

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: P956598

Luminaire Tested: **GALN-SB9A-950-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956598  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB9A-950-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

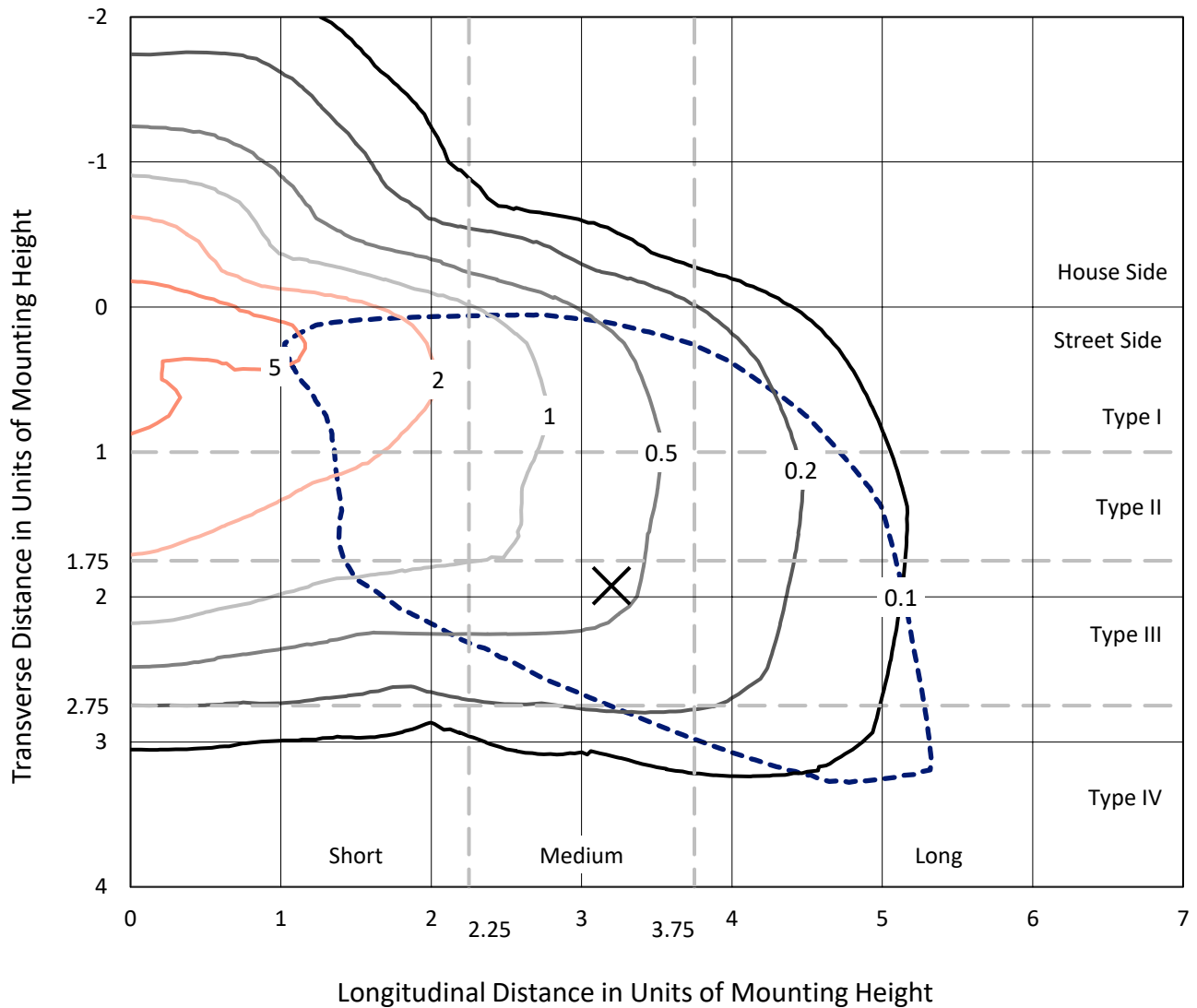
Lumens per Lamp: N/A  
Luminaire Lumens: 27779 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

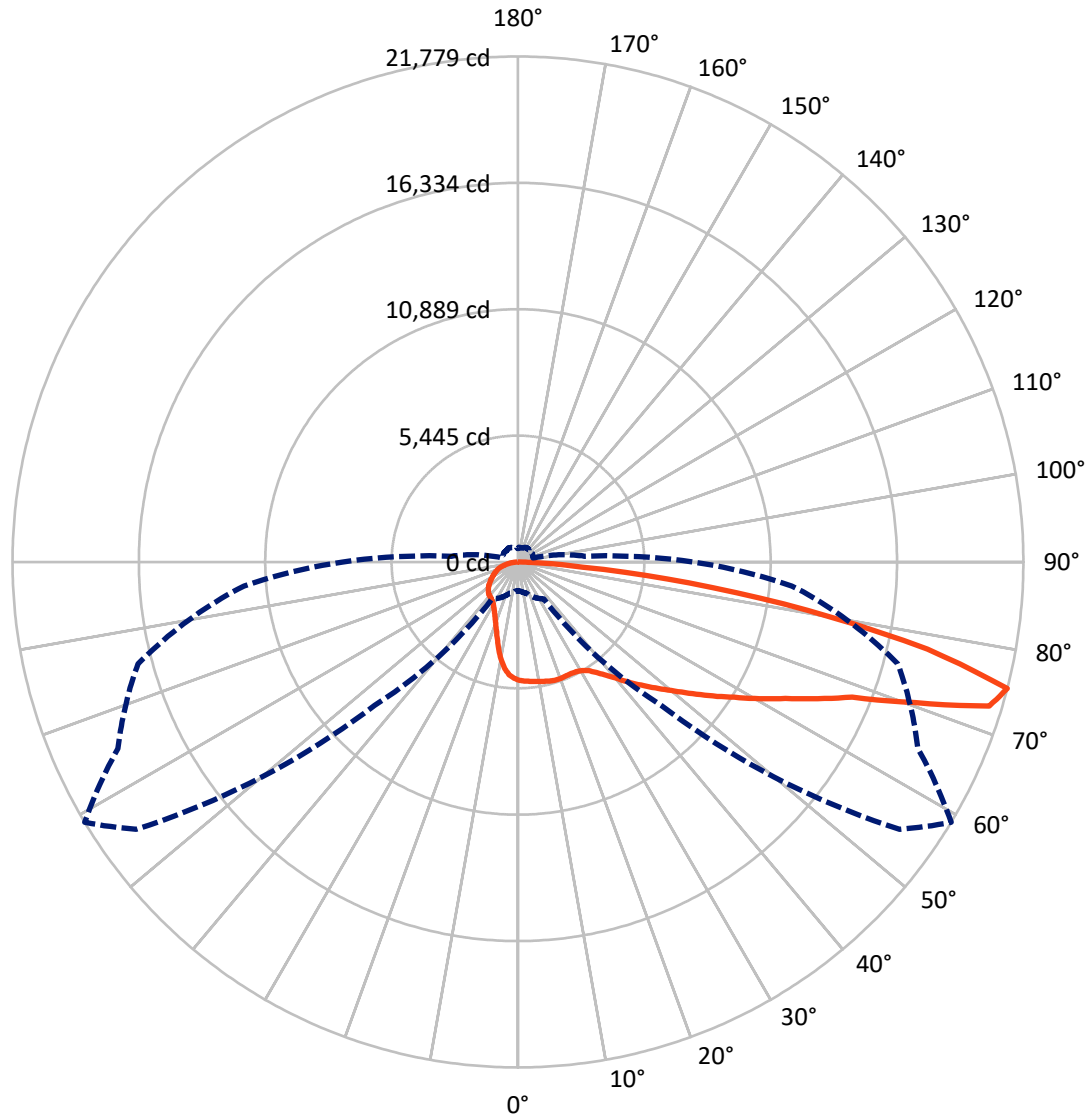
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5210.1	0.0	5210.1
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	22568.9	0.0	22568.9
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	27779.0	0.0	27779.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.2	1.6
10°-20°	1168.6	4.2
20°-30°	1775.0	6.4
30°-40°	2638.5	9.5
40°-50°	3923.9	14.1
50°-60°	5326.3	19.2
60°-70°	6502.5	23.4
70°-80°	5103.1	18.4
80°-90°	884.0	3.2
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°	27779.0	100.0
0°-180°	27779.0	100.0

**Coefficient of Utilization**



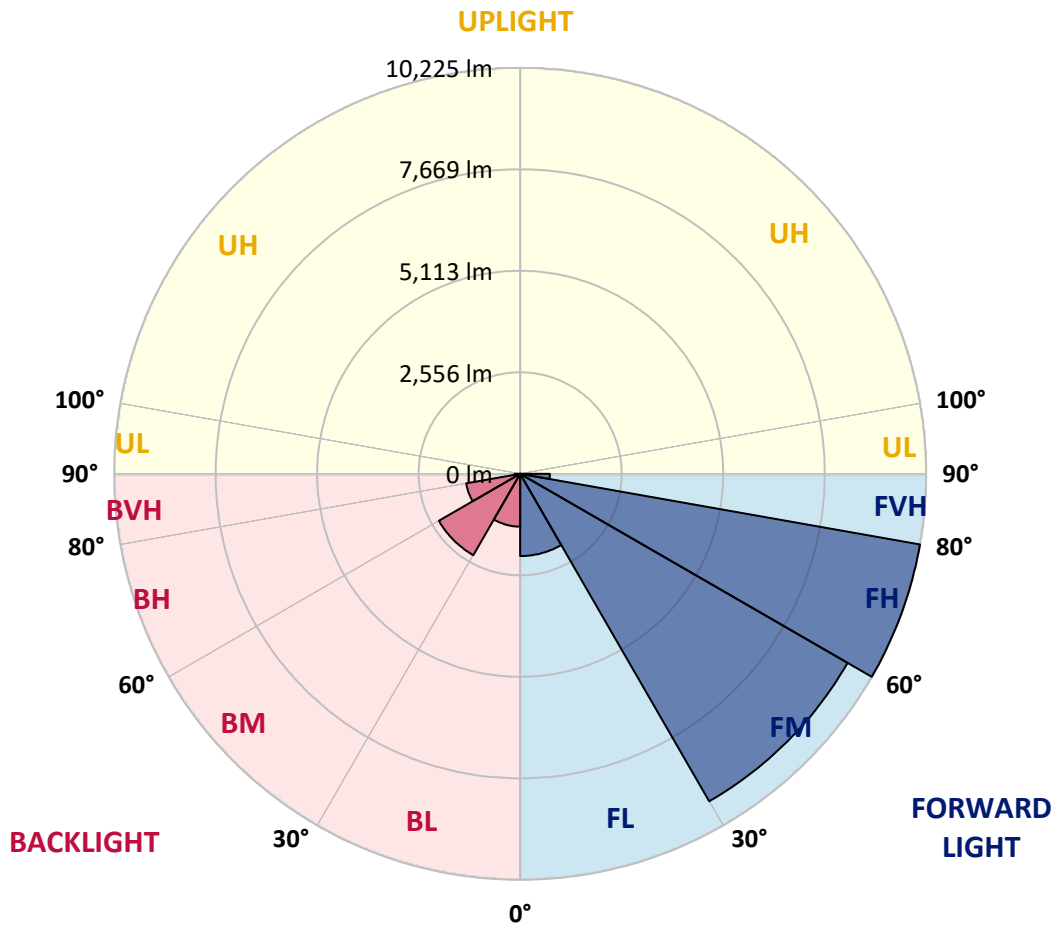
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2071.2	7.5			
FM (30°-60°)	9523.8	34.3			
FH (60°-80°)	10225.2	36.8			G4/12000
FVH (80°-90°)	748.7	2.7			G4/750
BL (0°-30°)	1329.6	4.8	B3/2500		
BM (30°-60°)	2364.9	8.5	B2/2500		
BH (60°-80°)	1380.4	5.0	B3/2500		G3/2500
BVH (80°-90°)	135.3	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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8
