

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: P942448

Luminaire Tested: **GALN-SB6B-950-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942448
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-SB6B-950-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA 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: 17986 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

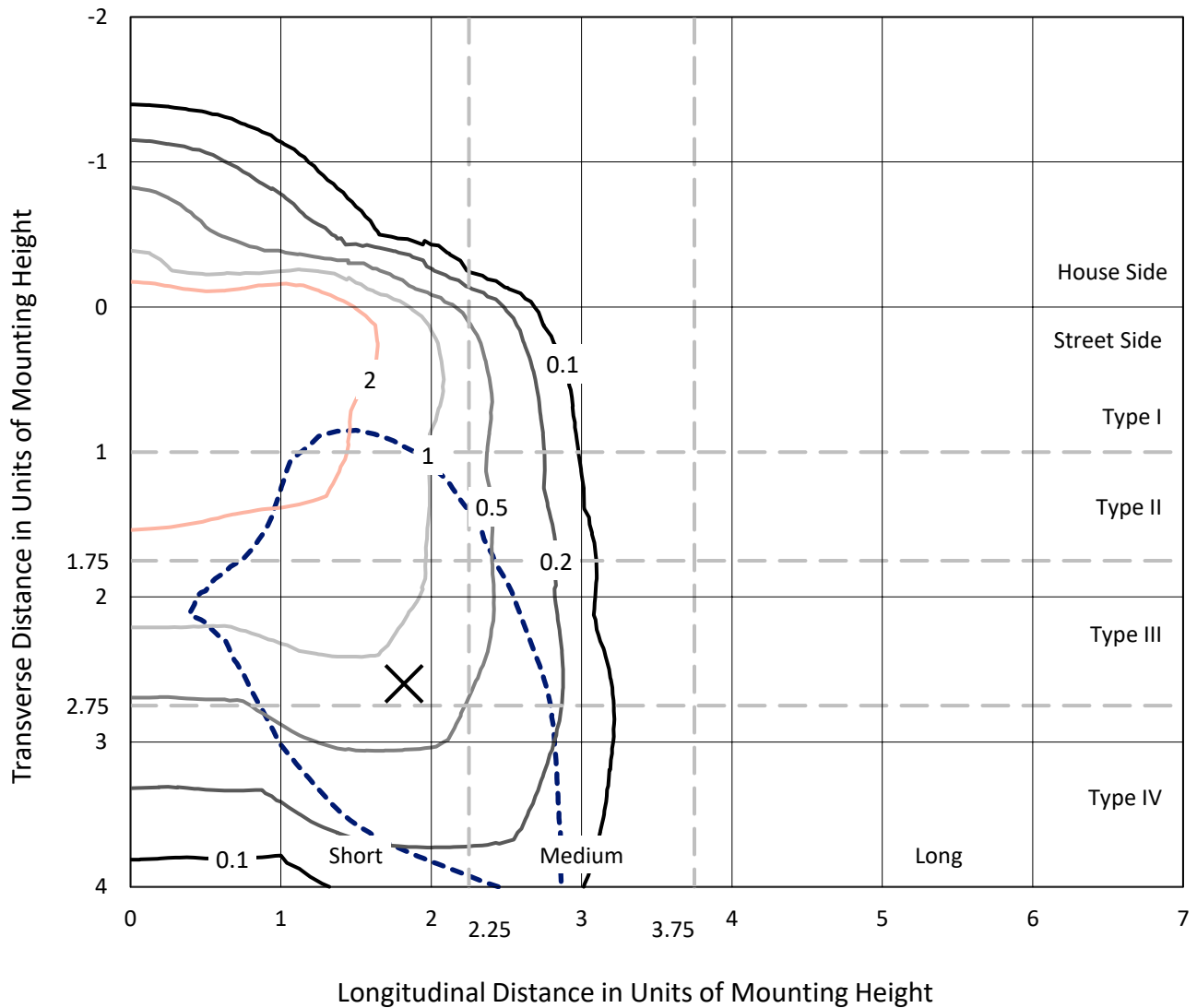
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

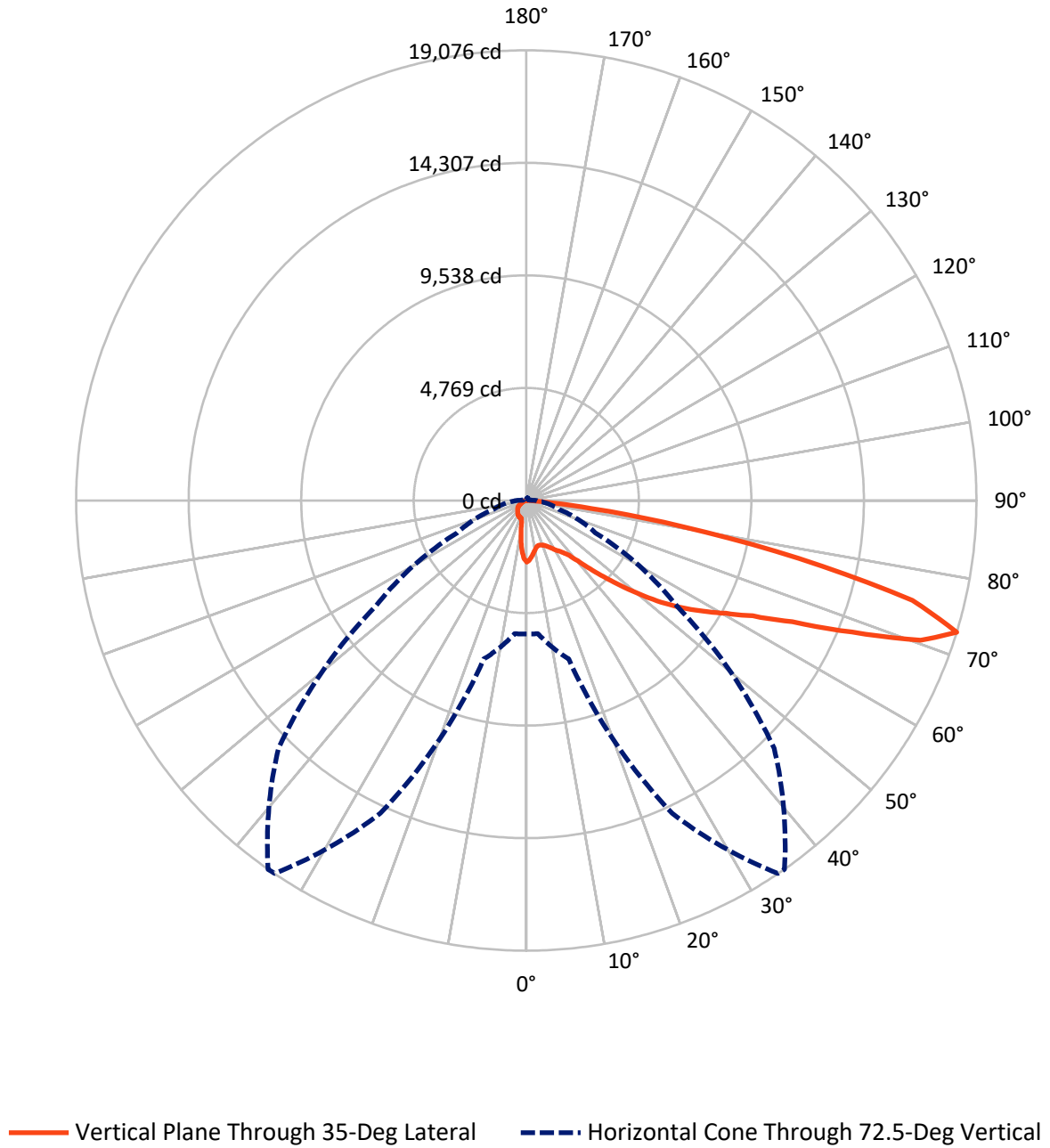
✕ Max cd
 - - - 1/2 Max cd



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	2024.2	0.0	2024.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	15961.8	0.0	15961.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	17986.0	0.0	17986.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.2	1.2
10°-20°	501.1	2.8
20°-30°	814.0	4.5
30°-40°	1358.2	7.6
40°-50°	2569.8	14.3
50°-60°	4083.4	22.7
60°-70°	5051.4	28.1
70°-80°	3140.0	17.5
80°-90°	253.8	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°	17986.0	100.0
0°-180°	17986.0	100.0

Coefficient of Utilization



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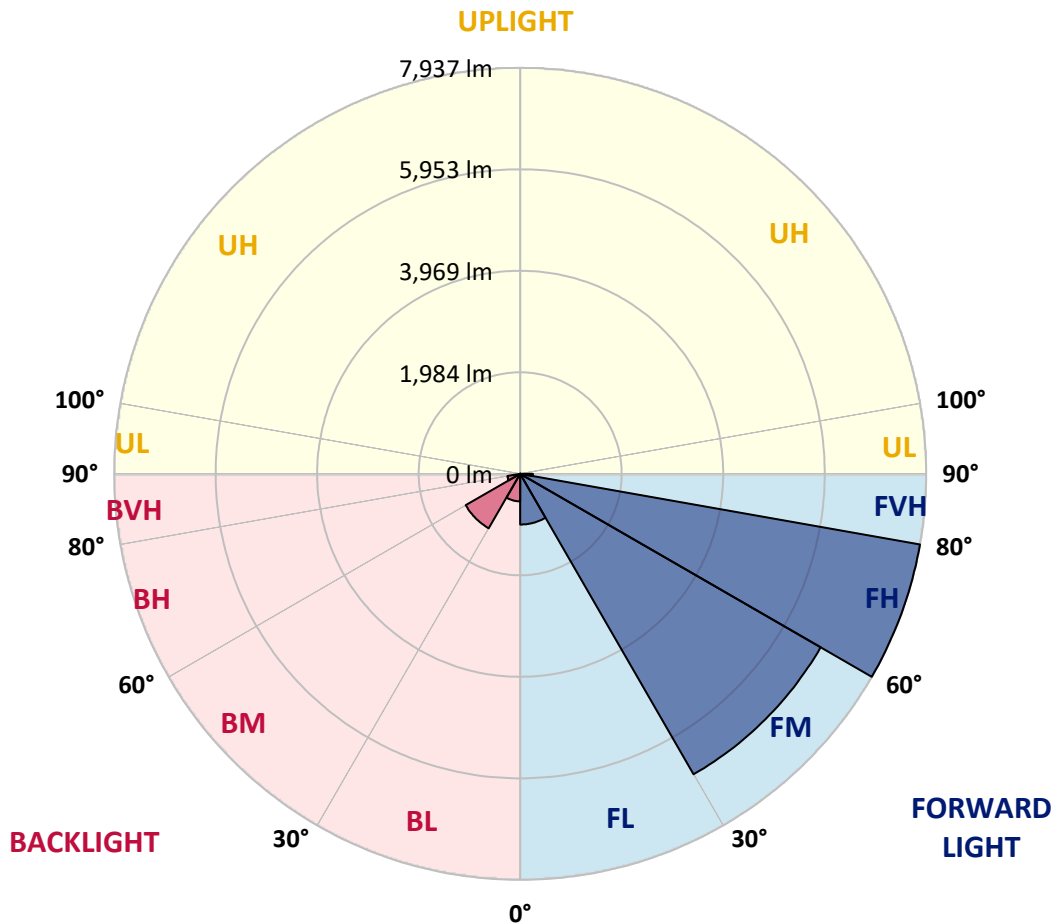
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.5	5.5			
FM (30°-60°)	6782.5	37.7			
FH (60°-80°)	7937.4	44.1			G4/12000
FVH (80°-90°)	250.3	1.4			G3/500
BL (0°-30°)	537.9	3.0	B2/1000		
