

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: P952669

Luminaire Tested: **GALN-SB6B-950-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952669
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-SB6B-950-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23611 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

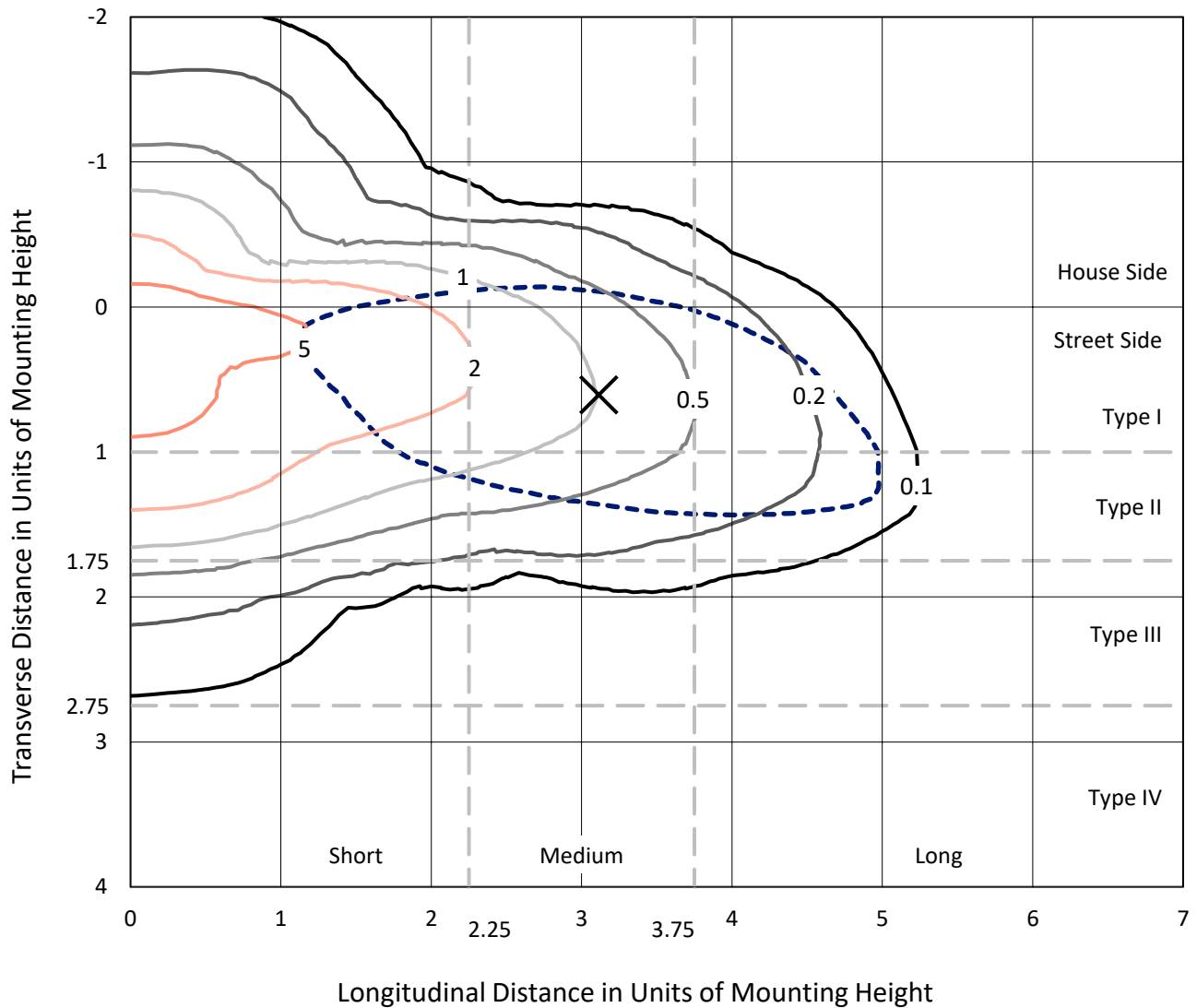
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

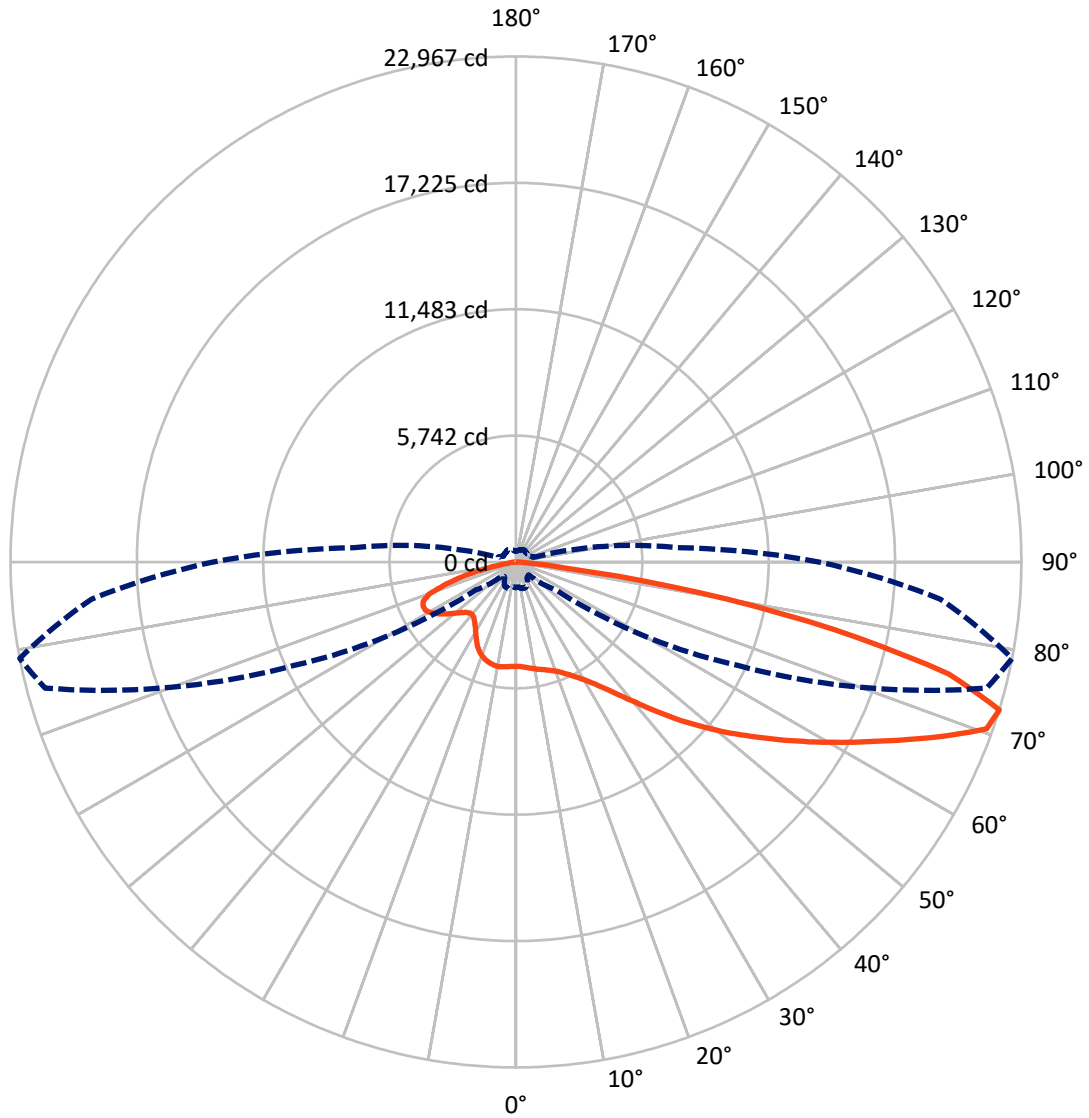
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	5195.7	0.0	5195.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	18415.3	0.0	18415.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	23611.0	0.0	23611.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.2	1.8
10°-20°	1124.8	4.8
20°-30°	1815.0	7.7
30°-40°	2724.1	11.5
40°-50°	3864.3	16.4
50°-60°	4880.0	20.7
60°-70°	4956.3	21.0
70°-80°	3378.0	14.3
80°-90°	438.3	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°	23611.0	100.0
0°-180°	23611.0	100.0

Coefficient of Utilization



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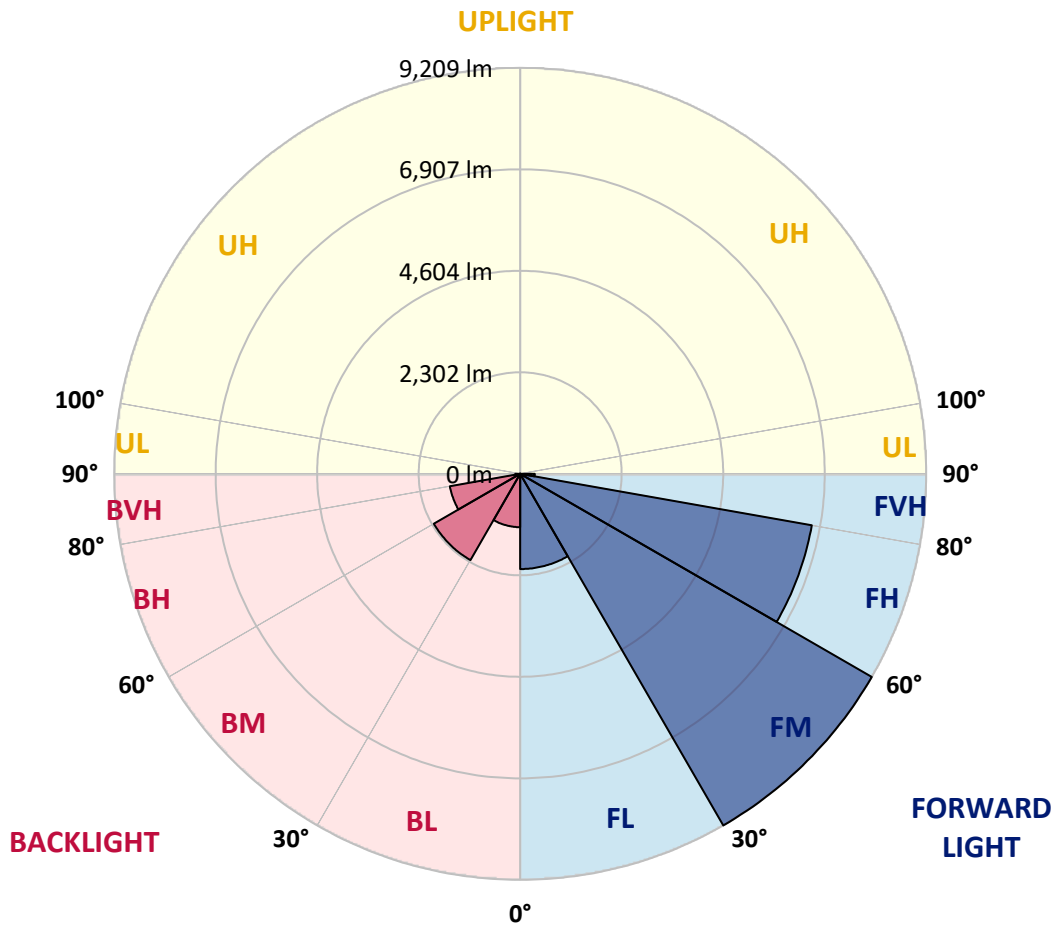
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2159.8	9.1			
FM (30°-60°)	9208.8	39.0			
FH (60°-80°)	6716.5	28.4			G3/7500
FVH (80°-90°)	330.1	1.4			G3/500
BL (0°-30°)	1210.2	5.1	B3/2500		
BM (30°-60°)	2259.6	9.6	B2/2500		
BH (60°-80°)	1617.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	108.1	0.5			G2/225