2.5°	5142.1	5124.2	5142.1	5134.6	5131.6	5125.7	5127.2	5137.6	5131.6	5139.1
5°	5107.7	5097.3	5115.2	5110.7	5130.2	5133.1	5152.6	5164.5	5172.0	5173.5
7.5°	5051.0	5040.5	5065.9	5086.8	5128.7	5140.6	5181.0	5200.4	5210.9	5228.8
10°	4843.2	4838.8	4901.5	4980.7	5079.3	5140.6	5201.9	5234.8	5251.2	5299.0
12.5°	4475.6	4481.6	4563.8	4716.2	4913.5	5110.7	5225.8	5273.6	5299.0	5358.8
15°	4124.4	4123.0	4212.6	4375.5	4652.0	4979.2	5237.7	5319.9	5363.3	5451.4
17.5°	3921.2	3915.2	3978.0	4102.0	4359.1	4777.5	5207.9	5345.3	5438.0	5548.6
20°	3883.9	3871.9	3904.8	3966.0	4148.4	4556.3	5130.2	5345.3	5497.8	5641.2
22.5°	4019.8	4000.4	3987.0	3979.5	4060.2	4374.0	5042.0	5327.4	5585.9	5774.2
25°	4293.3	4263.4	4194.7	4127.4	4103.5	4291.8	4964.3	5322.9	5717.4	5953.6
27.5°	4735.6	4698.3	4559.3	4397.9	4253.0	4333.7	4929.9	5349.8	5862.4	6143.3
30°	5284.1	5243.7	5068.9	4820.8	4560.8	4489.1	4973.2	5429.0	6047.7	6395.9
32.5°	5775.7	5730.9	5581.5	5328.9	4977.7	4758.1	5110.7	5580.0	6339.1	6747.1
35°	6212.1	6159.8	6025.3	5792.2	5488.8	5136.1	5358.8	5847.5	6753.0	7317.9
37.5°	6639.5	6578.2	6431.7	6185.2	5973.0	5639.7	5701.0	6191.2	7303.0	8011.3
40°	7117.7	7029.5	6851.7	6608.1	6401.9	6230.0	6150.8	6612.6	7861.9	8785.4
42.5°	7580.9	7497.2	7285.0	7077.3	6818.8	6769.5	6672.3	7105.7	8473.0	9635.7
45°	8080.0	7979.9	7722.9	7459.9	7297.0	7128.1	7177.4	7598.8	9072.3	10502.4
47.5°	8547.8	8435.7	8132.3	7839.4	7749.8	7430.0	7640.7	8141.3	9695.4	11381.1
50°	8800.3	8689.7	8437.2	8172.7	8102.4	7802.1	8142.8	8737.6	10348.5	12256.8
