

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: P954381

Luminaire Tested: **GALN-SB7C-927-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-927-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

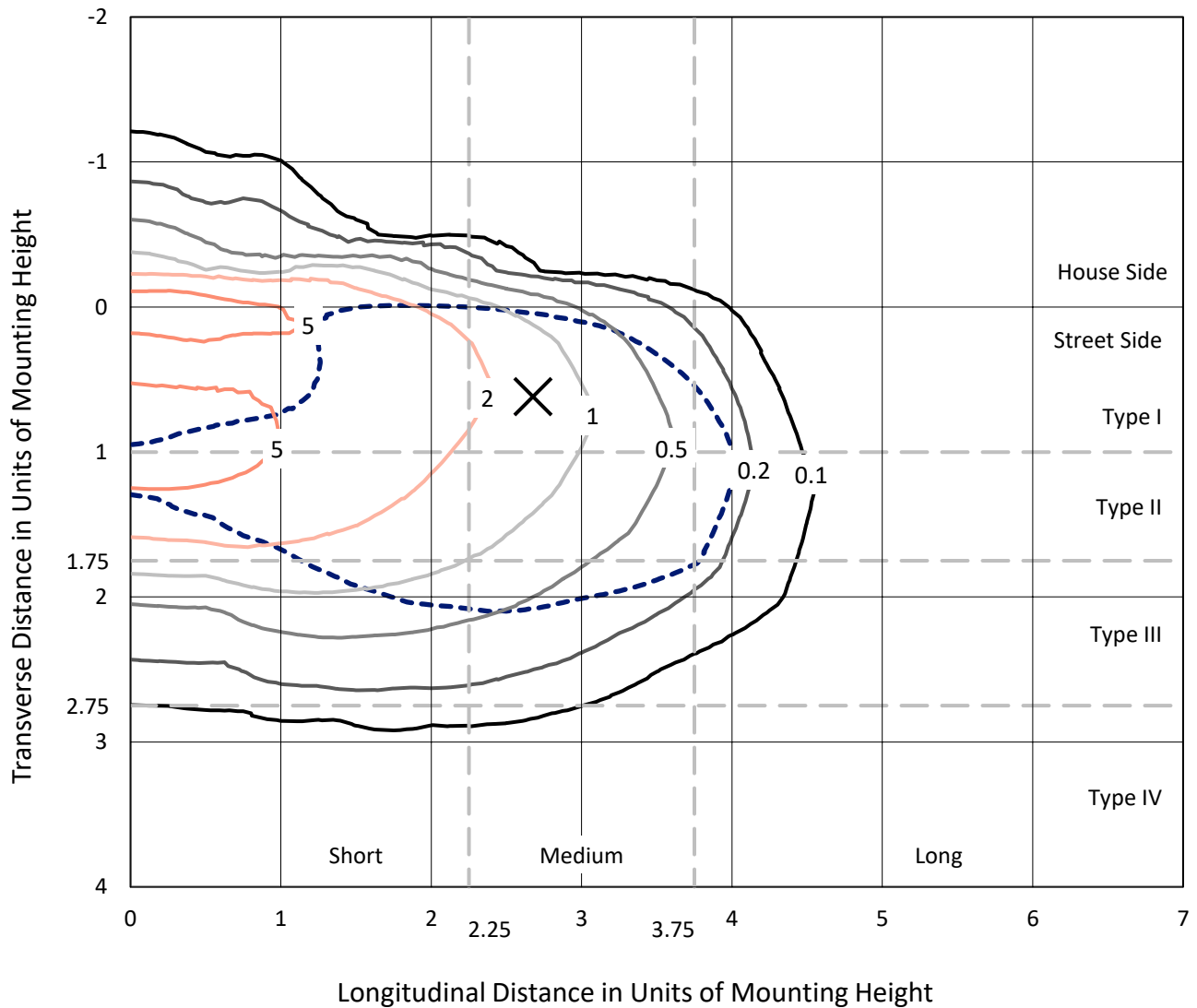
Lumens per Lamp: N/A  
Luminaire Lumens: 26990 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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



REPORT NUMBER: P954381  
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### Iso-Footcandle Lines of Horizontal Illumination

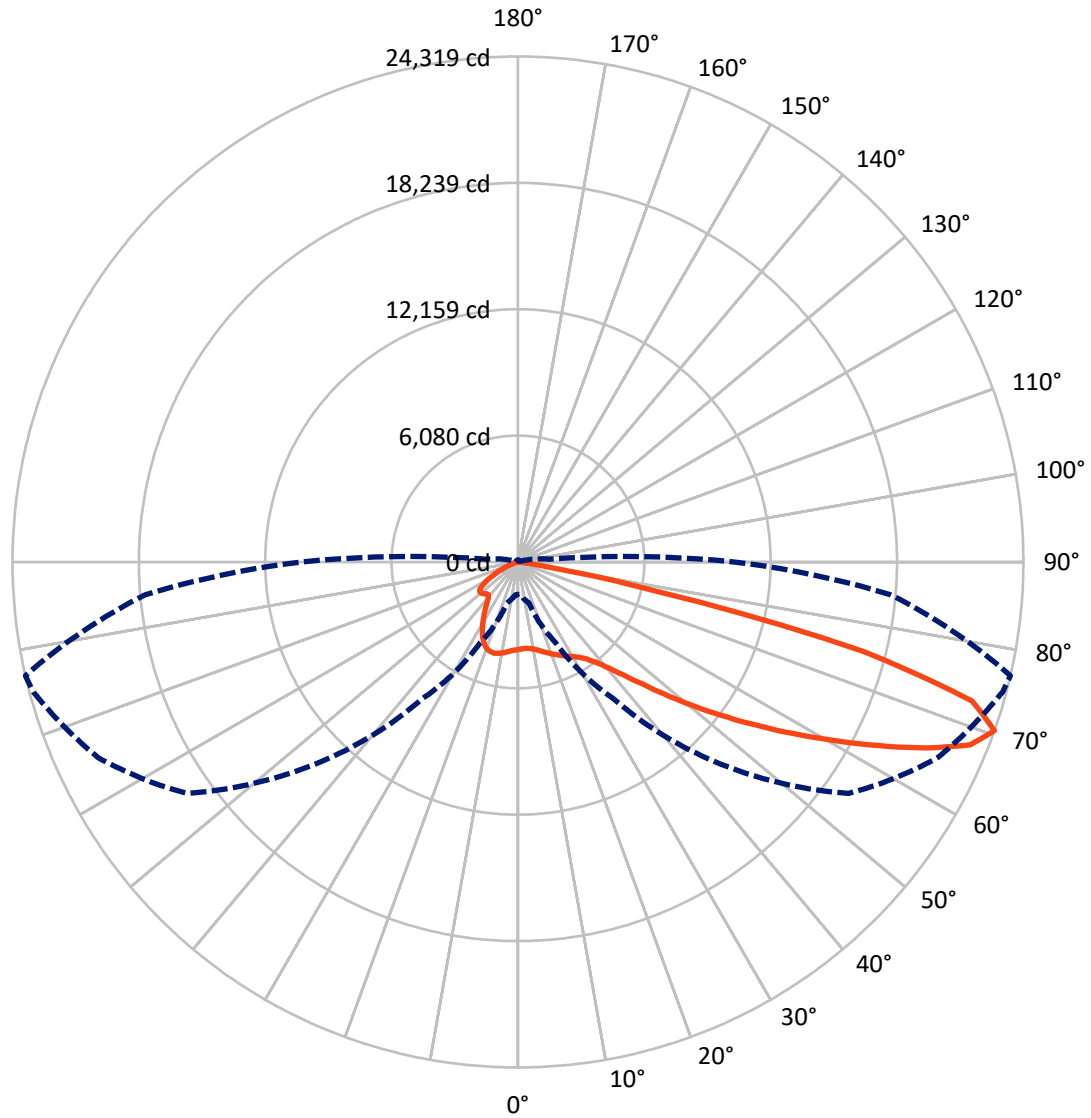
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P954381  
CATALOG NUMBER: GALN-SB7C-927-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GALN-SB7C-927-U-T3R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2845.1	0.0	2845.1
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	24144.9	0.0	24144.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	26990.0	0.0	26990.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.8	1.3
10°-20°	861.3	3.2
20°-30°	1332.2	4.9
30°-40°	2417.4	9.0
40°-50°	4563.1	16.9
50°-60°	6593.3	24.4
60°-70°	7018.4	26.0
70°-80°	3719.3	13.8
80°-90°	122.1	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°	26990.0	100.0
0°-180°	26990.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P954381

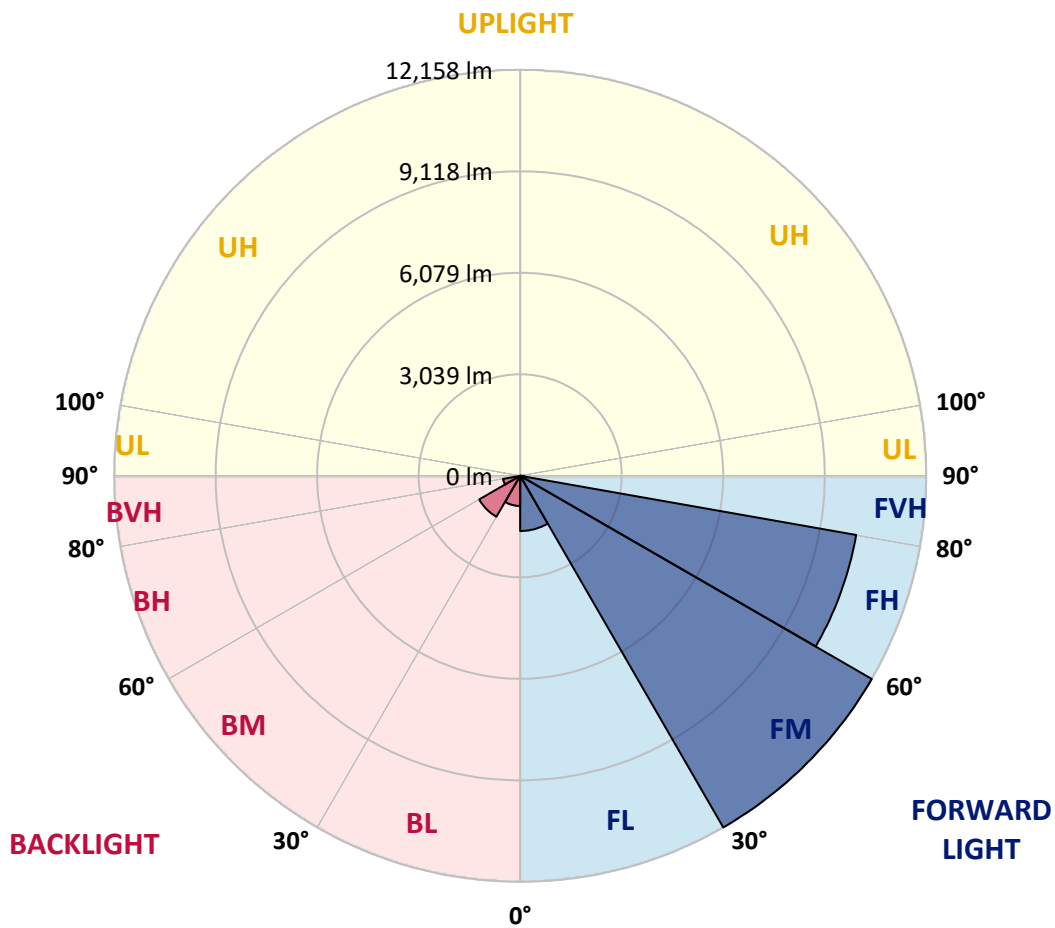
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1652.4	6.1			
FM (30°-60°)	12157.5	45.0			
FH (60°-80°)	10216.1	37.9			G4/12000
FVH (80°-90°)	118.8	0.4			G2/225
