

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: P952955

Luminaire Tested: **GALN-SB6C-927-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952955
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-SB6C-927-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 21293 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

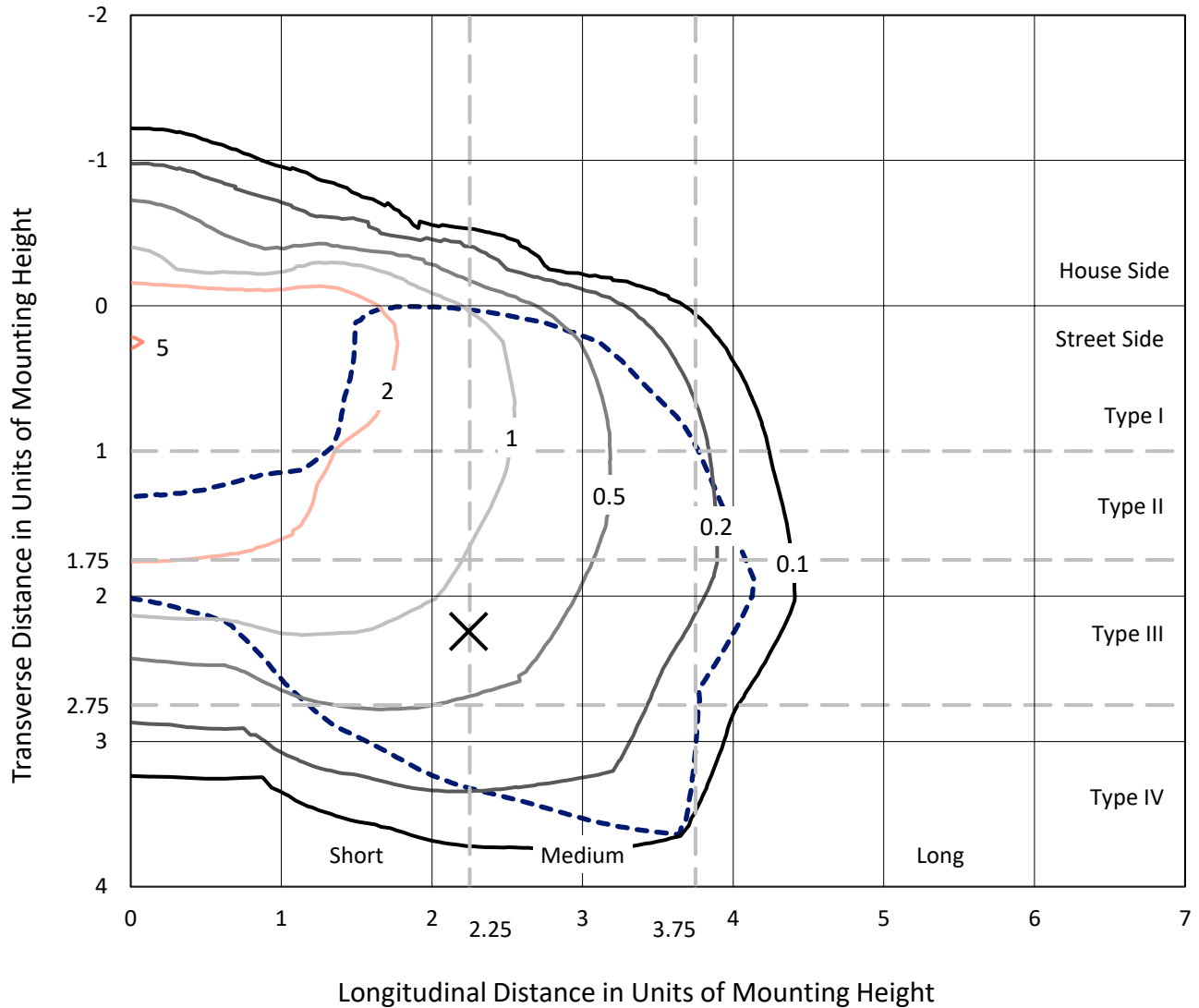
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

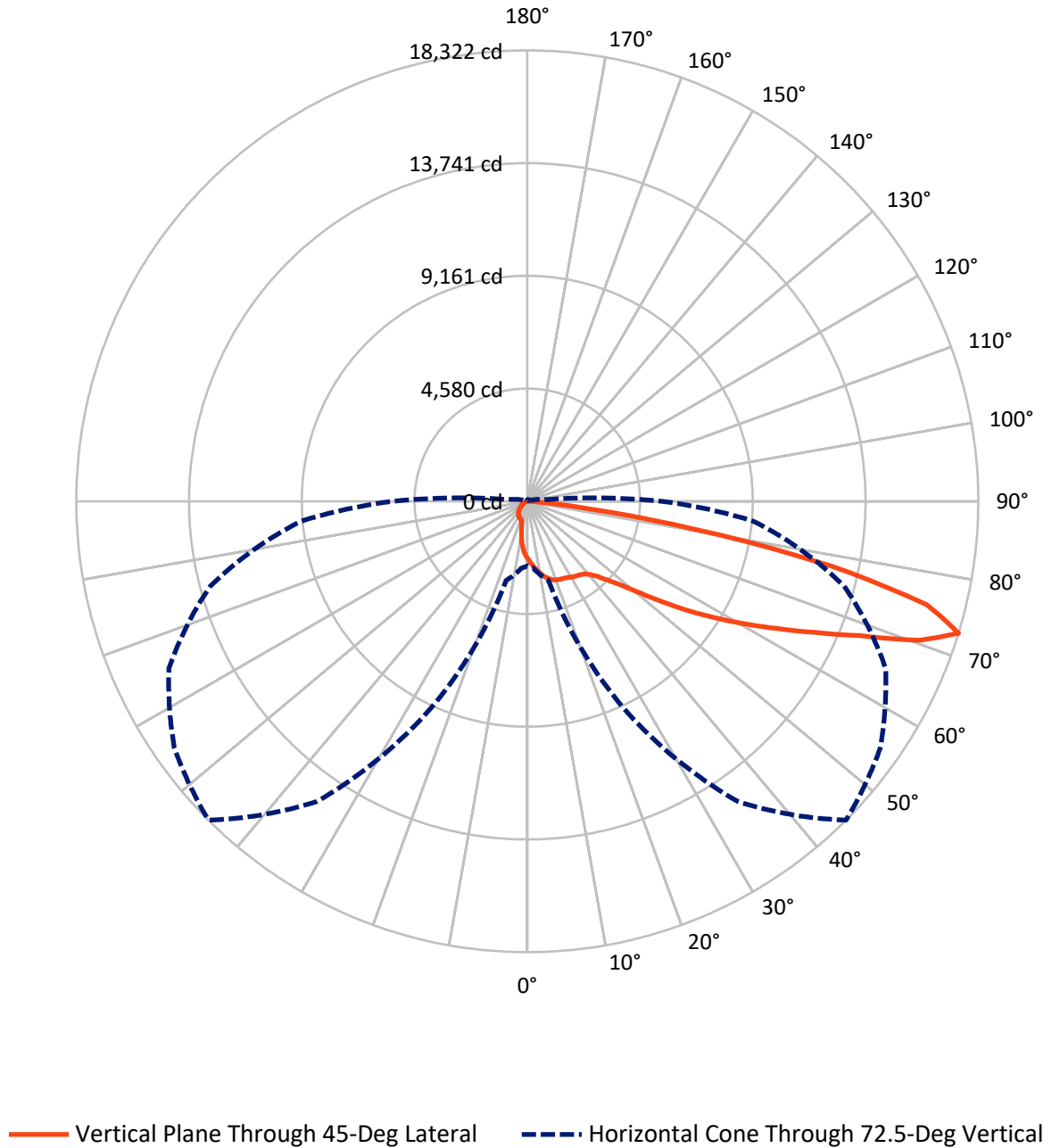
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2237.3	0.0	2237.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	19055.7	0.0	19055.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	21293.0	0.0	21293.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.8	1.0
10°-20°	642.3	3.0
20°-30°	1054.8	5.0
30°-40°	1496.0	7.0
40°-50°	2472.7	11.6
50°-60°	4442.0	20.9
60°-70°	6167.9	29.0
70°-80°	4474.0	21.0
80°-90°	323.5	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°	21293.0	100.0
0°-180°	21293.0	100.0

Coefficient of Utilization



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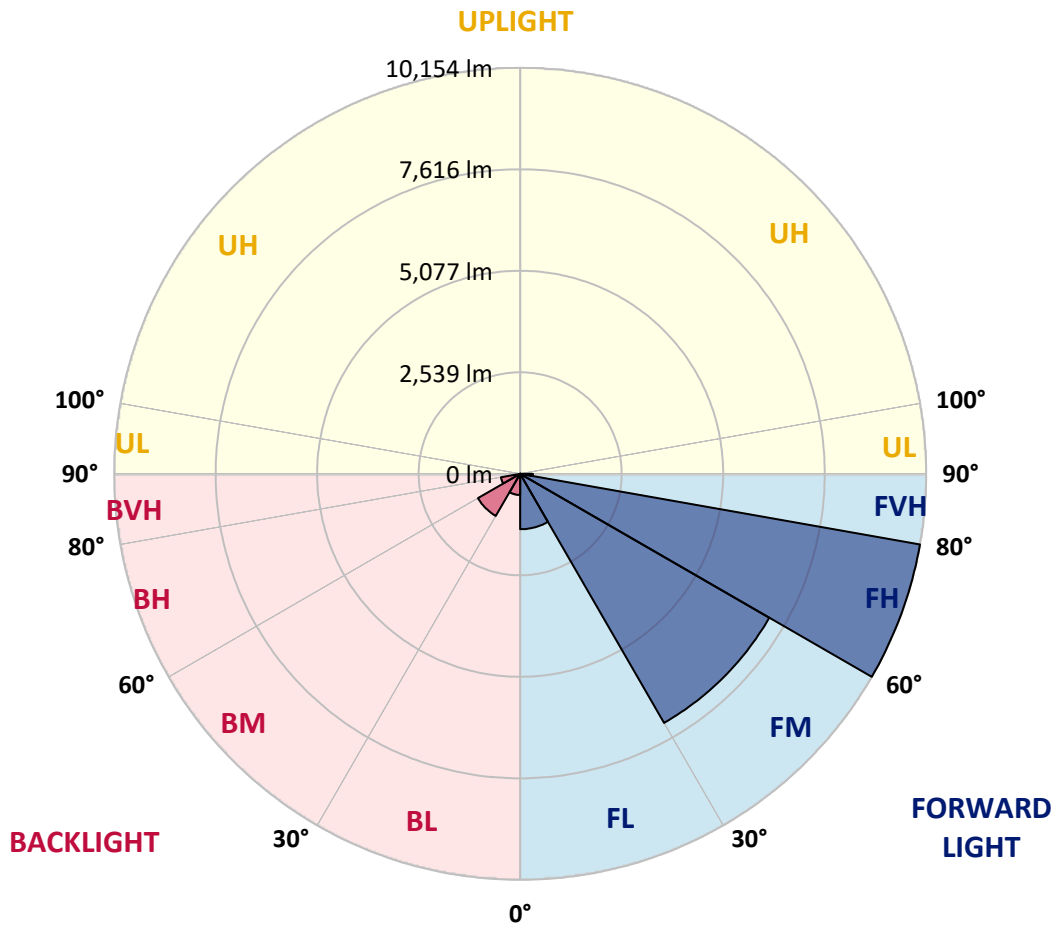
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1387.0	6.5			
FM (30°-60°)	7193.9	33.8			
FH (60°-80°)	10154.0	47.7			G4/12000
FVH (80°-90°)	320.7	1.5			G3/500
BL (0°-30°)	529.9	2.5	B2/1000		
BM (30°-60°)	1216.8	5.7	B2/2500		
BH (60°-80°)	487.9	2.3	B1/500		G1/500
