

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: P952953

Luminaire Tested: **GALN-SB6C-927-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952953
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-SB6C-927-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 23014 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

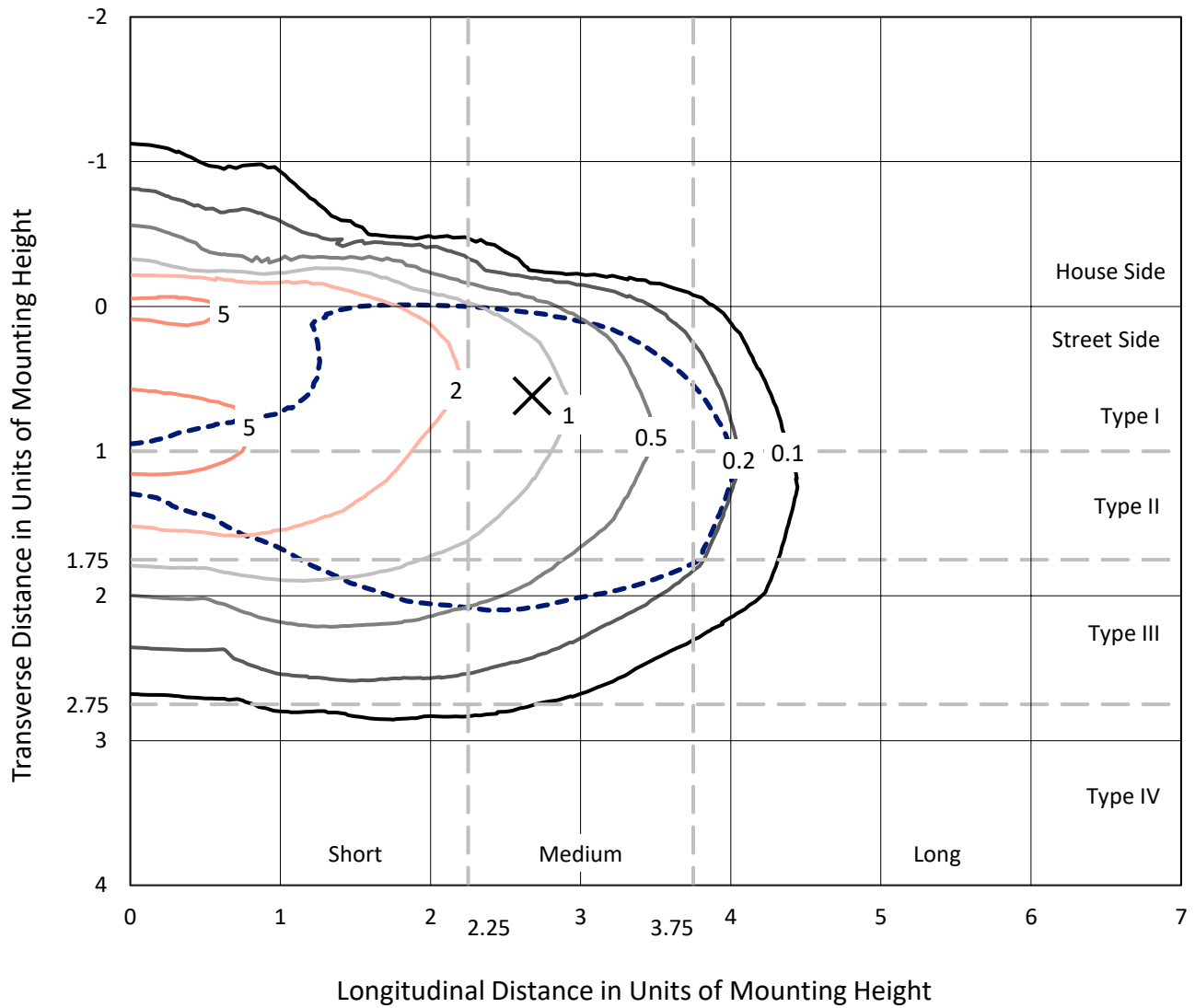
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

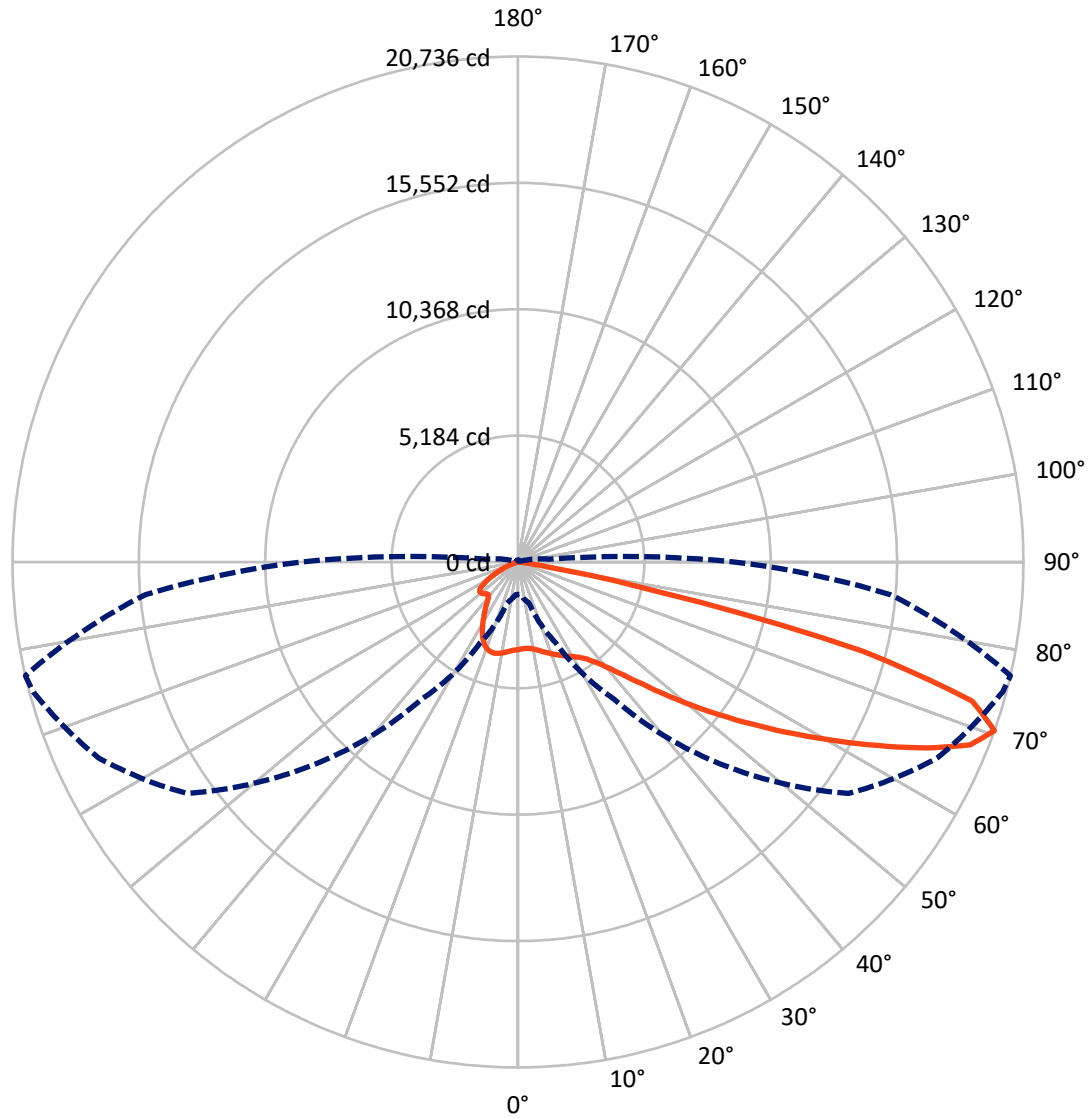
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2426.0	0.0	2426.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	20588.0	0.0	20588.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	23014.0	0.0	23014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.4	1.3
10°-20°	734.4	3.2
20°-30°	1136.0	4.9
30°-40°	2061.3	9.0
40°-50°	3890.9	16.9
50°-60°	5622.0	24.4
60°-70°	5984.5	26.0
70°-80°	3171.4	13.8
80°-90°	104.1	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°	23014.0	100.0
0°-180°	23014.0	100.0

Coefficient of Utilization



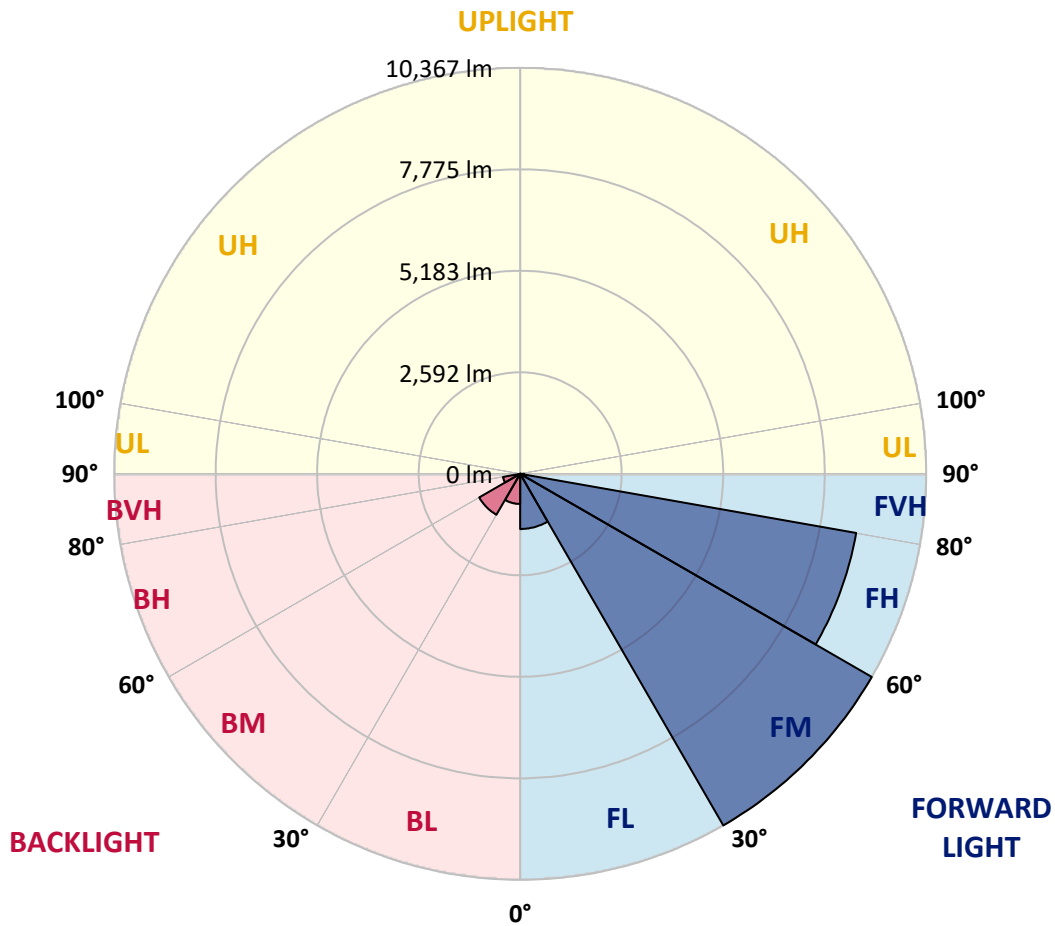
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1409.0	6.1			
FM (30°-60°)	10366.5	45.0			
FH (60°-80°)	8711.1	37.9			G4/12000
FVH (80°-90°)	101.3	0.4			G2/225
BL (0°-30°)	770.8	3.3	B2/1000		
BM (30°-60°)	1207.7	5.2	B2/2500		
BH (60°-80°)	444.7	1.9	B1/500		G1/500
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8
