

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: P852463

Luminaire Tested: **GLAN-SB4A-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17437 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

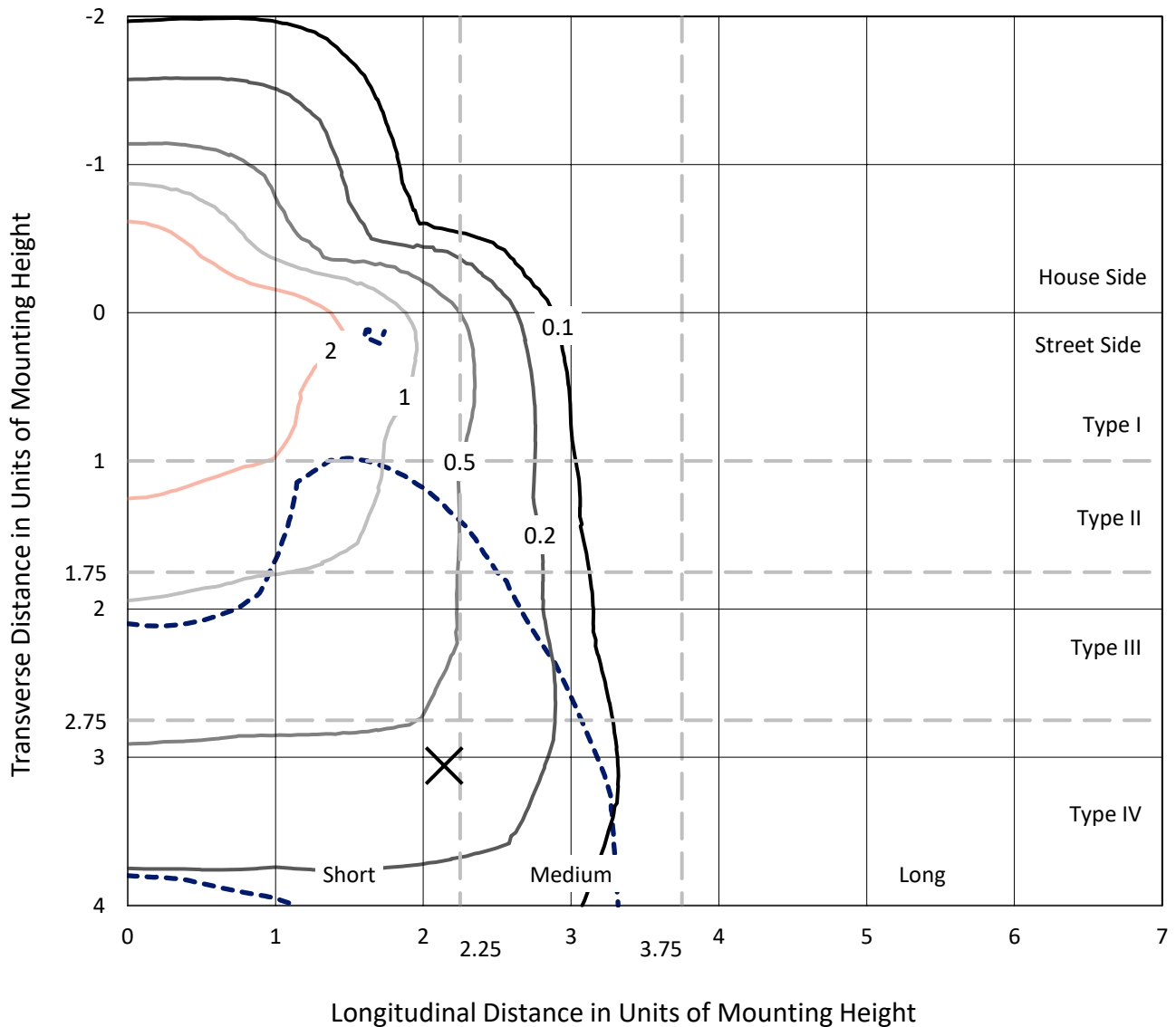
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

