

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: P941217

Luminaire Tested: **GALN-SB4C-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941217  
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-SB4C-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

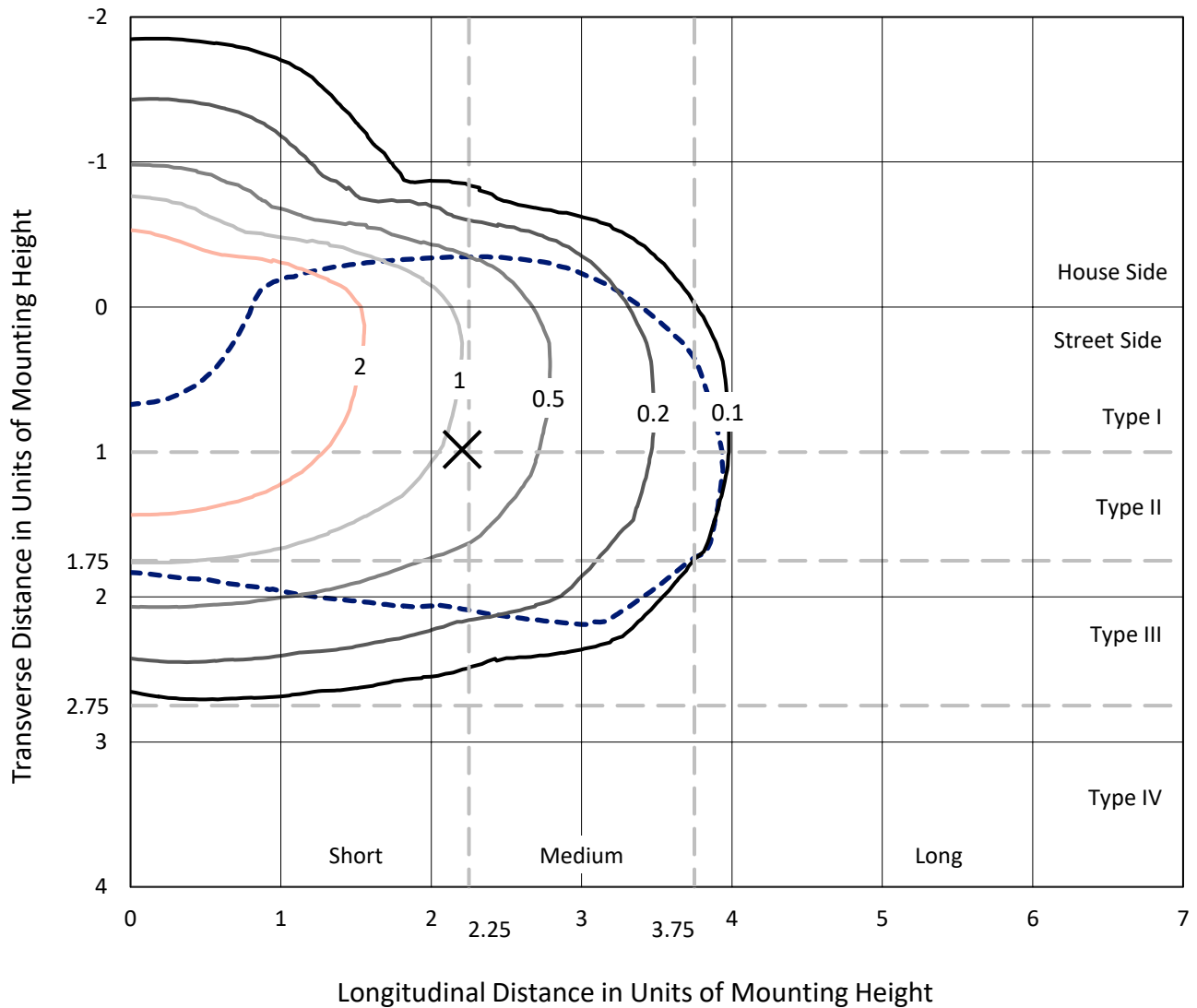
Lumens per Lamp: N/A  
Luminaire Lumens: 18282 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

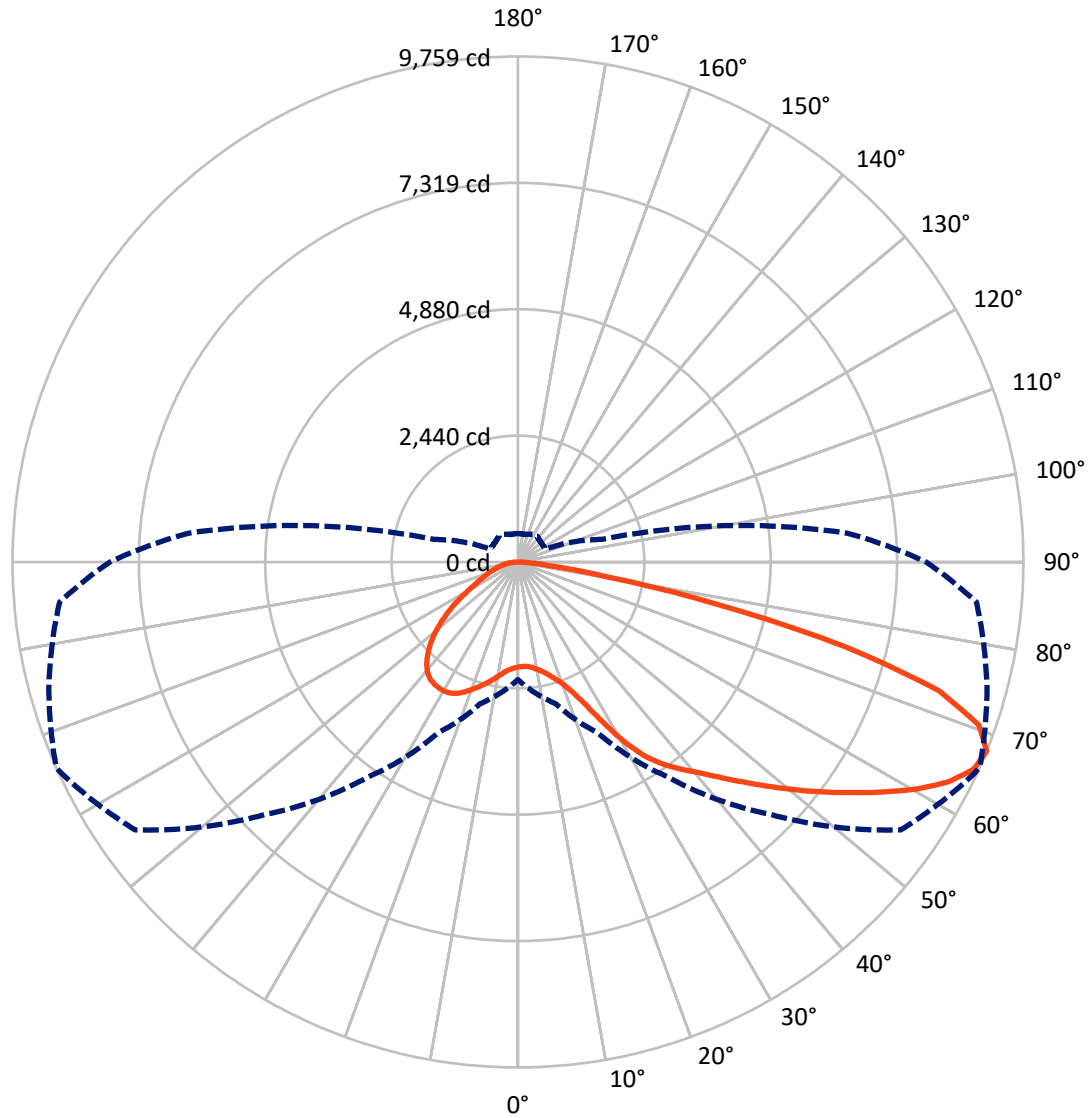
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	4545.8	0.0	4545.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	13736.2	0.0	13736.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	18282.0	0.0	18282.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.0	1.1
10°-20°	664.2	3.6
20°-30°	1280.2	7.0
30°-40°	2244.7	12.3
40°-50°	3337.1	18.3
50°-60°	4230.2	23.1
60°-70°	4139.1	22.6
70°-80°	1974.4	10.8
80°-90°	211.0	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°	18282.0	100.0
0°-180°	18282.0	100.0



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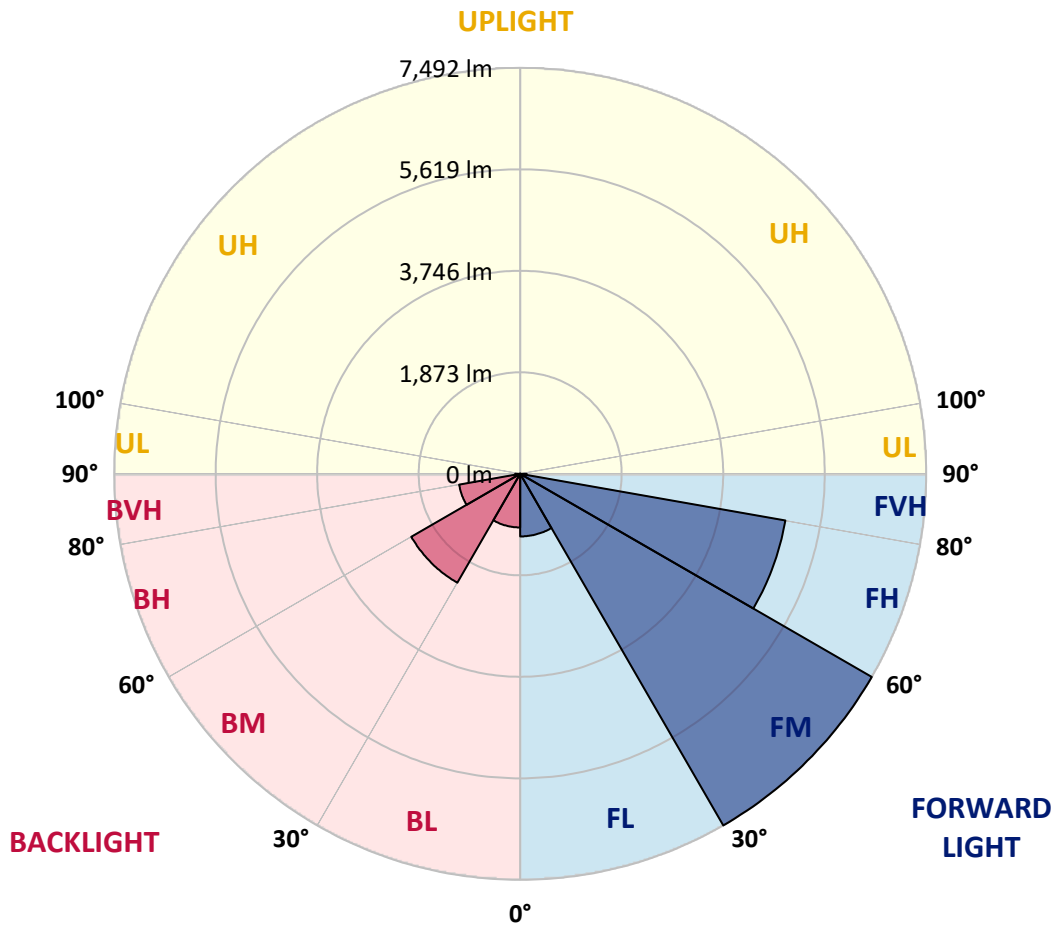
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1155.2	6.3			
FM (30°-60°)	7491.8	41.0			
FH (60°-80°)	4969.5	27.2			G2/5000
FVH (80°-90°)	119.6	0.7			G2/225
BL (0°-30°)	990.2	5.4	B2/1000		
BM (30°-60°)	2320.2	12.7	B2/2500		
BH (60°-80°)	1143.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	91.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7
2.5°	2006.6	2018.1	2015.2	2010.4	2009.5	2011.4	2014.3	2017.1	2016.2	2021.0