2.5°	3370.3	3400.8	3396.5	3416.8	3424.1	3453.2	3482.2	3521.5	3565.1	3563.6
5°	3179.9	3210.4	3217.7	3245.3	3280.2	3325.3	3384.8	3463.3	3544.7	3557.8
7.5°	2954.7	2986.6	3005.5	3060.7	3124.7	3217.7	3315.1	3429.9	3565.1	3584.0
10°	2729.4	2758.5	2783.2	2861.6	2963.4	3101.4	3259.9	3425.5	3607.2	3634.8
12.5°	2589.9	2617.5	2645.1	2713.4	2839.8	3008.4	3223.5	3445.9	3677.0	3716.2
15°	2540.5	2565.2	2587.0	2648.0	2765.7	2957.6	3216.3	3488.0	3765.6	3817.9
17.5°	2547.7	2560.8	2575.3	2621.8	2736.7	2934.3	3229.3	3560.7	3870.3	3916.8
20°	2589.9	2597.1	2598.6	2630.6	2732.3	2931.4	3255.5	3630.5	3969.1	4031.6
22.5°	2643.6	2646.5	2643.6	2665.4	2759.9	2953.2	3290.4	3714.8	4079.5	4137.7
25°	2895.1	2839.8	2770.1	2727.9	2806.4	2995.3	3342.7	3828.1	4200.2	4256.9
27.5°	3675.5	3517.1	3267.1	2986.6	2902.3	3056.4	3415.4	3942.9	4322.3	4373.1
30°	4942.8	4735.0	4310.6	3678.4	3210.4	3184.3	3509.8	4057.7	4451.6	4506.8
32.5°	6213.1	6162.2	5672.4	4797.5	3903.7	3469.1	3666.8	4213.3	4623.1	4666.7
35°	7497.8	7394.6	6993.5	6128.8	4971.9	4049.0	3928.4	4416.7	4848.4	4897.8
37.5°	8481.7	8419.2	8170.7	7458.6	6239.2	4944.3	4376.0	4732.1	5175.4	5230.6
40°	9350.8	9321.8	9237.5	8768.0	7656.2	6115.7	5072.2	5220.4	5628.8	5694.2
42.5°	10033.9	10102.2	10150.2	10019.4	9116.8	7452.8	6008.1	5906.4	6261.0	6327.9
45°	10733.0	10756.2	10949.5	11138.5	10567.3	8850.9	7063.3	6710.1	7047.3	7130.1
47.5°	11182.1	11275.1	11615.2	11948.0	11786.6	10237.4	8196.9	7659.1	7958.5	8114.0
