

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: P952949

Luminaire Tested: **GALN-SB6C-927-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952949
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-SB6C-927-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA 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: 23405 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

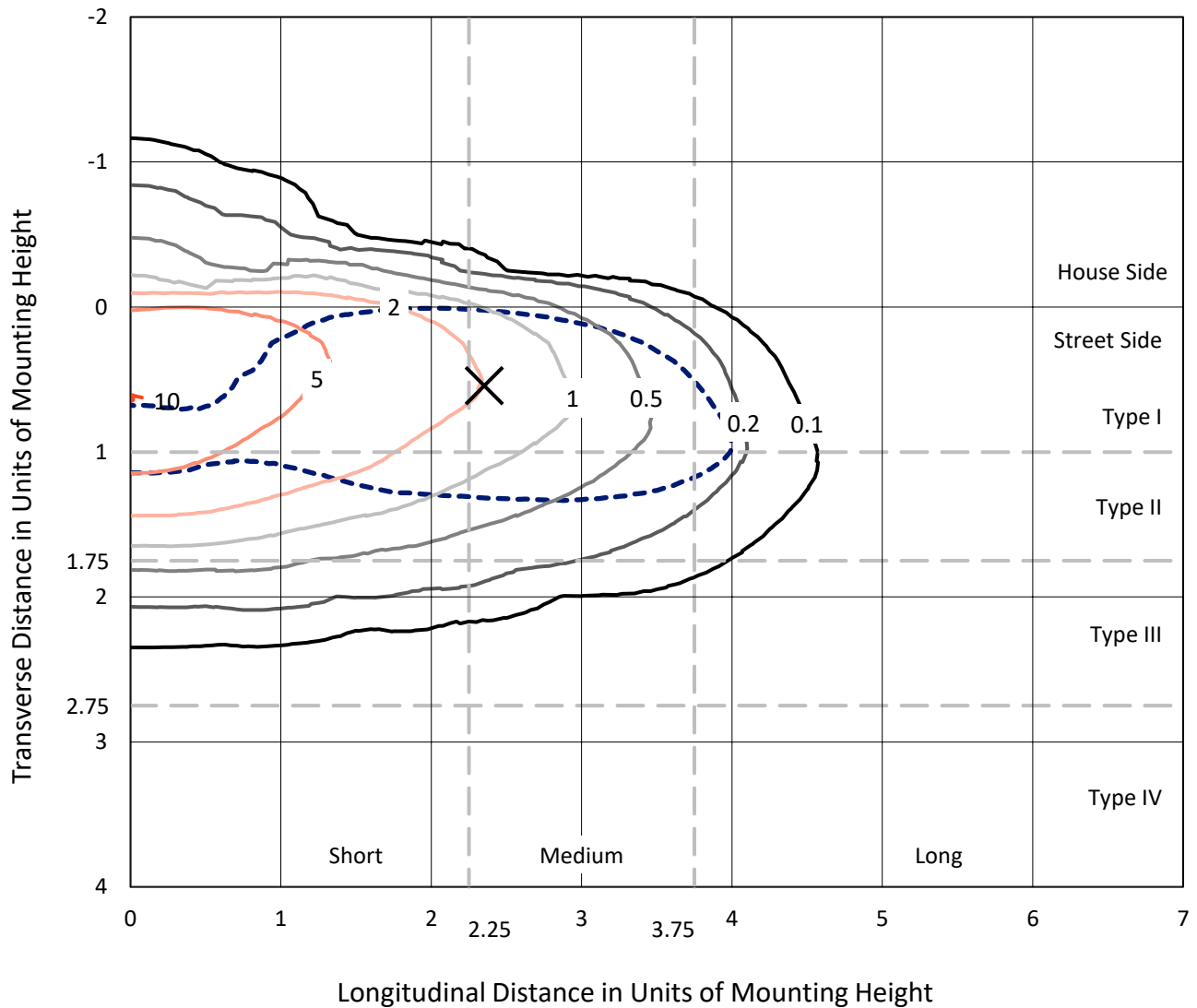
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

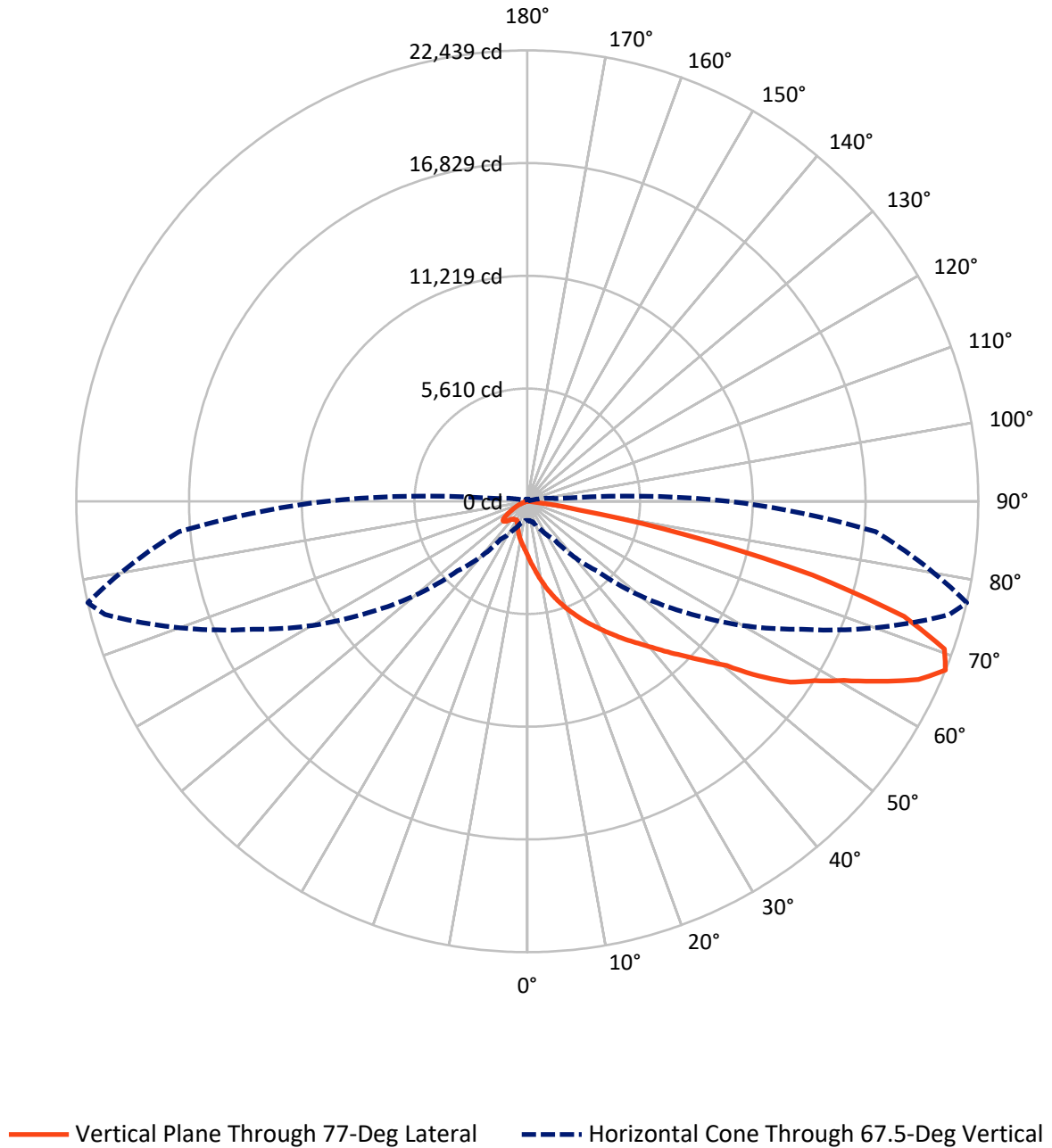
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	1721.9	0.0	1721.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	21683.1	0.0	21683.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	23405.0	0.0	23405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.5	1.2
10°-20°	964.7	4.1
20°-30°	1861.5	8.0
30°-40°	3231.7	13.8
40°-50°	4692.3	20.0
50°-60°	5388.5	23.0
60°-70°	4678.2	20.0
70°-80°	2203.5	9.4
80°-90°	109.0	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°	23405.0	100.0
0°-180°	23405.0	100.0

Coefficient of Utilization



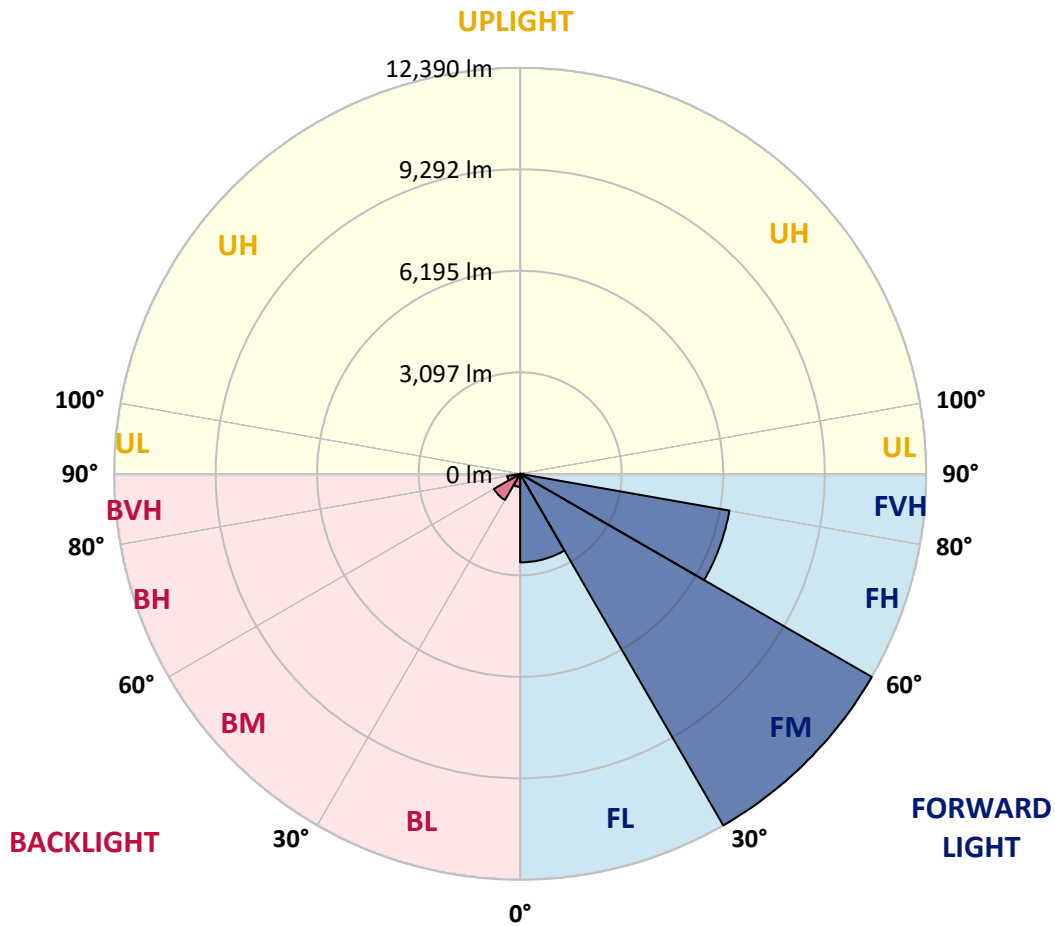
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2703.0	11.5			
FM (30°-60°)	12390.0	52.9			
FH (60°-80°)	6483.1	27.7			G3/7500
FVH (80°-90°)	107.0	0.5			G2/225
BL (0°-30°)	398.6	1.7	B1/500		
BM (30°-60°)	922.6	3.9	B1/1000		
BH (60°-80°)	398.6	1.7	B1/500		G1/500
