

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: STREETWORKS

Report Number: P847768

Luminaire Tested: **GLAN-SB4A-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17654 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

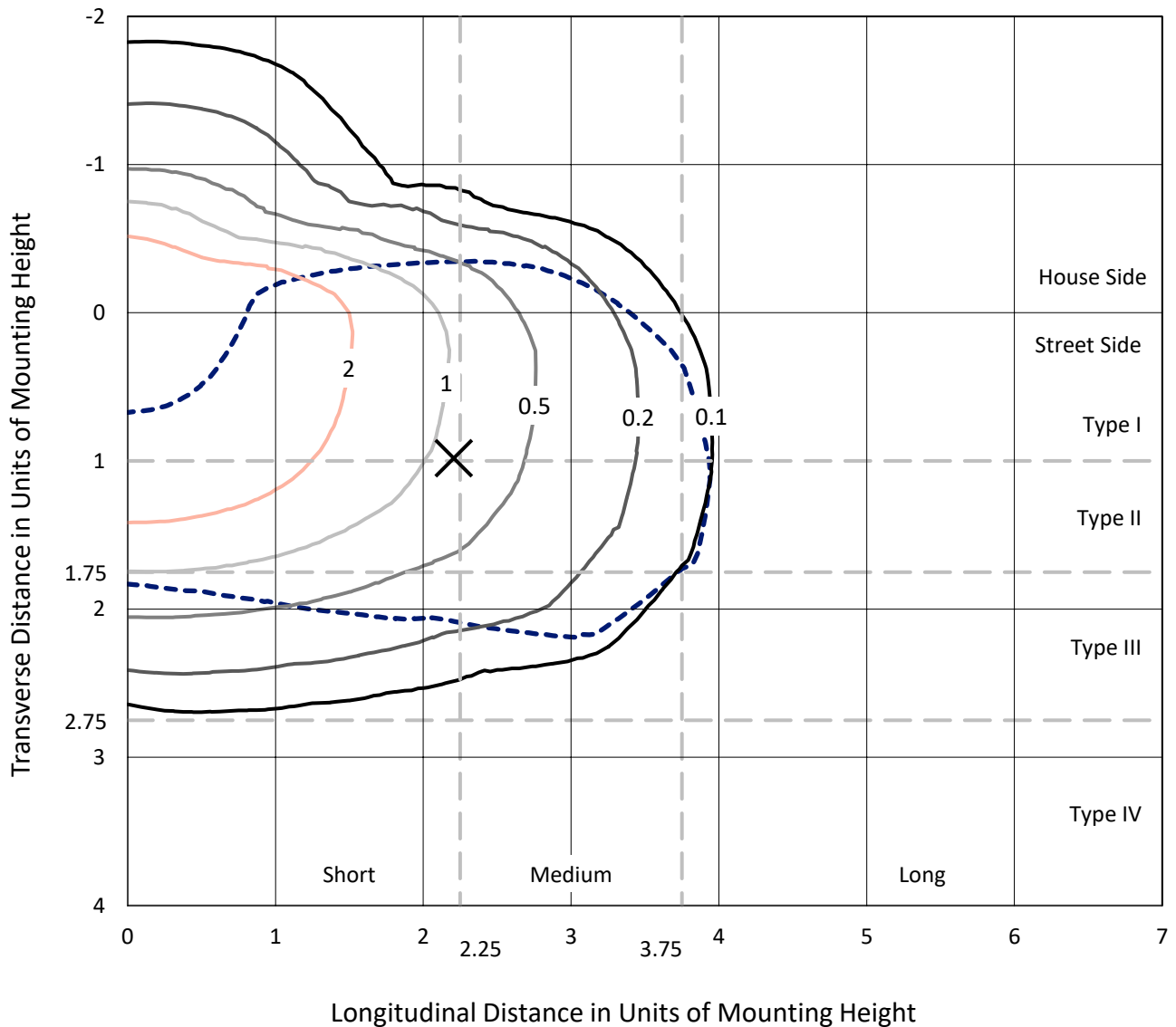
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

