

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: P942317

Luminaire Tested: **GALN-SB6B-735-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

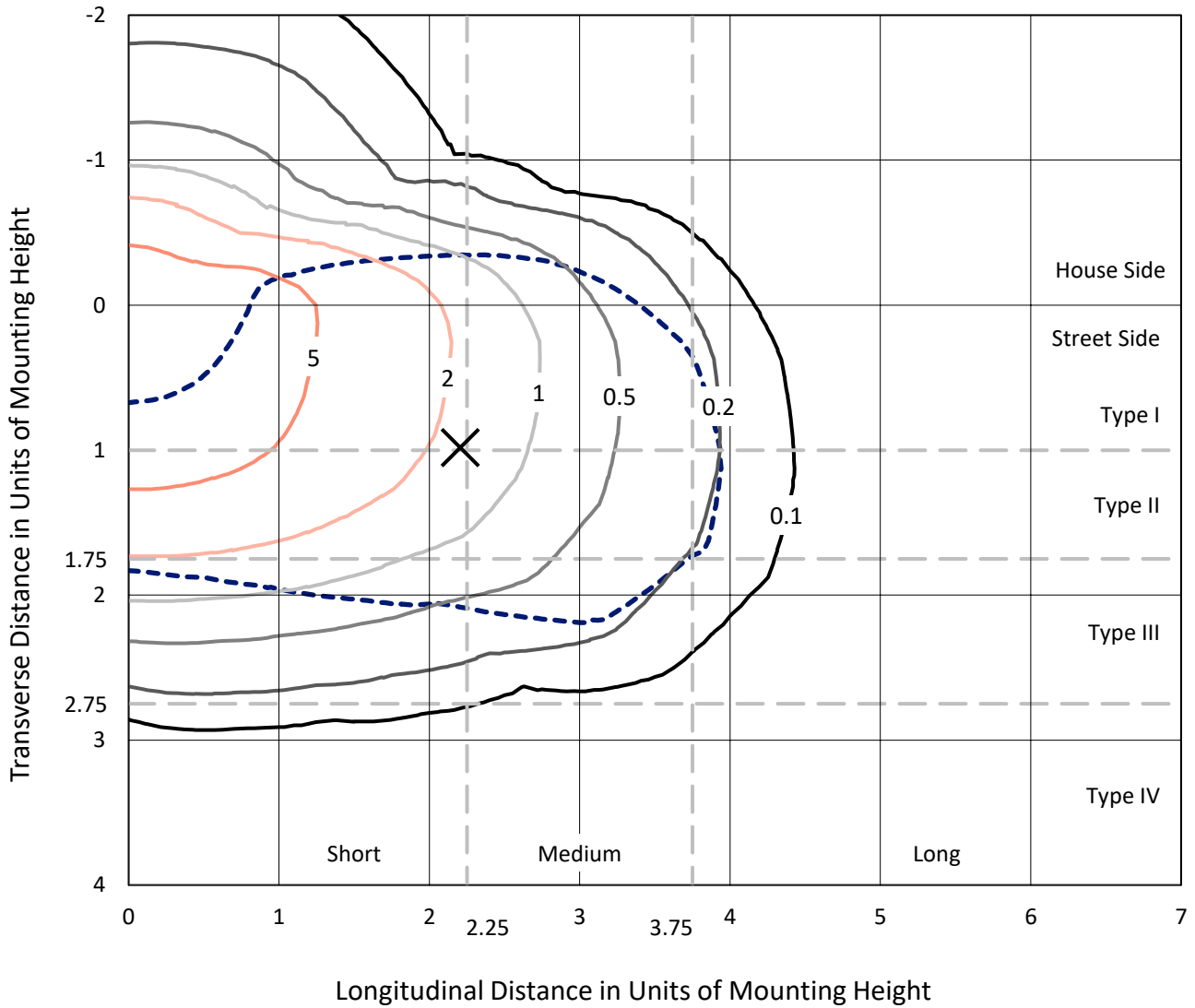
Lumens per Lamp: N/A  
Luminaire Lumens: 34170 lumens  
Efficiency: N/A  
Efficacy: 155.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P942317  
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### Iso-Footcandle Lines of Horizontal Illumination