BVH (80°-90°)	2.7	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7
2.5°	2547.8	2552.2	2549.2	2531.8	2502.7	2486.8	2478.0	2449.0	2430.1	2396.6
5°	2781.8	2799.2	2789.1	2754.2	2698.9	2659.7	2648.1	2588.5	2534.7	2472.2
7.5°	3030.3	3039.0	3020.1	2975.1	2901.0	2834.1	2823.9	2741.1	2655.3	2559.4
10°	3245.4	3255.6	3226.5	3161.1	3076.8	2994.0	2979.5	2887.9	2786.2	2668.4
12.5°	3425.6	3435.8	3398.0	3319.5	3226.5	3140.8	3126.2	3030.3	2918.4	2787.6
15°	3562.3	3581.2	3530.3	3446.0	3345.7	3260.0	3252.7	3158.2	3049.2	2903.9
17.5°	3642.2	3661.1	3613.1	3511.4	3425.6	3353.0	3344.3	3265.8	3164.0	3024.5
20°	3655.3	3672.7	3621.9	3533.2	3462.0	3403.8	3399.5	3342.8	3268.7	3135.0
22.5°	3616.0	3637.8	3591.3	3520.1	3470.7	3440.2	3434.4	3402.4	3360.2	3246.9
25°	3575.3	3592.8	3557.9	3495.4	3469.2	3466.3	3470.7	3464.9	3456.2	3360.2
27.5°	3572.4	3591.3	3552.1	3492.5	3478.0	3508.5	3512.8	3540.5	3547.7	3463.4
30°	3597.1	3610.2	3572.4	3509.9	3502.7	3572.4	3573.9	3623.3	3634.9	3550.6
32.5°	3650.9	3665.5	3627.7	3536.1	3525.9	3623.3	3627.7	3693.1	3712.0	3643.7
35°	3777.4	3794.8	3751.2	3608.8	3572.4	3671.3	3684.3	3761.4	3799.2	3742.5
37.5°	4092.8	4041.9	3982.3	3755.6	3678.5	3746.8	3768.6	3858.8	3925.6	3860.2
40°	4876.1	4716.3	4530.2	4005.5	3864.6	3908.2	3925.6	4015.7	4107.3	4043.3
42.5°	6051.9	5863.0	5563.6	4581.1	4145.1	4166.9	4180.0	4258.4	4387.8	4336.9
45°	7099.8	7031.5	6726.3	5563.6	4669.7	4562.2	4578.2	4618.9	4809.3	4790.4
