

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: P948574

Luminaire Tested: **GALN-SB3C-830-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-830-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20068 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

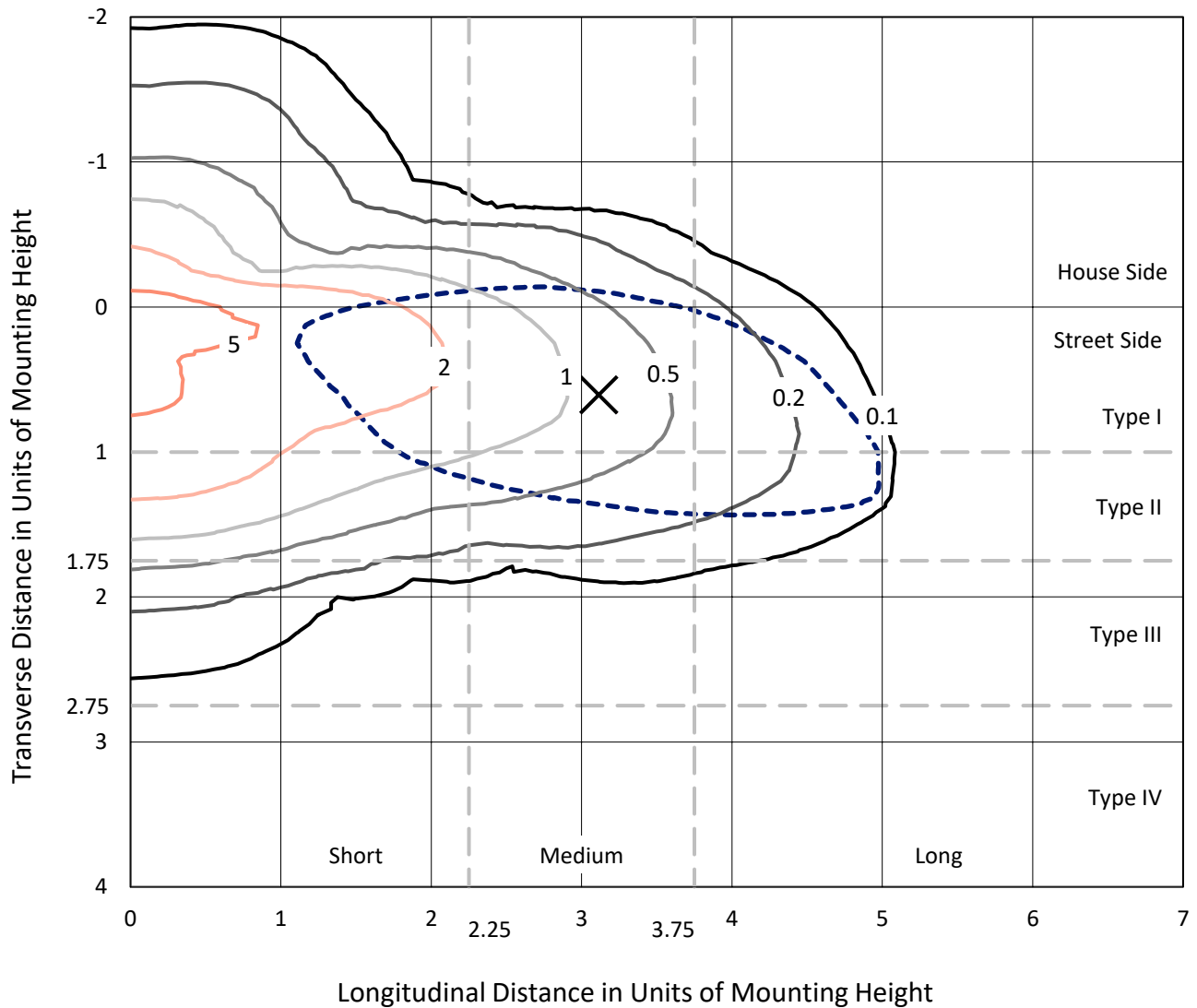
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

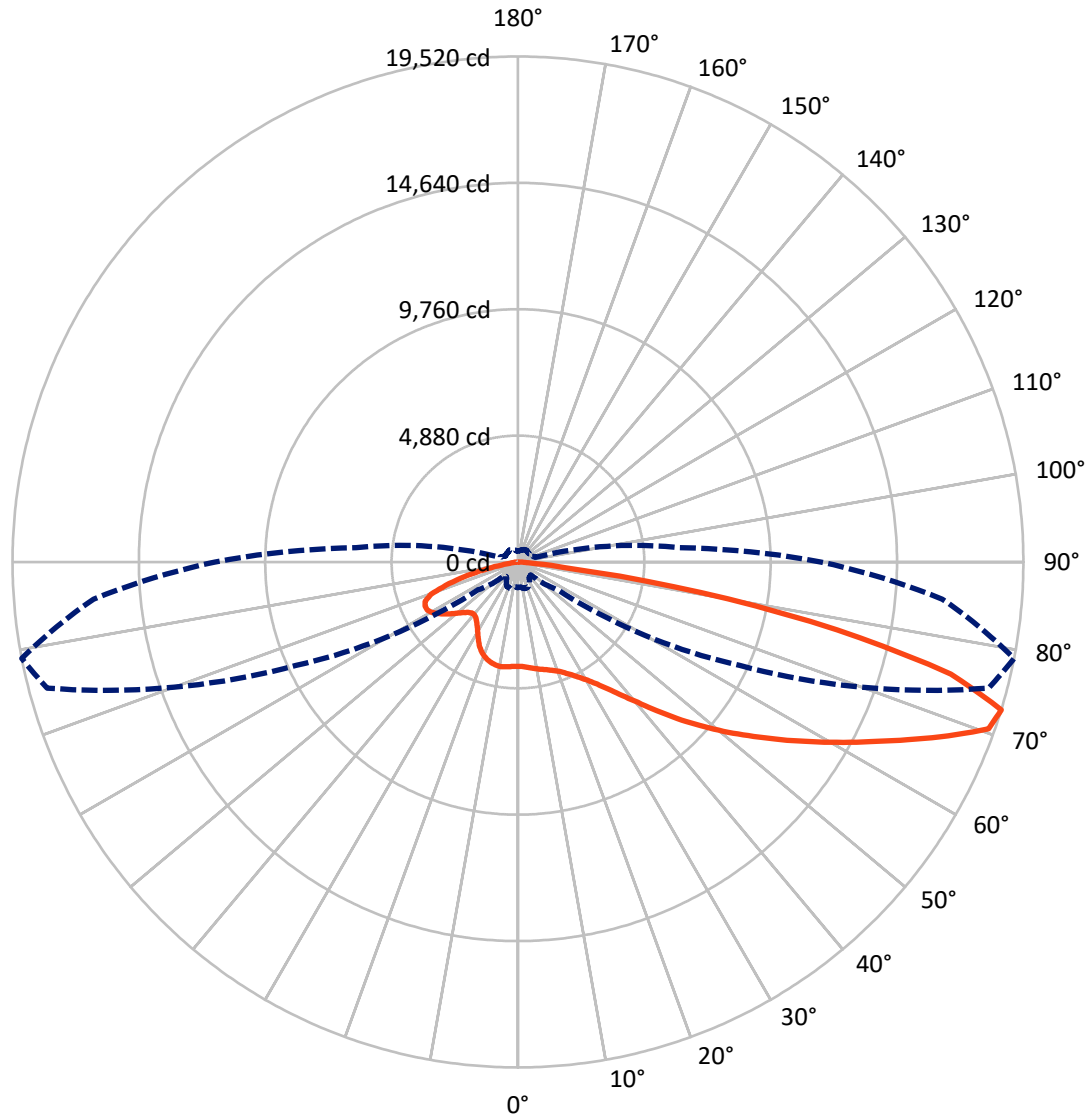
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4416.1	0.0	4416.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	15651.9	0.0	15651.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	20068.0	0.0	20068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.7	1.8
10°-20°	956.0	4.8
20°-30°	1542.7	7.7
30°-40°	2315.3	11.5
40°-50°	3284.4	16.4
50°-60°	4147.8	20.7
60°-70°	4212.6	21.0
70°-80°	2871.1	14.3
80°-90°	372.5	1.9
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°	20068.0	100.0
0°-180°	20068.0	100.0

Coefficient of Utilization



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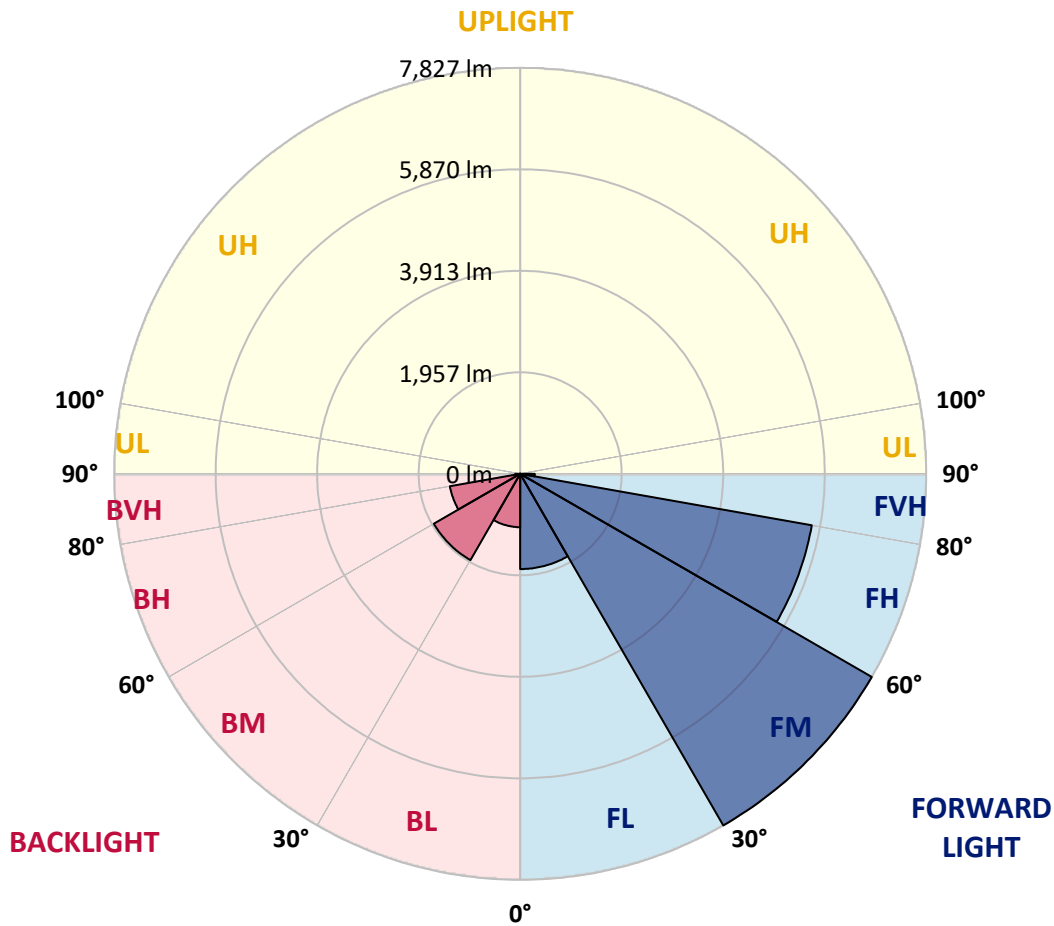
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1835.7	9.1			
FM (30°-60°)	7826.9	39.0			
FH (60°-80°)	5708.7	28.4			G3/7500
FVH (80°-90°)	280.6	1.4			G3/500
BL (0°-30°)	1028.6	5.1	B3/2500		
BM (30°-60°)	1920.5	9.6	B2/2500		
BH (60°-80°)	1375.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	91.9	0.5			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°	79°
0°	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5
