

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: P943177

Luminaire Tested: **GALN-SB7C-740-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943177  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-740-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

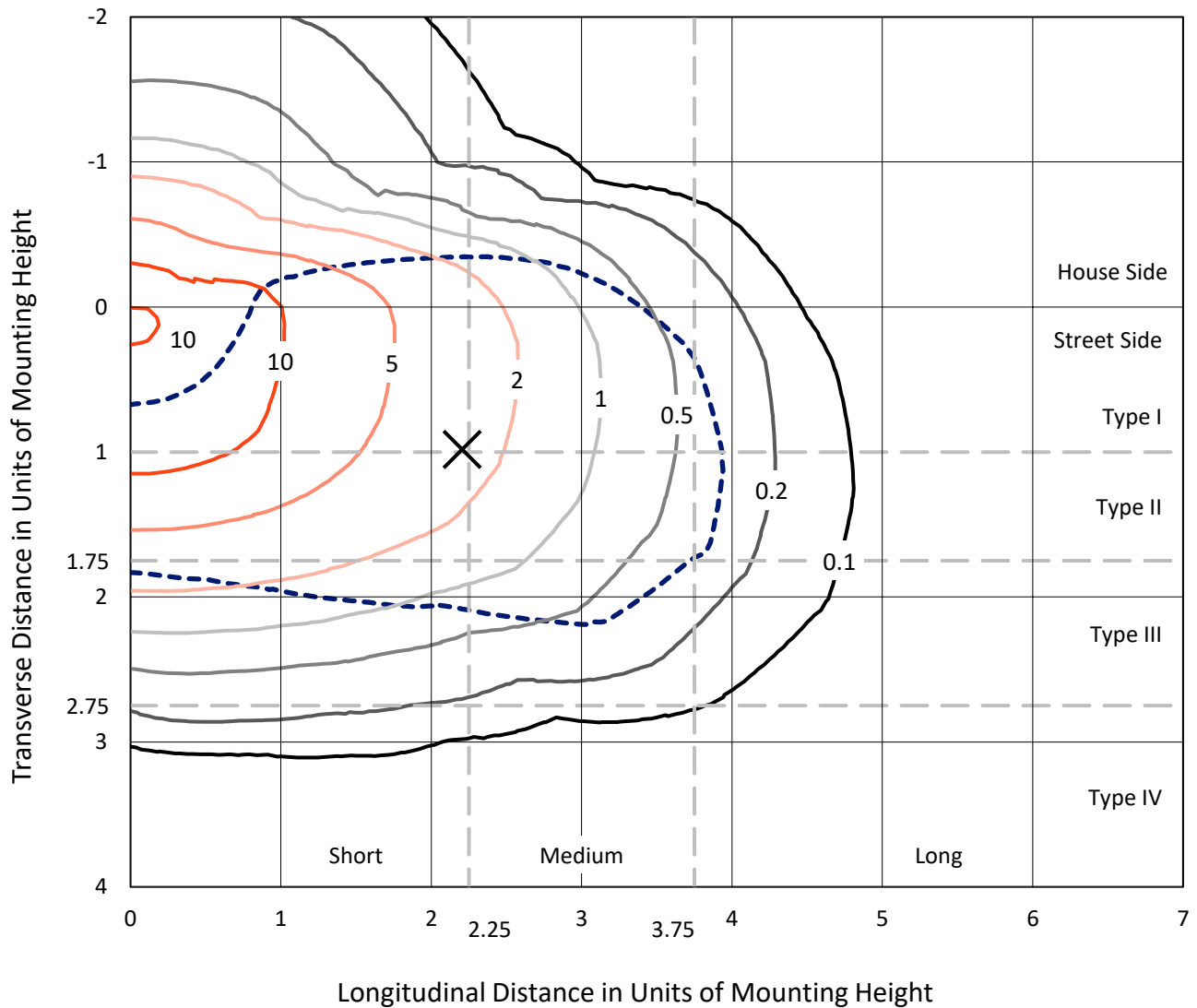
Lumens per Lamp: N/A  
Luminaire Lumens: 56386 lumens  
Efficiency: N/A  
Efficacy: 160.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

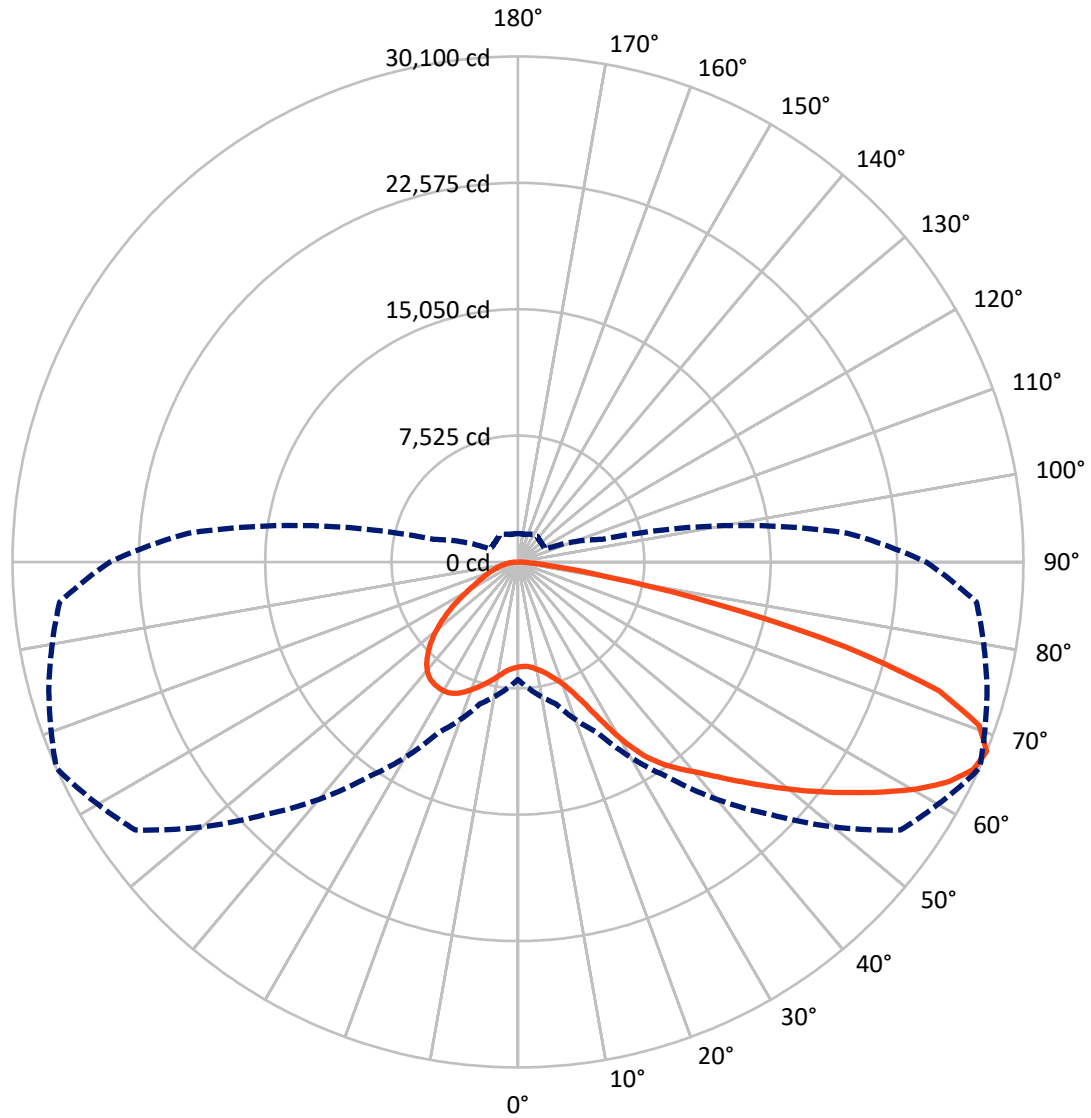
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14020.2	0.0	14020.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	42365.8	0.0	42365.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	56386.0	0.0	56386.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	620.0	1.1
10°-20°	2048.6	3.6
20°-30°	3948.5	7.0
30°-40°	6923.2	12.3
40°-50°	10292.5	18.3
50°-60°	13046.8	23.1
60°-70°	12766.0	22.6
70°-80°	6089.5	10.8
80°-90°	650.8	1.2
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°	56386.0	100.0
0°-180°	56386.0	100.0

**Coefficient of Utilization**



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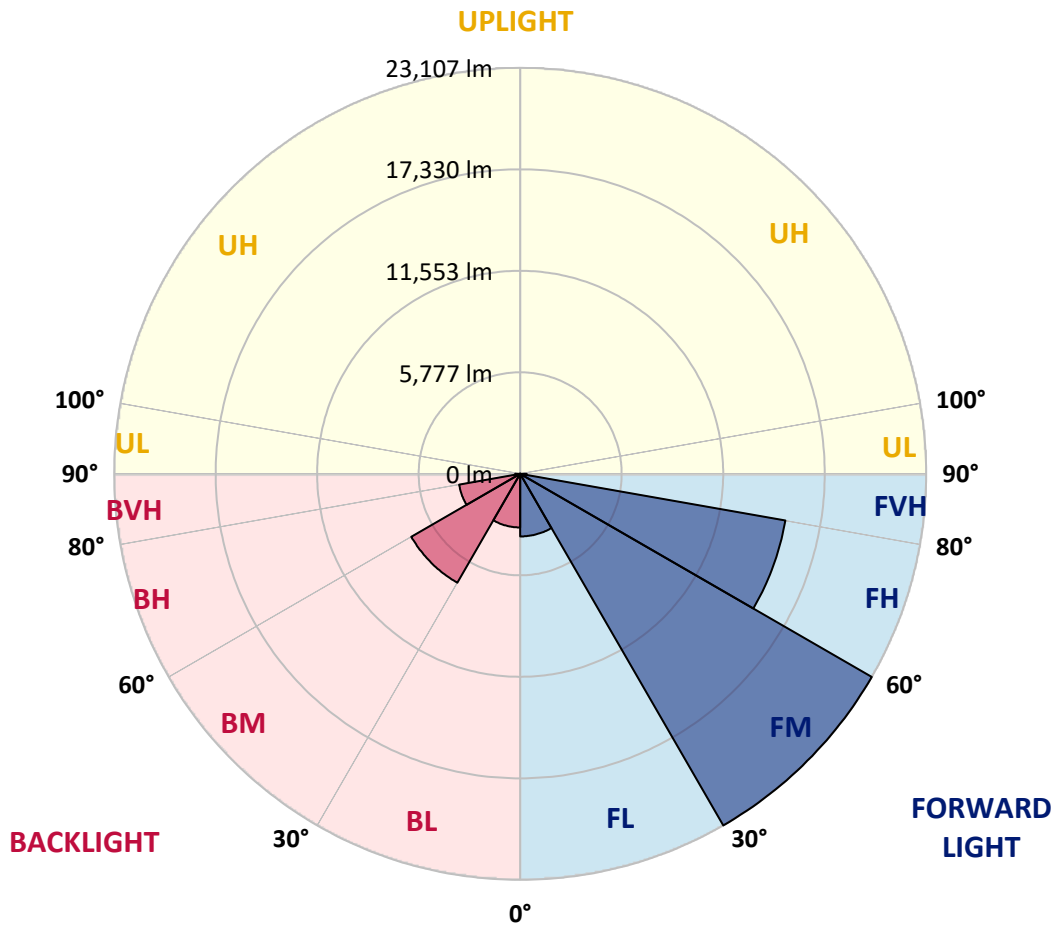
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3563.0	6.3			
FM (30°-60°)	23106.5	41.0			
FH (60°-80°)	15327.3	27.2			G5
FVH (80°-90°)	369.0	0.7			G3/500
BL (0°-30°)	3054.1	5.4	B4/5000		
BM (30°-60°)	7156.1	12.7	B4/8500		
BH (60°-80°)	3528.2	6.3	B4/5000		G4/5000
BVH (80°-90°)	281.8	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0