52.5°	9011.0	8891.5	8561.2	8414.8	8393.8	8207.1	8761.5	9419.0	11001.5	13030.9
55°	9235.2	9102.2	8680.8	8549.3	8644.9	8661.3	9495.2	10191.6	11691.9	13785.5
57.5°	9493.7	9324.8	8795.8	8662.8	8890.0	9193.3	10338.0	10992.5	12370.4	14484.9
60°	9737.3	9566.9	9017.0	8843.7	9154.5	9810.5	11304.9	11962.4	13138.5	15108.0
62.5°	9785.1	9644.6	9193.3	9191.8	9513.1	10530.8	12449.6	12941.2	13809.4	15723.7
65°	8957.2	8869.1	8601.6	9178.4	10027.2	11567.9	13724.2	14193.5	14662.7	16261.7
67.5°	6817.3	6829.2	6809.8	7923.1	9611.8	13057.8	15569.8	15533.9	15716.2	16865.4
70°	3117.2	3187.5	3644.8	5469.4	7700.5	13229.6	18621.3	18156.5	17038.8	17647.0
72.5°	1684.1	1737.9	1924.7	2649.5	4629.5	11762.1	20901.7	21231.9	18797.6	18173.0
75°	1235.8	1265.7	1395.7	1684.1	1944.2	8742.0	20084.3	21778.9	19017.3	16946.1
77.5°	925.0	938.5	1044.6	1334.5	995.2	4608.6	16048.0	18037.0	16279.6	13923.0
80°	671.0	685.9	765.1	1001.2	697.9	1685.6	11019.4	12660.3	11149.5	8875.0
82.5°	463.3	469.2	503.6	681.4	487.2	654.5	6252.4	7424.0	6224.0	3114.3
85°	279.4	286.9	301.9	397.5	276.5	310.8	2698.8	2791.5	1860.5	744.2
87.5°	115.1	122.5	134.5	167.4	109.1	86.7	445.3	558.9	348.2	218.2
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°
5098.8	0°	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8	5098.8
5113.7	2.5°	5106.2	5095.8	5067.4	5028.5	4992.7	4947.8	4928.4	4912.0	4897.0	4868.6
5154.1	5°	5137.6	5109.2	5033.0	4934.4	4822.3	4699.8	4580.2	4498.0	4427.8	4375.5