2.5°	4030.6	4011.5	4023.2	4018.9	4024.2	4030.6	4032.7	4035.9	4046.5	4045.4
5°	4022.1	4003.0	4018.9	4013.6	4027.4	4042.3	4055.0	4066.7	4083.7	4091.1
7.5°	4004.0	3991.3	4007.2	4023.2	4048.6	4070.9	4089.0	4115.5	4139.9	4144.2
10°	3899.0	3889.4	3926.6	3968.0	4038.0	4098.5	4137.8	4168.6	4195.1	4199.4
12.5°	3789.6	3777.9	3819.3	3875.6	3989.2	4098.5	4181.3	4221.7	4245.0	4258.8
15°	3771.6	3762.0	3785.4	3834.2	3928.7	4069.9	4211.0	4285.3	4305.5	4321.4
17.5°	3858.6	3840.6	3850.1	3867.1	3922.3	4043.3	4234.4	4357.5	4388.3	4405.3
20°	4060.3	4034.8	4020.0	3986.0	3976.4	4047.6	4232.3	4444.6	4484.9	4506.1
22.5°	4328.9	4311.9	4280.0	4194.1	4100.6	4099.6	4272.6	4556.0	4631.4	4651.6
25°	4653.7	4628.2	4587.9	4471.1	4291.7	4202.5	4340.5	4698.3	4824.6	4829.9
27.5°	5027.3	4989.1	4933.9	4780.0	4538.0	4363.9	4444.6	4861.8	5046.5	5044.3
30°	5421.2	5383.0	5324.6	5137.7	4833.1	4581.5	4588.9	5038.0	5309.7	5298.0
32.5°	5708.8	5680.2	5668.5	5524.1	5172.8	4838.4	4754.5	5233.3	5634.5	5623.9
35°	5929.6	5892.5	5906.3	5833.0	5543.2	5126.1	4957.3	5465.8	6029.4	6028.4
37.5°	6148.3	6115.4	6127.1	6078.3	5886.1	5491.2	5204.6	5750.2	6518.8	6542.1
40°	6347.9	6312.8	6359.6	6313.9	6152.6	5879.7	5485.9	6071.9	7085.6	7130.2
42.5°	6467.8	6440.2	6517.7	6518.8	6384.0	6207.8	5794.8	6426.4	7741.6	7841.4
45°	6509.2	6499.7	6616.4	6640.9	6588.8	6397.8	6072.9	6812.8	8448.6	8627.0
47.5°	6464.6	6446.6	6607.9	6698.2	6739.6	6486.9	6303.3	7231.1	9170.5	9431.6