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°	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7
2.5°	4742.2	4719.7	4733.4	4728.4	4734.7	4742.2	4744.7	4748.4	4760.9	4759.7
5°	4732.2	4709.7	4728.4	4722.2	4738.4	4755.9	4770.9	4784.6	4804.6	4813.4
7.5°	4711.0	4696.0	4714.7	4733.4	4763.4	4789.6	4810.9	4842.1	4870.8	4875.8
10°	4587.3	4576.1	4619.8	4668.5	4750.9	4822.1	4868.3	4904.5	4935.8	4940.8
12.5°	4458.7	4444.9	4493.6	4559.8	4693.5	4822.1	4919.5	4967.0	4994.5	5010.7
15°	4437.4	4426.2	4453.7	4511.1	4622.3	4788.4	4954.5	5041.9	5065.7	5084.4
17.5°	4539.9	4518.6	4529.9	4549.8	4614.8	4757.2	4982.0	5126.9	5163.1	5183.1
20°	4777.2	4747.2	4729.7	4689.7	4678.5	4762.2	4979.5	5229.3	5276.7	5301.7
22.5°	5093.1	5073.1	5035.7	4934.5	4824.6	4823.4	5026.9	5360.4	5449.1	5472.8
25°	5475.3	5445.3	5397.9	5260.5	5049.4	4944.5	5106.9	5527.8	5676.4	5682.6
27.5°	5914.9	5870.0	5805.0	5623.9	5339.2	5134.3	5229.3	5720.1	5937.4	5934.9
30°	6378.3	6333.3	6264.6	6044.8	5686.4	5390.4	5399.1	5927.4	6247.1	6233.4
32.5°	6716.7	6683.0	6669.3	6499.4	6086.0	5692.6	5594.0	6157.2	6629.3	6616.8
35°	6976.5	6932.8	6949.0	6862.9	6521.9	6031.1	5832.5	6430.7	7093.9	7092.7
37.5°	7233.8	7195.1	7208.8	7151.4	6925.3	6460.7	6123.5	6765.4	7669.7	7697.1
40°	7468.6	7427.4	7482.3	7428.6	7238.8	6917.8	6454.5	7143.9	8336.6	8389.1
42.5°	7609.7	7577.2	7668.4	7669.7	7511.1	7303.7	6817.9	7561.0	9108.4	9225.8
45°	7658.4	7647.2	7784.6	7813.3	7752.1	7527.3	7145.1	8015.6	9940.2	10150.0
47.5°	7606.0	7584.7	7774.6	7880.7	7929.4	7632.2	7416.1	8507.7	10789.5	11096.7