BM (30°-60°)	1228.9	6.8	B2/2500		
BH (60°-80°)	254.0	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°	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8
2.5°	2490.8	2511.9	2515.8	2522.4	2522.4	2530.3	2543.5	2562.0	2592.3	2608.1
5°	2295.8	2311.6	2331.3	2347.2	2377.5	2381.4	2432.8	2482.9	2552.7	2605.5
7.5°	2099.4	2117.8	2144.2	2182.4	2222.0	2233.8	2311.6	2395.9	2506.6	2605.5
10°	1961.0	1962.3	1986.1	2024.3	2087.5	2102.0	2196.9	2316.8	2455.2	2589.6
12.5°	1883.3	1892.5	1903.0	1932.0	1992.6	2001.9	2103.3	2244.4	2403.8	2580.4
15°	1883.3	1889.8	1896.4	1910.9	1959.7	1967.6	2057.2	2198.2	2377.5	2584.4
17.5°	1903.0	1913.6	1908.3	1925.4	1976.8	1982.1	2061.2	2185.1	2376.1	2609.4
20°	1950.5	1958.4	1947.8	1958.4	2009.8	2020.3	2102.0	2210.1	2398.5	2652.9
22.5°	2025.6	2029.5	2004.5	2012.4	2065.1	2078.3	2173.2	2281.3	2452.6	2722.7
25°	2120.5	2128.4	2090.2	2099.4	2149.5	2165.3	2274.7	2388.0	2538.2	2819.0
27.5°	2229.9	2233.8	2200.9	2199.5	2264.1	2286.5	2397.2	2519.8	2652.9	2940.2
30°	2355.1	2366.9	2335.3	2330.0	2411.7	2430.2	2539.6	2681.9	2821.6	3122.1
32.5°	2453.9	2463.1	2444.7	2457.9	2540.9	2555.4	2712.2	2911.2	3086.5	3380.4
35°	2596.2	2601.5	2559.3	2583.1	2677.9	2714.8	2948.1	3232.8	3419.9	3704.6
37.5°	3111.5	3111.5	2932.3	2815.0	2905.9	2938.9	3271.0	3637.4	3831.1	4139.5
40°	3824.5	3812.6	3550.4	3310.5	3298.7	3363.2	3730.9	4147.4	4362.2	4661.4