50°	11215.5	11391.3	11859.3	12439.2	12674.6	11557.0	9429.3	8740.4	9058.7	9230.2
52.5°	10658.9	10932.1	11657.3	12506.1	13154.2	12674.6	10703.9	9821.7	10230.1	10453.9
55°	8172.2	8529.7	10897.2	12142.7	13173.1	13521.9	11945.1	10948.1	11535.2	11788.1
57.5°	7119.9	7300.2	8567.5	11512.0	12822.9	13863.5	13067.0	12020.6	12955.1	13269.1
60°	5923.8	6160.7	7185.4	10480.1	12347.6	13896.9	14058.2	13404.2	14494.2	14847.4
62.5°	4025.8	4283.0	5301.8	8707.0	11698.0	13880.9	14870.7	14828.5	16204.8	16584.1
65°	2493.9	2655.3	3326.7	7109.8	10789.7	13898.4	15720.9	16558.0	18009.9	18395.0
67.5°	1970.7	2044.9	2395.1	5458.8	9224.4	13506.0	16569.6	18184.3	19708.8	20014.0
70°	1324.0	1369.1	1742.6	3659.5	6862.7	11695.1	16553.6	19001.1	20583.8	20736.4
72.5°	697.6	732.5	1018.8	1694.6	4144.9	8313.1	13953.6	18024.4	19713.2	19483.6
75°	348.8	406.9	686.0	860.4	1770.2	4636.2	8664.9	14210.8	15515.9	14626.5
77.5°	264.5	319.7	566.8	566.8	616.2	1560.9	3669.7	7750.7	7149.0	5952.9
80°	168.6	218.0	495.6	428.7	257.2	396.8	956.3	2171.3	1518.7	1155.4
82.5°	98.8	142.4	412.8	283.4	143.9	146.8	270.3	462.2	393.9	306.7
85°	39.2	93.0	283.4	111.9	56.7	36.3	81.4	98.8	81.4	61.0
87.5°	0.0	21.8	49.4	0.0	4.4	2.9	5.8	7.3	7.3	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°
3589.8	0°	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8	3589.8
3592.7	2.5°	3605.8	3608.7	3617.4	3618.8	3598.5	3572.3	3562.2	3557.8	3540.4	3538.9
