
7575.8	42.5°	5591.3	2828.1	676.5	514.7	363.5	270.6	238.8	246.7	237.4	236.1
8160.8	45°	6113.9	3139.9	744.2	486.8	362.1	264.0	228.2	237.4	222.9	222.9
8838.6	47.5°	6632.6	3449.0	813.2	447.0	358.2	262.7	218.9	213.6	209.6	210.9
9722.1	50°	7347.6	3701.0	839.7	392.7	348.9	260.0	201.6	203.0	200.3	203.0
10967.7	52.5°	8126.3	3754.1	807.9	331.6	322.3	252.0	189.7	195.0	193.7	196.3
11844.5	55°	8611.8	3697.0	667.2	275.9	281.2	220.2	177.8	188.4	188.4	188.4
12701.5	57.5°	9113.2	3454.3	473.6	224.2	233.5	180.4	167.1	181.7	180.4	179.1
13733.5	60°	9474.0	3061.6	311.7	184.4	185.7	148.6	155.2	171.1	169.8	163.2
14797.4	62.5°	9743.3	2627.8	200.3	156.5	141.9	134.0	141.9	155.2	149.9	135.3
15699.4	65°	9712.8	2026.9	153.9	134.0	116.7	116.7	123.4	135.3	119.4	95.5
15871.8	67.5°	9146.4	1371.6	127.3	112.8	98.2	96.8	102.1	112.8	102.1	80.9
14988.4	70°	8134.2	896.7	102.1	87.6	78.3	71.6	82.2	96.8	86.2	65.0
12759.8	72.5°	6602.1	546.5	76.9	63.7	57.0	46.4	65.0	79.6	69.0	47.8
8873.1	75°	4271.4	278.6	53.1	41.1	30.5	27.9	47.8	59.7	47.8	29.2
3937.1	77.5°	1634.3	116.7	29.2	18.6	15.9	13.3	26.5	35.8	19.9	6.6
762.8	80°	314.4	49.1	14.6	9.3	8.0	5.3	4.0	2.7	0.0	0.0
135.3	82.5°	54.4	15.9	5.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
26.5	85°	18.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.3	87.5°	6.6	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°
2463.4
1495.0
875.5
712.3
658.0
607.5
559.8
516.0
473.6
432.4
391.3
358.2
330.3
309.1
289.2
273.3
252.0
234.8
222.9
210.9
203.0
196.3
188.4
179.1
163.2
132.7
92.9
78.3
62.3
45.1
25.2
5.3
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