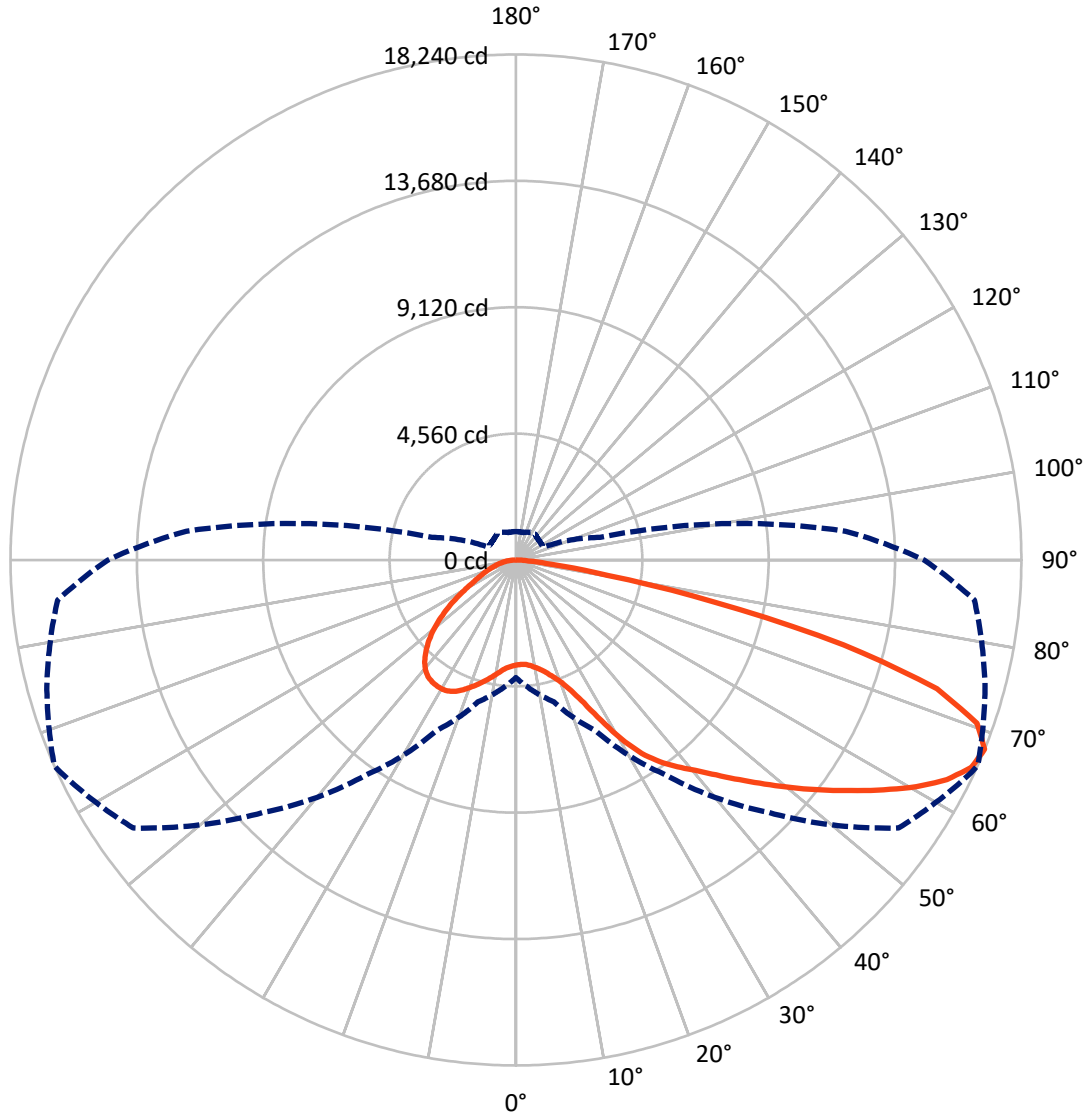
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P942317  
CATALOG NUMBER: GALN-SB6B-735-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P942317

CATALOG NUMBER: GALN-SB6B-735-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8496.3	0.0	8496.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	25673.7	0.0	25673.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	34170.0	0.0	34170.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.8	1.1
10°-20°	1241.4	3.6
20°-30°	2392.8	7.0
30°-40°	4195.5	12.3
40°-50°	6237.3	18.3
50°-60°	7906.4	23.1
60°-70°	7736.2	22.6
70°-80°	3690.2	10.8
80°-90°	394.4	1.2
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°	34170.0	100.0
0°-180°	34170.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P942317

