

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: P953950

Luminaire Tested: **GALN-SB7B-835-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953950  
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-SB7B-835-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

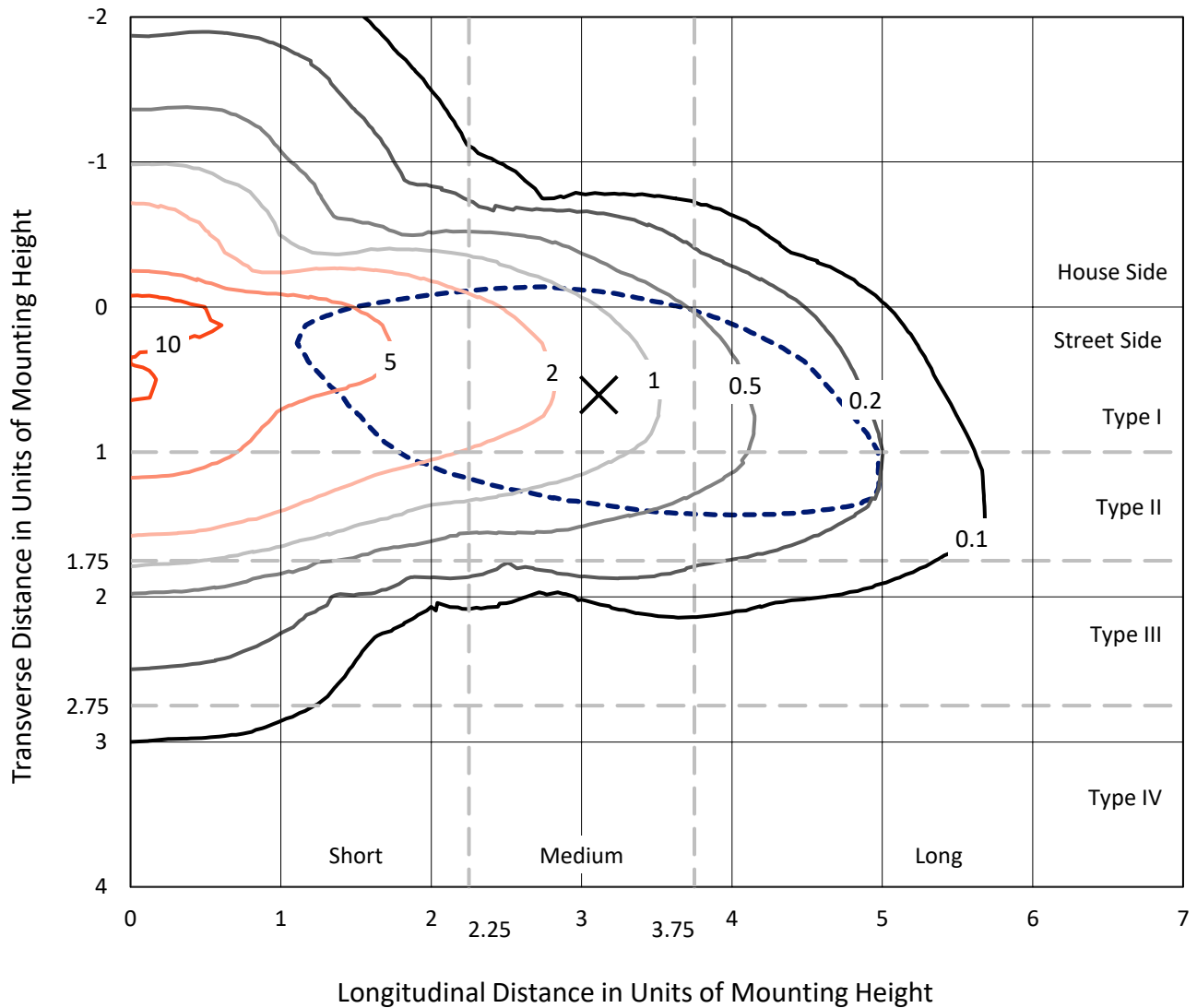
Lumens per Lamp: N/A  
Luminaire Lumens: 36919 lumens  
Efficiency: N/A  
Efficacy: 143.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

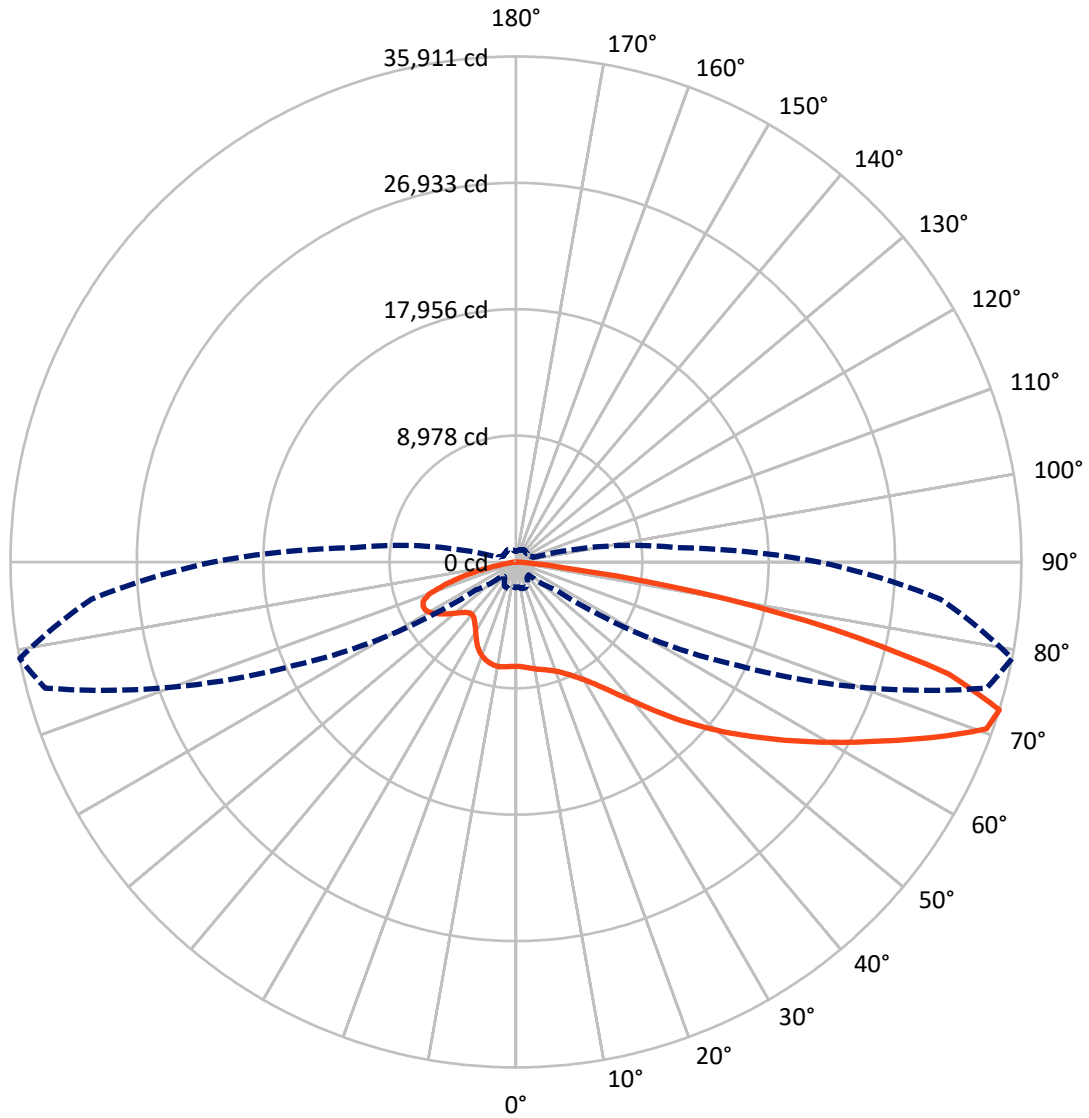
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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
<b>House Side</b>	Lumens	8124.2	0.0	8124.2
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	28794.8	0.0	28794.8
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	36919.0	0.0	36919.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	672.7	1.8
10°-20°	1758.8	4.8
20°-30°	2838.0	7.7
30°-40°	4259.5	11.5
40°-50°	6042.3	16.4
50°-60°	7630.6	20.7
60°-70°	7749.9	21.0
70°-80°	5281.9	14.3
80°-90°	685.3	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°	36919.0	100.0
0°-180°	36919.0	100.0

**Coefficient of Utilization**



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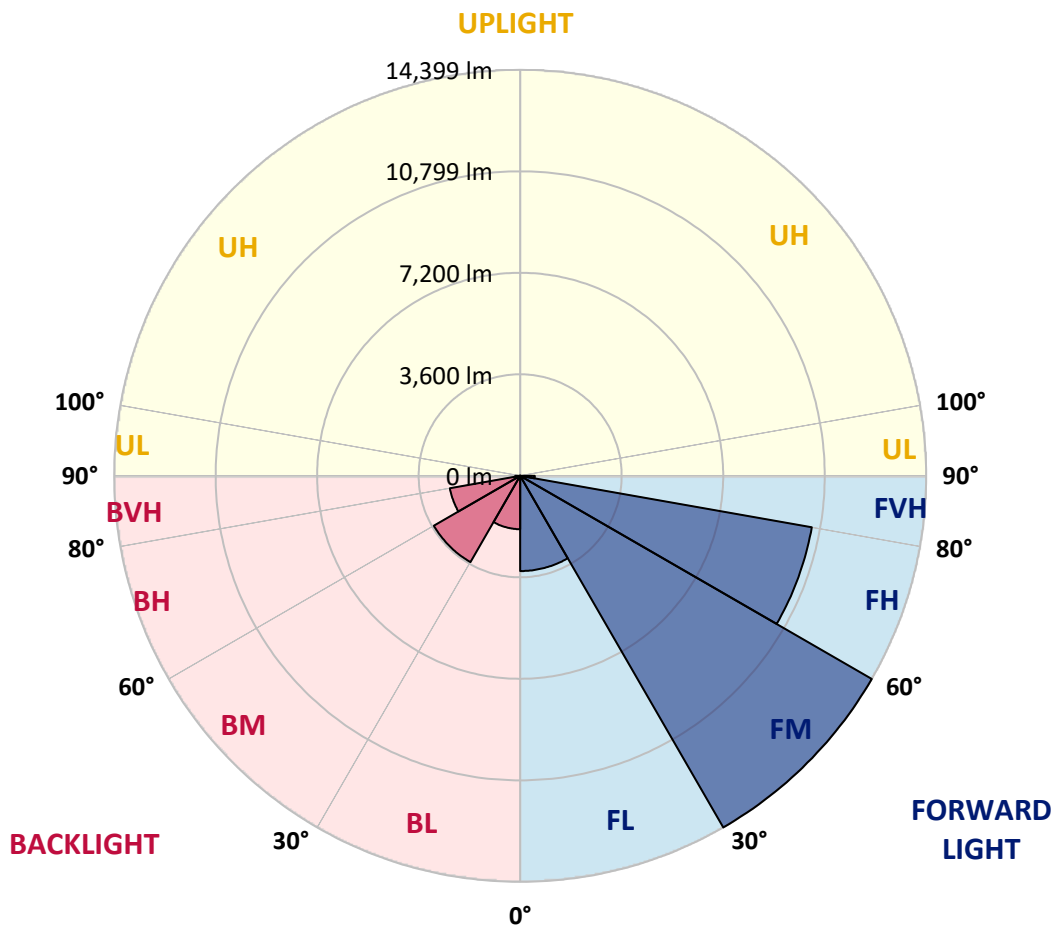
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3377.2	9.1			
FM (30°-60°)	14399.2	39.0			
FH (60°-80°)	10502.2	28.4			G4/12000
FVH (80°-90°)	516.2	1.4			G4/750
BL (0°-30°)	1892.4	5.1	B3/2500		
BM (30°-60°)	3533.2	9.6	B3/5000		
