

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: P948954

Luminaire Tested: **GALN-SB3D-835-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948954  
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-SB3D-835-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

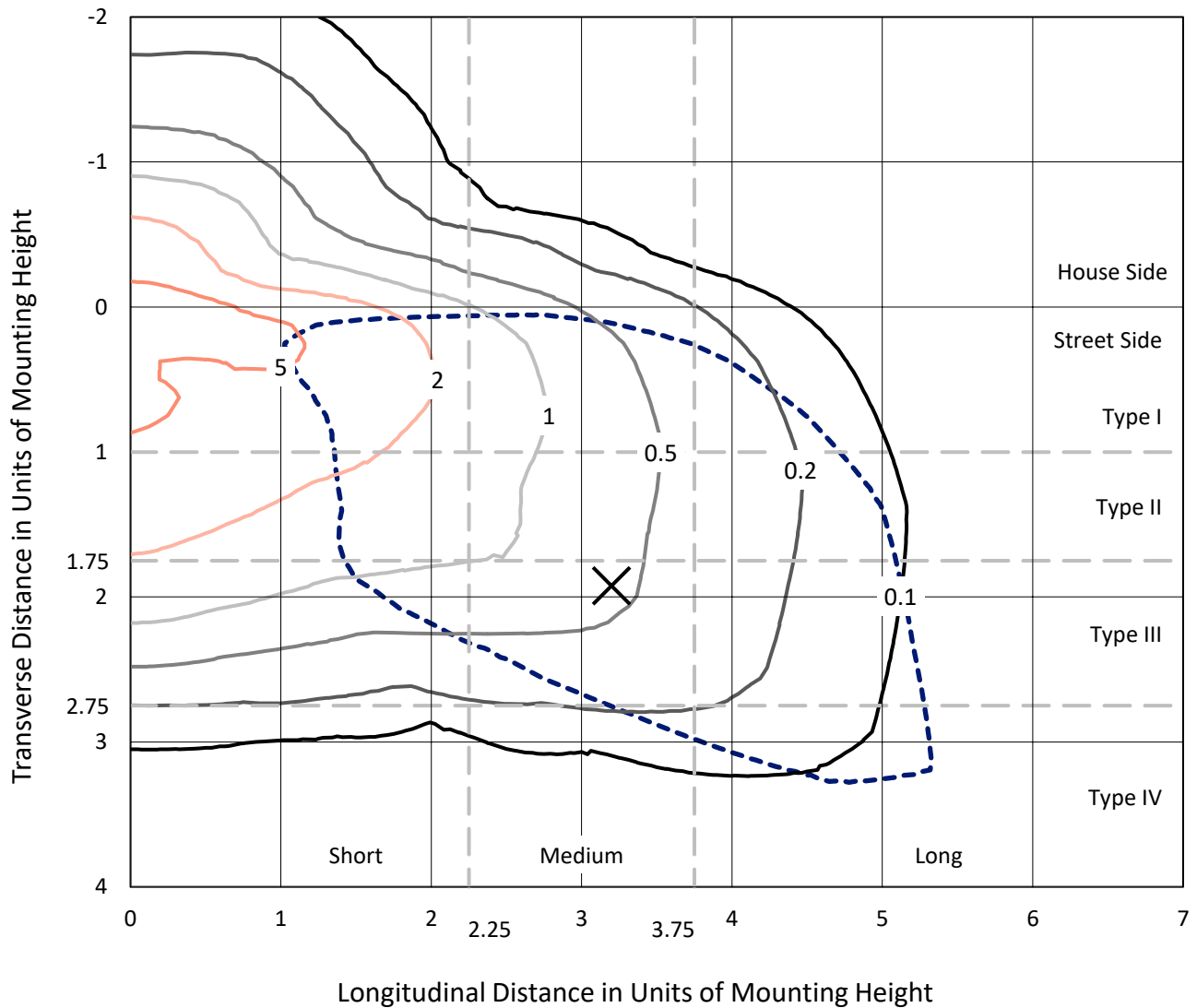
Lumens per Lamp: N/A  
Luminaire Lumens: 27677 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

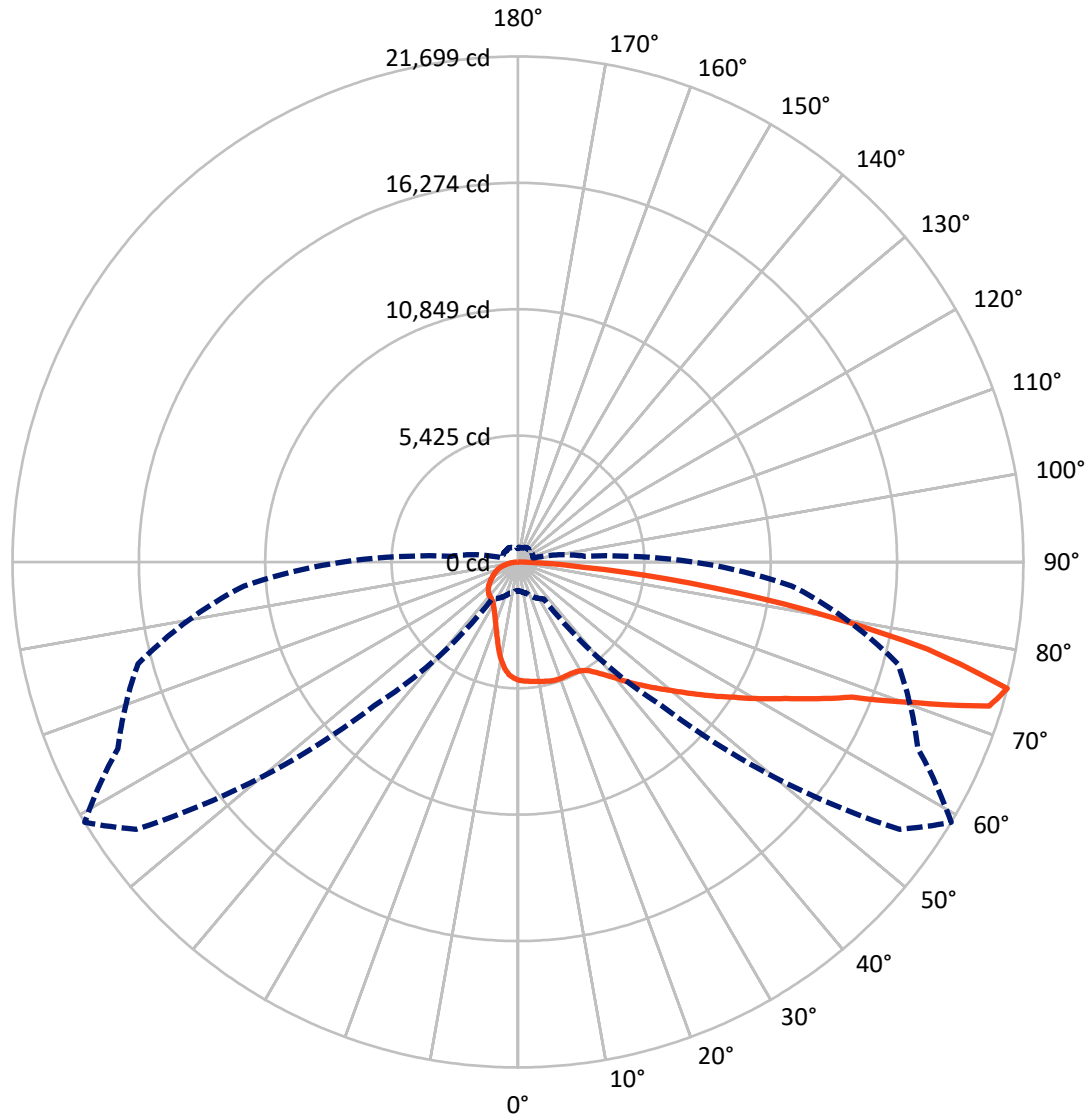
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	5191.0	0.0	5191.0
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	22486.0	0.0	22486.0
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	27677.0	0.0	27677.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	455.5	1.6
10°-20°	1164.3	4.2
20°-30°	1768.5	6.4
30°-40°	2628.8	9.5
40°-50°	3909.5	14.1
50°-60°	5306.7	19.2
60°-70°	6478.6	23.4
70°-80°	5084.3	18.4
80°-90°	880.7	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°	27677.0	100.0
0°-180°	27677.0	100.0

**Coefficient of Utilization**



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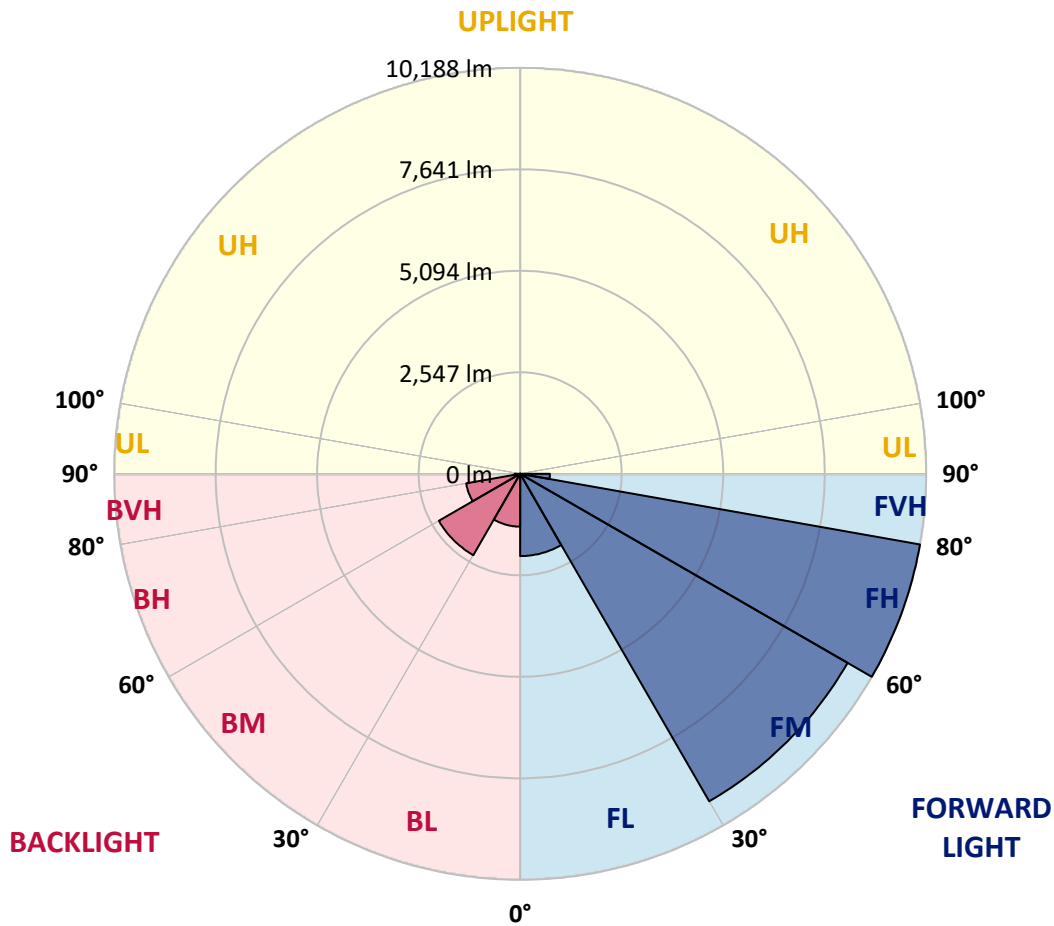
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2063.6	7.5			
FM (30°-60°)	9488.8	34.3			
FH (60°-80°)	10187.6	36.8			G4/12000
FVH (80°-90°)	745.9	2.7			G4/750
BL (0°-30°)	1324.7	4.8	B3/2500		
BM (30°-60°)	2356.2	8.5	B2/2500		
BH (60°-80°)	1375.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	134.8	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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1