2.5°	6188.8	6224.3	6215.4	6200.6	6197.7	6203.6	6212.5	6221.4	6218.4	6233.2
5°	6171.0	6206.6	6203.6	6203.6	6215.4	6239.1	6254.0	6268.8	6254.0	6271.7
7.5°	6182.9	6209.5	6221.4	6233.2	6262.8	6307.3	6342.8	6375.4	6357.6	6378.4
10°	6333.9	6354.7	6366.5	6366.5	6387.3	6437.6	6473.2	6532.4	6517.6	6550.2
12.5°	6609.5	6630.2	6630.2	6618.3	6633.2	6665.7	6677.6	6742.8	6716.1	6769.4
15°	6947.2	6988.7	6956.1	6935.3	6941.3	6973.9	6970.9	7021.3	6994.6	7039.0
17.5°	7320.5	7373.8	7320.5	7317.5	7305.7	7341.2	7344.2	7388.6	7341.2	7373.8
20°	7761.9	7836.0	7791.5	7806.3	7779.7	7794.5	7809.3	7874.5	7800.4	7824.1
22.5°	8384.0	8472.9	8425.5	8481.8	8464.0	8452.2	8449.2	8564.7	8449.2	8458.1
25°	9290.6	9397.2	9314.3	9391.3	9391.3	9429.8	9474.2	9622.4	9429.8	9373.5
27.5°	10629.6	10736.3	10573.4	10620.8	10605.9	10700.7	10653.3	11020.7	10813.3	10721.5
30°	12241.3	12430.9	12122.8	12110.9	12096.1	12247.2	12315.3	12558.3	12347.9	12256.1
32.5°	13983.3	14181.7	13814.4	13707.7	13651.5	13743.3	13687.0	13882.5	13737.4	13595.2
35°	15826.0	16021.5	15671.9	15464.5	15239.4	15046.8	14845.4	14895.7	14759.4	14543.2
37.5°	17567.9	17926.4	17556.1	17333.9	16919.1	16542.9	15980.0	15746.0	15618.6	15420.1
40°	19342.5	19546.9	19265.5	19075.9	18625.6	18036.0	17135.4	16640.7	16468.8	16276.3
42.5°	20649.0	20844.5	20693.4	20563.1	20210.5	19526.2	18361.9	17742.7	17493.9	17277.6
45°	21685.9	21831.1	21736.3	21783.7	21632.6	20969.0	19632.8	18924.8	18667.1	18403.4
47.5°	22103.6	22257.7	22408.8	22690.2	22947.9	22459.1	20998.6	20204.6	19932.1	19662.5
50°	22056.2	22213.2	22651.7	23250.1	24050.0	23887.1	22438.4	21567.4	21315.6	21007.5