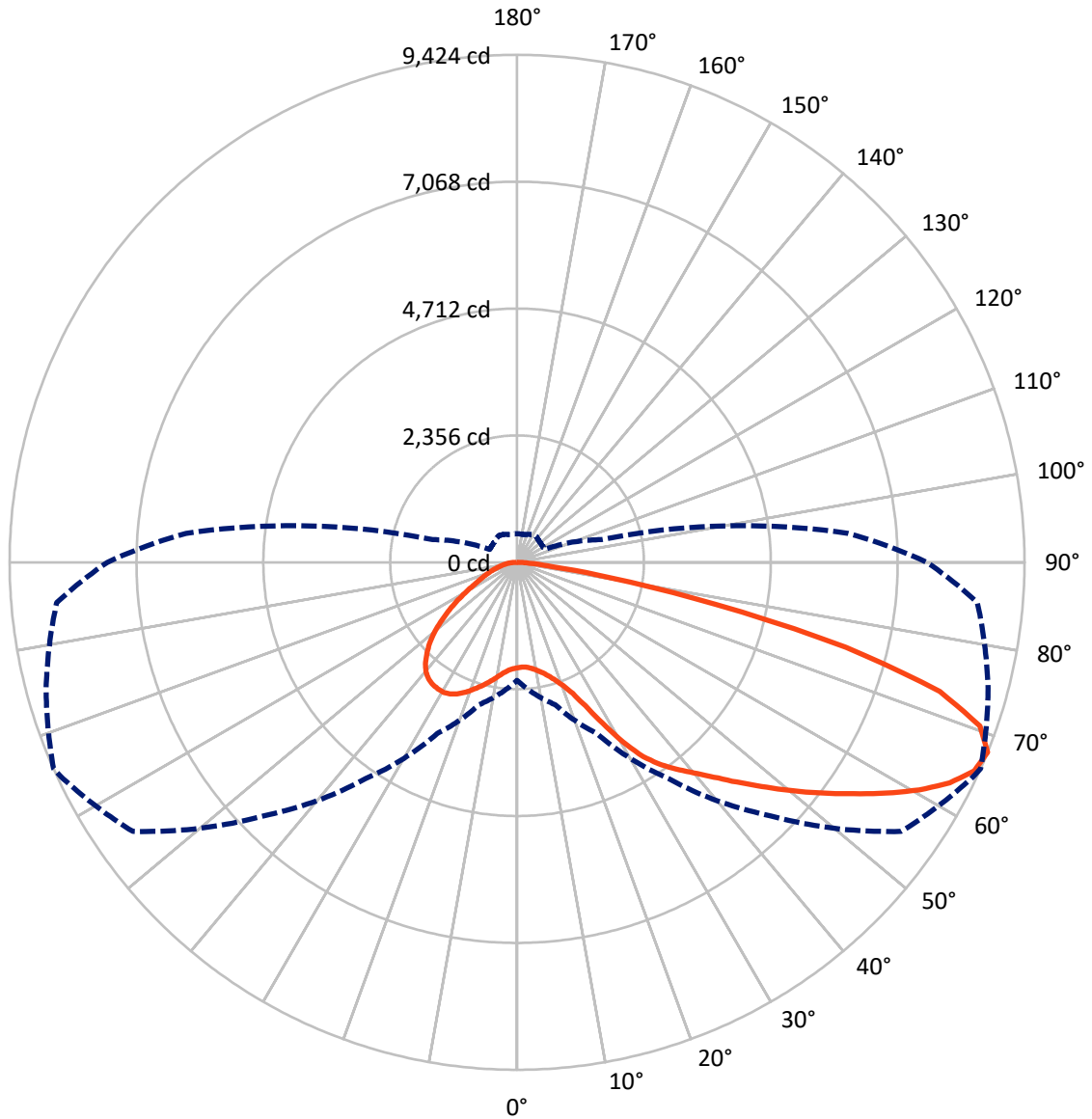
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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
House Side	Lumens	4389.6	0.0	4389.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13264.4	0.0	13264.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	17654.0	0.0	17654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	1.1
10°-20°	641.4	3.6
20°-30°	1236.3	7.0
30°-40°	2167.6	12.3
40°-50°	3222.5	18.3
50°-60°	4084.9	23.1
60°-70°	3996.9	22.6
70°-80°	1906.6	10.8
80°-90°	203.8	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°	17654.0	100.0
0°-180°	17654.0	100.0