BH (60°-80°)	2529.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	169.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1
2.5°	7415.0	7379.9	7401.4	7393.6	7403.3	7415.0	7418.9	7424.8	7444.3	7442.4
5°	7399.4	7364.3	7393.6	7383.8	7409.2	7436.5	7460.0	7481.4	7512.7	7526.4
7.5°	7366.2	7342.8	7372.1	7401.4	7448.2	7489.3	7522.5	7571.3	7616.2	7624.0
10°	7172.9	7155.3	7223.7	7299.8	7428.7	7540.0	7612.3	7668.9	7717.7	7725.6
12.5°	6971.7	6950.3	7026.4	7129.9	7338.9	7540.0	7692.4	7766.6	7809.5	7834.9
15°	6938.5	6921.0	6963.9	7053.8	7227.6	7487.3	7747.0	7883.7	7920.8	7950.1
17.5°	7098.7	7065.5	7083.1	7114.3	7215.9	7438.5	7790.0	8016.5	8073.2	8104.4
20°	7469.7	7422.9	7395.5	7333.0	7315.4	7446.3	7786.1	8176.7	8250.9	8289.9
22.5°	7963.8	7932.6	7874.0	7715.8	7543.9	7542.0	7860.3	8381.7	8520.4	8557.5
25°	8561.4	8514.5	8440.3	8225.5	7895.4	7731.4	7985.3	8643.4	8875.8	8885.6
27.5°	9248.8	9178.5	9076.9	8793.8	8348.5	8028.2	8176.7	8944.1	9283.9	9280.0
30°	9973.3	9903.0	9795.6	9451.9	8891.4	8428.6	8442.3	9268.3	9768.3	9746.8
32.5°	10502.5	10449.8	10428.3	10162.7	9516.3	8901.2	8746.9	9627.6	10365.8	10346.3
35°	10908.7	10840.4	10865.8	10731.0	10197.9	9430.4	9119.9	10055.3	11092.3	11090.3
37.5°	11311.0	11250.5	11272.0	11182.1	10828.7	10102.2	9574.9	10578.7	11992.6	12035.5
40°	11678.2	11613.7	11699.6	11615.7	11318.8	10816.9	10092.4	11170.4	13035.4	13117.4
42.5°	11898.8	11848.1	11990.6	11992.6	11744.6	11420.4	10660.7	11822.7	14242.3	14425.8
45°	11975.0	11957.4	12172.2	12217.1	12121.5	11769.9	11172.4	12533.5	15542.9	15871.0
47.5°	11893.0	11859.8	12156.6	12322.6	12398.8	11934.0	11596.1	13302.9	16870.8	17351.2