2.5°	5123.2	5105.4	5123.2	5115.8	5112.8	5106.9	5108.3	5118.8	5112.8	5120.3
5°	5089.0	5078.6	5096.4	5092.0	5111.3	5114.3	5133.7	5145.6	5153.0	5154.5
7.5°	5032.4	5022.0	5047.3	5068.1	5109.8	5121.7	5161.9	5181.3	5191.7	5209.6
10°	4825.5	4821.0	4883.5	4962.4	5060.7	5121.7	5182.8	5215.5	5231.9	5279.6
12.5°	4459.2	4465.1	4547.0	4698.9	4895.4	5092.0	5206.6	5254.3	5279.6	5339.1
15°	4109.3	4107.8	4197.1	4359.4	4634.9	4960.9	5218.5	5300.4	5343.6	5431.4
17.5°	3906.8	3900.9	3963.4	4087.0	4343.1	4759.9	5188.7	5325.7	5418.0	5528.2
20°	3869.6	3857.7	3890.4	3951.5	4133.1	4539.6	5111.3	5325.7	5477.6	5620.5
22.5°	4005.1	3985.7	3972.3	3964.9	4045.3	4357.9	5023.5	5307.9	5565.4	5753.0
25°	4277.5	4247.8	4179.3	4112.3	4088.5	4276.1	4946.1	5303.4	5696.4	5931.7
27.5°	4718.3	4681.0	4542.6	4381.8	4237.3	4317.7	4911.8	5330.2	5840.9	6120.8
30°	5264.7	5224.5	5050.3	4803.1	4544.1	4472.6	4955.0	5409.1	6025.5	6372.4
32.5°	5754.5	5709.8	5561.0	5309.3	4959.5	4740.6	5092.0	5559.5	6315.8	6722.3
35°	6189.3	6137.2	6003.2	5770.9	5468.6	5117.3	5339.1	5826.0	6728.2	7291.0
37.5°	6615.1	6554.0	6408.1	6162.5	5951.0	5619.0	5680.1	6168.4	7276.1	7981.9
40°	7091.5	7003.7	6826.5	6583.8	6378.4	6207.1	6128.2	6588.3	7833.0	8753.1
42.5°	7553.1	7469.7	7258.3	7051.3	6793.8	6744.6	6647.8	7079.6	8441.9	9600.3
45°	8050.4	7950.6	7694.5	7432.5	7270.2	7101.9	7151.1	7570.9	9039.0	10463.8
47.5°	8516.4	8404.7	8102.5	7810.7	7721.3	7402.7	7612.6	8111.4	9659.8	11339.3
