

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: P952039

Luminaire Tested: **GALN-SB6A-735-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952039
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-SB6A-735-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27037 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

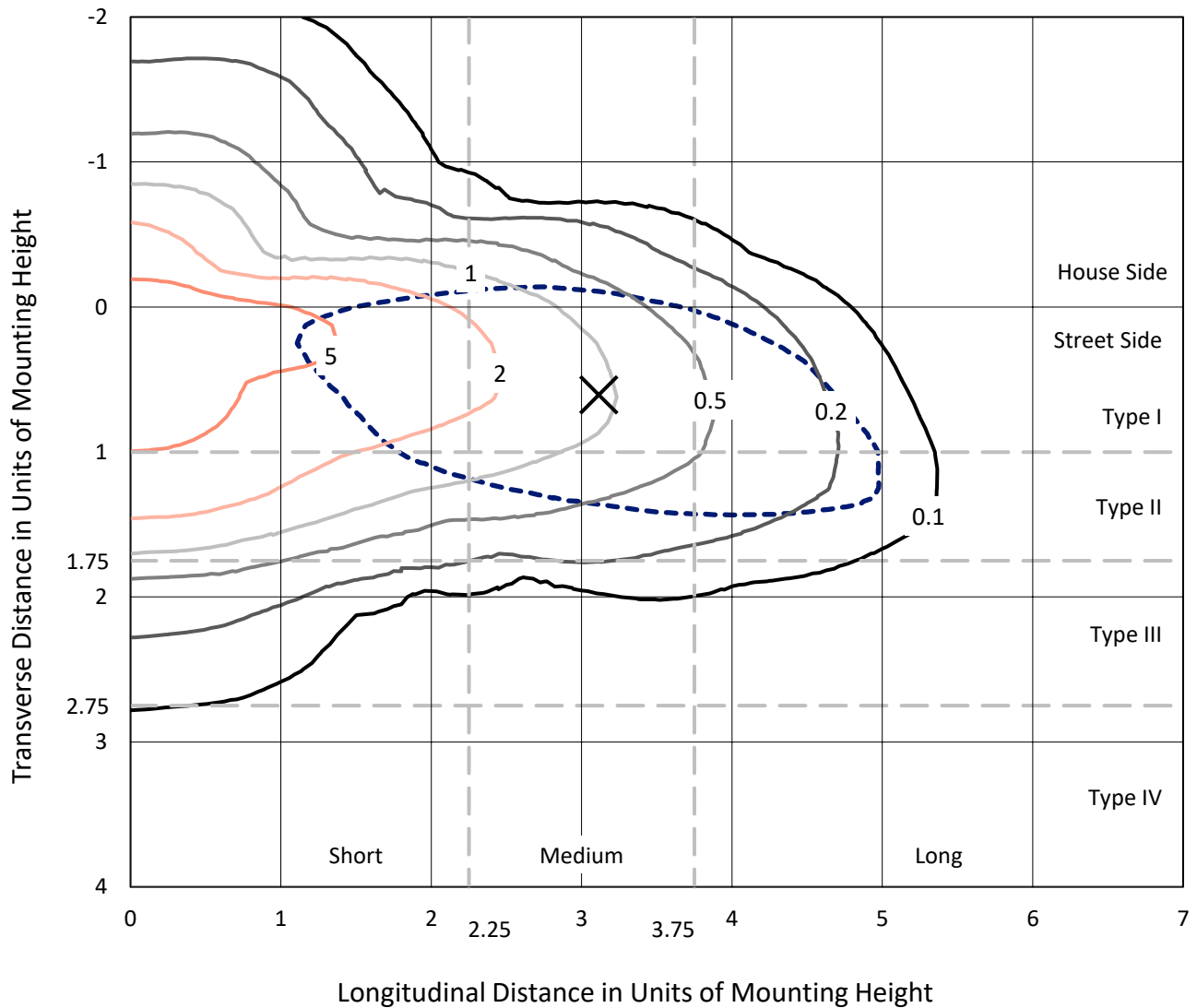
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952039
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Iso-Footcandle Lines of Horizontal Illumination