3615.9	5°	3649.4	3662.4	3649.4	3611.6	3521.5	3395.0	3299.1	3220.6	3149.4	3127.6
3695.9	7.5°	3736.6	3749.6	3710.4	3562.2	3335.4	3084.0	2857.3	2697.4	2553.5	2499.8
3793.2	10°	3861.5	3879.0	3755.4	3456.1	3054.9	2650.9	2267.2	1996.9	1786.2	1700.4
3925.5	12.5°	4018.5	4025.8	3780.2	3294.7	2690.1	2113.2	1569.6	1280.4	1092.9	1023.2
4085.4	15°	4191.5	4181.3	3783.1	3075.3	2193.1	1494.0	1024.6	841.5	765.9	742.7
4245.2	17.5°	4373.1	4331.0	3724.9	2758.5	1648.1	1021.7	760.1	716.5	703.4	697.6
4403.6	20°	4551.9	4457.4	3618.8	2344.2	1183.0	763.0	690.3	677.3	670.0	667.1
4563.5	22.5°	4714.7	4553.3	3437.2	1863.2	858.9	674.4	652.6	640.9	627.8	622.0
4719.0	25°	4873.1	4608.6	3181.4	1414.1	687.4	630.8	613.3	591.5	574.1	566.8
4886.2	27.5°	5027.1	4643.4	2861.6	1046.4	613.3	590.1	558.1	527.6	514.5	511.6
5064.9	30°	5191.4	4655.1	2498.3	780.4	568.3	539.2	492.7	457.8	450.5	452.0
5306.2	32.5°	5391.9	4672.5	2132.1	639.5	530.5	478.2	422.9	386.6	380.8	386.6
5657.9	35°	5631.7	4707.4	1778.9	588.6	497.0	415.7	356.1	325.5	319.7	324.1
6108.4	37.5°	5957.3	4764.1	1449.0	578.4	469.4	363.3	299.4	274.7	274.7	276.1
6660.7	40°	6390.4	4915.2	1154.0	571.2	454.9	324.1	252.9	242.7	247.1	250.0
7364.1	42.5°	6917.9	5236.4	954.8	562.4	438.9	306.7	229.6	225.3	232.5	235.4
8207.1	45°	7509.4	5643.3	885.1	547.9	424.4	318.3	219.5	213.6	222.4	223.8
9151.7	47.5°	8121.3	6041.6	876.4	531.9	409.8	335.7	216.5	203.5	213.6	215.1