42.5°	4584.9	4566.5	4209.3	3972.1	3932.6	3955.0	4262.0	4776.0	4994.8	5297.9
45°	5259.7	5254.4	4927.6	4608.6	4537.5	4608.6	4924.9	5511.4	5668.2	5987.1
47.5°	5825.0	5825.0	5586.5	5378.3	5341.4	5383.6	5822.4	6327.2	6312.7	6721.2
50°	6476.1	6470.8	6244.1	6154.5	6192.7	6252.0	6855.6	7186.4	6979.5	7442.1
52.5°	6932.1	6963.7	6885.9	6871.4	7066.5	7169.3	7904.7	8027.2	7576.5	8126.1
55°	7293.2	7330.1	7419.7	7521.2	7896.8	8031.2	8920.8	8824.6	8076.0	8719.1
57.5°	7804.5	7751.8	7890.2	8090.5	8698.0	8860.1	9905.2	9577.1	8477.9	9200.1
60°	8425.2	8433.1	8456.9	8709.9	9498.0	9706.2	10875.2	10288.7	8736.3	9495.4
62.5°	9171.2	9183.0	9231.8	9620.6	10572.1	10768.4	11908.4	10871.2	8854.9	9412.3
65°	9119.8	9169.8	9714.1	11043.9	12204.9	12398.7	13114.3	11279.8	8675.6	8653.2
67.5°	8307.9	8389.6	9300.3	12743.9	14666.7	14882.9	14571.8	11360.2	7902.0	6729.1
70°	7243.1	7272.1	8367.2	14272.7	17517.3	17736.1	15876.5	10475.9	5996.4	3753.3
72.5°	5656.4	5662.9	6947.9	14627.2	19064.5	19076.4	14852.6	7776.8	3224.9	1441.8
75°	4040.6	4001.1	4653.4	11862.3	16772.7	16907.1	11134.8	3647.9	1232.2	681.3
77.5°	2166.6	2210.1	2633.1	7034.9	11586.8	11816.1	6075.4	1051.7	627.3	463.9
80°	669.5	706.4	1079.3	3220.9	6563.1	6701.4	2252.3	467.8	437.5	330.8
82.5°	210.9	218.8	503.4	1353.5	2724.1	2787.3	652.4	264.9	299.2	218.8
85°	60.6	61.9	224.0	504.7	673.4	686.6	183.2	102.8	171.3	135.7
87.5°	6.6	21.1	84.3	84.3	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°
