

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: P943262

Luminaire Tested: **GALN-SB7C-930-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36727 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

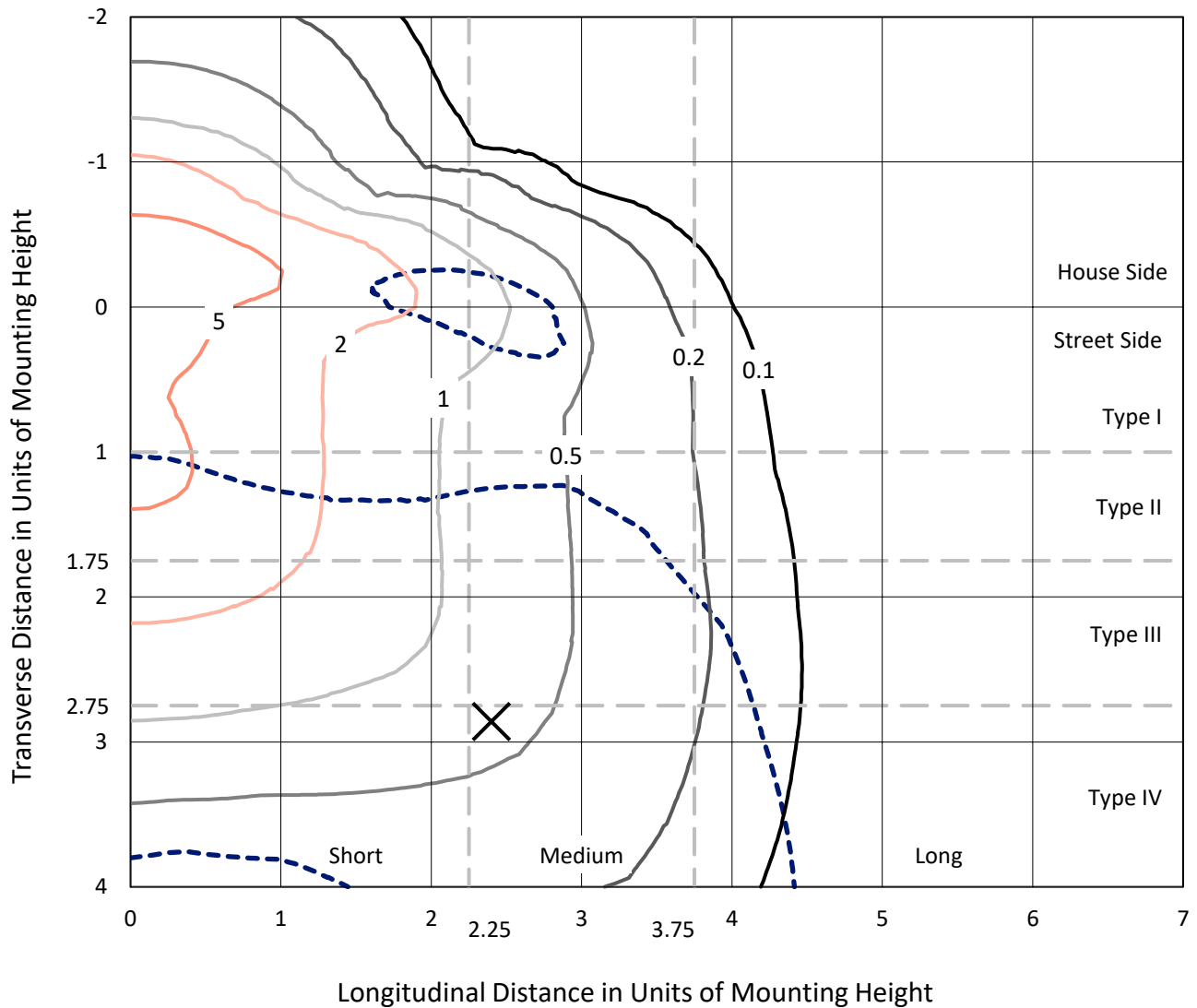
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

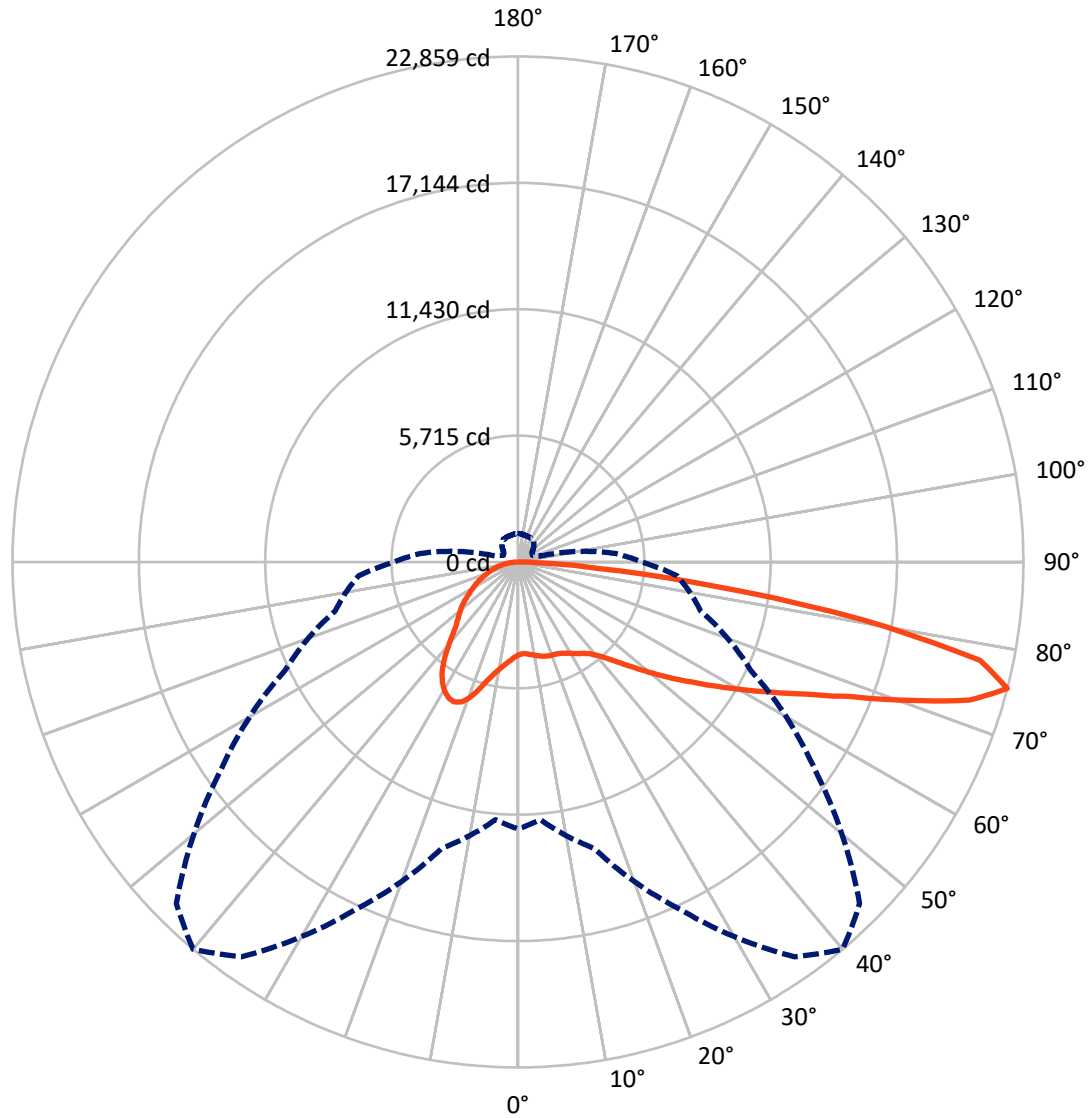
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11379.2	0.0	11379.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	25347.8	0.0	25347.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	36727.0	0.0	36727.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.2	1.1
10°-20°	1407.5	3.8
20°-30°	2570.0	7.0
30°-40°	3645.0	9.9
40°-50°	4921.8	13.4
50°-60°	6621.1	18.0
60°-70°	8403.7	22.9
70°-80°	7626.9	20.8
80°-90°	1111.8	3.0
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°	36727.0	100.0
0°-180°	36727.0	100.0

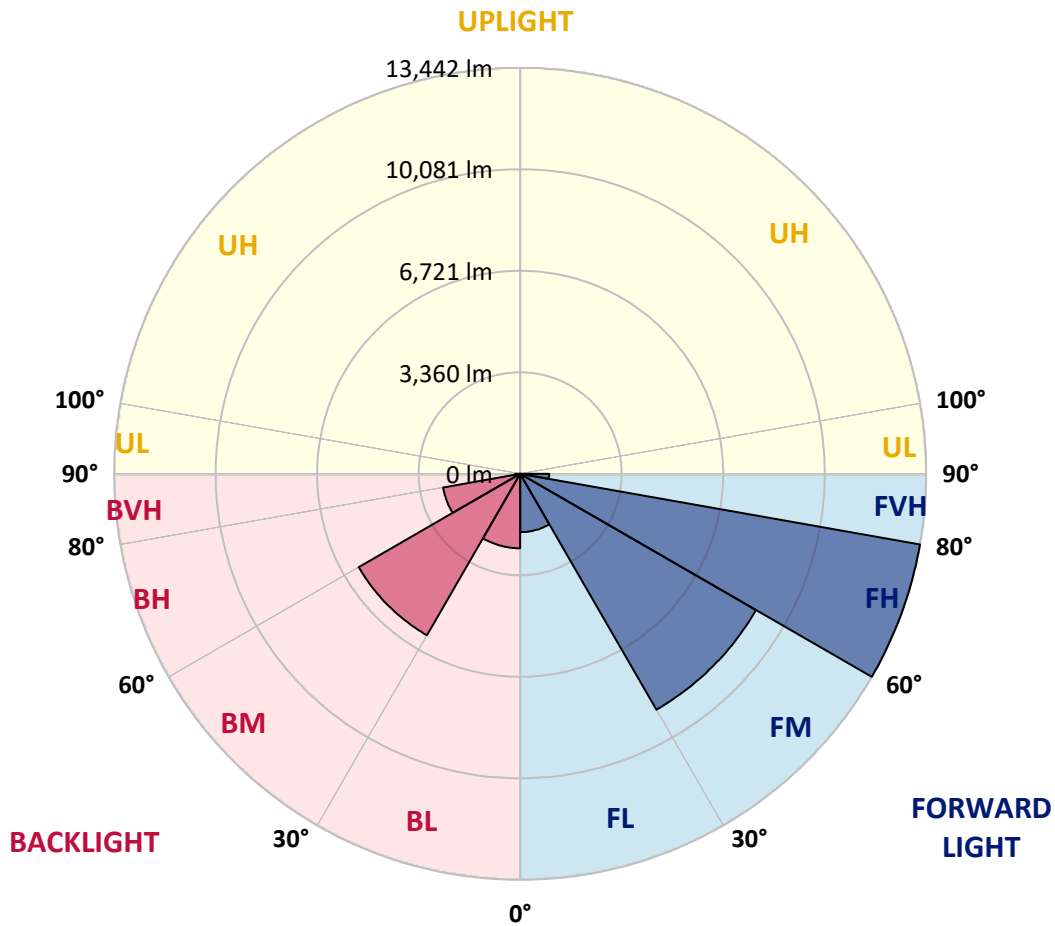


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.9	5.3			
FM (30°-60°)	9015.7	24.5			
FH (60°-80°)	13441.5	36.6			G5
FVH (80°-90°)	958.7	2.6			G5
BL (0°-30°)	2464.8	6.7	B3/2500		
BM (30°-60°)	6172.2	16.8	B4/8500		
BH (60°-80°)	2589.1	7.0	B4/5000		G4/5000
BVH (80°-90°)	153.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8
2.5°	4135.5	4158.9	4153.0	4145.2	4145.2	4147.2	4145.2	4158.9	4172.5	4186.1
5°	4178.4	4201.7	4190.0	4180.3	4172.5	4170.6	4164.7	4162.8	4170.6	4188.1
7.5°	4262.1	4285.5	4268.0	4250.4	4234.8	4227.1	4219.3	4207.6	4201.7	4211.5