5°	2000.8	2012.3	2011.4	2011.4	2015.2	2022.9	2027.7	2032.5	2027.7	2033.5
7.5°	2004.7	2013.3	2017.1	2021.0	2030.6	2045.0	2056.5	2067.1	2061.3	2068.1
10°	2053.7	2060.4	2064.2	2064.2	2070.9	2087.3	2098.8	2118.0	2113.2	2123.8
12.5°	2143.0	2149.7	2149.7	2145.9	2150.7	2161.2	2165.1	2186.2	2177.6	2194.9
15°	2252.5	2265.9	2255.4	2248.6	2250.6	2261.1	2260.2	2276.5	2267.9	2282.3
17.5°	2373.5	2390.8	2373.5	2372.6	2368.7	2380.2	2381.2	2395.6	2380.2	2390.8
20°	2516.6	2540.6	2526.2	2531.0	2522.4	2527.2	2532.0	2553.1	2529.1	2536.8
22.5°	2718.3	2747.2	2731.8	2750.0	2744.3	2740.4	2739.5	2776.9	2739.5	2742.4
25°	3012.3	3046.9	3020.0	3044.9	3044.9	3057.4	3071.8	3119.9	3057.4	3039.2
27.5°	3446.4	3481.0	3428.2	3443.6	3438.8	3469.5	3454.1	3573.2	3506.0	3476.2
30°	3969.0	4030.5	3930.6	3926.7	3921.9	3970.9	3993.0	4071.8	4003.6	3973.8
32.5°	4533.8	4598.1	4479.0	4444.5	4426.2	4456.0	4437.7	4501.1	4454.1	4408.0
35°	5131.2	5194.6	5081.3	5014.1	4941.1	4878.6	4813.3	4829.6	4785.4	4715.3
37.5°	5696.0	5812.3	5692.2	5620.2	5485.7	5363.7	5181.2	5105.3	5064.0	4999.6
40°	6271.4	6337.7	6246.4	6185.0	6039.0	5847.8	5555.8	5395.4	5339.7	5277.2
42.5°	6695.0	6758.4	6709.4	6667.2	6552.9	6331.0	5953.5	5752.7	5672.0	5601.9
45°	7031.2	7078.3	7047.5	7062.9	7013.9	6798.8	6365.5	6136.0	6052.4	5966.9
47.5°	7166.6	7216.6	7265.6	7356.8	7440.4	7281.9	6808.4	6550.9	6462.6	6375.2
50°	7151.3	7202.2	7344.3	7538.4	7797.7	7744.9	7275.2	6992.8	6911.1	6811.2