5200.4	7.5°	5185.4	5131.6	4992.7	4790.9	4533.9	4270.9	4033.3	3864.4	3737.4	3691.1
5266.1	10°	5234.8	5170.5	4928.4	4572.8	4128.9	3724.0	3408.6	3235.3	3133.7	3100.8
5343.8	12.5°	5293.0	5198.9	4828.3	4269.4	3676.1	3232.3	2957.3	2855.7	2803.4	2785.5
5439.5	15°	5378.2	5222.8	4677.4	3889.8	3244.3	2873.7	2695.8	2625.6	2598.7	2597.2
5538.1	17.5°	5442.5	5227.3	4442.7	3483.4	2912.5	2657.0	2510.5	2483.6	2501.6	2528.5
5635.3	20°	5514.2	5186.9	4134.9	3112.8	2679.4	2467.2	2405.9	2423.9	2467.2	2506.1
5763.8	22.5°	5565.0	5113.7	3762.8	2824.3	2477.7	2358.1	2355.1	2392.5	2416.4	2435.8
5914.7	25°	5609.8	4989.7	3368.3	2582.3	2311.8	2292.4	2325.2	2313.3	2296.8	2313.3
6065.6	27.5°	5642.7	4793.9	3015.6	2370.1	2195.2	2247.5	2228.1	2201.2	2199.7	2208.7
6243.5	30°	5632.3	4532.4	2725.7	2168.3	2113.0	2163.8	2117.5	2113.0	2108.5	2113.0
6510.9	32.5°	5632.3	4235.0	2503.1	2029.3	2060.7	2041.3	2036.8	2026.4	2008.4	2006.9
6874.1	35°	5663.6	3937.7	2311.8	1954.6	2017.4	1971.1	1974.1	1948.7	1911.3	1893.4
7355.3	37.5°	5727.9	3698.6	2122.0	1918.8	1941.2	1939.7	1927.7	1884.4	1818.6	1761.9
7956.0	40°	5883.3	3628.3	1992.0	1902.3	1905.3	1923.2	1891.9	1808.2	1658.7	1566.1
8565.7	42.5°	6126.9	3746.4	1963.6	1862.0	1881.4	1899.3	1838.1	1643.8	1537.7	1482.4
9205.3	45°	6436.2	3952.6	2024.9	1803.7	1824.6	1856.0	1673.7	1581.0	1533.2	1534.7
9838.9	47.5°	6827.8	4169.3	2138.4	1752.9	1742.4	1760.4	1564.6	1507.8	1442.1	1458.5
10447.1	50°	7280.5	4389.0	2246.0	1684.1	1651.3	1593.0	1494.4	1440.6	1356.9	1318.0