47.5°	7905.0	7865.8	7630.3	6691.4	5556.3	5046.2	5091.2	5110.1	5384.8	5451.7
50°	8524.1	8509.6	8298.9	7694.3	6714.7	5759.8	5775.8	5735.1	6146.4	6312.1
52.5°	9108.4	9157.8	9002.3	8625.9	7951.5	6694.3	6691.4	6499.6	7054.8	7304.7
55°	9636.0	9653.4	9669.4	9576.4	9195.6	7758.2	7730.6	7416.7	8108.5	8367.2
57.5°	10131.6	10138.9	10281.3	10471.7	10490.6	8900.6	8849.7	8473.3	9259.6	9444.1
60°	10464.4	10497.8	10798.7	11327.7	11558.8	10079.3	10051.7	9668.0	10431.0	10516.7
62.5°	9984.8	10188.3	10946.9	11996.3	12567.5	11385.9	11372.8	11012.3	11663.5	11593.7
65°	8082.3	8426.8	9761.0	12448.3	13557.2	12845.1	12864.0	12480.3	12929.4	12702.6
67.5°	5653.7	6017.0	7595.4	12484.6	14663.3	14558.6	14667.6	14065.9	14273.8	13765.1
70°	3909.6	4097.1	5124.7	11702.7	15525.1	16918.9	16916.0	16013.5	15610.9	14249.1
72.5°	2629.2	2726.6	3328.3	9284.3	14891.4	18321.5	18237.2	17501.7	16061.4	13326.1
75°	1108.9	1180.2	1540.6	5217.7	11781.2	16762.0	16533.8	15467.0	14270.9	10493.5
77.5°	351.7	382.2	607.5	1867.6	6489.4	12599.5	12358.2	9659.2	9564.8	5264.2
80°	167.1	194.8	341.5	750.0	2553.6	6852.7	6819.3	4382.0	4114.6	1421.4
82.5°	72.7	85.8	188.9	401.1	1142.4	2444.6	2494.0	1491.2	1233.9	539.2
85°	23.3	30.5	87.2	184.6	482.5	607.5	600.3	354.6	497.1	293.6
87.5°	0.0	0.0	29.1	42.1	49.4	34.9	39.2	30.5	138.1	81.4
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°
2332.7	0°	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7	2332.7