10160.4	50°	8740.4	6301.7	885.1	507.2	386.6	335.7	218.0	193.3	202.0	206.4
11206.8	52.5°	9363.9	6420.9	879.3	453.4	345.9	315.4	218.0	184.6	193.3	196.2
12337.5	55°	9968.5	6397.6	790.6	373.5	293.6	279.0	212.2	177.3	183.1	184.6
13405.7	57.5°	10446.7	6073.5	626.4	290.7	238.3	232.5	193.3	168.6	172.9	171.5
14385.2	60°	10696.6	5361.4	447.6	223.8	187.5	183.1	170.0	157.0	159.9	152.6
15215.1	62.5°	10699.5	4419.6	299.4	177.3	149.7	145.3	145.3	141.0	138.1	123.5
15857.5	65°	10471.4	3374.7	199.1	141.0	120.6	113.4	122.1	120.6	110.5	90.1
16053.7	67.5°	9954.0	2212.0	151.1	110.5	93.0	88.7	97.4	101.7	94.5	75.6
15338.6	70°	8890.1	1287.7	125.0	85.7	69.8	65.4	78.5	87.2	78.5	61.0
13110.6	72.5°	7384.5	694.7	101.7	63.9	48.0	43.6	62.5	71.2	62.5	45.1
8412.0	75°	4791.7	372.1	78.5	42.1	24.7	27.6	46.5	52.3	43.6	29.1
2469.2	77.5°	1608.9	164.2	49.4	20.3	11.6	11.6	27.6	32.0	20.3	10.2
449.1	80°	359.0	68.3	20.3	8.7	4.4	4.4	5.8	5.8	2.9	0.0
138.1	82.5°	117.7	27.6	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
34.9	85°	45.1	10.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.6	87.5°	17.4	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

<u>180°</u>
3589.8
3541.8
3114.5
2478.0
1664.1
1001.4
742.7
696.2
664.2
620.6
563.9
508.7
452.0
385.1
322.6
274.7
250.0
235.4
225.3
216.5
207.8
196.2
184.6
171.5
151.1
119.2
87.2
74.1
58.1
43.6
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