10°	4355.6	4379.0	4357.6	4326.4	4301.1	4291.3	4283.5	4271.9	4264.1	4269.9
12.5°	4449.1	4472.5	4443.3	4400.4	4367.3	4361.5	4351.7	4347.8	4345.9	4343.9
15°	4536.8	4556.3	4519.2	4468.6	4433.5	4423.8	4414.1	4419.9	4429.6	4441.3
17.5°	4605.0	4624.4	4569.9	4503.7	4470.5	4466.7	4460.8	4480.3	4507.6	4536.8
20°	4667.3	4686.8	4616.6	4527.0	4488.1	4488.1	4490.0	4530.9	4569.9	4612.7
22.5°	4754.9	4770.5	4684.8	4562.1	4505.6	4509.5	4525.1	4566.0	4614.7	4673.1
25°	4885.5	4897.1	4792.0	4628.3	4564.0	4575.7	4589.4	4608.9	4655.6	4723.8
27.5°	5095.8	5105.6	4967.3	4745.2	4647.8	4667.3	4686.8	4673.1	4694.6	4753.0
30°	5391.9	5397.8	5222.5	4928.3	4790.0	4799.8	4803.6	4747.2	4706.2	4753.0
32.5°	5742.6	5740.6	5532.2	5150.4	4951.7	4942.0	4908.8	4797.8	4702.4	4743.3
35°	6286.0	6264.6	5995.8	5462.1	5134.8	5074.4	4996.5	4854.3	4721.8	4733.5
37.5°	7186.0	7119.8	6747.7	5972.4	5407.5	5253.6	5138.7	4945.8	4764.7	4729.6
40°	8200.9	8117.1	7708.0	6671.7	5816.6	5569.2	5384.1	5076.4	4834.8	4747.2
42.5°	9404.7	9285.9	8845.6	7495.7	6334.7	5976.3	5697.8	5241.9	4938.1	4803.6
45°	10883.2	10725.4	10102.1	8424.9	6987.3	6510.1	6138.0	5493.2	5095.8	4912.7
47.5°	12377.3	12416.2	11529.9	9488.5	7770.4	7168.5	6689.3	5871.1	5325.7	5088.0
50°	13964.9	13992.1	12950.0	10667.0	8658.6	7912.6	7308.7	6293.8	5645.2	5337.4
52.5°	15203.8	15207.6	14239.5	11900.0	9583.9	8730.7	7976.9	6776.9	6015.3	5668.5
55°	15979.0	15969.3	15143.4	13066.9	10647.5	9589.8	8717.1	7326.2	6467.2	6058.1
