

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: P942574

Luminaire Tested: **GALN-SB6C-927-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20186 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

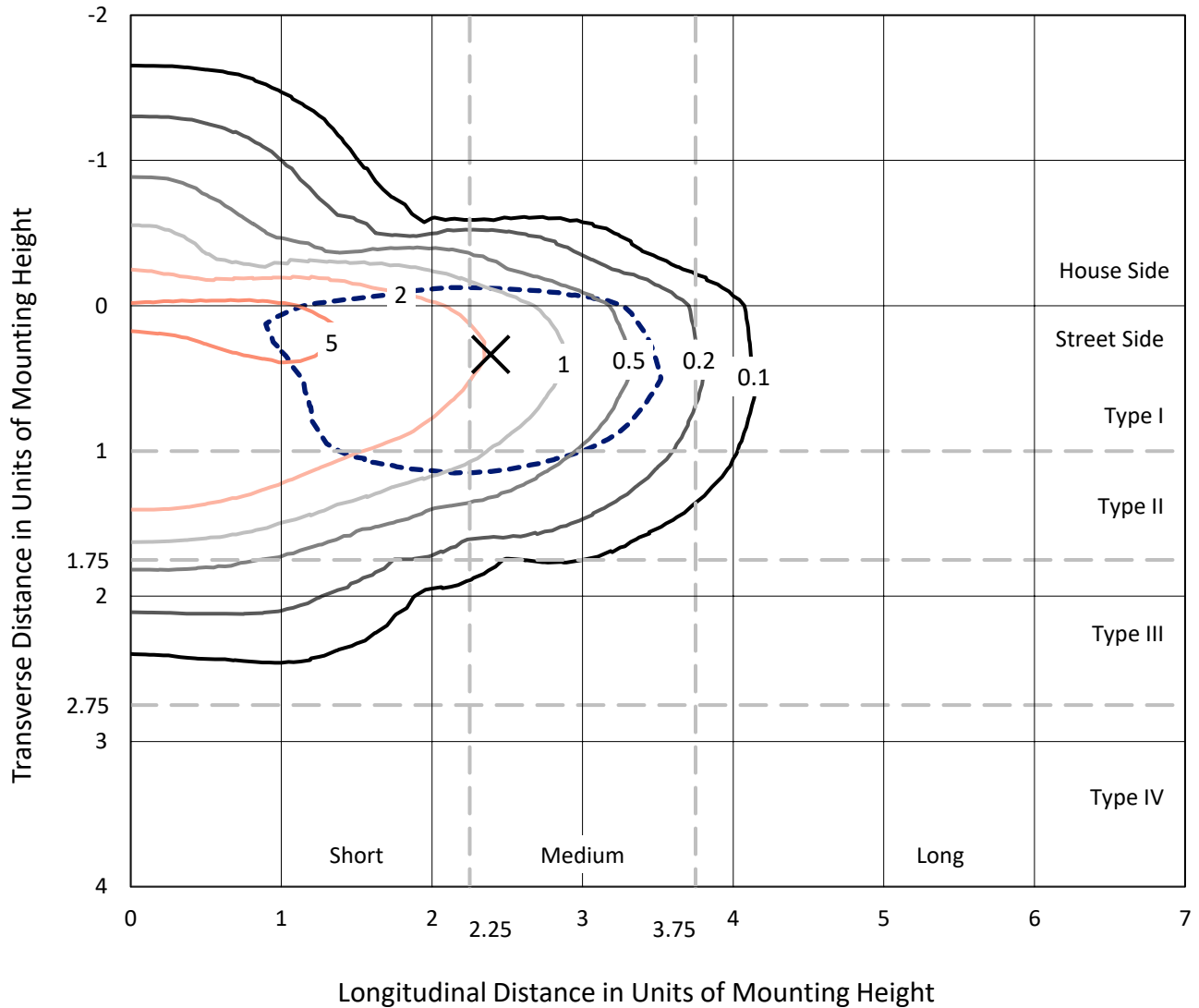
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

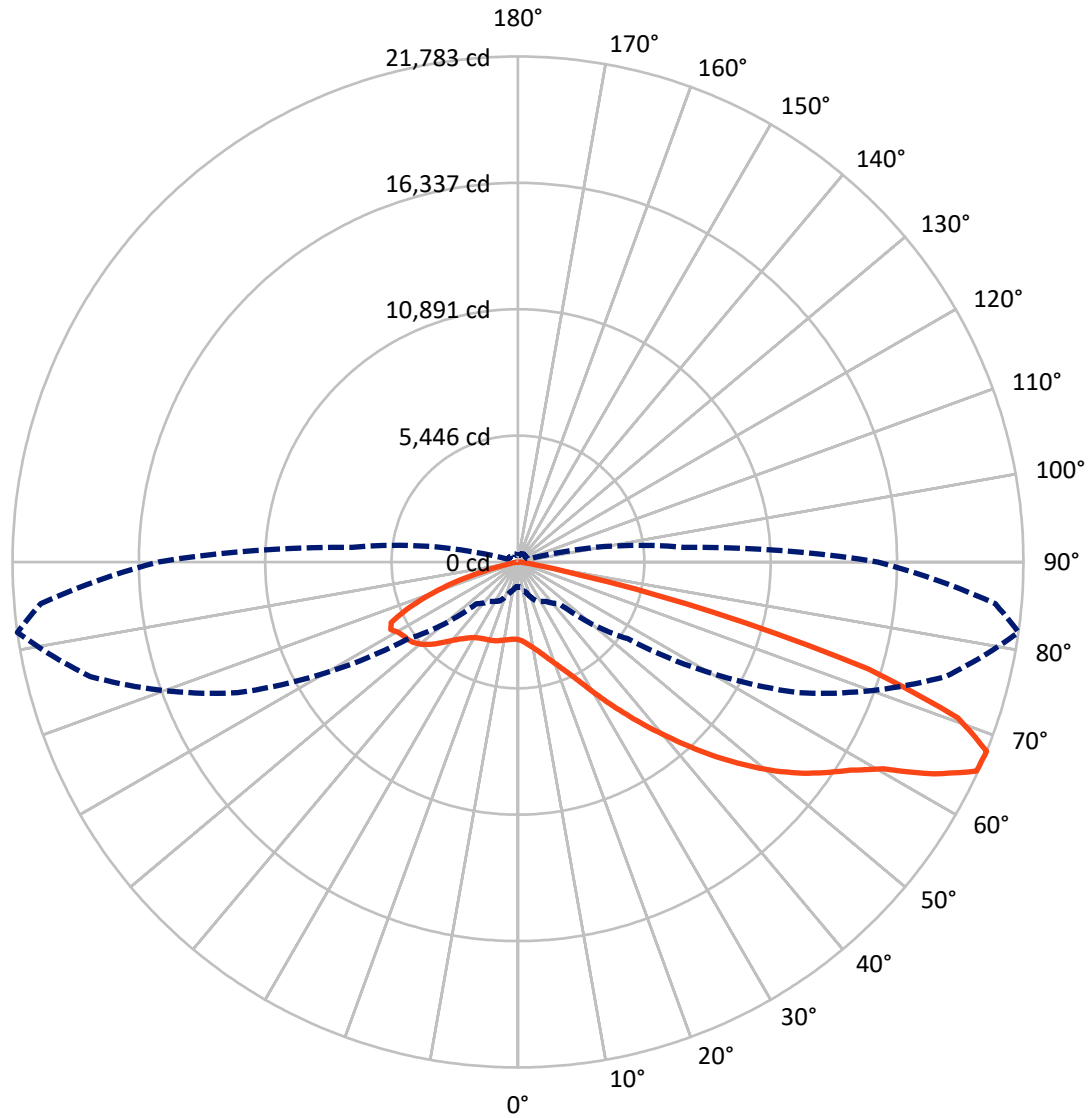
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3656.5	0.0	3656.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16529.5	0.0	16529.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	20186.0	0.0	20186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.9	1.5
10°-20°	774.2	3.8
20°-30°	1240.1	6.1
30°-40°	2192.8	10.9
40°-50°	3842.0	19.0
50°-60°	5124.1	25.4
60°-70°	4770.3	23.6
70°-80°	1830.8	9.1
80°-90°	113.7	0.6
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°	20186.0	100.0
0°-180°	20186.0	100.0

Coefficient of Utilization



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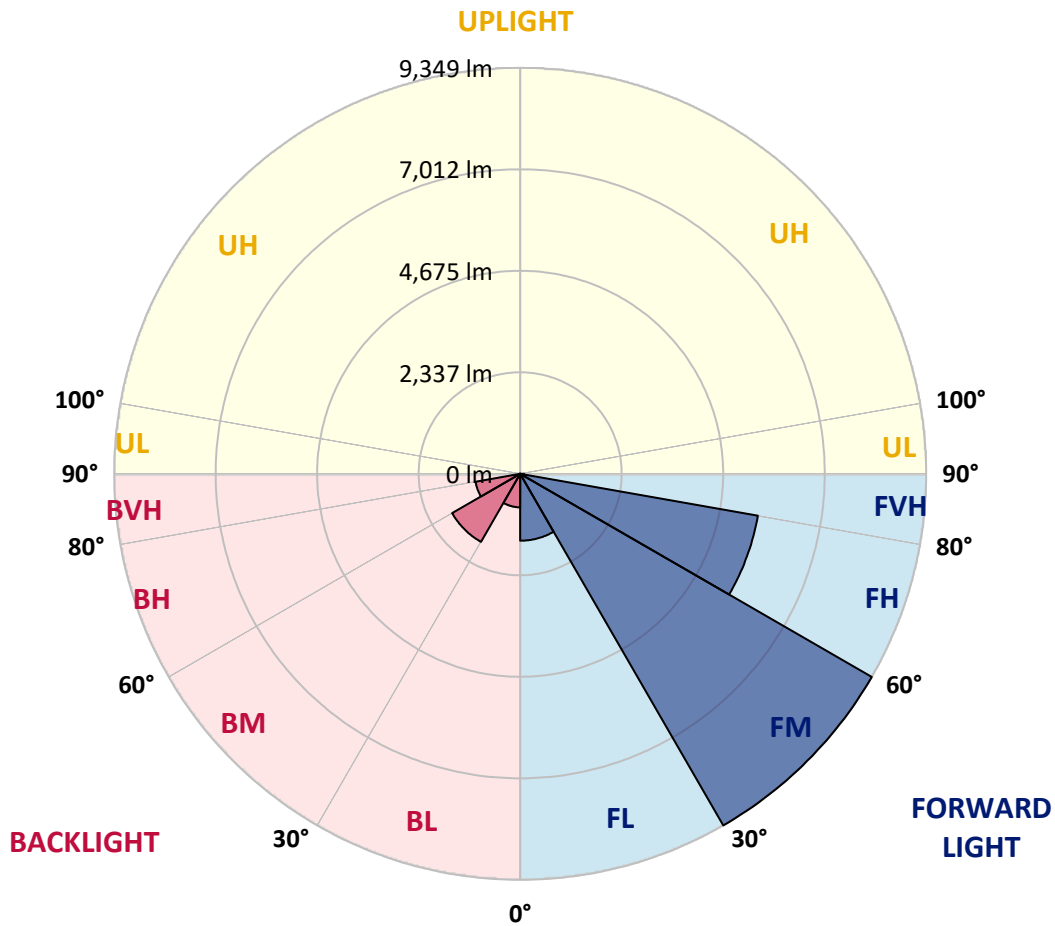
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1540.0	7.6			
FM (30°-60°)	9349.3	46.3			
FH (60°-80°)	5557.5	27.5			G3/7500
FVH (80°-90°)	82.7	0.4			G1/100
BL (0°-30°)	772.2	3.8	B2/1000		
BM (30°-60°)	1809.6	9.0	B2/2500		
BH (60°-80°)	1043.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	31.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1
2.5°	3534.5	3554.9	3543.2	3537.4	3527.3	3512.7	3501.1	3464.8	3427.0	3402.3