52.5°	7028.3	7086.0	7268.5	7591.2	8004.2	8091.7	7750.7	7449.0	7372.2	7253.1
55°	6705.6	6740.2	7013.9	7471.1	8053.2	8333.7	8216.5	7935.1	7858.2	7692.1
57.5°	6107.2	6157.1	6555.7	7147.4	7930.3	8498.0	8625.7	8446.1	8372.1	8133.0
60°	5326.2	5406.0	5862.2	6603.8	7617.1	8497.0	8997.4	8948.5	8887.0	8567.1
62.5°	4442.5	4534.7	4973.7	5835.3	7069.6	8255.9	9229.9	9369.2	9337.5	8967.7
65°	3411.9	3475.3	3912.3	4841.2	6217.6	7738.2	9256.8	9656.4	9662.1	9272.2
67.5°	2271.7	2454.2	2833.6	3632.8	5076.5	6891.9	9020.5	9703.4	9759.2	9376.9
70°	1108.5	1348.6	1720.3	2361.0	3632.8	5594.2	8402.9	9317.3	9441.2	9071.4
72.5°	460.1	537.9	740.6	1165.1	2085.3	3775.0	7161.8	8270.3	8499.9	8037.9
75°	310.3	336.2	423.6	597.5	950.0	1861.5	5164.9	6166.7	6536.5	6070.7
77.5°	239.2	255.5	308.3	417.8	564.8	704.1	2764.5	3716.4	3907.5	3617.4
80°	188.3	200.8	230.5	304.5	400.5	376.5	942.3	1683.8	1794.3	1505.2
82.5°	163.3	168.1	165.2	206.5	266.1	220.0	309.3	621.5	685.8	497.6
85°	118.1	131.6	137.4	127.8	141.2	111.4	126.8	220.0	242.1	216.1
87.5°	48.0	71.1	87.4	82.6	51.9	31.7	39.4	64.4	74.0	80.7
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°
2027.7	0°	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7	2027.7
2028.7	2.5°	2029.6	2036.4	2041.2	2046.9	2050.8	2056.5	2068.1	2074.8	2075.7	2080.5
2044.0	5°	2047.9	2057.5	2068.1	2083.4	2100.7	2115.1	2137.2	2152.6	2158.3	2163.2
2081.5	7.5°	2087.3	2100.7	2119.9	2146.8	2171.8	2191.0	2217.9	2236.2	2254.4	2261.1
2141.1	10°	2145.9	2165.1	2192.9	2229.4	2256.3	2281.3	2309.2	2324.5	2342.8	2350.5