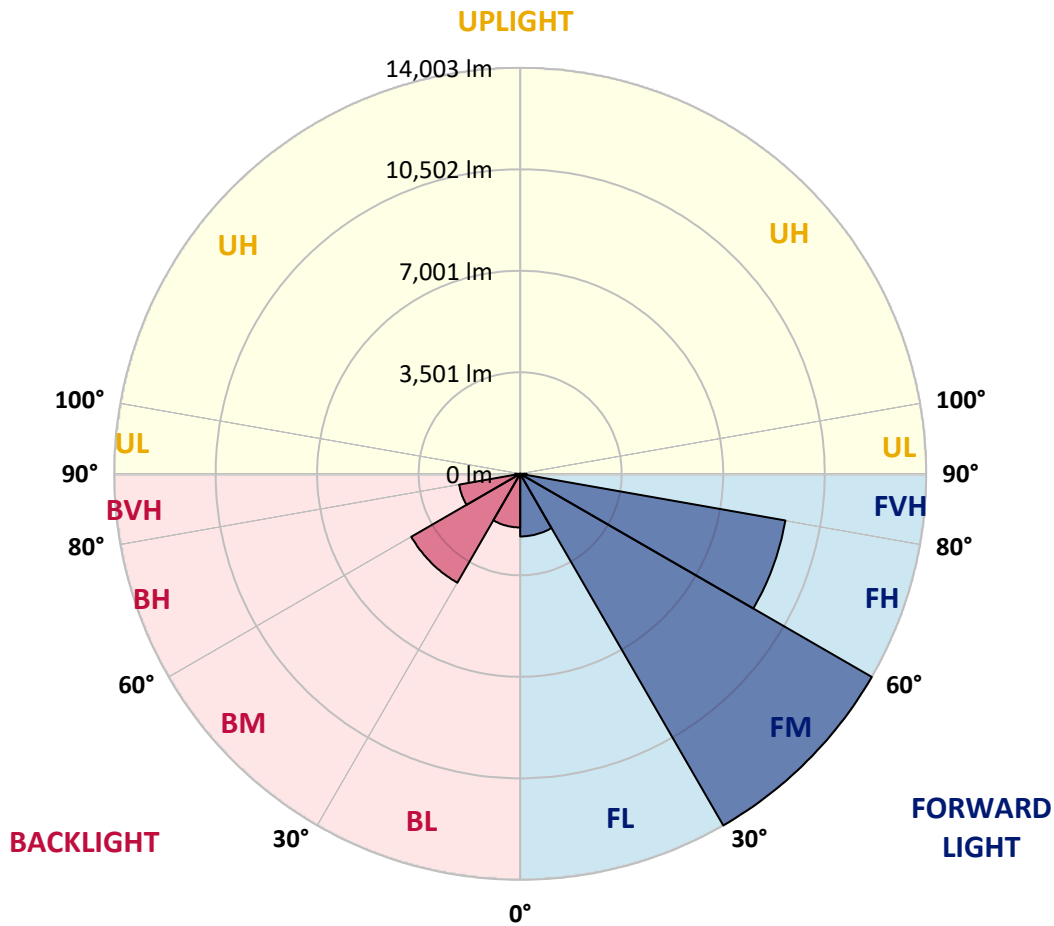
CATALOG NUMBER: GALN-SB6B-735-U-T3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2159.2	6.3			
FM (30°-60°)	14002.6	41.0			
FH (60°-80°)	9288.3	27.2			G4/12000
FVH (80°-90°)	223.6	0.7			G2/225
BL (0°-30°)	1850.8	5.4	B3/2500		
BM (30°-60°)	4336.6	12.7	B3/5000		
BH (60°-80°)	2138.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	170.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short