50°	8768.0	8657.8	8406.2	8142.7	8072.7	7773.4	8112.9	8705.5	10310.5	12211.8
52.5°	8977.9	8858.8	8529.8	8383.9	8363.0	8176.9	8729.3	9384.4	10961.1	12983.0
55°	9201.3	9068.8	8648.9	8517.9	8613.2	8629.5	9460.3	10154.1	11649.0	13734.9
57.5°	9458.8	9290.6	8763.5	8631.0	8857.3	9159.6	10300.1	10952.2	12324.9	14431.7
60°	9701.5	9531.8	8983.9	8811.2	9120.9	9774.5	11263.4	11918.5	13090.2	15052.6
62.5°	9749.2	9609.2	9159.6	9158.1	9478.2	10492.1	12403.8	12893.7	13758.7	15666.0
65°	8924.3	8836.5	8570.0	9144.7	9990.4	11525.4	13673.9	14141.4	14608.9	16202.0
67.5°	6792.3	6804.2	6784.8	7894.0	9576.5	13009.8	15512.6	15476.9	15658.5	16803.5
70°	3105.8	3175.8	3631.4	5449.3	7672.2	13181.0	18552.9	18089.9	16976.2	17582.2
72.5°	1678.0	1731.6	1917.7	2639.8	4612.5	11719.0	20824.9	21154.0	18728.6	18106.2
75°	1231.3	1261.1	1390.6	1678.0	1937.0	8709.9	20010.5	21698.9	18947.5	16883.9
77.5°	921.6	935.0	1040.7	1329.6	991.6	4591.7	15989.1	17970.8	16219.8	13871.9
80°	668.5	683.4	762.3	997.5	695.3	1679.5	10979.0	12613.8	11108.5	8842.4
82.5°	461.6	467.5	501.8	678.9	485.4	652.1	6229.5	7396.7	6201.2	3102.8
85°	278.4	285.9	300.8	396.0	275.4	309.7	2688.9	2781.2	1853.7	741.5
87.5°	114.6	122.1	134.0	166.8	108.7	86.4	443.7	556.8	346.9	217.4
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°
5080.1	0°	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1	5080.1
5094.9	2.5°	5087.5	5077.1	5048.8	5010.1	4974.3	4929.7	4910.3	4893.9	4879.1	4850.8
5135.1	5°	5118.8	5090.5	5014.5	4916.3	4804.6	4682.5	4563.4	4481.5	4411.5	4359.4