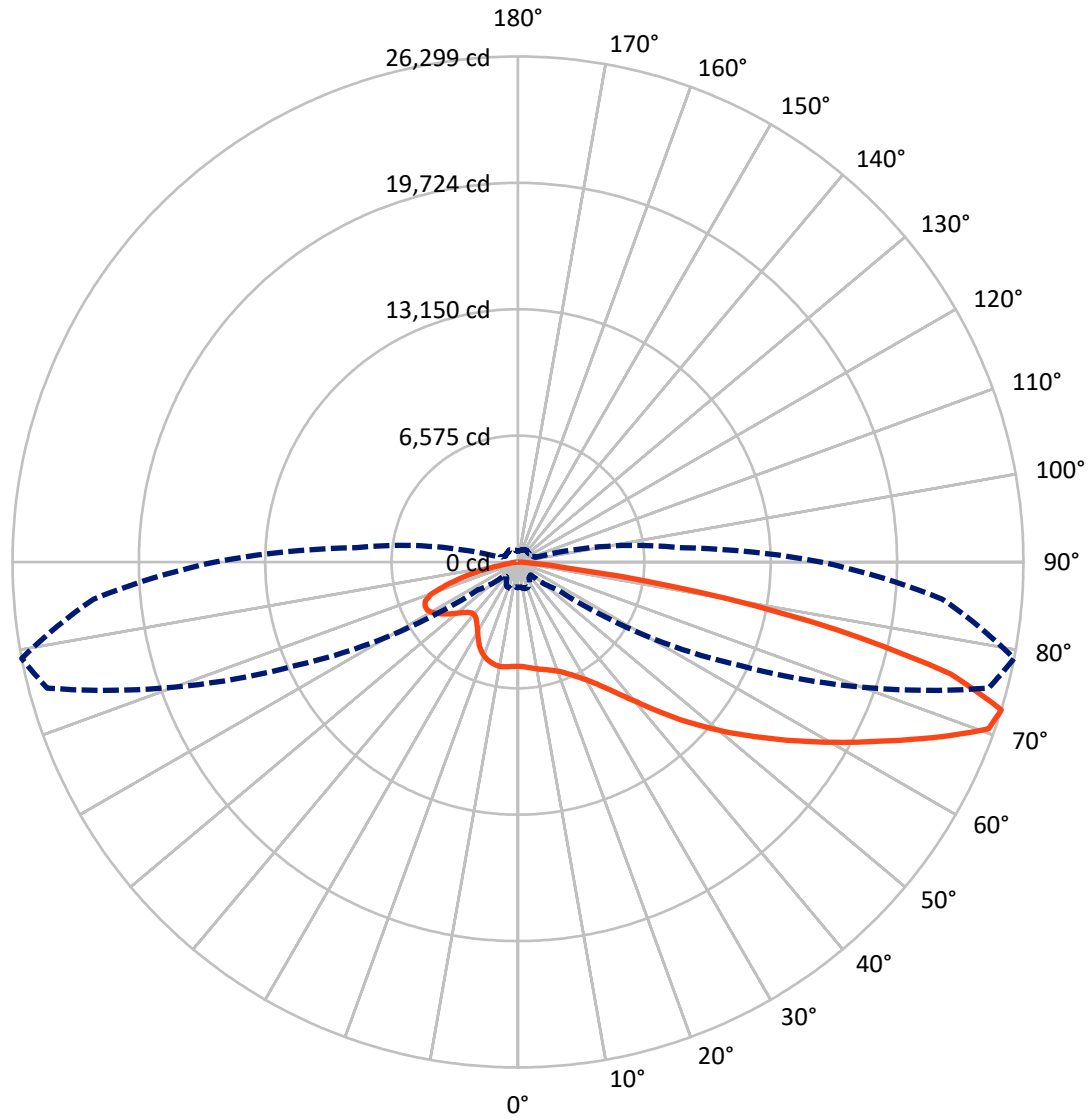
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P952039
CATALOG NUMBER: GALN-SB6A-735-U-SL2

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	5949.6	0.0	5949.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	21087.4	0.0	21087.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	27037.0	0.0	27037.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.7	1.8
10°-20°	1288.0	4.8
20°-30°	2078.4	7.7
30°-40°	3119.3	11.5
40°-50°	4425.0	16.4
50°-60°	5588.1	20.7
60°-70°	5675.5	21.0
70°-80°	3868.1	14.3
80°-90°	501.9	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°	27037.0	100.0
0°-180°	27037.0	100.0