BVH (80°-90°)	2.0	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°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	3736.7	3759.9	3726.5	3662.5	3566.6	3504.1	3351.5	3207.6	3047.8	2996.9
5°	4554.9	4575.3	4537.5	4467.7	4339.8	4217.7	4017.2	3716.3	3403.8	3303.5
7.5°	5161.0	5172.6	5158.1	5094.1	4972.0	4834.0	4610.1	4254.1	3790.4	3680.0
10°	5597.0	5634.8	5630.4	5605.7	5524.3	5412.4	5174.1	4768.6	4223.5	4081.1
12.5°	5886.2	5928.4	5953.1	6008.3	6003.9	5932.7	5723.4	5294.7	4655.2	4488.1
15°	5970.5	6015.6	6110.0	6237.9	6351.3	6387.6	6240.8	5810.6	5130.5	4916.8
17.5°	5922.6	5992.3	6105.7	6307.7	6556.2	6720.5	6704.5	6309.2	5562.1	5317.9
20°	6028.7	6095.5	6184.2	6354.2	6643.4	6941.4	7060.6	6785.9	5990.9	5735.1
22.5°	6615.8	6604.2	6612.9	6640.5	6813.5	7108.5	7354.1	7219.0	6415.3	6153.6
25°	7546.0	7493.7	7405.0	7255.3	7211.7	7354.1	7609.9	7602.7	6862.9	6582.4
27.5°	8612.8	8604.1	8396.2	8035.8	7832.3	7777.1	7899.2	7976.2	7306.2	7006.8
30°	9634.5	9657.8	9377.3	8976.1	8602.6	8386.0	8275.6	8330.8	7756.7	7464.6
32.5°	10524.0	10548.7	10243.5	9774.0	9311.9	9050.2	8817.7	8681.1	8248.0	7929.7
35°	11275.4	11300.1	10949.8	10431.0	9938.3	9701.4	9438.3	9064.8	8742.1	8445.6
37.5°	11946.8	11939.6	11470.1	10946.9	10462.9	10275.4	10137.4	9537.1	9250.8	8964.5
40°	12343.6	12374.1	11973.0	11396.0	10926.6	10789.9	10781.2	10122.8	9838.0	9560.4
42.5°	12459.9	12513.7	12223.0	11749.2	11323.3	11175.1	11403.3	10756.5	10521.1	10250.7