5°	3605.7	3626.1	3624.6	3630.4	3637.7	3642.1	3639.2	3598.5	3544.7	3502.6
7.5°	3544.7	3568.0	3586.8	3615.9	3666.8	3720.6	3746.7	3738.0	3682.8	3624.6
10°	3371.8	3396.5	3441.5	3509.8	3617.4	3733.6	3831.0	3876.1	3841.2	3777.2
12.5°	3054.9	3079.6	3168.3	3316.5	3496.7	3698.8	3884.8	4005.4	4014.1	3950.2
15°	2698.9	2723.6	2818.0	3004.1	3278.7	3602.8	3913.8	4142.0	4219.0	4163.8
17.5°	2477.9	2499.7	2571.0	2720.7	3007.0	3411.0	3903.7	4287.4	4463.2	4419.6
20°	2411.1	2430.0	2463.4	2568.1	2806.4	3211.9	3836.8	4424.0	4726.3	4701.6
22.5°	2482.3	2499.7	2509.9	2556.4	2706.1	3081.1	3752.5	4563.5	5031.5	5034.4
25°	2646.5	2664.0	2652.3	2681.4	2746.8	3040.4	3720.6	4727.7	5415.1	5447.1
27.5°	2916.9	2918.3	2890.7	2889.2	2899.4	3101.4	3754.0	4903.6	5899.1	5958.7
30°	3459.0	3437.2	3331.1	3216.2	3163.9	3284.6	3847.0	5111.4	6470.3	6576.4
32.5°	4294.6	4262.6	4067.9	3793.2	3517.1	3579.6	4014.1	5348.3	7092.3	7284.1
35°	5201.5	5192.8	4989.3	4580.9	4098.4	3999.6	4285.9	5659.3	7771.0	8076.2
37.5°	6044.4	6040.1	5923.8	5442.8	4855.6	4585.3	4721.9	6066.2	8497.7	8939.5
40°	6814.7	6827.8	6711.5	6281.3	5689.8	5336.7	5314.9	6569.1	9305.7	9879.8
42.5°	7480.3	7494.9	7377.2	7058.9	6513.9	6168.0	6043.0	7185.3	10094.9	10889.9
45°	7932.3	8022.4	8005.0	7750.7	7359.7	7000.7	6917.9	7958.5	10994.5	11961.0
47.5°	8060.2	8143.1	8273.9	8308.7	8070.4	7717.2	7816.1	8890.1	11904.3	13033.6
50°	7744.9	7821.9	8093.7	8455.5	8621.2	8512.2	8689.5	9888.5	12835.9	14103.2