Coefficient of Utilization



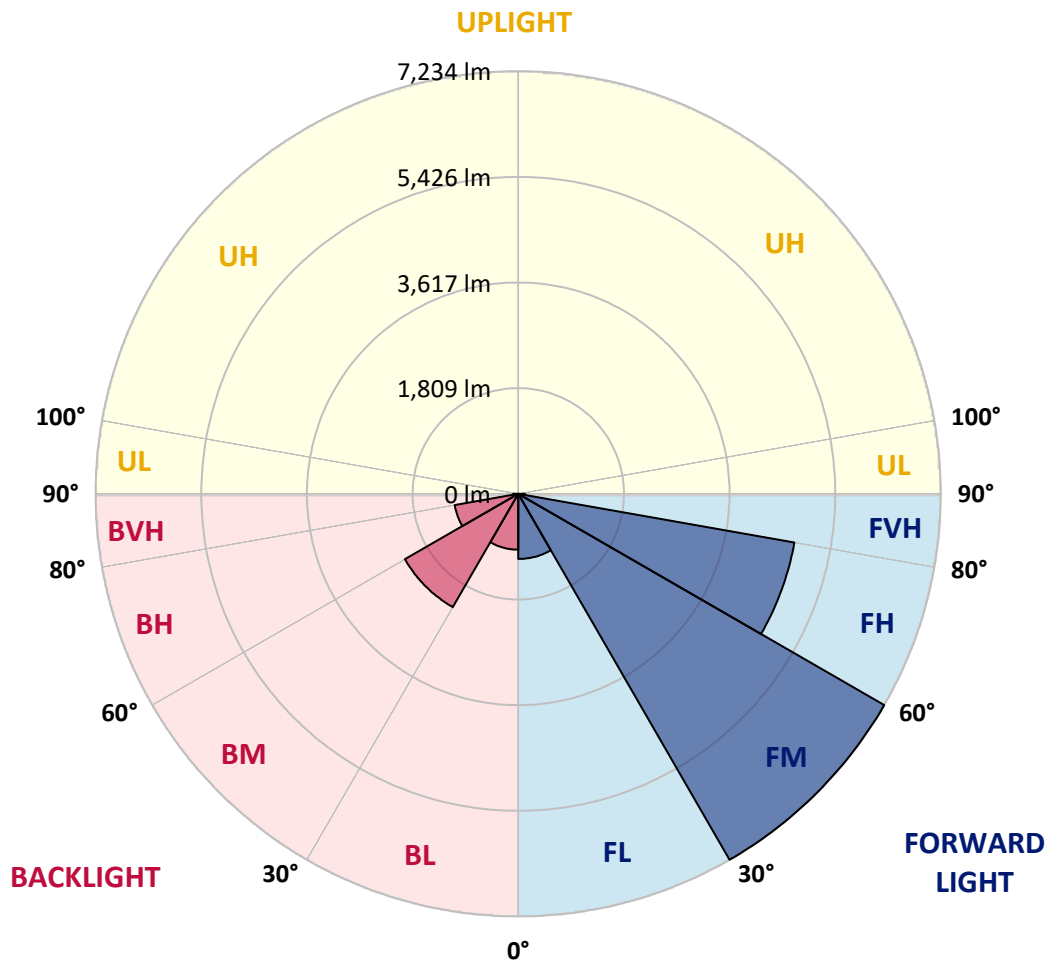
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1115.6	6.3			
FM (30°-60°)	7234.5	41.0			
FH (60°-80°)	4798.8	27.2			G2/5000
FVH (80°-90°)	115.5	0.7			G2/225
BL (0°-30°)	956.2	5.4	B2/1000		
BM (30°-60°)	2240.5	12.7	B2/2500		
BH (60°-80°)	1104.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	88.2	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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 CATALOG NUMBER: GLAN-SB4A-735-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1
2.5°	1937.7	1948.8	1946.0	1941.4	1940.4	1942.3	1945.1	1947.9	1946.9	1951.6
5°	1932.1	1943.2	1942.3	1942.3	1946.0	1953.4	1958.1	1962.7	1958.1	1963.6
7.5°	1935.8	1944.1	1947.9	1951.6	1960.8	1974.8	1985.9	1996.1	1990.5	1997.0
10°	1983.1	1989.6	1993.3	1993.3	1999.8	2015.6	2026.7	2045.3	2040.6	2050.8
12.5°	2069.4	2075.9	2075.9	2072.2	2076.8	2087.0	2090.7	2111.1	2102.8	2119.5
15°	2175.1	2188.1	2177.9	2171.4	2173.3	2183.5	2182.5	2198.3	2189.9	2203.9
17.5°	2292.0	2308.7	2292.0	2291.1	2287.3	2298.5	2299.4	2313.3	2298.5	2308.7
20°	2430.2	2453.4	2439.5	2444.1	2435.8	2440.4	2445.0	2465.4	2442.2	2449.7
22.5°	2625.0	2652.8	2638.0	2655.6	2650.0	2646.3	2645.4	2681.6	2645.4	2648.2
25°	2908.8	2942.2	2916.2	2940.3	2940.3	2952.4	2966.3	3012.7	2952.4	2934.8
27.5°	3328.1	3361.4	3310.4	3325.3	3320.6	3350.3	3335.5	3450.5	3385.6	3356.8
30°	3832.6	3892.0	3795.5	3791.8	3787.2	3834.5	3855.8	3931.9	3866.0	3837.3
32.5°	4378.0	4440.2	4325.2	4291.8	4274.2	4302.9	4285.3	4346.5	4301.1	4256.5
35°	4955.0	5016.2	4906.7	4841.8	4771.3	4711.0	4648.0	4663.7	4621.1	4553.4
37.5°	5500.4	5612.6	5496.7	5427.1	5297.2	5179.4	5003.2	4929.9	4890.1	4827.9
40°	6056.0	6120.0	6031.9	5972.5	5831.5	5646.9	5365.0	5210.1	5156.3	5096.0
42.5°	6465.0	6526.3	6478.9	6438.1	6327.8	6113.5	5749.0	5555.1	5477.2	5409.5
45°	6789.7	6835.1	6805.4	6820.3	6773.0	6565.2	6146.9	5925.2	5844.5	5762.0
47.5°	6920.5	6968.7	7016.0	7104.1	7184.8	7031.8	6574.5	6325.9	6240.6	6156.2
50°	6905.6	6954.8	7092.1	7279.4	7529.9	7478.9	7025.3	6752.6	6673.7	6577.3
52.5°	6786.9	6842.5	7018.8	7330.4	7729.3	7813.7	7484.4	7193.2	7119.0	7003.9