BL (0°-30°)	903.9	3.3	B2/1000		
BM (30°-60°)	1416.3	5.2	B2/2500		
BH (60°-80°)	521.6	1.9	B2/1000		G2/1000
BVH (80°-90°)	3.3	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 III Medium



REPORT NUMBER: P954381  
 CATALOG NUMBER: GALN-SB7C-927-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0
2.5°	3952.6	3988.4	3983.3	4007.1	4015.6	4049.7	4083.8	4129.8	4181.0	4179.3
5°	3729.3	3765.1	3773.6	3806.0	3846.9	3899.7	3969.6	4061.7	4157.1	4172.5
7.5°	3465.1	3502.6	3524.8	3589.5	3664.5	3773.6	3887.8	4022.5	4181.0	4203.1
10°	3200.9	3235.0	3264.0	3356.0	3475.3	3637.3	3823.0	4017.4	4230.4	4262.8
12.5°	3037.3	3069.7	3102.1	3182.2	3330.5	3528.2	3780.4	4041.2	4312.2	4358.2
15°	2979.4	3008.3	3033.9	3105.5	3243.5	3468.5	3771.9	4090.6	4416.2	4477.5
17.5°	2987.9	3003.2	3020.3	3074.8	3209.4	3441.3	3787.3	4175.9	4538.9	4593.5
20°	3037.3	3045.8	3047.5	3085.0	3204.3	3437.8	3817.9	4257.7	4654.8	4728.1
22.5°	3100.4	3103.8	3100.4	3125.9	3236.7	3463.4	3858.8	4356.5	4784.3	4852.5
25°	3395.2	3330.5	3248.7	3199.2	3291.3	3512.8	3920.2	4489.5	4925.8	4992.3
27.5°	4310.5	4124.7	3831.6	3502.6	3403.8	3584.4	4005.4	4624.1	5069.0	5128.6
30°	5796.8	5553.0	5055.4	4313.9	3765.1	3734.4	4116.2	4758.8	5220.7	5285.5
32.5°	7286.5	7226.8	6652.4	5626.3	4578.1	4068.5	4300.3	4941.2	5421.8	5472.9
35°	8793.2	8672.2	8201.7	7187.6	5830.9	4748.6	4607.1	5179.8	5686.0	5743.9
37.5°	9947.1	9873.8	9582.3	8747.2	7317.1	5798.5	5132.1	5549.6	6069.5	6134.3
40°	10966.3	10932.2	10833.4	10282.9	8979.0	7172.3	5948.5	6122.3	6601.3	6678.0