5181.3	7.5°	5166.4	5112.8	4974.3	4773.3	4517.3	4255.2	4018.5	3850.2	3723.7	3677.5
5246.8	10°	5215.5	5151.5	4910.3	4556.0	4113.8	3710.3	3396.1	3223.4	3122.2	3089.4
5324.2	12.5°	5273.6	5179.8	4810.6	4253.7	3662.6	3220.4	2946.5	2845.2	2793.1	2775.3
5419.5	15°	5358.5	5203.6	4660.2	3875.5	3232.4	2863.1	2685.9	2616.0	2589.2	2587.7
5517.8	17.5°	5422.5	5208.1	4426.4	3470.6	2901.8	2647.2	2501.3	2474.5	2492.4	2519.2
5614.6	20°	5494.0	5167.9	4119.7	3101.3	2669.6	2458.1	2397.1	2415.0	2458.1	2496.8
5742.6	22.5°	5544.6	5094.9	3749.0	2814.0	2468.6	2349.4	2346.5	2383.7	2407.5	2426.9
5893.0	25°	5589.2	4971.4	3355.9	2572.8	2303.3	2283.9	2316.7	2304.8	2288.4	2304.8
6043.4	27.5°	5622.0	4776.3	3004.6	2361.4	2187.2	2239.3	2219.9	2193.1	2191.6	2200.6
6220.5	30°	5611.6	4515.8	2715.7	2160.4	2105.3	2155.9	2109.7	2105.3	2100.8	2105.3
6487.0	32.5°	5611.6	4219.5	2493.9	2021.9	2053.2	2033.8	2029.3	2018.9	2001.1	1999.6
6848.8	35°	5642.8	3923.2	2303.3	1947.5	2010.0	1963.8	1966.8	1941.5	1904.3	1886.4
7328.3	37.5°	5706.9	3685.0	2114.2	1911.7	1934.1	1932.6	1920.7	1877.5	1812.0	1755.4
7926.8	40°	5861.7	3615.0	1984.7	1895.3	1898.3	1916.2	1884.9	1801.5	1652.7	1560.3
8534.2	42.5°	6104.4	3732.6	1956.4	1855.1	1874.5	1892.4	1831.3	1637.8	1532.1	1477.0
9171.5	45°	6412.6	3938.1	2017.4	1797.1	1817.9	1849.2	1667.5	1575.2	1527.6	1529.1
9802.8	47.5°	6802.7	4154.0	2130.6	1746.5	1736.0	1753.9	1558.9	1502.3	1436.8	1453.1
10408.7	50°	7253.8	4372.8	2237.8	1678.0	1645.2	1587.1	1488.9	1435.3	1351.9	1313.2