52.5°	21677.0	21854.8	22417.6	23413.1	24687.0	24956.6	23904.9	22974.6	22737.6	22370.2
55°	20681.6	20788.2	21632.6	23042.7	24838.1	25703.1	25341.7	24473.7	24236.7	23724.1
57.5°	18835.9	18990.0	20219.4	22044.4	24458.9	26209.7	26603.7	26049.7	25821.6	25083.9
60°	16427.4	16673.3	18080.5	20367.6	23493.1	26206.8	27750.2	27599.2	27409.6	26423.0
62.5°	13701.8	13986.2	15340.1	17997.5	21804.4	25463.2	28467.2	28896.8	28799.0	27658.4
65°	10523.0	10718.5	12066.5	14931.3	19176.6	23866.3	28550.1	29782.6	29800.3	28597.5
67.5°	7006.4	7569.3	8739.5	11204.4	15657.1	21256.3	27821.3	29927.7	30099.6	28920.5
70°	3418.8	4159.4	5305.9	7282.0	11204.4	17253.9	25916.4	28736.8	29118.9	27978.4
72.5°	1419.1	1659.0	2284.1	3593.6	6431.7	11642.8	22088.8	25507.6	26215.6	24790.7
75°	956.9	1036.9	1306.5	1842.7	2930.0	5741.4	15929.7	19019.6	20160.2	18723.3
77.5°	737.7	788.0	951.0	1288.7	1742.0	2171.6	8526.2	11462.1	12051.7	11157.0
80°	580.7	619.2	711.0	939.1	1235.4	1161.3	2906.3	5193.4	5534.1	4642.3
82.5°	503.6	518.4	509.6	636.9	820.6	678.4	953.9	1916.8	2115.3	1534.6
85°	364.4	405.9	423.6	394.0	435.5	343.7	391.1	678.4	746.6	666.6
87.5°	148.1	219.2	269.6	254.8	160.0	97.8	121.5	198.5	228.1	248.9
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°
6254.0	0°	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0
6256.9	2.5°	6259.9	6280.6	6295.4	6313.2	6325.1	6342.8	6378.4	6399.1	6402.1	6416.9
6304.3	5°	6316.2	6345.8	6378.4	6425.8	6479.1	6523.5	6591.7	6639.1	6656.9	6671.7