2606.8	0°	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8	2606.8
2618.6	2.5°	2612.0	2613.4	2596.2	2567.2	2535.6	2509.3	2476.3	2449.9	2431.5	2426.2
2642.4	5°	2630.5	2621.3	2572.5	2484.2	2378.8	2287.8	2186.4	2106.0	2053.3	2030.9
2667.4	7.5°	2658.2	2631.8	2525.1	2351.1	2149.5	1970.2	1788.4	1647.4	1557.7	1512.9
2691.1	10°	2681.9	2629.2	2446.0	2158.7	1850.3	1578.8	1333.7	1163.7	1068.8	1024.0
2718.8	12.5°	2704.3	2627.9	2343.2	1930.7	1512.9	1180.8	952.8	868.5	842.1	832.9
2763.6	15°	2746.5	2631.8	2214.0	1669.8	1176.9	892.2	809.2	807.9	813.1	810.5
2832.1	17.5°	2804.5	2635.8	2067.8	1393.0	908.0	786.8	782.8	794.7	802.6	798.6
2917.8	20°	2879.6	2651.6	1912.2	1118.9	780.2	760.4	769.6	780.2	786.8	780.2
3032.5	22.5°	2985.0	2679.3	1742.2	898.8	739.3	744.6	752.5	764.4	771.0	761.7
3178.7	25°	3114.2	2722.7	1574.9	781.5	719.6	726.2	738.0	751.2	759.1	749.9
3363.2	27.5°	3281.5	2792.6	1420.7	755.1	699.8	703.8	720.9	740.7	751.2	739.3
3625.5	30°	3524.0	2907.3	1287.6	767.0	687.9	678.7	702.4	730.1	742.0	731.4
3982.6	32.5°	3845.6	3069.4	1205.9	785.5	682.7	649.7	672.1	707.7	727.5	720.9
4449.2	35°	4267.3	3315.8	1174.2	806.5	678.7	619.4	635.2	673.4	707.7	714.3
5037.0	37.5°	4778.6	3658.4	1183.5	815.8	666.8	594.4	602.3	635.2	680.0	701.1
5698.5	40°	5359.8	4057.8	1236.2	806.5	653.7	573.3	574.6	599.6	639.2	670.8
6410.2	42.5°	5959.5	4524.3	1333.7	772.3	641.8	554.8	550.9	568.0	594.4	616.8