10993.9	52.5°	7742.2	4584.3	2281.0	1594.6	1546.9	1479.9	1441.2	1375.7	1274.5	1210.5
11546.2	55°	8205.2	4776.3	2233.3	1494.8	1448.7	1396.6	1390.6	1350.4	1241.7	1152.4
12037.6	57.5°	8642.9	4937.1	2114.2	1393.6	1348.9	1317.7	1357.9	1338.5	1201.5	1086.9
12502.1	60°	9013.7	5047.3	1941.5	1290.9	1259.6	1243.2	1304.3	1298.3	1144.9	1016.9
12919.0	62.5°	9308.5	5090.5	1750.9	1192.6	1185.1	1155.4	1229.8	1229.8	1073.5	948.4
13285.3	65°	9539.2	5048.8	1557.4	1095.8	1110.7	1066.0	1139.0	1130.1	997.5	887.4
13706.6	67.5°	9743.2	4911.8	1343.0	1000.5	1034.8	978.2	1043.7	1022.9	914.2	826.3
14071.4	70°	9834.0	4593.2	1098.8	905.2	946.9	891.8	948.4	909.7	820.4	760.8
13670.9	72.5°	9104.5	3817.5	865.0	805.5	841.2	796.5	845.7	801.0	719.1	692.3
11805.3	75°	7532.2	2864.6	665.5	696.8	723.6	689.4	722.1	689.4	614.9	634.3
8720.4	77.5°	5470.1	1934.1	509.2	582.2	594.1	576.2	604.5	567.3	500.3	495.8
4346.0	80°	2720.2	1133.0	399.0	460.1	455.6	443.7	476.4	458.6	402.0	425.8
1173.2	82.5°	787.6	485.4	290.3	323.1	314.2	317.1	341.0	349.9	524.1	519.6
364.8	85°	247.2	190.6	174.2	180.2	171.2	175.7	201.0	399.0	369.2	215.9
113.2	87.5°	64.0	65.5	43.2	46.2	47.6	56.6	64.0	242.7	116.1	75.9
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>
5080.1
4837.4
4316.3
3597.1
3038.8
2779.7
2593.6
2529.6
2510.2
2437.3
2315.2
2215.5
2121.7
2018.9
1904.3
1774.7
1572.3
1477.0
1536.5
1494.8
1323.6
1209.0
1152.4
1080.9
1012.4
943.9
881.4
820.4
748.9
670.0
579.2
473.5
421.4
531.5
233.8
80.4
0.0

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