50°	11479.0	11414.5	11855.9	12205.4	12476.9	12041.4	12023.8	14191.5	18380.4	18905.7
52.5°	10734.9	10686.1	11188.0	11795.3	12305.0	12094.1	12504.2	15162.1	19813.8	20493.4
55°	9783.9	9719.4	10272.1	11065.0	11877.3	12076.5	12984.6	16247.9	21505.0	22194.4
57.5°	8276.3	8147.4	8846.5	9783.9	11180.2	12055.1	13484.6	17327.8	23223.5	24049.6
60°	6077.3	5885.9	6743.3	7854.4	9817.1	11846.1	14103.6	18538.6	25285.7	26029.8
62.5°	3538.6	3427.3	3987.8	5024.7	7399.4	10615.8	14451.2	19946.6	27312.8	28094.0
65°	2747.7	2716.4	2765.3	2845.3	4118.6	7948.2	13379.1	21319.5	29890.6	30437.4
67.5°	2513.3	2489.9	2511.4	2361.0	2089.6	4427.2	10584.6	21667.1	32652.0	32984.0
70°	2234.1	2206.7	2277.0	2148.2	1644.3	2013.4	6838.9	20405.5	34848.9	35471.9
72.5°	1820.1	1788.8	1952.9	1894.3	1384.6	1292.8	3435.1	17407.9	34618.5	35911.3
75°	1398.3	1380.7	1576.0	1624.8	1128.8	1017.4	1648.2	12939.7	30464.8	31767.3
77.5°	1085.8	1072.1	1171.7	1349.4	910.0	789.0	1013.5	8207.9	22957.9	23186.4
80°	814.3	775.3	867.1	1044.8	708.9	576.1	687.4	4786.5	14511.8	13154.5
82.5°	509.7	490.2	566.3	697.2	499.9	396.4	447.2	2644.2	5815.6	3425.3
85°	291.0	283.2	308.6	398.4	271.4	228.5	255.8	1167.8	1062.4	730.4
87.5°	117.2	113.3	140.6	177.7	99.6	84.0	89.8	281.2	234.3	216.8
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°
7411.1	0°	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1	7411.1
7440.4	2.5°	7432.6	7432.6	7405.3	7362.3	7313.5	7282.2	7231.5	7217.8	7165.1	7149.5
7506.8	5°	7522.5	7506.8	7422.9	7301.8	7135.8	6983.5	6815.5	6710.1	6561.6	6508.9
