

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: P940458

Luminaire Tested: **GALN-SB3C-740-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17999 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

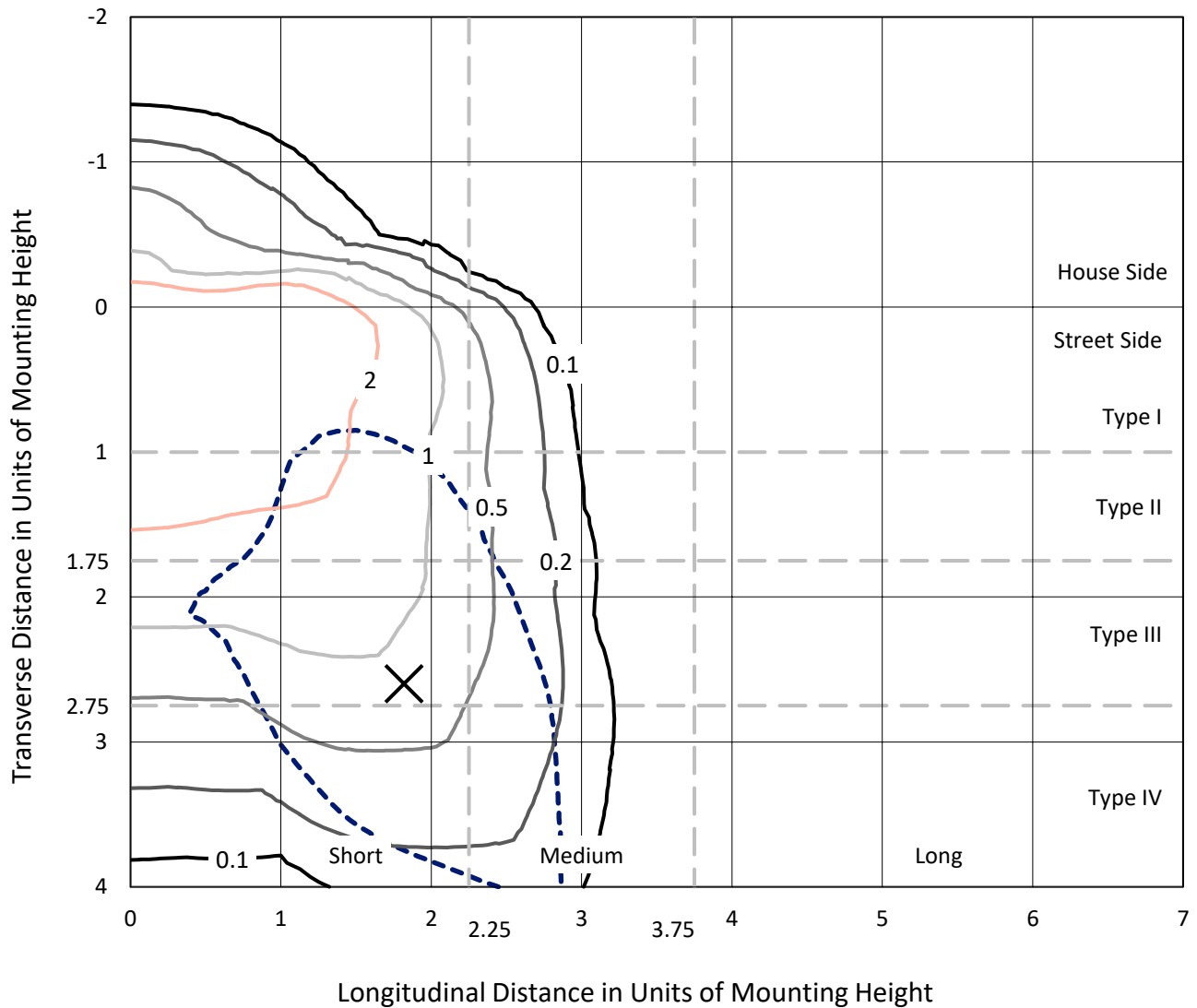
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

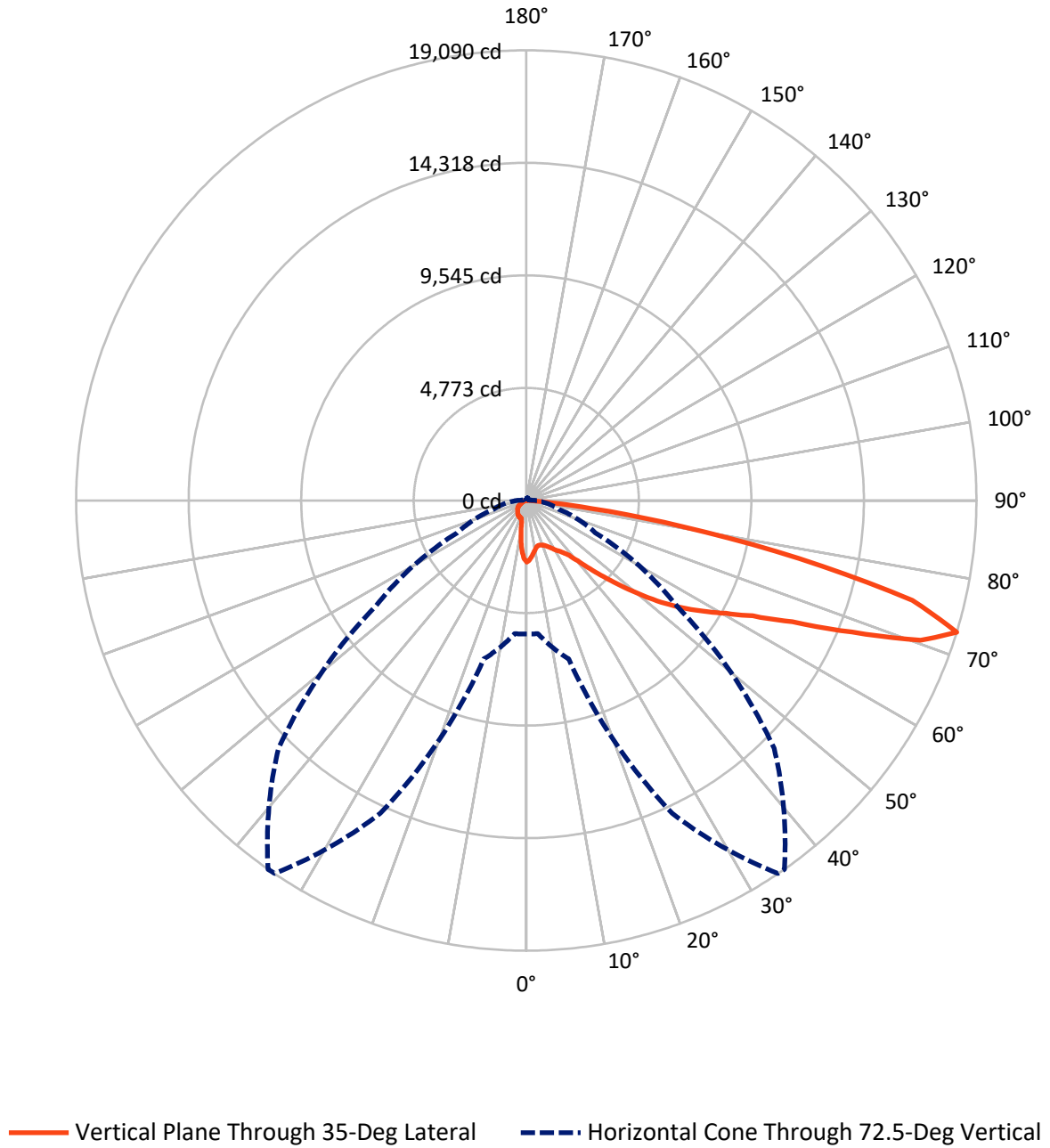
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2025.7	0.0	2025.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	15973.3	0.0	15973.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	17999.0	0.0	17999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.4	1.2
10°-20°	501.5	2.8
20°-30°	814.6	4.5
30°-40°	1359.2	7.6
40°-50°	2571.7	14.3
50°-60°	4086.3	22.7
60°-70°	5055.1	28.1
70°-80°	3142.3	17.5
80°-90°	253.9	1.4
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°	17999.0	100.0
0°-180°	17999.0	100.0

Coefficient of Utilization



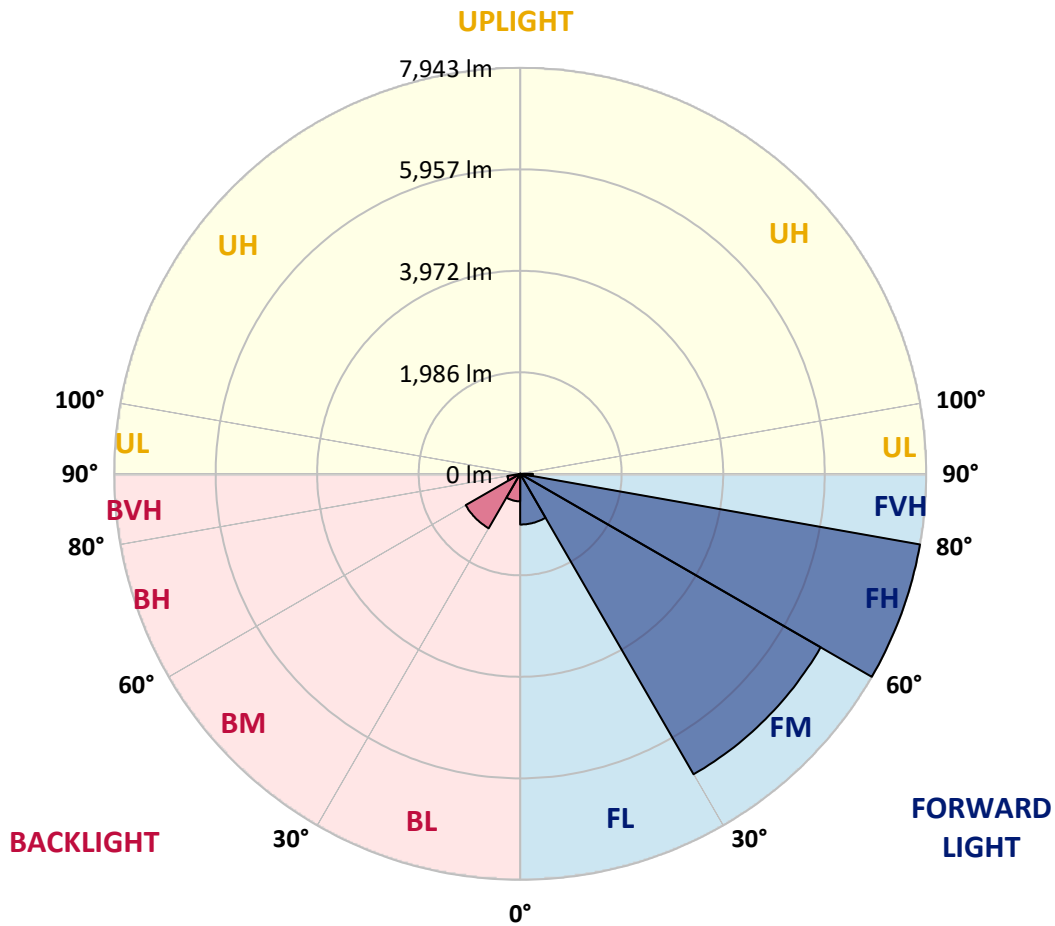
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.2	5.5			
FM (30°-60°)	6787.4	37.7			
FH (60°-80°)	7943.2	44.1			G4/12000
FVH (80°-90°)	250.5	1.4			G3/500
BL (0°-30°)	538.3	3.0	B2/1000		
BM (30°-60°)	1229.8	6.8	B2/2500		
BH (60°-80°)	254.2	1.4	B1/500		G1/500
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7
2.5°	2492.6	2513.7	2517.7	2524.3	2524.3	2532.2	2545.4	2563.8	2594.2	2610.0