2212.1	12.5°	2218.9	2239.0	2275.5	2326.4	2351.4	2368.7	2378.3	2374.5	2378.3	2385.0
2297.6	15°	2302.4	2324.5	2365.8	2420.6	2437.9	2422.5	2401.4	2382.2	2379.3	2381.2
2401.4	17.5°	2401.4	2417.7	2465.7	2511.8	2499.3	2435.9	2389.8	2359.1	2343.7	2338.9
2533.9	20°	2539.7	2539.7	2579.1	2607.9	2524.3	2416.7	2344.7	2294.7	2263.0	2249.6
2714.5	22.5°	2707.8	2692.4	2717.4	2697.2	2519.5	2362.9	2263.0	2176.6	2128.6	2109.4
2967.1	25°	2921.0	2902.8	2896.1	2771.2	2484.9	2277.5	2115.1	2010.4	1968.2	1957.6
3331.2	27.5°	3242.8	3196.7	3109.3	2811.5	2421.5	2143.0	1942.2	1845.2	1821.2	1822.2
3799.0	30°	3671.2	3579.0	3364.8	2818.2	2317.8	1952.8	1765.5	1696.3	1684.8	1689.6
4191.8	32.5°	4067.9	3980.5	3626.1	2787.5	2158.3	1766.4	1607.0	1560.9	1543.6	1549.4
4491.5	35°	4379.1	4355.1	3868.1	2744.3	1962.4	1591.6	1464.8	1425.5	1391.8	1384.1
4773.9	37.5°	4673.1	4663.5	4049.7	2683.8	1768.4	1467.7	1350.5	1298.7	1249.7	1222.8
5086.1	40°	4995.8	4986.2	4168.8	2590.6	1596.4	1360.1	1247.8	1179.6	1119.0	1070.0
5439.6	42.5°	5358.9	5302.2	4225.4	2457.1	1450.4	1268.9	1164.2	1072.0	992.2	947.1
5839.2	45°	5755.6	5627.8	4224.5	2287.1	1327.5	1185.3	1074.9	944.2	870.3	828.0
6249.3	47.5°	6176.3	5939.1	4172.6	2098.8	1208.4	1093.1	936.5	836.6	787.6	761.7
6695.0	50°	6610.5	6230.1	4084.2	1882.7	1086.4	988.4	850.1	781.9	744.4	720.4
7136.9	52.5°	7018.7	6494.3	3977.6	1637.7	962.5	886.6	811.7	758.8	719.4	692.6
7565.3	55°	7398.1	6721.9	3826.8	1387.0	861.6	818.4	793.4	749.2	704.1	672.4