7637.7	7.5°	7635.7	7592.8	7448.2	7182.7	6835.0	6493.3	6137.9	5868.4	5610.6	5518.8
7745.1	10°	7739.2	7678.7	7432.6	6967.8	6366.4	5774.6	5208.3	4811.9	4511.1	4388.1
7864.2	12.5°	7842.7	7731.4	7329.1	6610.5	5700.4	4897.8	4294.4	3985.8	3800.3	3651.9
7961.8	15°	7940.4	7784.1	7169.0	6132.0	4970.1	4155.7	3710.5	3464.4	3316.0	3218.3
8104.4	17.5°	8053.6	7829.1	6928.8	5524.7	4274.8	3642.1	3278.9	3130.4	3101.2	3089.4
8299.7	20°	8211.8	7870.1	6612.4	4845.1	3763.2	3232.0	3044.5	3030.9	3028.9	3023.0
8534.0	22.5°	8381.7	7918.9	6194.5	4228.0	3327.7	2976.2	2943.0	2915.6	2898.1	2896.1
8817.2	25°	8582.9	7934.5	5671.1	3722.2	2956.6	2855.1	2816.0	2775.0	2763.3	2763.3
9139.4	27.5°	8778.1	7881.8	5061.8	3282.8	2747.7	2743.8	2693.0	2679.3	2677.4	2683.2
9506.6	30°	8973.4	7782.2	4456.4	2876.6	2626.6	2626.6	2609.0	2618.8	2626.6	2646.1
10010.4	32.5°	9237.1	7676.7	3950.7	2575.8	2521.2	2501.6	2519.2	2538.7	2546.5	2571.9
10672.4	35°	9623.7	7602.5	3548.4	2411.8	2411.8	2386.4	2396.2	2392.3	2374.7	2363.0
11473.1	37.5°	10135.4	7598.6	3216.4	2335.6	2320.0	2316.1	2318.1	2292.7	2224.3	2142.3
12441.7	40°	10750.5	7704.1	2960.5	2282.9	2271.2	2294.6	2282.9	2214.6	2027.1	1884.5
13633.0	42.5°	11576.6	8004.8	2796.5	2218.5	2253.6	2282.9	2236.0	1999.7	1872.8	1777.1
14990.2	45°	12549.1	8493.0	2712.5	2150.1	2220.4	2255.6	2029.0	1925.5	1824.0	1708.8
16470.5	47.5°	13650.6	9108.2	2693.0	2085.7	2146.2	2167.7	1941.2	1894.3	1779.1	1654.1
17958.6	50°	14849.6	9836.6	2745.7	2009.5	2038.8	1964.6	1911.9	1868.9	1749.8	1626.7