6419.9	7.5°	6437.6	6479.1	6538.4	6621.3	6698.3	6757.6	6840.5	6896.8	6953.1	6973.9
6603.5	10°	6618.3	6677.6	6763.5	6876.1	6959.0	7036.1	7122.0	7169.4	7225.7	7249.4
6822.8	12.5°	6843.5	6905.7	7018.3	7175.3	7252.3	7305.7	7335.3	7323.4	7335.3	7356.0
7086.4	15°	7101.2	7169.4	7296.8	7465.6	7519.0	7471.6	7406.4	7347.1	7338.2	7344.2
7406.4	17.5°	7406.4	7456.7	7604.9	7747.1	7708.6	7513.0	7370.8	7276.0	7228.6	7213.8
7815.2	20°	7833.0	7833.0	7954.5	8043.3	7785.6	7453.8	7231.6	7077.5	6979.8	6938.3
8372.2	22.5°	8351.4	8304.0	8381.1	8318.9	7770.8	7287.9	6979.8	6713.1	6565.0	6505.8
9151.3	25°	9009.1	8952.8	8932.1	8547.0	7664.1	7024.2	6523.5	6200.6	6070.3	6037.7
10274.1	27.5°	10001.6	9859.4	9589.8	8671.4	7468.6	6609.5	5990.3	5691.1	5617.0	5620.0
11716.9	30°	11322.9	11038.5	10377.8	8692.1	7148.6	6022.9	5445.2	5231.9	5196.3	5211.1
12928.6	32.5°	12546.4	12276.8	11183.6	8597.3	6656.9	5448.1	4956.4	4814.2	4760.8	4778.6
13852.9	35°	13506.3	13432.2	11930.2	8464.0	6052.5	4909.0	4517.9	4396.4	4292.7	4269.0
14723.9	37.5°	14412.8	14383.2	12490.1	8277.4	5454.1	4526.8	4165.4	4005.4	3854.3	3771.3
15686.7	40°	15408.2	15378.6	12857.5	7990.0	4923.8	4195.0	3848.4	3638.0	3451.4	3300.3
16776.9	42.5°	16528.1	16353.3	13032.3	7578.2	4473.5	3913.5	3590.6	3306.2	3060.3	2921.1
18009.4	45°	17751.6	17357.6	13029.3	7053.8	4094.3	3655.8	3315.1	2912.2	2684.1	2553.7
19274.4	47.5°	19049.2	18317.5	12869.3	6473.2	3726.9	3371.4	2888.5	2580.4	2429.3	2349.3
20649.0	50°	20388.3	19215.1	12596.8	5806.6	3350.6	3048.5	2621.9	2411.5	2296.0	2221.9
22011.8	52.5°	21647.4	20029.8	12267.9	5051.2	2968.5	2734.4	2503.4	2340.4	2219.0	2136.0