50°	6239.6	6204.6	6444.5	6634.5	6782.0	6545.3	6535.8	7714.1	9991.0	10276.6
52.5°	5835.2	5808.6	6081.4	6411.6	6688.6	6574.0	6796.9	8241.6	10770.2	11139.6
55°	5318.2	5283.2	5583.6	6014.6	6456.2	6564.4	7058.0	8831.8	11689.4	12064.2
57.5°	4498.7	4428.7	4808.7	5318.2	6077.2	6552.7	7329.8	9418.8	12623.6	13072.6
60°	3303.4	3199.4	3665.4	4269.4	5336.3	6439.2	7666.3	10077.0	13744.5	14149.0
62.5°	1923.5	1863.0	2167.6	2731.3	4022.1	5770.4	7855.2	10842.3	14846.4	15271.0
65°	1493.6	1476.6	1503.1	1546.6	2238.7	4320.4	7272.5	11588.6	16247.6	16544.8
67.5°	1366.2	1353.4	1365.1	1283.4	1135.8	2406.5	5753.4	11777.5	17748.6	17929.0
70°	1214.4	1199.5	1237.7	1167.7	893.8	1094.4	3717.4	11091.8	18942.8	19281.4
72.5°	989.3	972.4	1061.5	1029.7	752.6	702.7	1867.2	9462.4	18817.5	19520.3
75°	760.0	750.5	856.6	883.2	613.6	553.1	895.9	7033.6	16559.7	17267.7
77.5°	590.2	582.8	636.9	733.5	494.7	428.9	550.9	4461.6	12479.2	12603.4
80°	442.7	421.4	471.3	567.9	385.3	313.1	373.7	2601.8	7888.1	7150.4
82.5°	277.1	266.4	307.8	379.0	271.7	215.5	243.1	1437.3	3161.2	1861.9
85°	158.2	153.9	167.7	216.5	147.6	124.2	139.1	634.8	577.5	397.0
87.5°	63.7	61.6	76.4	96.6	54.1	45.6	48.8	152.9	127.4	117.8
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°
4028.5	0°	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5	4028.5
4044.4	2.5°	4040.1	4040.1	4025.3	4001.9	3975.4	3958.4	3930.8	3923.4	3894.7	3886.2
4080.5	5°	4089.0	4080.5	4034.8	3969.0	3878.8	3796.0	3704.7	3647.4	3566.7	3538.0