55°	6475.2	6508.6	6773.0	7214.5	7776.6	8047.4	7934.3	7662.5	7588.3	7427.8
57.5°	5897.4	5945.6	6330.5	6901.9	7657.9	8206.1	8329.4	8156.0	8084.5	7853.6
60°	5143.3	5220.3	5660.8	6376.9	7355.5	8205.1	8688.4	8641.1	8581.7	8272.8
62.5°	4289.9	4379.0	4802.9	5634.9	6826.8	7972.3	8912.8	9047.3	9016.7	8659.6
65°	3294.7	3355.9	3777.9	4674.9	6004.0	7472.4	8938.8	9324.7	9330.2	8953.7
67.5°	2193.7	2369.9	2736.3	3508.0	4902.1	6655.2	8710.6	9370.1	9423.9	9054.8
70°	1070.4	1302.3	1661.2	2279.9	3508.0	5402.1	8114.2	8997.3	9116.9	8759.8
72.5°	444.3	519.4	715.1	1125.1	2013.7	3645.3	6915.8	7986.2	8207.9	7761.8
75°	299.6	324.6	409.1	576.9	917.3	1797.6	4987.4	5954.9	6312.0	5862.1
77.5°	231.0	246.7	297.7	403.5	545.4	679.9	2669.5	3588.7	3773.3	3493.2
80°	181.8	193.9	222.6	294.0	386.8	363.6	909.9	1626.0	1732.7	1453.5
82.5°	157.7	162.3	159.5	199.4	256.9	212.4	298.7	600.1	662.3	480.5
85°	114.1	127.1	132.6	123.4	136.4	107.6	122.4	212.4	233.7	208.7
87.5°	46.4	68.6	84.4	79.8	50.1	30.6	38.0	62.1	71.4	77.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847768
 CATALOG NUMBER: GLAN-SB4A-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1958.1	0°	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1	1958.1
1959.0	2.5°	1959.9	1966.4	1971.0	1976.6	1980.3	1985.9	1997.0	2003.5	2004.4	2009.1
1973.8	5°	1977.5	1986.8	1997.0	2011.9	2028.6	2042.5	2063.8	2078.6	2084.2	2088.8
2010.0	7.5°	2015.6	2028.6	2047.1	2073.1	2097.2	2115.7	2141.7	2159.3	2177.0	2183.5
2067.5	10°	2072.2	2090.7	2117.6	2152.8	2178.8	2202.9	2229.8	2244.7	2262.3	2269.7
2136.2	12.5°	2142.6	2162.1	2197.4	2246.5	2270.6	2287.3	2296.6	2292.9	2296.6	2303.1
2218.7	15°	2223.3	2244.7	2284.6	2337.4	2354.1	2339.3	2318.9	2300.3	2297.5	2299.4
2318.9	17.5°	2318.9	2334.6	2381.0	2425.5	2413.5	2352.3	2307.7	2278.1	2263.2	2258.6
2446.9	20°	2452.4	2452.4	2490.5	2518.3	2437.6	2333.7	2264.2	2215.9	2185.3	2172.3
2621.3	22.5°	2614.8	2599.9	2624.0	2604.6	2433.0	2281.8	2185.3	2101.8	2055.5	2036.9
2865.2	25°	2820.7	2803.1	2796.6	2676.0	2399.6	2199.2	2042.5	1941.4	1900.6	1890.4
3216.7	27.5°	3131.4	3086.9	3002.5	2714.9	2338.4	2069.4	1875.5	1781.8	1758.6	1759.6