52.5°	7122.8	7201.3	7544.3	8116.9	8792.7	9135.7	9565.9	10872.4	13738.4	15116.2
55°	6223.2	6306.0	6746.4	7394.6	8465.7	9392.9	10296.9	11854.9	14565.4	16027.4
57.5°	4999.5	5060.5	5518.3	6425.2	7643.1	9137.2	10836.1	12927.5	15344.4	16922.7
60°	3258.4	3312.2	3844.1	4855.6	6279.9	8282.6	10943.7	14123.6	16379.2	18086.8
62.5°	2166.9	2203.3	2518.6	3261.3	4422.5	6641.8	10314.4	15078.4	17896.4	20112.8
65°	1486.8	1523.1	1838.5	2355.9	2857.3	4393.4	8505.0	14952.0	19271.3	21721.6
67.5°	1060.9	1091.5	1358.9	1847.2	2068.1	2552.1	5765.4	13335.9	19073.6	21782.7
70°	760.1	777.5	998.4	1438.8	1643.7	1533.3	3206.1	10199.5	16700.3	20114.2
72.5°	531.9	537.7	693.2	1095.8	1324.0	1119.1	1526.0	6800.2	12631.0	15787.6
75°	360.4	367.7	466.5	803.7	1062.4	854.6	808.1	3646.4	7414.9	8738.9
77.5°	220.9	223.8	300.8	549.4	795.0	651.1	520.3	1544.9	2868.9	2816.6
80°	125.0	125.0	191.8	341.5	542.1	420.0	364.8	656.9	908.3	797.9
82.5°	69.8	71.2	139.5	212.2	359.0	248.5	200.6	303.7	392.4	347.3
85°	29.1	32.0	85.7	100.3	171.5	123.5	81.4	127.9	145.3	129.3
87.5°	2.9	4.4	26.2	18.9	20.3	24.7	11.6	24.7	20.3	20.3
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°
3344.1	0°	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1	3344.1
3393.6	2.5°	3365.9	3344.1	3288.9	3225.0	3140.7	3100.0	3044.7	3007.0	2975.0	2977.9
3477.8	5°	3431.3	3376.1	3252.6	3098.5	2906.7	2770.1	2624.7	2524.5	2443.1	2425.6