11034.4	52.5°	7770.7	4601.1	2289.4	1600.5	1552.6	1485.4	1446.5	1380.8	1279.2	1214.9
11588.8	55°	8235.4	4793.9	2241.5	1500.3	1454.0	1401.7	1395.7	1355.4	1246.3	1156.6
12081.9	57.5°	8674.8	4955.3	2122.0	1398.7	1353.9	1322.5	1362.9	1343.4	1206.0	1090.9
12548.2	60°	9046.9	5065.9	1948.7	1295.6	1264.2	1247.8	1309.1	1303.1	1149.2	1020.7
12966.6	62.5°	9342.8	5109.2	1757.4	1197.0	1189.5	1159.6	1234.3	1234.3	1077.4	951.9
13334.2	65°	9574.4	5067.4	1563.1	1099.9	1114.8	1070.0	1143.2	1134.2	1001.2	890.6
13757.1	67.5°	9779.1	4929.9	1347.9	1004.2	1038.6	981.8	1047.5	1026.6	917.5	829.4
14123.2	70°	9870.3	4610.1	1102.8	908.6	950.4	895.1	951.9	913.1	823.4	763.6
13721.3	72.5°	9138.0	3831.6	868.2	808.5	844.3	799.5	848.8	804.0	721.8	694.9
11848.8	75°	7560.0	2875.2	668.0	699.4	726.3	691.9	724.8	691.9	617.2	636.6
8752.5	77.5°	5490.3	1941.2	511.1	584.3	596.3	578.3	606.7	569.4	502.1	497.6
4362.1	80°	2730.2	1137.2	400.5	461.8	457.3	445.3	478.2	460.3	403.5	427.4
1177.6	82.5°	790.5	487.2	291.4	324.3	315.3	318.3	342.2	351.2	526.0	521.5
366.1	85°	248.1	191.3	174.8	180.8	171.9	176.3	201.7	400.5	370.6	216.7
113.6	87.5°	64.3	65.8	43.3	46.3	47.8	56.8	64.3	243.6	116.6	76.2
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>
5098.8
4855.2
4332.2
3610.4
3050.0
2790.0
2603.2
2538.9
2519.5
2446.3
2323.7
2223.6
2129.5
2026.4
1911.3
1781.3
1578.0
1482.4
1542.2
1500.3
1328.5
1213.4
1156.6
1084.9
1016.2
947.4
884.7
823.4
751.7
672.5
581.3
475.2
422.9
533.5
234.6
80.7
0.0

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