3668.5	30°	3545.1	3456.1	3249.2	2721.4	2238.2	1885.7	1704.8	1638.1	1626.9	1631.6
4047.8	32.5°	3928.2	3843.8	3501.5	2691.8	2084.2	1705.8	1551.8	1507.3	1490.6	1496.1
4337.2	35°	4228.7	4205.5	3735.3	2650.0	1895.0	1537.0	1414.5	1376.5	1344.0	1336.6
4609.9	37.5°	4512.5	4503.3	3910.6	2591.6	1707.6	1417.3	1304.1	1254.1	1206.7	1180.8
4911.4	40°	4824.2	4814.9	4025.6	2501.6	1541.6	1313.4	1204.9	1139.0	1080.6	1033.3
5252.7	42.5°	5174.8	5120.1	4080.3	2372.7	1400.6	1225.3	1124.2	1035.1	958.2	914.6
5638.6	45°	5557.9	5434.5	4079.4	2208.5	1281.9	1144.6	1037.9	911.8	840.4	799.5
6034.7	47.5°	5964.2	5735.1	4029.3	2026.7	1166.9	1055.6	904.4	807.9	760.6	735.5
6465.0	50°	6383.4	6016.1	3944.0	1818.0	1049.1	954.5	820.9	755.0	718.9	695.7
6891.7	52.5°	6777.6	6271.2	3841.0	1581.5	929.4	856.1	783.8	732.8	694.7	668.8
7305.4	55°	7144.0	6491.0	3695.4	1339.4	832.0	790.3	766.2	723.5	679.9	649.3
7725.6	57.5°	7469.6	6633.9	3444.0	1112.1	762.4	744.8	747.6	707.7	657.6	631.7
8139.3	60°	7740.4	6738.7	3072.1	901.6	705.9	700.3	718.9	678.0	619.6	589.9
8489.0	62.5°	7902.7	6736.8	2615.7	738.3	657.6	659.5	680.8	640.9	581.6	553.7
8671.7	65°	7888.8	6571.7	2114.8	631.7	611.3	613.1	640.9	600.1	550.0	533.3
8579.9	67.5°	7609.6	6169.1	1622.3	562.1	560.2	568.6	601.1	572.3	530.6	528.7
8032.6	70°	6853.7	5333.4	1168.7	506.4	507.4	519.4	562.1	554.7	520.4	524.1
6753.5	72.5°	5495.7	4066.4	784.7	448.0	448.9	468.4	525.0	540.8	510.2	559.3
4791.7	75°	3660.1	2535.9	504.6	385.9	386.8	411.8	492.5	513.9	482.3	557.5
2493.3	77.5°	1758.6	1140.0	365.5	324.6	324.6	347.8	425.7	460.1	410.9	433.2
801.4	80°	607.5	428.5	287.5	261.6	256.0	271.8	359.0	398.8	354.3	326.5
261.6	82.5°	239.3	222.6	231.0	203.1	184.6	194.8	279.2	329.3	260.6	235.6
147.5	85°	137.3	144.7	163.2	134.5	106.7	119.7	205.0	236.5	196.6	173.5
48.2	87.5°	37.1	51.0	75.1	69.6	48.2	51.0	97.4	130.8	113.2	87.2
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

180°
1958.1
2008.1
2087.9
2184.4
2273.4
2305.0
2305.9
2265.1
2169.5
2034.1
1892.2
1762.3
1647.3
1503.6
1342.2
1181.7
1037.9
917.3
797.7
730.0
687.3
657.6
637.2
615.0
576.9
545.4
532.4
531.5
523.1
566.7
562.1
397.0
306.1
234.7
177.2
90.0
0.0

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