3594.1	7.5°	3521.4	3434.2	3217.7	2940.1	2616.0	2370.4	2150.9	2010.0	1909.7	1877.7
3735.1	10°	3637.7	3511.3	3172.6	2741.0	2274.5	1962.0	1726.6	1616.1	1547.8	1524.6
3900.8	12.5°	3772.9	3599.9	3113.1	2498.3	1922.8	1621.9	1472.2	1417.0	1395.2	1387.9
4104.2	15°	3942.9	3710.4	3022.9	2210.5	1624.8	1414.1	1350.2	1342.9	1345.8	1342.9
4348.4	17.5°	4144.9	3831.0	2876.2	1914.0	1424.3	1308.0	1284.8	1290.6	1297.8	1296.4
4621.6	20°	4365.8	3950.2	2688.7	1651.0	1287.7	1232.4	1219.4	1225.2	1231.0	1228.1
4937.0	22.5°	4617.3	4078.1	2480.9	1446.1	1196.1	1162.7	1148.1	1149.6	1149.6	1143.8
5336.7	25°	4918.1	4219.0	2262.9	1300.7	1126.3	1100.2	1082.7	1076.9	1068.2	1050.8
5822.1	27.5°	5277.1	4368.7	2053.6	1199.0	1071.1	1046.4	1026.1	1011.5	989.7	960.7
6404.9	30°	5681.1	4550.4	1876.3	1135.1	1027.5	1002.8	979.6	957.8	925.8	889.4
7074.9	32.5°	6156.4	4745.2	1746.9	1092.9	988.3	962.1	934.5	908.3	873.5	837.1
7827.7	35°	6723.2	4980.6	1671.3	1063.8	957.8	922.9	892.4	863.3	837.1	805.2
8645.9	37.5°	7337.9	5230.6	1648.1	1049.3	937.4	883.6	848.8	828.4	825.5	806.6
9531.0	40°	8010.8	5527.1	1665.5	1040.6	915.6	845.8	808.1	803.7	811.0	777.5
10477.1	42.5°	8723.0	5878.8	1694.6	1030.4	885.1	808.1	771.7	771.7	765.9	719.4
11477.0	45°	9493.2	6284.2	1723.7	1005.7	848.8	770.3	742.7	732.5	707.8	662.7
12482.7	47.5°	10269.3	6697.0	1745.5	960.7	805.2	738.3	713.6	690.3	654.0	613.3
13469.6	50°	11006.1	7067.6	1722.2	893.8	755.7	707.8	681.6	649.6	610.4	582.8