42.5°	11767.4	11847.5	11903.8	11750.4	10691.9	8740.3	7046.1	6926.8	7342.7	7421.1
45°	12587.2	12614.5	12841.2	13062.8	12392.9	10380.0	8283.6	7869.4	8264.8	8362.0
47.5°	13113.9	13223.0	13621.8	14012.2	13823.0	12006.0	9613.0	8982.4	9333.5	9515.9
50°	13153.1	13359.4	13908.2	14588.3	14864.4	13553.7	11058.4	10250.5	10623.7	10824.9
52.5°	12500.3	12820.8	13671.3	14666.7	15426.8	14864.4	12553.2	11518.6	11997.5	12260.0
55°	9584.0	10003.3	12779.8	14240.5	15449.0	15858.1	14008.7	12839.5	13528.1	13824.7
57.5°	8350.0	8561.4	10047.6	13500.8	15038.2	16258.6	15324.6	14097.4	15193.3	15561.5
60°	6947.3	7225.1	8426.7	12290.7	14480.9	16297.8	16487.0	15720.0	16998.3	17412.5
62.5°	4721.3	5023.0	6217.8	10211.3	13719.0	16279.1	17439.8	17390.3	19004.4	19449.3
65°	2924.8	3114.0	3901.4	8338.1	12653.7	16299.5	18436.9	19418.6	21121.3	21573.0
67.5°	2311.2	2398.1	2808.9	6401.9	10818.0	15839.3	19432.3	21325.9	23113.8	23471.8
70°	1552.7	1605.6	2043.6	4291.8	8048.3	13715.6	19413.5	22283.8	24139.9	24318.9
72.5°	818.1	859.0	1194.8	1987.4	4861.0	9749.4	16364.3	21138.4	23118.9	22849.6
75°	409.1	477.2	804.5	1009.0	2076.0	5437.1	10161.8	16666.0	18196.5	17153.4
77.5°	310.2	375.0	664.7	664.7	722.7	1830.6	4303.7	9089.7	8384.1	6981.4
80°	197.7	255.7	581.2	502.8	301.7	465.3	1121.5	2546.4	1781.1	1355.0
82.5°	115.9	167.0	484.1	332.4	168.7	172.1	317.0	542.0	461.9	359.6
85°	46.0	109.1	332.4	131.2	66.5	42.6	95.4	115.9	95.4	71.6
87.5°	0.0	25.6	58.0	0.0	5.1	3.4	6.8	8.5	8.5	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954381  