45°	12250.6	12302.9	12170.7	11842.2	11593.7	11497.7	11938.1	11413.5	11250.7	10983.2
47.5°	11640.2	11705.6	11737.6	11667.8	11664.9	11762.3	12417.7	12105.3	12116.9	11843.7
50°	10458.6	10569.0	10862.6	11109.7	11491.9	11971.6	12884.3	12855.2	13093.6	12858.1
52.5°	8310.5	8467.4	9479.0	10154.8	11013.8	11932.3	13397.3	14058.6	14807.1	14462.7
55°	6678.3	6678.3	7500.9	8765.4	10080.7	11673.6	13621.1	14840.5	15974.2	15892.8
57.5°	5444.4	5509.8	6034.5	7152.1	8730.5	11057.4	13759.2	15331.8	16914.5	16854.9
60°	3360.2	3501.2	4492.4	5595.5	7194.3	9960.1	13672.0	15828.8	18055.4	18103.4
62.5°	1892.3	1944.6	2386.5	4025.9	5594.1	8484.9	13004.9	16106.4	19514.6	19718.1
65°	1306.6	1332.8	1502.8	2505.6	3877.6	6755.3	11701.2	15933.5	20976.7	21388.1
67.5°	949.1	962.1	1068.2	1530.4	2300.7	4897.9	9657.8	15061.5	21751.4	22438.8
70°	729.6	738.3	815.4	1005.7	1358.9	3023.0	7014.0	13327.6	21190.4	22011.6
72.5°	593.0	601.7	661.3	744.1	901.1	1787.7	4251.2	10823.4	18713.8	19600.4
75°	500.0	511.6	565.4	619.1	706.3	1148.2	1994.0	7537.3	14073.2	14654.5
77.5°	277.6	255.8	459.3	513.0	595.9	726.7	933.1	4435.7	7881.7	8043.0
80°	173.0	178.8	364.8	412.8	457.8	366.3	427.3	1707.7	2732.4	2595.8
82.5°	10.2	23.3	280.5	297.9	313.9	157.0	161.3	579.9	658.4	604.6
85°	0.0	0.0	127.9	103.2	109.0	45.1	46.5	135.2	88.7	95.9
87.5°	0.0	0.0	0.0	2.9	0.0	4.4	8.7	11.6	4.4	5.8
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°
2698.9	0°	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9	2698.9