57.5°	16542.0	16512.8	15766.7	14070.0	11781.2	10604.6	9554.7	7949.6	7000.9	6521.7
60°	16756.3	16738.7	16189.4	14936.9	12973.4	11726.7	10520.9	8647.0	7606.7	7069.1
62.5°	16838.1	16871.2	16604.3	15776.5	14249.3	12969.5	11582.5	9480.7	8288.5	7688.6
65°	17126.4	17186.8	17132.2	16875.1	15690.7	14424.6	12990.9	10472.2	9032.6	8352.8
67.5°	17697.1	17757.5	17780.9	18190.0	17451.7	16238.1	14747.9	11707.2	9903.4	9042.4
70°	17683.5	17666.0	18078.9	19236.0	19656.8	18749.0	17116.6	13226.6	10941.6	9615.1
72.5°	16095.9	15955.7	16931.6	19224.3	21491.7	21371.0	20009.3	15186.2	11837.7	9685.2
75°	12075.3	11701.3	13425.3	17325.1	21797.6	22859.2	21848.2	16401.7	11625.4	8557.3
77.5°	5164.0	4788.1	6819.8	12825.3	19508.7	21369.0	20161.3	14309.6	9280.0	5658.8
80°	1351.9	1349.9	2060.9	5814.6	13267.5	15780.3	13844.1	9241.1	5302.3	2022.0
82.5°	559.1	545.4	757.8	2261.6	6482.8	8855.4	7226.9	4121.9	1914.8	547.4
85°	208.4	206.5	368.2	781.1	2286.9	3652.4	2643.4	1053.8	477.2	266.9
87.5°	58.4	56.5	79.9	270.8	557.1	845.4	451.9	173.4	134.4	105.2
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°
4199.8	0°	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8	4199.8
4207.6	2.5°	4213.4	4223.2	4240.7	4254.3	4271.9	4291.3	4318.6	4336.1	4353.7	4365.4
4217.3	5°	4230.9	4252.4	4297.2	4342.0	4394.6	4443.3	4499.8	4540.7	4573.8	4583.5
4252.4	7.5°	4269.9	4305.0	4380.9	4456.9	4540.7	4620.5	4702.4	4772.5	4829.0	4850.4
4314.7	10°	4338.1	4384.8	4492.0	4599.1	4710.1	4832.9	4938.1	5039.3	5119.2	5152.3