 CATALOG NUMBER: GALN-SB7C-927-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4210.0	0°	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0	4210.0
4213.4	2.5°	4228.7	4232.1	4242.3	4244.0	4220.2	4189.5	4177.6	4172.5	4152.0	4150.3
4240.6	5°	4279.8	4295.2	4279.8	4235.5	4129.8	3981.6	3869.1	3777.0	3693.5	3667.9
4334.4	7.5°	4382.1	4397.4	4351.4	4177.6	3911.7	3616.8	3350.9	3163.4	2994.7	2931.6
4448.6	10°	4528.7	4549.1	4404.3	4053.1	3582.7	3108.9	2658.9	2341.9	2094.7	1994.2
4603.7	12.5°	4712.8	4721.3	4433.2	3864.0	3154.9	2478.2	1840.8	1501.6	1281.7	1199.9
4791.2	15°	4915.6	4903.7	4436.6	3606.6	2572.0	1752.2	1201.6	986.9	898.2	871.0
4978.7	17.5°	5128.6	5079.2	4368.5	3235.0	1932.8	1198.2	891.4	840.3	824.9	818.1
5164.4	20°	5338.3	5227.5	4244.0	2749.3	1387.4	894.8	809.6	794.3	785.7	782.3
5351.9	22.5°	5529.2	5340.0	4031.0	2185.1	1007.3	790.9	765.3	751.7	736.3	729.5
5534.3	25°	5715.0	5404.8	3731.0	1658.4	806.2	739.7	719.3	693.7	673.3	664.7
5730.3	27.5°	5895.6	5445.7	3356.0	1227.2	719.3	692.0	654.5	618.7	603.4	600.0
5940.0	30°	6088.2	5459.3	2929.9	915.3	666.4	632.3	577.8	536.9	528.4	530.1
6222.9	32.5°	6323.5	5479.8	2500.4	750.0	622.1	560.8	496.0	453.4	446.6	453.4
6635.4	35°	6604.7	5520.7	2086.2	690.3	582.9	487.5	417.6	381.8	375.0	380.1
7163.7	37.5°	6986.5	5587.1	1699.3	678.4	550.5	426.1	351.1	322.1	322.1	323.8
7811.4	40°	7494.4	5764.4	1353.3	669.8	533.5	380.1	296.6	284.6	289.8	293.2
8636.4	42.5°	8113.1	6141.1	1119.8	659.6	514.7	359.6	269.3	264.2	272.7	276.1
9624.9	45°	8806.8	6618.3	1038.0	642.6	497.7	373.3	257.4	250.6	260.8	262.5