23333.1	55°	22817.6	20732.0	11802.8	4277.9	2657.4	2524.1	2447.1	2310.8	2171.6	2073.8
24675.1	57.5°	23857.5	21188.2	11000.0	3552.1	2435.2	2378.9	2387.8	2260.4	2100.5	2017.5
25996.4	60°	24722.5	21523.0	9812.0	2879.6	2254.5	2236.7	2296.0	2165.6	1979.0	1884.2
27113.3	62.5°	25241.0	21517.0	8354.4	2358.2	2100.5	2106.4	2174.5	2047.1	1857.5	1768.6
27696.9	65°	25196.5	20989.7	6754.6	2017.5	1952.3	1958.2	2047.1	1916.8	1756.8	1703.5
27403.6	67.5°	24304.8	19704.0	5181.5	1795.3	1789.4	1816.0	1919.7	1827.9	1694.6	1688.7
25655.7	70°	21890.3	17034.7	3732.8	1617.6	1620.5	1659.0	1795.3	1771.6	1662.0	1673.8
21570.4	72.5°	17553.1	12987.8	2506.3	1430.9	1433.9	1496.1	1676.8	1727.2	1629.4	1786.4
15304.6	75°	11690.2	8099.6	1611.6	1232.4	1235.4	1315.4	1573.1	1641.3	1540.5	1780.5
7963.3	77.5°	5617.0	3641.0	1167.2	1036.9	1036.9	1111.0	1359.8	1469.4	1312.4	1383.5
2559.6	80°	1940.5	1368.7	918.4	835.4	817.7	868.0	1146.5	1273.9	1131.7	1042.8
835.4	82.5°	764.3	711.0	737.7	648.8	589.5	622.1	891.7	1051.7	832.5	752.5
471.0	85°	438.5	462.2	521.4	429.6	340.7	382.2	654.7	755.5	628.1	554.0
154.1	87.5°	118.5	162.9	240.0	222.2	154.1	162.9	311.1	417.7	361.4	278.5
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>
6254.0
6413.9
6668.7
6976.8
7261.2
7361.9
7364.9
7234.6
6929.4
6496.9
6043.6
5628.9
5261.5
4802.3
4286.8
3774.3
3315.1
2930.0
2547.8
2331.5
2195.3
2100.5
2035.3
1964.2
1842.7
1742.0
1700.5
1697.5
1670.9
1810.1
1795.3
1268.0
977.6
749.5
565.8
287.4
0.0

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