2837.0	2.5°	2735.3	2633.5	2427.2	2225.1	2060.9	1908.3	1799.3	1696.1	1643.8	1640.9
3020.1	5°	2818.1	2604.5	2191.7	1826.9	1533.3	1297.9	1145.3	1036.3	981.0	962.1
3245.4	7.5°	2934.4	2613.2	1985.3	1478.1	1132.2	930.2	843.0	808.1	796.5	783.4
3499.8	10°	3081.2	2633.5	1800.7	1190.3	892.4	790.6	755.8	741.2	732.5	723.8
3786.1	12.5°	3245.4	2652.4	1617.6	988.3	784.8	732.5	707.8	690.4	678.7	668.6
4079.7	15°	3405.3	2664.1	1427.2	847.3	729.6	687.5	661.3	642.4	626.4	614.8
4367.4	17.5°	3563.7	2680.0	1248.5	763.0	684.5	642.4	616.2	593.0	579.9	566.8
4669.7	20°	3739.6	2677.1	1079.9	703.4	639.5	597.3	569.7	547.9	534.8	520.3
4989.5	22.5°	3902.3	2662.6	931.6	652.6	593.0	552.3	521.8	500.0	486.9	475.3
5316.5	25°	4089.8	2651.0	808.1	606.1	549.4	508.7	475.3	454.9	440.4	430.2
5645.0	27.5°	4270.1	2633.5	718.0	563.9	507.2	468.0	436.0	412.8	399.7	392.4
5983.6	30°	4447.4	2629.2	684.5	523.2	469.4	430.2	398.2	376.4	366.3	363.3
6355.7	32.5°	4661.0	2640.8	699.1	508.7	434.6	395.3	364.8	348.8	338.6	338.6
6769.9	35°	4889.2	2637.9	720.9	521.8	411.3	360.4	337.2	327.0	316.8	316.8
7229.1	37.5°	5175.5	2642.3	738.3	543.6	402.6	331.4	318.3	305.2	299.4	299.4
7732.0	40°	5602.8	2786.1	729.6	562.5	399.7	311.0	284.9	280.5	276.1	276.1
8300.3	42.5°	6126.0	3098.6	741.2	563.9	398.2	296.5	261.6	270.3	260.2	258.7
8941.2	45°	6698.7	3440.2	815.4	533.4	396.8	289.2	250.0	260.2	244.2	244.2
9683.9	47.5°	7266.9	3778.8	890.9	489.8	392.4	287.8	239.8	234.0	229.6	231.1