8000.4	57.5°	7735.3	6869.8	3566.5	1151.7	789.6	771.3	774.2	732.9	681.0	654.1
8428.8	60°	8015.8	6978.4	3181.3	933.7	731.0	725.2	744.4	702.2	641.6	610.9
8790.9	62.5°	8183.9	6976.5	2708.7	764.6	681.0	682.9	705.0	663.7	602.3	573.4
8980.2	65°	8169.5	6805.5	2190.0	654.1	633.0	634.9	663.7	621.5	569.6	552.3
<b>8885.1</b>	<b>67.5°</b>	<b>7880.3</b>	<b>6388.6</b>	<b>1680.0</b>	<b>582.1</b>	<b>580.2</b>	<b>588.8</b>	<b>622.4</b>	<b>592.7</b>	<b>549.4</b>	<b>547.5</b>
8318.3	70°	7097.5	5523.1	1210.3	524.5	525.4	537.9	582.1	574.4	538.9	542.7
6993.7	72.5°	5691.2	4211.0	812.6	463.9	464.9	485.1	543.7	560.0	528.3	579.2
4962.2	75°	3790.3	2626.1	522.5	399.6	400.5	426.5	510.1	532.1	499.5	577.3
2582.0	77.5°	1821.2	1180.5	378.5	336.2	336.2	360.2	440.9	476.4	425.5	448.6
829.9	80°	629.2	443.8	297.8	270.9	265.1	281.4	371.7	413.0	366.9	338.1
270.9	82.5°	247.8	230.5	239.2	210.4	191.1	201.7	289.1	341.0	269.9	244.0
152.7	85°	142.2	149.8	169.1	139.3	110.5	123.9	212.3	244.9	203.6	179.6
49.9	87.5°	38.4	52.8	77.8	72.0	49.9	52.8	100.9	135.4	117.2	90.3
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

180°  
2027.7  
2079.6  
2162.2  
2262.1  
2354.3  
2387.0  
2387.9  
2345.7  
2246.7  
2106.5  
1959.5  
1825.0  
1705.9  
1557.0  
1389.9  
1223.7  
1074.9  
950.0  
826.1  
756.0  
711.8  
681.0  
659.9  
636.8  
597.5  
564.8  
551.4  
550.4  
541.7  
586.9  
582.1  
411.1  
317.0  
243.0  
183.5  
93.2  
0.0

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