REPORT NUMBER: P942317

CATALOG NUMBER: GALN-SB6B-735-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9
2.5°	3750.4	3772.0	3766.6	3757.6	3755.8	3759.4	3764.8	3770.2	3768.4	3777.3
5°	3739.6	3761.2	3759.4	3759.4	3766.6	3780.9	3789.9	3798.9	3789.9	3800.7
7.5°	3746.8	3763.0	3770.2	3777.3	3795.3	3822.2	3843.8	3863.5	3852.7	3865.3
10°	3838.4	3850.9	3858.1	3858.1	3870.7	3901.2	3922.8	3958.7	3949.7	3969.4
12.5°	4005.3	4017.9	4017.9	4010.7	4019.7	4039.5	4046.6	4086.1	4070.0	4102.3
15°	4210.0	4235.1	4215.4	4202.8	4206.4	4226.2	4224.4	4254.9	4238.7	4265.7
17.5°	4436.2	4468.5	4436.2	4434.4	4427.2	4448.8	4450.6	4477.5	4448.8	4468.5
20°	4703.7	4748.6	4721.7	4730.6	4714.5	4723.5	4732.4	4771.9	4727.1	4741.4
22.5°	5080.7	5134.6	5105.9	5140.0	5129.2	5122.0	5120.2	5190.2	5120.2	5125.6
25°	5630.1	5694.7	5644.5	5691.1	5691.1	5714.5	5741.4	5831.2	5714.5	5680.4
27.5°	6441.6	6506.2	6407.5	6436.2	6427.2	6484.7	6455.9	6678.6	6552.9	6497.2
30°	7418.2	7533.1	7346.4	7339.2	7330.3	7421.8	7463.1	7610.3	7482.9	7427.2
32.5°	8473.9	8594.2	8371.5	8306.9	8272.8	8328.5	8294.3	8412.8	8324.9	8238.7
35°	9590.6	9709.0	9497.2	9371.5	9235.1	9118.4	8996.3	9026.8	8944.2	8813.2
37.5°	10646.2	10863.4	10639.0	10504.4	10253.0	10025.0	9683.9	9542.1	9464.9	9344.6
40°	11721.6	11845.5	11674.9	11560.0	11287.1	10929.9	10384.1	10084.3	9980.1	9863.4
42.5°	12513.3	12631.8	12540.3	12461.3	12247.6	11832.9	11127.3	10752.1	10601.3	10470.3
45°	13141.7	13229.7	13172.2	13200.9	13109.4	12707.2	11897.5	11468.5	11312.3	11152.5
47.5°	13394.8	13488.2	13579.7	13750.3	13906.5	13610.3	12725.2	12244.0	12078.9	11915.5
50°	13366.1	13461.3	13727.0	14089.6	14574.3	14475.6	13597.7	13069.9	12917.3	12730.6
52.5°	13136.3	13244.0	13585.1	14188.4	14960.3	15123.7	14486.4	13922.6	13779.0	13556.4
55°	12533.1	12597.7	13109.4	13963.9	15051.9	15576.1	15357.1	14831.1	14687.5	14376.9
57.5°	11414.6	11508.0	12253.0	13358.9	14822.1	15883.1	16121.9	15786.2	15647.9	15200.9
60°	9955.0	10104.0	10956.8	12342.8	14236.8	15881.3	16816.7	16725.1	16610.2	16012.4
62.5°	8303.3	8475.7	9296.1	10906.5	13213.5	15430.7	17251.2	17511.5	17452.2	16761.0
65°	6376.9	6495.4	7312.3	9048.4	11621.1	14463.0	17301.4	18048.3	18059.0	17330.2
67.5°	4245.9	4587.0	5296.2	6789.9	9488.2	12881.4	16859.8	18136.2	18240.4	17525.8
70°	2071.8	2520.6	3215.4	4412.9	6789.9	10455.9	15705.4	17414.5	17646.1	16954.9
72.5°	860.0	1005.4	1384.2	2177.7	3897.6	7055.6	13385.8	15457.6	15886.7	15023.2
75°	579.9	628.4	791.7	1116.7	1775.6	3479.3	9653.4	11525.9	12217.1	11346.4
77.5°	447.0	477.6	576.3	781.0	1055.6	1316.0	5166.9	6946.1	7303.3	6761.1
80°	351.9	375.2	430.9	569.1	748.6	703.8	1761.2	3147.2	3353.6	2813.3
82.5°	305.2	314.2	308.8	386.0	497.3	411.1	578.1	1161.6	1281.9	930.0
85°	220.8	246.0	256.7	238.8	263.9	208.3	237.0	411.1	452.4	403.9
87.5°	89.8	132.9	163.4	154.4	96.9	59.2	73.6	120.3	138.2	150.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942317  
 CATALOG NUMBER: GALN-SB6B-735-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3789.9	0°	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9
3791.7	2.5°	3793.5	3806.1	3815.0	3825.8	3833.0	3843.8	3865.3	3877.9	3879.7	3888.6