REPORT NUMBER: P952039

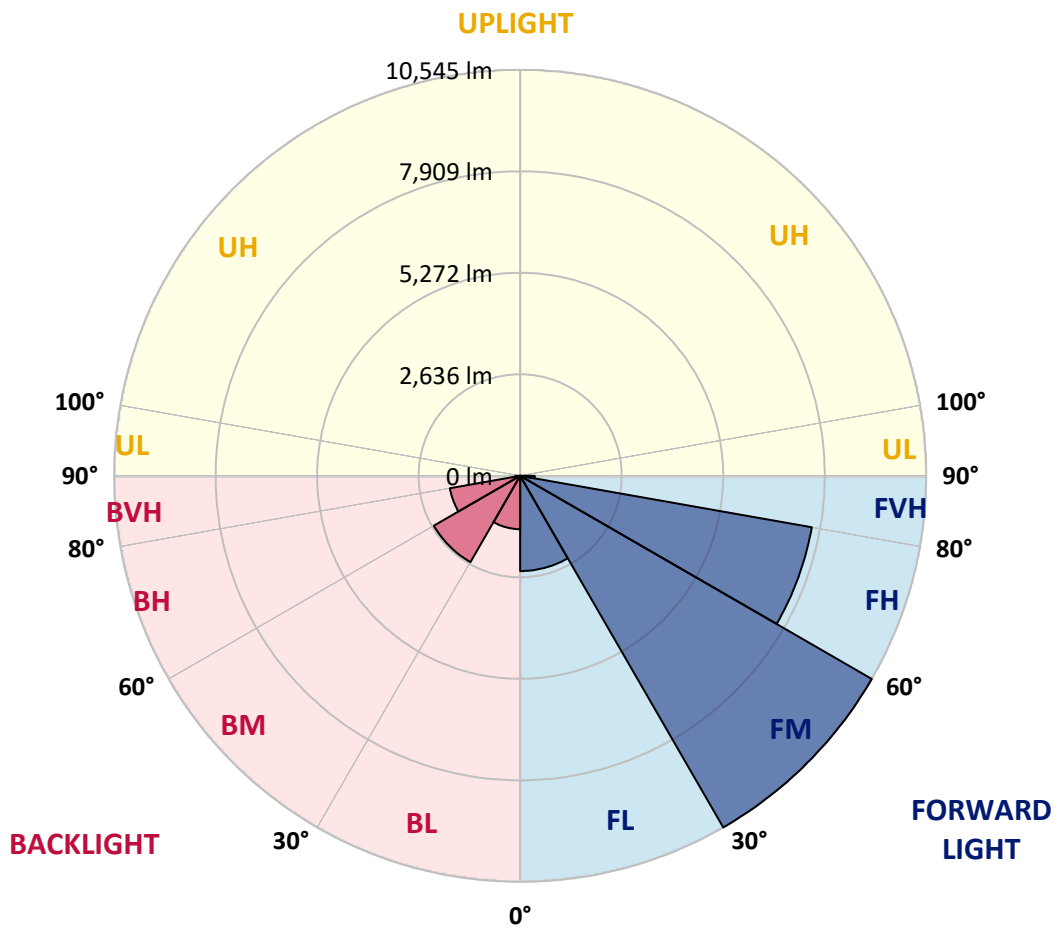
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2473.2	9.1			
FM (30°-60°)	10545.0	39.0			
FH (60°-80°)	7691.1	28.4			G4/12000
FVH (80°-90°)	378.0	1.4			G3/500
BL (0°-30°)	1385.8	5.1	B3/2500		
BM (30°-60°)	2587.5	9.6	B3/5000		
BH (60°-80°)	1852.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	123.8	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-G4