4388.7	12.5°	4423.8	4482.2	4622.5	4770.5	4924.4	5093.9	5230.2	5354.9	5454.3	5499.1
4492.0	15°	4534.8	4610.8	4790.0	4988.7	5214.7	5450.4	5623.7	5762.0	5873.1	5927.6
4599.1	17.5°	4655.6	4756.9	4982.9	5282.8	5606.2	5915.9	6118.5	6219.8	6334.7	6387.3
4698.5	20°	4772.5	4897.1	5220.5	5656.8	6087.3	6416.5	6580.2	6607.4	6615.2	6621.1
4792.0	22.5°	4893.3	5060.8	5518.5	6128.3	6589.9	6817.8	6841.2	6724.3	6560.7	6484.7
4883.5	25°	5025.7	5247.8	5908.1	6648.4	7022.4	7049.6	6870.4	6586.0	6276.3	6134.1
4957.5	27.5°	5154.3	5464.0	6375.6	7145.1	7334.0	7094.4	6708.7	6305.5	5931.5	5781.5
5010.1	30°	5282.8	5711.4	6891.8	7579.5	7476.2	6983.4	6453.6	6003.6	5627.6	5469.8
5056.9	32.5°	5413.4	5999.7	7486.0	7893.1	7450.9	6747.7	6136.0	5664.6	5333.5	5167.9
5097.8	35°	5561.4	6354.2	8048.9	8064.5	7281.4	6401.0	5717.2	5259.5	4971.2	4838.7
5146.5	37.5°	5754.2	6804.2	8545.7	8107.4	6985.4	5892.6	5197.1	4780.3	4542.6	4482.2
5218.6	40°	5993.8	7345.7	8925.5	8039.2	6547.1	5275.1	4628.3	4295.2	4160.8	4174.5
5316.0	42.5°	6305.5	7951.5	9192.4	7863.9	5937.4	4638.1	4129.7	3981.6	4045.9	4100.4
5462.1	45°	6710.7	8580.7	9358.0	7565.8	5247.8	4098.5	3835.5	3870.6	3919.3	3925.1
5697.8	47.5°	7228.8	9217.7	9467.0	7115.9	4544.6	3718.6	3648.5	3656.3	3646.6	3605.7
6050.3	50°	7875.6	9837.2	9564.4	6519.8	3946.5	3481.0	3387.5	3360.2	3225.8	3093.3
6519.8	52.5°	8611.9	10406.0	9605.3	5779.6	3481.0	3282.3	3130.4	2958.9	2707.7	2666.7