5°	2297.4	2313.2	2333.0	2348.8	2379.2	2383.1	2434.6	2484.7	2554.6	2607.3
7.5°	2100.9	2119.4	2145.7	2184.0	2223.6	2235.4	2313.2	2397.6	2508.4	2607.3
10°	1962.4	1963.7	1987.5	2025.7	2089.0	2103.5	2198.5	2318.5	2457.0	2591.5
12.5°	1884.6	1893.8	1904.4	1933.4	1994.1	2003.3	2104.9	2246.0	2405.6	2582.3
15°	1884.6	1891.2	1897.8	1912.3	1961.1	1969.0	2058.7	2199.8	2379.2	2586.2
17.5°	1904.4	1915.0	1909.7	1926.8	1978.3	1983.5	2062.7	2186.6	2377.9	2611.3
20°	1951.9	1959.8	1949.2	1959.8	2011.2	2021.8	2103.5	2211.7	2400.3	2654.8
22.5°	2027.1	2031.0	2006.0	2013.9	2066.6	2079.8	2174.8	2282.9	2454.4	2724.7
25°	2122.0	2129.9	2091.7	2100.9	2151.0	2166.8	2276.3	2389.7	2540.1	2821.0
27.5°	2231.5	2235.4	2202.5	2201.1	2265.8	2288.2	2399.0	2521.6	2654.8	2942.3
30°	2356.8	2368.6	2337.0	2331.7	2413.5	2431.9	2541.4	2683.8	2823.6	3124.3
32.5°	2455.7	2464.9	2446.4	2459.6	2542.7	2557.2	2714.2	2913.3	3088.7	3382.8
35°	2598.1	2603.4	2561.2	2584.9	2679.9	2716.8	2950.2	3235.1	3422.4	3707.2
37.5°	3113.8	3113.8	2934.4	2817.0	2908.0	2941.0	3273.4	3640.0	3833.9	4142.5
40°	3827.3	3815.4	3552.9	3312.9	3301.0	3365.7	3733.6	4150.4	4365.3	4664.7
42.5°	4588.2	4569.8	4212.4	3975.0	3935.4	3957.8	4265.1	4779.5	4998.4	5301.7
45°	5263.5	5258.2	4931.1	4612.0	4540.8	4612.0	4928.5	5515.4	5672.3	5991.5
47.5°	5829.3	5829.3	5590.5	5382.2	5345.2	5387.4	5826.6	6331.7	6317.2	6726.1