Type II Medium



REPORT NUMBER: P952039

CATALOG NUMBER: GALN-SB6A-735-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4
2.5°	5430.3	5404.5	5420.3	5414.5	5421.7	5430.3	5433.1	5437.4	5451.7	5450.3
5°	5418.8	5393.1	5414.5	5407.4	5426.0	5446.0	5463.2	5478.9	5501.8	5511.8
7.5°	5394.5	5377.4	5398.8	5420.3	5454.6	5484.6	5508.9	5544.7	5577.6	5583.3
10°	5252.9	5240.1	5290.1	5345.9	5440.3	5521.8	5574.7	5616.2	5652.0	5657.7
12.5°	5105.6	5089.9	5145.7	5221.5	5374.5	5521.8	5633.4	5687.7	5719.2	5737.8
15°	5081.3	5068.5	5099.9	5165.7	5293.0	5483.2	5673.4	5773.5	5800.7	5822.1
17.5°	5198.6	5174.3	5187.2	5210.0	5284.4	5447.4	5704.9	5870.8	5912.2	5935.1
20°	5470.3	5436.0	5416.0	5370.2	5357.3	5453.2	5702.0	5988.0	6042.4	6071.0
22.5°	5832.2	5809.3	5766.4	5650.5	5524.7	5523.2	5756.4	6138.2	6239.7	6266.9
25°	6269.8	6235.5	6181.1	6023.8	5782.1	5662.0	5847.9	6329.8	6500.0	6507.2
27.5°	6773.2	6721.7	6647.3	6440.0	6113.9	5879.3	5988.0	6550.1	6798.9	6796.1
30°	7303.8	7252.3	7173.6	6921.9	6511.5	6172.5	6182.5	6787.5	7153.6	7137.9
32.5°	7691.3	7652.7	7637.0	7442.5	6969.1	6518.6	6405.6	7050.6	7591.2	7576.9
35°	7988.8	7938.8	7957.4	7858.7	7468.2	6906.2	6678.8	7363.8	8123.3	8121.8
37.5°	8283.4	8239.1	8254.8	8189.0	7930.2	7398.2	7012.0	7747.1	8782.6	8814.0
40°	8552.3	8505.1	8568.0	8506.5	8289.2	7921.6	7391.0	8180.5	9546.3	9606.3
42.5°	8713.9	8676.7	8781.1	8782.6	8600.9	8363.5	7807.2	8658.1	10430.1	10564.5
45°	8769.7	8756.8	8914.1	8947.0	8876.9	8619.5	8181.9	9178.7	11382.6	11622.8
47.5°	8709.6	8685.3	8902.7	9024.2	9080.0	8739.6	8492.2	9742.2	12355.1	12706.9
50°	8406.4	8359.2	8682.4	8938.4	9137.2	8818.3	8805.4	10392.9	13460.6	13845.3
52.5°	7861.5	7825.8	8193.3	8638.1	9011.4	8856.9	9157.3	11103.7	14510.3	15008.0
55°	7165.1	7117.9	7522.6	8103.2	8698.2	8844.0	9509.1	11898.9	15748.8	16253.7
57.5°	6061.0	5966.6	6478.6	7165.1	8187.6	8828.3	9875.2	12689.7	17007.3	17612.3
60°	4450.6	4310.5	4938.3	5752.1	7189.4	8675.3	10328.5	13576.4	18517.6	19062.5
62.5°	2591.4	2509.9	2920.4	3679.8	5418.8	7774.3	10583.1	14607.6	20002.1	20574.1
65°	2012.2	1989.3	2025.1	2083.7	3016.2	5820.7	9798.0	15613.0	21889.9	22290.3
67.5°	1840.6	1823.4	1839.2	1729.1	1530.3	3242.2	7751.4	15867.5	23912.1	24155.2
70°	1636.1	1616.1	1667.6	1573.2	1204.2	1474.5	5008.4	14943.6	25521.0	25977.3
72.5°	1332.9	1310.0	1430.2	1387.2	1014.0	946.8	2515.6	12748.4	25352.3	26299.0
75°	1024.0	1011.1	1154.1	1189.9	826.6	745.1	1207.0	9476.2	22310.3	23264.3
77.5°	795.2	785.2	858.1	988.2	666.5	577.8	742.2	6010.9	16812.8	16980.2
80°	596.4	567.8	635.0	765.1	519.1	421.9	503.4	3505.3	10627.4	9633.5
82.5°	373.3	359.0	414.7	510.6	366.1	290.3	327.5	1936.4	4259.0	2508.5
85°	213.1	207.4	226.0	291.8	198.8	167.3	187.3	855.2	778.0	534.9
87.5°	85.8	82.9	103.0	130.1	72.9	61.5	65.8	205.9	171.6	158.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952039
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5427.4	0°	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4
5448.9	2.5°	5443.2	5443.2	5423.1	5391.7	5355.9	5333.0	5295.8	5285.8	5247.2	5235.8