2361.8	2.5°	2344.3	2321.1	2280.4	2242.6	2209.2	2175.7	2155.4	2126.3	2123.4	2123.4
2399.5	5°	2360.3	2322.5	2249.9	2172.8	2084.2	1999.9	1915.6	1834.2	1808.0	1789.1
2460.6	7.5°	2406.8	2347.2	2232.4	2085.6	1917.0	1732.4	1603.1	1463.6	1409.8	1380.7
2542.0	10°	2473.7	2392.3	2217.9	1960.6	1687.4	1436.0	1251.4	1100.2	1042.1	1017.4
2630.6	12.5°	2547.8	2447.5	2191.7	1805.1	1436.0	1135.1	954.9	885.1	876.4	876.4
2736.7	15°	2636.5	2514.4	2146.7	1622.0	1172.9	898.2	834.2	837.2	845.9	851.7
2839.9	17.5°	2728.0	2585.6	2075.4	1417.1	940.3	808.1	809.5	813.9	821.2	827.0
2951.8	20°	2826.8	2656.8	1981.0	1199.0	806.6	781.9	786.3	790.6	796.5	799.4
3056.5	22.5°	2932.9	2723.7	1869.1	985.4	761.6	760.1	761.6	765.9	773.2	773.2
3178.6	25°	3046.3	2797.8	1741.2	829.9	738.3	738.3	741.2	744.1	750.0	750.0
3296.3	27.5°	3162.6	2866.1	1606.0	748.5	718.0	716.5	716.5	720.9	723.8	725.2
3412.6	30°	3290.5	2946.0	1470.8	731.1	702.0	694.7	690.4	693.3	696.2	697.6
3534.6	32.5°	3421.3	3023.1	1350.2	738.3	686.0	672.9	658.4	655.5	655.5	661.3
3661.1	35°	3566.6	3107.4	1257.2	763.0	677.3	640.9	617.7	604.6	606.1	614.8
3812.2	37.5°	3741.0	3209.1	1188.9	784.8	671.5	604.6	566.8	550.8	540.7	550.8
4020.1	40°	3969.2	3358.8	1139.5	802.3	664.2	562.5	511.6	485.4	466.5	472.4
4342.7	42.5°	4304.9	3594.2	1120.6	803.7	648.2	513.0	454.9	420.0	392.4	393.9
4828.2	45°	4775.8	3966.3	1217.9	784.8	613.3	459.3	395.3	348.8	331.4	327.0