50°	6480.8	6475.5	6248.6	6159.0	6197.2	6256.6	6860.6	7191.6	6984.6	7447.5
52.5°	6937.1	6968.7	6890.9	6876.4	7071.6	7174.5	7910.4	8033.0	7582.0	8131.9
55°	7298.4	7335.4	7425.0	7526.6	7902.5	8037.0	8927.2	8830.9	8081.8	8725.4
57.5°	7810.1	7757.4	7895.9	8096.3	8704.3	8866.5	9912.4	9584.0	8484.1	9206.8
60°	8431.3	8439.2	8463.0	8716.2	9504.9	9713.2	10883.0	10296.2	8742.6	9502.2
62.5°	9177.8	9189.7	9238.4	9627.5	10579.7	10776.2	11917.0	10879.1	8861.3	9419.1
65°	9126.3	9176.5	9721.1	11051.8	12213.7	12407.6	13123.7	11287.9	8681.9	8659.5
67.5°	8313.9	8395.7	9307.0	12753.1	14677.3	14893.6	14582.4	11368.4	7907.7	6734.0
70°	7248.3	7277.3	8373.3	14283.0	17530.0	17748.9	15888.0	10483.4	6000.7	3756.0
72.5°	5660.4	5667.0	6952.9	14637.8	19078.3	19090.2	14863.3	7782.5	3227.2	1442.8
75°	4043.6	4004.0	4656.8	11870.8	16784.8	16919.4	11142.8	3650.5	1233.1	681.8
77.5°	2168.2	2211.7	2635.0	7039.9	11595.2	11824.7	6079.8	1052.4	627.8	464.2
80°	670.0	706.9	1080.1	3223.2	6567.8	6706.3	2253.9	468.2	437.9	331.0
82.5°	211.0	218.9	503.8	1354.4	2726.0	2789.3	652.8	265.1	299.4	218.9
85°	60.7	62.0	224.2	505.1	673.9	687.1	183.3	102.9	171.4	135.8
87.5°	6.6	21.1	84.4	84.4	59.3	58.0	19.8	22.4	48.8	17.1
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°
2608.7	0°	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7
2620.5	2.5°	2613.9	2615.3	2598.1	2569.1	2537.4	2511.1	2478.1	2451.7	2433.3	2428.0