50°	7341.2	7300.0	7582.2	7805.8	7979.4	7700.9	7689.7	9076.0	11754.9	12090.9
52.5°	6865.4	6834.1	7155.1	7543.5	7869.5	7734.6	7996.9	9696.7	12671.6	13106.3
55°	6257.1	6215.9	6569.4	7076.4	7596.0	7723.4	8304.1	10391.1	13753.2	14194.1
57.5°	5293.0	5210.5	5657.6	6257.1	7150.1	7709.6	8623.9	11081.7	14852.3	15380.6
60°	3886.7	3764.3	4312.6	5023.2	6278.4	7576.0	9019.8	11856.1	16171.1	16647.0
62.5°	2263.1	2191.9	2550.3	3213.5	4732.2	6789.2	9242.1	12756.6	17467.5	17967.1
65°	1757.2	1737.3	1768.5	1819.7	2634.0	5083.1	8556.4	13634.6	19116.1	19465.8
67.5°	1607.4	1592.4	1606.1	1510.0	1336.4	2831.3	6769.2	13856.9	20882.1	21094.4
70°	1428.8	1411.3	1456.3	1373.8	1051.6	1287.6	4373.7	13050.1	22287.1	22685.5
72.5°	1164.0	1144.0	1248.9	1211.5	885.5	826.8	2196.9	11132.9	22139.8	22966.5
75°	894.2	883.0	1007.9	1039.1	721.9	650.7	1054.1	8275.4	19483.3	20316.3
77.5°	694.4	685.7	749.4	863.0	582.0	504.6	648.2	5249.2	14682.4	14828.5
80°	520.8	495.8	554.5	668.2	453.4	368.4	439.6	3061.1	9280.8	8412.8
82.5°	326.0	313.5	362.2	445.9	319.7	253.5	286.0	1691.0	3719.3	2190.6
85°	186.1	181.1	197.3	254.8	173.6	146.1	163.6	746.9	679.4	467.1
87.5°	74.9	72.4	89.9	113.7	63.7	53.7	57.5	179.8	149.9	138.6
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°
4739.7	0°	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7	4739.7
4758.4	2.5°	4753.4	4753.4	4735.9	4708.5	4677.2	4657.3	4624.8	4616.0	4582.3	4572.3
4800.9	5°	4810.9	4800.9	4747.2	4669.7	4563.6	4466.2	4358.8	4291.3	4196.4	4162.7