14404.1	52.5°	11664.5	7388.8	1623.4	815.3	703.4	675.8	652.5	619.1	587.1	558.1
15247.0	55°	12237.1	7648.9	1449.0	741.2	656.9	648.2	624.9	582.8	539.2	514.5
16082.7	57.5°	12786.5	7846.6	1231.0	680.2	614.8	617.7	582.8	545.0	504.3	478.1
17209.0	60°	13517.5	8111.1	1010.1	623.5	569.7	578.4	540.6	513.0	462.2	428.7
19140.5	62.5°	14686.0	8522.4	802.2	553.7	517.4	520.3	504.3	470.9	409.8	370.6
20572.0	65°	15613.2	8371.2	632.2	478.1	457.8	462.2	462.2	425.8	360.4	315.4
20649.1	67.5°	15508.6	7167.9	504.3	404.0	401.1	404.0	414.2	383.7	319.7	283.4
19076.6	70°	14286.3	5701.5	404.0	335.7	348.8	341.5	370.6	350.3	287.8	251.4
14789.2	72.5°	11657.2	4107.1	308.1	277.6	267.4	279.0	334.3	315.4	239.8	199.1
7833.5	75°	6811.8	2191.6	229.6	219.5	193.3	232.5	296.5	268.9	183.1	146.8
2400.9	77.5°	2217.8	764.5	168.6	161.3	143.9	187.5	252.9	226.7	149.7	116.3
703.4	80°	594.4	231.1	114.8	106.1	93.0	139.5	200.6	180.2	107.5	75.6
302.3	82.5°	238.3	97.4	66.9	59.6	50.9	95.9	158.4	145.3	79.9	48.0
94.5	85°	77.0	32.0	24.7	18.9	23.3	59.6	94.5	98.8	56.7	24.7
14.5	87.5°	10.2	4.4	4.4	5.8	4.4	10.2	29.1	27.6	16.0	2.9
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>
3344.1
2948.8
2386.4
1845.7
1507.1
1383.6
1341.4
1293.5
1226.6
1140.9
1047.9
957.8
886.5
838.6
802.2
805.2
779.0
719.4
661.3
611.9
578.4
555.2
511.6
475.2
424.4
367.7
311.0
277.6
247.1
194.7
142.4
111.9
74.1
48.0
18.9
0.0
0.0

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