5497.5	5°	5508.9	5497.5	5436.0	5347.3	5225.8	5114.2	4991.2	4914.0	4805.3	4766.7
5593.3	7.5°	5591.9	5560.4	5454.6	5260.1	5005.5	4755.3	4495.0	4297.6	4108.8	4041.6
5672.0	10°	5667.7	5623.4	5443.2	5102.8	4662.3	4229.0	3814.2	3523.9	3303.6	3213.5
5759.2	12.5°	5743.5	5662.0	5367.4	4841.1	4174.6	3586.8	3144.9	2918.9	2783.1	2674.4
5830.7	15°	5815.0	5700.6	5250.1	4490.7	3639.7	3043.4	2717.3	2537.1	2428.4	2356.9
5935.1	17.5°	5897.9	5733.5	5074.2	4045.9	3130.6	2667.2	2401.2	2292.5	2271.1	2262.5
6078.1	20°	6013.8	5763.5	4842.5	3548.2	2755.9	2366.9	2229.6	2219.6	2218.2	2213.9
6249.8	22.5°	6138.2	5799.3	4536.4	3096.3	2437.0	2179.5	2155.2	2135.2	2122.3	2120.9
6457.1	25°	6285.5	5810.7	4153.2	2725.9	2165.2	2090.9	2062.3	2032.2	2023.7	2023.7
6693.1	27.5°	6428.5	5772.1	3706.9	2404.1	2012.2	2009.4	1972.2	1962.2	1960.7	1965.0
6962.0	30°	6571.5	5699.1	3263.6	2106.6	1923.6	1923.6	1910.7	1917.8	1923.6	1937.9
7331.0	32.5°	6764.6	5621.9	2893.2	1886.4	1846.3	1832.0	1844.9	1859.2	1864.9	1883.5
7815.8	35°	7047.8	5567.6	2598.6	1766.2	1766.2	1747.6	1754.8	1751.9	1739.1	1730.5
8402.1	37.5°	7422.5	5564.7	2355.5	1710.5	1699.0	1696.2	1697.6	1679.0	1628.9	1568.9
9111.5	40°	7873.0	5641.9	2168.1	1671.8	1663.3	1680.4	1671.8	1621.8	1484.5	1380.1
9983.9	42.5°	8477.9	5862.2	2048.0	1624.7	1650.4	1671.8	1637.5	1464.5	1371.5	1301.4
10977.8	45°	9190.1	6219.7	1986.5	1574.6	1626.1	1651.8	1485.9	1410.1	1335.8	1251.4
12061.9	47.5°	9996.8	6670.2	1972.2	1527.4	1571.7	1587.5	1421.6	1387.2	1302.9	1211.3
13151.7	50°	10874.9	7203.7	2010.8	1471.6	1493.1	1438.7	1400.1	1368.7	1281.4	1191.3
14268.6	52.5°	11783.0	7791.5	2088.0	1395.8	1414.4	1354.4	1391.5	1364.4	1268.5	1147.0
15422.7	55°	12675.4	8383.5	2162.4	1307.2	1334.3	1278.6	1367.2	1347.2	1209.9	1072.6
16654.1	57.5°	13582.1	8972.8	2235.3	1228.5	1257.1	1205.6	1328.6	1301.4	1144.1	1004.0
17998.4	60°	14524.6	9544.8	2269.6	1152.7	1172.7	1138.4	1270.0	1222.8	1069.8	933.9
19319.9	62.5°	15407.0	10021.1	2213.9	1076.9	1089.8	1075.5	1192.7	1129.8	995.4	855.2
20697.1	65°	16292.3	10304.2	2042.3	1002.5	1005.4	998.2	1084.1	1029.7	908.1	786.6
21902.8	67.5°	17094.6	10463.0	1769.1	922.4	915.3	912.4	982.5	921.0	823.8	717.9
22819.5	70°	17264.8	10059.7	1351.5	828.1	828.1	820.9	871.0	808.0	730.8	645.0
22163.0	72.5°	15768.8	8462.2	959.6	720.8	732.2	717.9	759.4	706.5	636.4	579.2
19101.1	75°	12715.5	6205.4	697.9	610.7	630.7	606.4	645.0	607.8	547.7	546.3
13163.1	77.5°	8736.8	3837.1	506.3	503.4	517.7	486.3	530.6	510.6	456.2	431.9
5729.2	80°	3728.4	1530.3	369.0	389.0	389.0	360.4	411.9	417.6	370.4	359.0
1105.5	82.5°	742.2	434.8	258.9	267.4	251.7	243.1	291.8	323.2	446.2	496.3
333.2	85°	223.1	160.2	155.9	145.9	128.7	130.1	171.6	324.6	400.4	228.8
110.1	87.5°	61.5	40.0	41.5	32.9	27.2	35.8	58.6	246.0	134.4	57.2
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>
5427.4
5254.4
4795.3
4050.2
3233.6
2710.1
2369.8
2268.2
2228.2
2136.6
2032.2
1976.5
1947.9
1899.2
1750.5
1570.3
1377.2
1298.6
1245.7
1204.2
1181.3
1138.4
1065.5
1001.1
929.6
853.8
778.0
709.4
642.1
562.0
492.0
404.7
359.0
497.7
197.4
48.6
0.0

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