4884.6	7.5°	4883.3	4855.8	4763.4	4593.6	4371.2	4152.7	3925.4	3753.0	3588.2	3529.5
4953.3	10°	4949.5	4910.8	4753.4	4456.2	4071.5	3693.1	3330.9	3077.4	2885.0	2806.3
5029.4	12.5°	5015.7	4944.5	4687.2	4227.6	3645.6	3132.3	2746.4	2549.1	2430.4	2335.5
5091.9	15°	5078.1	4978.2	4584.8	3921.6	3178.5	2657.7	2373.0	2215.6	2120.7	2058.2
5183.1	17.5°	5150.6	5007.0	4431.2	3533.2	2733.9	2329.3	2097.0	2002.0	1983.3	1975.8
5307.9	20°	5251.7	5033.2	4228.9	3098.6	2406.7	2067.0	1947.1	1938.3	1937.1	1933.3
5457.8	22.5°	5360.4	5064.4	3961.6	2703.9	2128.2	1903.4	1882.1	1864.7	1853.4	1852.2
5638.9	25°	5489.0	5074.4	3626.9	2380.5	1890.9	1825.9	1801.0	1774.7	1767.2	1767.2
5845.0	27.5°	5613.9	5040.7	3237.2	2099.4	1757.2	1754.7	1722.3	1713.5	1712.3	1716.0
6079.8	30°	5738.8	4977.0	2850.1	1839.7	1679.8	1679.8	1668.6	1674.8	1679.8	1692.3
6402.0	32.5°	5907.4	4909.5	2526.6	1647.3	1612.4	1599.9	1611.1	1623.6	1628.6	1644.8
6825.4	35°	6154.7	4862.1	2269.3	1542.4	1542.4	1526.2	1532.4	1529.9	1518.7	1511.2
7337.5	37.5°	6481.9	4859.6	2057.0	1493.7	1483.7	1481.2	1482.5	1466.2	1422.5	1370.1
7956.9	40°	6875.4	4927.0	1893.4	1460.0	1452.5	1467.5	1460.0	1416.3	1296.4	1205.2
8718.8	42.5°	7403.6	5119.4	1788.5	1418.8	1441.3	1460.0	1430.0	1278.9	1197.7	1136.5
9586.8	45°	8025.6	5431.6	1734.8	1375.1	1420.0	1442.5	1297.6	1231.4	1166.5	1092.8
10533.5	47.5°	8730.0	5825.0	1722.3	1333.9	1372.6	1386.3	1241.4	1211.5	1137.8	1057.8
11485.1	50°	9496.9	6290.9	1756.0	1285.1	1303.9	1256.4	1222.7	1195.2	1119.0	1040.4