10732.8	47.5°	9524.4	7085.3	1027.8	623.8	480.7	393.7	254.0	238.6	250.6	252.3
11915.7	50°	10250.5	7390.4	1038.0	594.8	453.4	393.7	255.7	226.7	236.9	242.0
13142.9	52.5°	10981.7	7530.2	1031.2	531.8	405.7	369.9	255.7	216.5	226.7	230.1
14468.9	55°	11690.7	7502.9	927.2	438.0	344.3	327.3	248.8	207.9	214.8	216.5
15721.7	57.5°	12251.5	7122.8	734.6	340.9	279.5	272.7	226.7	197.7	202.8	201.1
16870.5	60°	12544.6	6287.7	525.0	262.5	219.9	214.8	199.4	184.1	187.5	179.0
17843.7	62.5°	12548.0	5183.2	351.1	207.9	175.6	170.4	170.4	165.3	161.9	144.9
18597.1	65°	12280.4	3957.7	233.5	165.3	141.5	132.9	143.2	141.5	129.5	105.7
18827.2	67.5°	11673.7	2594.1	177.3	129.5	109.1	104.0	114.2	119.3	110.8	88.6
17988.6	70°	10426.0	1510.1	146.6	100.6	81.8	76.7	92.0	102.3	92.0	71.6
15375.7	72.5°	8660.2	814.7	119.3	75.0	56.2	51.1	73.3	83.5	73.3	52.8
9865.3	75°	5619.5	436.3	92.0	49.4	29.0	32.4	54.5	61.4	51.1	34.1
2895.8	77.5°	1886.8	192.6	58.0	23.9	13.6	13.6	32.4	37.5	23.9	11.9
526.7	80°	421.0	80.1	23.9	10.2	5.1	5.1	6.8	6.8	3.4	0.0
161.9	82.5°	138.1	32.4	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0
40.9	85°	52.8	11.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.6	87.5°	20.5	1.7	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

<u>180°</u>
4210.0
4153.7
3652.6
2906.1
1951.6
1174.4
871.0
816.4
778.9
727.8
661.3
596.6
530.1
451.7
378.4
322.1
293.2
276.1
264.2
254.0
243.7
230.1
216.5
201.1
177.3
139.8
102.3
86.9
68.2
51.1
30.7
10.2
0.0
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