2644.3	5°	2632.4	2623.2	2574.4	2486.0	2380.5	2289.5	2187.9	2107.5	2054.7	2032.3
2669.3	7.5°	2660.1	2633.7	2526.9	2352.8	2151.0	1971.7	1789.7	1648.5	1558.9	1514.0
2693.1	10°	2683.8	2631.1	2447.8	2160.3	1851.6	1580.0	1334.7	1164.5	1069.6	1024.7
2720.8	12.5°	2706.3	2629.8	2344.9	1932.1	1514.0	1181.7	953.5	869.1	842.7	833.5
2765.6	15°	2748.5	2633.7	2215.6	1671.0	1177.7	892.9	809.8	808.4	813.7	811.1
2834.2	17.5°	2806.5	2637.7	2069.3	1394.0	908.7	787.3	783.4	795.3	803.2	799.2
2919.9	20°	2881.7	2653.5	1913.6	1119.7	780.8	761.0	770.2	780.8	787.3	780.8
3034.6	22.5°	2987.2	2681.2	1743.5	899.4	739.9	745.1	753.1	764.9	771.5	762.3
3181.0	25°	3116.4	2724.7	1576.0	782.1	720.1	726.7	738.5	751.7	759.6	750.4
3365.7	27.5°	3283.9	2794.6	1421.7	755.7	700.3	704.3	721.4	741.2	751.7	739.9
3628.1	30°	3526.6	2909.4	1288.5	767.6	688.4	679.2	702.9	730.6	742.5	732.0
3985.5	32.5°	3848.4	3071.6	1206.7	786.0	683.2	650.2	672.6	708.2	728.0	721.4
4452.4	35°	4270.4	3318.2	1175.1	807.1	679.2	619.9	635.7	673.9	708.2	714.8
5040.6	37.5°	4782.1	3661.1	1184.3	816.4	667.3	594.8	602.7	635.7	680.5	701.6
5702.6	40°	5363.7	4060.7	1237.1	807.1	654.1	573.7	575.0	600.1	639.6	671.3
6414.8	42.5°	5963.8	4527.6	1334.7	772.8	642.3	555.2	551.3	568.4	594.8	617.2
7125.7	45°	6534.8	5007.6	1430.9	725.4	627.8	536.8	527.5	534.1	539.4	548.6
7818.1	47.5°	7033.4	5345.2	1403.2	681.8	608.0	515.7	499.8	497.2	481.4	480.1