7120.5	45°	6530.1	5004.0	1429.9	724.8	627.3	536.4	527.2	533.7	539.0	548.2
7812.4	47.5°	7028.3	5341.4	1402.2	681.3	607.5	515.3	499.5	496.8	481.0	479.7
8430.5	50°	7372.2	5415.2	1245.4	637.9	578.6	491.6	466.5	450.7	423.0	409.9
8893.1	52.5°	7481.6	5123.9	1017.4	594.4	531.1	459.9	424.4	399.3	365.1	353.2
9159.3	55°	7336.7	4553.3	813.1	541.7	465.2	417.8	378.2	345.3	317.6	303.1
9188.3	57.5°	6982.1	3827.1	643.1	479.7	395.4	370.3	330.8	297.8	274.1	259.6
8866.7	60°	6394.4	3039.0	508.7	405.9	337.4	318.9	278.1	257.0	235.9	218.8
8036.5	62.5°	5502.2	2169.2	399.3	321.6	282.0	260.9	237.2	221.4	196.4	172.6
6543.3	65°	4293.7	1327.1	308.4	235.9	226.7	216.1	201.6	187.1	156.8	133.1
4268.6	67.5°	2708.3	628.6	220.1	177.9	179.2	174.0	167.4	155.5	133.1	112.0
1912.2	70°	1192.7	304.4	145.0	135.7	133.1	133.1	138.4	134.4	113.3	93.6
664.2	72.5°	405.9	163.4	108.1	102.8	96.2	94.9	116.0	112.0	90.9	72.5
330.8	75°	212.2	109.4	79.1	73.8	58.0	69.8	92.3	87.0	64.6	47.4
218.8	77.5°	138.4	77.8	54.0	47.4	32.9	46.1	68.5	60.6	38.2	23.7
143.6	80°	87.0	51.4	31.6	22.4	15.8	25.0	36.9	26.4	14.5	5.3
84.3	82.5°	46.1	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

180°
2606.8
2435.4
2038.8
1519.5
1025.3
830.3
809.2
797.3
778.9
760.4
748.6
739.3
730.1
720.9
714.3
706.4
681.3
626.0
553.5
478.4
411.2
351.9
303.1
257.0
214.8
168.7
129.2
109.4
89.6
68.5
43.5
21.1
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