12460.6	52.5°	10289.9	6804.2	1823.4	1219.0	1235.2	1182.7	1215.2	1191.5	1107.8	1001.6
13468.4	55°	11069.3	7321.2	1888.4	1141.5	1165.3	1116.5	1194.0	1176.5	1056.6	936.7
14543.8	57.5°	11861.1	7835.8	1952.1	1072.8	1097.8	1052.8	1160.3	1136.5	999.1	876.7
15717.8	60°	12684.1	8335.3	1982.0	1006.6	1024.1	994.1	1109.0	1067.8	934.2	815.6
16871.8	62.5°	13454.7	8751.2	1933.3	940.4	951.7	939.2	1041.6	986.7	869.3	746.9
18074.5	65°	14227.8	8998.5	1783.5	875.5	878.0	871.8	946.7	899.2	793.1	686.9
19127.3	67.5°	14928.4	9137.2	1544.9	805.6	799.3	796.8	858.0	804.3	719.4	627.0
19927.9	70°	15077.1	8785.0	1180.2	723.1	723.1	716.9	760.6	705.6	638.2	563.3
19354.6	72.5°	13770.7	7389.9	838.0	629.5	639.5	627.0	663.2	617.0	555.8	505.8
16680.7	75°	11104.2	5419.1	609.5	533.3	550.8	529.5	563.3	530.8	478.3	477.1
11495.1	77.5°	7629.7	3350.9	442.1	439.6	452.1	424.6	463.4	445.9	398.4	377.2
5003.2	80°	3256.0	1336.4	322.2	339.7	339.7	314.7	359.7	364.7	323.5	313.5
965.4	82.5°	648.2	379.7	226.1	233.5	219.8	212.3	254.8	282.3	389.7	433.4
291.0	85°	194.8	139.9	136.1	127.4	112.4	113.7	149.9	283.5	349.7	199.8
96.2	87.5°	53.7	35.0	36.2	28.7	23.7	31.2	51.2	214.8	117.4	50.0
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>
4739.7
4588.6
4187.7
3537.0
2823.8
2366.7
2069.5
1980.8
1945.8
1865.9
1774.7
1726.0
1701.0
1658.6
1528.7
1371.3
1202.7
1134.0
1087.8
1051.6
1031.6
994.1
930.5
874.2
811.8
745.6
679.4
619.5
560.8
490.8
429.6
353.4
313.5
434.6
172.4
42.5
0.0

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