8436.6	50°	7377.6	5419.1	1246.3	638.3	579.0	491.9	466.9	451.0	423.3	410.2
8899.5	52.5°	7487.0	5127.6	1018.1	594.8	531.5	460.3	424.7	399.6	365.3	353.4
9165.9	55°	7342.0	4556.6	813.7	542.0	465.5	418.1	378.5	345.5	317.8	303.3
9194.9	57.5°	6987.2	3829.9	643.6	480.1	395.7	370.6	331.0	298.1	274.3	259.8
8873.1	60°	6399.0	3041.2	509.1	406.2	337.6	319.2	278.3	257.2	236.1	218.9
8042.3	62.5°	5506.1	2170.8	399.6	321.8	282.2	261.1	237.4	221.6	196.5	172.8
6548.0	65°	4296.8	1328.1	308.6	236.1	226.8	216.3	201.8	187.3	156.9	133.2
4271.7	67.5°	2710.2	629.1	220.2	178.0	179.4	174.1	167.5	155.6	133.2	112.1
1913.6	70°	1193.5	304.7	145.1	135.8	133.2	133.2	138.5	134.5	113.4	93.6
664.7	72.5°	406.2	163.5	108.1	102.9	96.3	95.0	116.1	112.1	91.0	72.5
331.0	75°	212.3	109.5	79.1	73.9	58.0	69.9	92.3	87.0	64.6	47.5
218.9	77.5°	138.5	77.8	54.1	47.5	33.0	46.2	68.6	60.7	38.2	23.7
143.8	80°	87.0	51.4	31.7	22.4	15.8	25.1	36.9	26.4	14.5	5.3
84.4	82.5°	46.2	26.4	11.9	7.9	6.6	7.9	9.2	6.6	2.6	0.0
43.5	85°	18.5	9.2	4.0	2.6	1.3	0.0	2.6	1.3	0.0	0.0
7.9	87.5°	6.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
2608.7
2437.2
2040.2
1520.6
1026.1
830.9
809.8
797.9
779.4
761.0
749.1
739.9
730.6
721.4
714.8
706.9
681.8
626.4
553.9
478.7
411.5
352.1
303.3
257.2
215.0
168.8
129.2
109.5
89.7
68.6
43.5
21.1
4.0
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