4151.6	7.5°	4150.5	4127.2	4048.6	3904.3	3715.3	3529.5	3336.4	3189.9	3049.7	2999.8
4210.0	10°	4206.8	4173.9	4040.1	3787.5	3460.5	3138.9	2831.1	2615.6	2452.1	2385.2
4274.7	12.5°	4263.1	4202.5	3983.9	3593.2	3098.6	2662.3	2334.3	2166.6	2065.7	1985.0
4327.8	15°	4316.1	4231.2	3896.8	3333.2	2701.6	2258.9	2016.9	1883.1	1802.5	1749.4
4405.3	17.5°	4377.7	4255.6	3766.3	3003.0	2323.7	1979.7	1782.3	1701.6	1685.7	1679.3
4511.5	20°	4463.7	4277.9	3594.3	2633.6	2045.5	1756.8	1654.9	1647.5	1646.4	1643.2
4638.8	22.5°	4556.0	4304.5	3367.1	2298.2	1808.8	1617.8	1599.7	1584.8	1575.3	1574.2
4792.8	25°	4665.4	4312.9	3082.6	2023.3	1607.1	1551.9	1530.7	1508.4	1502.0	1502.0
4967.9	27.5°	4771.5	4284.3	2751.5	1784.4	1493.6	1491.4	1463.8	1456.4	1455.3	1458.5
5167.5	30°	4877.7	4230.1	2422.4	1563.6	1427.7	1427.7	1418.2	1423.5	1427.7	1438.4
5441.3	32.5°	5021.0	4172.8	2147.5	1400.1	1370.4	1359.8	1369.4	1380.0	1384.2	1398.0
5801.2	35°	5231.2	4132.5	1928.8	1311.0	1311.0	1297.2	1302.5	1300.4	1290.8	1284.4
6236.4	37.5°	5509.3	4130.4	1748.3	1269.6	1261.1	1259.0	1260.0	1246.2	1209.1	1164.5
6762.9	40°	5843.7	4187.7	1609.3	1240.9	1234.5	1247.3	1240.9	1203.8	1101.9	1024.4
7410.5	42.5°	6292.7	4351.2	1520.1	1205.9	1225.0	1240.9	1215.4	1087.0	1018.0	966.0
8148.2	45°	6821.3	4616.5	1474.4	1168.7	1206.9	1226.1	1102.9	1046.7	991.5	928.8
8952.8	47.5°	7420.0	4950.9	1463.8	1133.7	1166.6	1178.3	1055.1	1029.7	967.0	899.1
9761.7	50°	8071.8	5346.9	1492.5	1092.3	1108.2	1067.9	1039.2	1015.9	951.1	884.2