3820.4	5°	3827.6	3845.6	3865.3	3894.0	3926.3	3953.3	3994.6	4023.3	4034.1	4043.0
3890.4	7.5°	3901.2	3926.3	3962.3	4012.5	4059.2	4095.1	4145.4	4179.5	4213.6	4226.2
4001.8	10°	4010.7	4046.6	4098.7	4166.9	4217.2	4263.9	4315.9	4344.7	4378.8	4393.1
4134.6	12.5°	4147.2	4184.9	4253.1	4348.2	4394.9	4427.2	4445.2	4438.0	4445.2	4457.8
4294.4	15°	4303.4	4344.7	4421.9	4524.2	4556.5	4527.8	4488.3	4452.4	4447.0	4450.6
4488.3	17.5°	4488.3	4518.8	4608.6	4694.7	4671.4	4552.9	4466.7	4409.3	4380.6	4371.6
4736.0	20°	4746.8	4746.8	4820.4	4874.3	4718.1	4517.0	4382.4	4289.0	4229.8	4204.6
5073.6	22.5°	5061.0	5032.3	5078.9	5041.2	4709.1	4416.5	4229.8	4068.2	3978.4	3942.5
5545.7	25°	5459.5	5425.4	5412.9	5179.5	4644.5	4256.7	3953.3	3757.6	3678.6	3658.8
6226.1	27.5°	6061.0	5974.8	5811.4	5254.9	4526.0	4005.3	3630.1	3448.8	3403.9	3405.7
7100.5	30°	6861.7	6689.3	6289.0	5267.4	4332.1	3649.9	3299.8	3170.5	3149.0	3158.0
7834.7	32.5°	7603.1	7439.8	6777.3	5210.0	4034.1	3301.6	3003.6	2917.4	2885.1	2895.8
8394.9	35°	8184.8	8139.9	7229.7	5129.2	3667.8	2974.8	2737.9	2664.2	2601.4	2587.0
8922.7	37.5°	8734.2	8716.2	7569.0	5016.1	3305.2	2743.2	2524.2	2427.3	2335.7	2285.4
9506.2	40°	9337.4	9319.5	7791.7	4842.0	2983.8	2542.2	2332.1	2204.6	2091.5	2000.0
10166.9	42.5°	10016.0	9910.1	7897.6	4592.4	2710.9	2371.6	2175.9	2003.6	1854.6	1770.2
10913.7	45°	10757.5	10518.7	7895.8	4274.6	2481.1	2215.4	2009.0	1764.8	1626.6	1547.6
11680.3	47.5°	11543.9	11100.4	7798.8	3922.8	2258.5	2043.1	1750.4	1563.7	1472.2	1423.7
12513.3	50°	12355.3	11644.4	7633.7	3518.8	2030.5	1847.4	1588.9	1461.4	1391.4	1346.5
13339.2	52.5°	13118.3	12138.1	7434.4	3061.0	1798.9	1657.1	1517.0	1418.3	1344.7	1294.4
14139.9	55°	13827.5	12563.6	7152.5	2592.4	1610.4	1529.6	1482.9	1400.3	1316.0	1256.7
14953.2	57.5°	14457.7	12840.1	6666.0	2152.6	1475.7	1441.6	1447.0	1369.8	1272.9	1222.6
15753.9	60°	14981.9	13042.9	5946.1	1745.0	1366.2	1355.5	1391.4	1312.4	1199.3	1141.8
16430.7	62.5°	15296.1	13039.4	5062.8	1429.1	1272.9	1276.5	1317.8	1240.6	1125.7	1071.8
16784.4	65°	15269.1	12719.8	4093.3	1222.6	1183.1	1186.7	1240.6	1161.6	1064.6	1032.3
16606.6	67.5°	14728.7	11940.6	3140.0	1088.0	1084.4	1100.5	1163.4	1107.7	1026.9	1023.3
15547.4	70°	13265.6	10323.0	2262.1	980.2	982.0	1005.4	1088.0	1073.6	1007.2	1014.4
13071.7	72.5°	10637.2	7870.6	1518.8	867.1	868.9	906.6	1016.1	1046.7	987.4	1082.6
9274.6	75°	7084.3	4908.4	976.6	746.8	748.6	797.1	953.3	994.6	933.6	1079.0
4825.8	77.5°	3403.9	2206.4	707.4	628.4	628.4	673.2	824.0	890.5	795.3	838.4
1551.1	80°	1175.9	829.4	556.5	506.3	495.5	526.0	694.8	772.0	685.8	631.9
506.3	82.5°	463.2	430.9	447.0	393.2	357.3	377.0	540.4	637.3	504.5	456.0
285.5	85°	265.7	280.1	316.0	260.3	206.5	231.6	396.8	457.8	380.6	335.7
93.4	87.5°	71.8	98.7	145.4	134.6	93.4	98.7	188.5	253.1	219.0	168.8
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>
3789.9
3886.9
4041.2
4228.0
4400.3
4461.4
4463.1
4384.2
4199.2
3937.1
3662.4
3411.1
3188.5
2910.2
2597.8
2287.2
2009.0
1775.6
1544.0
1412.9
1330.3
1272.9
1233.4
1190.3
1116.7
1055.6
1030.5
<b>1028.7</b>
1012.6
1096.9
1088.0
768.4
592.5
454.2
342.9
174.1
0.0

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