10651.9	50°	8050.3	4055.0	920.0	430.2	382.2	284.9	220.9	222.4	219.5	222.4
12016.6	52.5°	8903.5	4113.1	885.1	363.3	353.2	276.1	207.8	213.6	212.2	215.1
12977.3	55°	9435.4	4050.6	731.1	302.3	308.1	241.3	194.8	206.4	206.4	206.4
13916.2	57.5°	9984.8	3784.6	518.9	245.6	255.8	197.7	183.1	199.1	197.7	196.2
15046.9	60°	10380.1	3354.4	341.5	202.0	203.5	162.8	170.0	187.5	186.0	178.8
16212.5	62.5°	10675.1	2879.2	219.5	171.5	155.5	146.8	155.5	170.0	164.2	148.2
17200.8	65°	10641.7	2220.8	168.6	146.8	127.9	127.9	135.2	148.2	130.8	104.6
17389.8	67.5°	10021.1	1502.8	139.5	123.5	107.6	106.1	111.9	123.5	111.9	88.7
16421.8	70°	8912.2	982.5	111.9	95.9	85.7	78.5	90.1	106.1	94.5	71.2
13980.1	72.5°	7233.5	598.8	84.3	69.8	62.5	50.9	71.2	87.2	75.6	52.3
9721.7	75°	4679.9	305.2	58.1	45.1	33.4	30.5	52.3	65.4	52.3	32.0
4313.7	77.5°	1790.6	127.9	32.0	20.3	17.4	14.5	29.1	39.2	21.8	7.3
835.7	80°	344.5	53.8	16.0	10.2	8.7	5.8	4.4	2.9	0.0	0.0
148.2	82.5°	59.6	17.4	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
29.1	85°	20.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.2	87.5°	7.3	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

180°
2698.9
1638.0
959.2
780.5
720.9
665.7
613.3
565.4
518.9
473.8
428.7
392.4
361.9
338.6
316.8
299.4
276.1
257.2
244.2
231.1
222.4
215.1
206.4
196.2
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145.3
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