7110.0	55°	9430.0	10931.9	9500.2	4869.9	3089.4	3027.1	2797.3	2590.8	2563.5	2528.4
7887.3	57.5°	10407.9	11498.8	9285.9	3855.0	2688.2	2729.1	2505.1	2528.4	2479.7	2425.2
8886.6	60°	11477.3	12085.1	8909.9	2929.7	2273.3	2357.0	2429.1	2427.1	2413.5	2368.7
9940.4	62.5°	12439.6	12470.8	8169.7	2244.0	1909.0	2068.7	2265.5	2263.5	2251.8	2226.5
11041.0	65°	13012.3	12412.3	6934.7	1766.8	1609.0	1831.1	2043.4	2059.0	2060.9	2059.0
11868.9	67.5°	12911.0	11728.6	5240.0	1406.4	1361.6	1589.5	1823.3	1844.7	1860.3	1864.2
11974.1	70°	11765.6	10226.7	3416.7	1122.0	1141.5	1377.2	1614.9	1636.3	1649.9	1665.5
10390.4	72.5°	9171.0	7519.1	1955.7	907.7	948.7	1194.1	1408.4	1433.7	1441.5	1470.7
7230.8	75°	5588.7	4421.8	1055.8	714.9	779.2	1020.7	1203.8	1233.1	1246.7	1281.8
3551.1	77.5°	2657.0	1914.8	601.9	557.1	627.2	833.7	1016.8	1049.9	1012.9	1032.4
979.8	80°	898.0	711.0	379.9	424.7	479.2	650.6	814.2	847.4	769.4	765.5
325.3	82.5°	313.6	288.3	241.5	282.5	309.7	465.6	615.6	658.4	572.7	570.7
146.1	85°	122.7	116.9	134.4	153.9	185.1	286.3	405.2	426.6	352.6	284.4
42.9	87.5°	25.3	27.3	33.1	35.1	56.5	99.3	146.1	179.2	142.2	120.8
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>
4199.8
4357.6
4587.4
4852.3
5154.3
5499.1
5923.7
6385.4
6636.7
6506.2
6155.5
5799.0
5487.4
5189.3
4867.9
4525.1
4221.2
4151.1
3964.1
3636.8
3110.9
2680.4
2534.3
2415.5
2353.1
2216.8
2059.0
1868.1
1673.3
1482.4
<i>1285.6</i>
1016.8
757.8
543.5
280.5
111.0
0.0

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