5553.4	47.5°	5421.2	4508.4	1443.2	745.6	562.5	406.9	337.2	297.9	284.9	277.6
6505.4	50°	6285.9	5204.6	1693.2	702.0	511.6	357.5	289.2	264.5	255.8	248.5
7634.7	52.5°	7288.8	5910.9	1898.1	658.4	460.7	313.9	258.7	244.2	236.9	231.1
8724.7	55°	8208.8	6397.8	1886.5	611.9	411.3	279.1	236.9	228.2	219.5	213.6
9663.6	57.5°	8781.4	6466.1	1555.1	561.0	354.6	251.4	216.6	210.7	200.6	193.3
10476.0	60°	9044.5	6076.6	1090.0	494.2	297.9	225.3	194.8	191.8	178.8	168.6
11244.9	62.5°	9092.4	5352.8	726.7	411.3	248.5	200.6	173.0	168.6	151.2	133.7
11869.8	65°	8897.7	4318.0	502.9	321.2	212.2	174.4	148.2	139.5	120.6	103.2
12018.1	67.5°	8281.4	3031.8	350.3	231.1	180.2	138.1	117.7	114.8	100.3	85.8
11262.3	70°	7152.1	1728.1	234.0	173.0	142.4	94.5	93.0	95.9	81.4	69.8
9201.4	72.5°	5483.6	790.6	145.3	126.4	97.4	63.9	74.1	75.6	62.5	52.3
5740.9	75°	3228.0	338.6	91.6	81.4	49.4	42.1	53.8	55.2	42.1	33.4
2098.7	77.5°	1098.8	127.9	58.1	48.0	24.7	23.3	34.9	34.9	23.3	13.1
421.5	80°	250.0	48.0	29.1	18.9	11.6	10.2	11.6	10.2	5.8	1.5
129.4	82.5°	71.2	18.9	11.6	7.3	4.4	4.4	1.5	0.0	0.0	0.0
45.1	85°	20.3	8.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
16.0	87.5°	8.7	1.5	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°
2332.7
2130.7
1797.8
1385.1
1017.4
876.4
851.7
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800.8
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751.4
726.7
700.5
665.7
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