19483.8	52.5°	16089.7	10639.2	2851.2	1906.0	1931.4	1849.4	1900.1	1863.0	1732.2	1566.2
21059.7	55°	17308.3	11447.7	2952.7	1784.9	1822.0	1745.9	1866.9	1839.6	1652.1	1464.7
22741.2	57.5°	18546.4	12252.3	3052.3	1677.5	1716.6	1646.3	1814.2	1777.1	1562.3	1370.9
24576.9	60°	19833.3	13033.4	3099.2	1574.0	1601.4	1554.5	1734.1	1669.7	1460.7	1275.2
26381.3	62.5°	21038.3	13683.8	3023.0	1470.5	1488.1	1468.6	1628.7	1542.8	1359.2	1167.8
28261.9	65°	22247.1	14070.4	2788.7	1369.0	1372.9	1363.1	1480.3	1406.1	1240.1	1074.1
29908.2	67.5°	23342.6	14287.2	2415.7	1259.6	1249.8	1245.9	1341.6	1257.6	1124.9	980.3
31160.0	70°	23575.0	13736.5	1845.5	1130.7	1130.7	1120.9	1189.3	1103.4	997.9	880.7
30263.6	72.5°	21532.3	11555.1	1310.4	984.2	999.9	980.3	1037.0	964.7	869.0	790.9
26082.5	75°	17363.0	8473.5	953.0	833.9	861.2	828.0	880.7	830.0	747.9	746.0
17974.2	77.5°	11930.1	5239.5	691.3	687.4	706.9	664.0	724.5	697.2	623.0	589.8
7823.2	80°	5091.1	2089.6	503.8	531.2	531.2	492.1	562.4	570.2	505.8	490.2
1509.6	82.5°	1013.5	593.7	353.5	365.2	343.7	332.0	398.4	441.3	609.3	677.6
455.0	85°	304.6	218.7	212.9	199.2	175.8	177.7	234.3	443.3	546.8	312.5
150.4	87.5°	84.0	54.7	56.6	44.9	37.1	48.8	80.1	335.9	183.6	78.1
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>
7411.1
7174.8
6548.0
5530.5
4415.4
3700.7
3235.9
3097.3
3042.6
2917.6
2775.0
2698.9
2659.8
2593.4
2390.3
2144.3
1880.6
1773.2
1700.9
1644.3
1613.1
1554.5
1454.9
1367.0
1269.4
1165.9
1062.4
968.6
876.8
767.5
671.8
552.7
490.2
679.6
269.5
66.4
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