10590.8	52.5°	8745.8	5783.1	1549.8	1036.0	1049.8	1005.3	1032.9	1012.7	941.6	851.3
11447.4	55°	9408.2	6222.6	1605.0	970.2	990.4	949.0	1014.8	999.9	898.0	796.1
12361.4	57.5°	10081.2	6660.0	1659.2	911.8	933.1	894.9	986.2	966.0	849.2	745.2
13359.2	60°	10780.8	7084.6	1684.6	855.6	870.4	845.0	942.6	907.6	794.0	693.2
14340.0	62.5°	11435.7	7438.1	1643.2	799.3	808.9	798.3	885.3	838.6	738.8	634.8
15362.3	65°	12092.8	7648.2	1515.8	744.1	746.2	740.9	804.6	764.3	674.1	583.8
16257.1	67.5°	12688.3	7766.1	1313.1	684.7	679.4	677.2	729.3	683.6	611.4	532.9
16937.6	70°	12814.6	7466.7	1003.1	614.6	614.6	609.3	646.5	599.8	542.4	478.7
16450.3	72.5°	11704.3	6281.0	712.3	535.0	543.5	532.9	563.7	524.4	472.4	429.9
14177.6	75°	9438.0	4605.9	518.0	453.3	468.1	450.1	478.7	451.1	406.6	405.5
9770.2	77.5°	6484.8	2848.1	375.8	373.7	384.3	360.9	393.8	379.0	338.6	320.6
4252.4	80°	2767.4	1135.8	273.9	288.7	288.7	267.5	305.7	310.0	274.9	266.4
820.6	82.5°	550.9	322.7	192.1	198.5	186.8	180.5	216.5	239.9	331.2	368.3
247.3	85°	165.6	118.9	115.7	108.3	95.5	96.6	127.4	241.0	297.2	169.8
81.7	87.5°	45.6	29.7	30.8	24.4	20.2	26.5	43.5	182.6	99.8	42.5
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>
4028.5
3900.0
3559.3
3006.2
2400.1
2011.6
1758.9
1683.6
1653.8
1585.9
1508.4
1467.0
1445.8
1409.7
1299.3
1165.5
1022.2
963.9
924.6
893.8
876.8
845.0
790.8
743.1
690.0
633.7
577.5
526.5
476.6
417.2
365.2
300.4
266.4
369.4
146.5
36.1
0.0

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