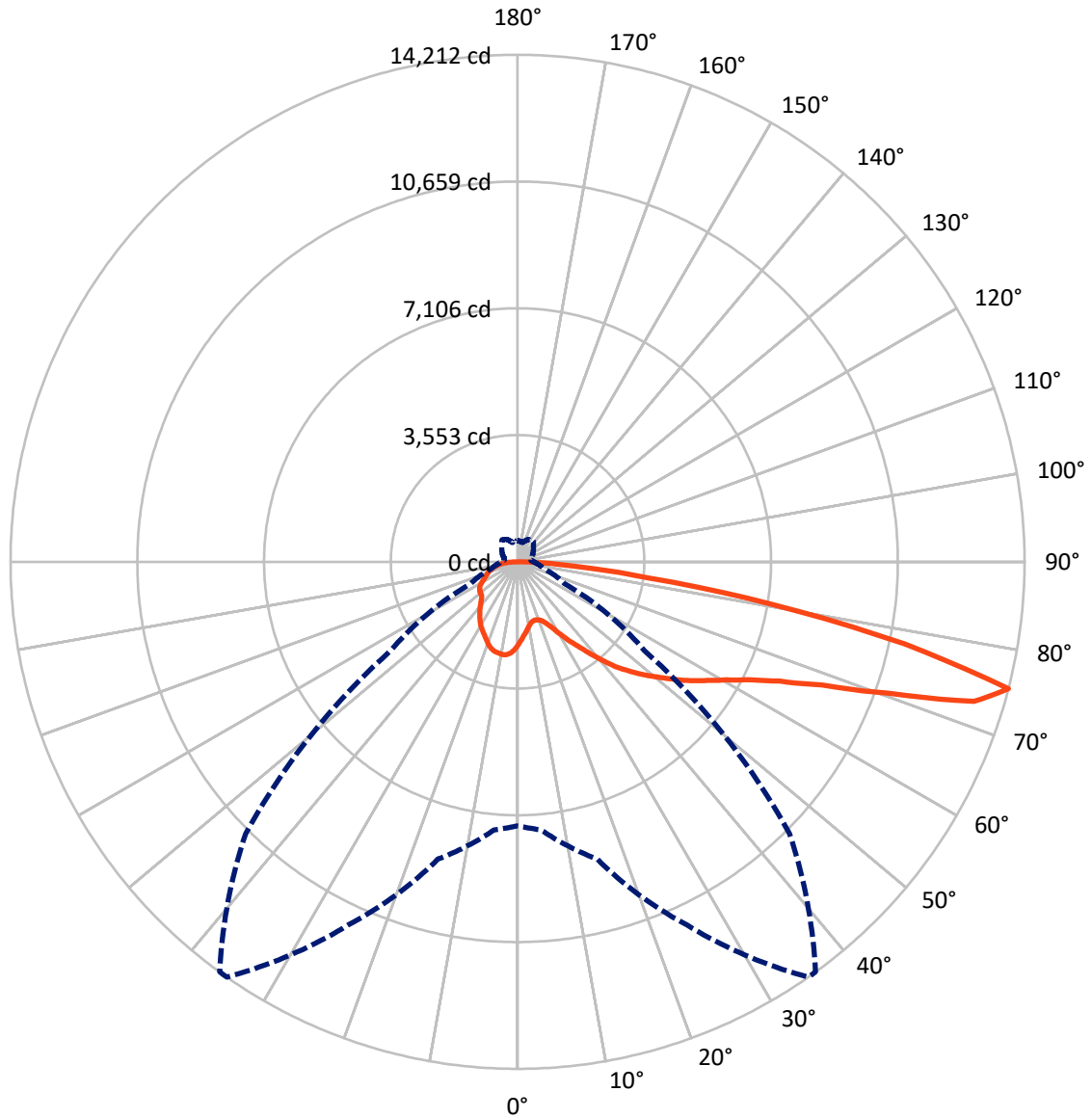
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4149.6	0.0	4149.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	13287.4	0.0	13287.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	17437.0	0.0	17437.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	1.3
10°-20°	634.6	3.6
20°-30°	1065.6	6.1
30°-40°	1656.1	9.5
40°-50°	2458.1	14.1
50°-60°	3393.6	19.5
60°-70°	4117.2	23.6
70°-80°	3402.5	19.5
80°-90°	489.4	2.8
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°	17437.0	100.0
0°-180°	17437.0	100.0

Coefficient of Utilization



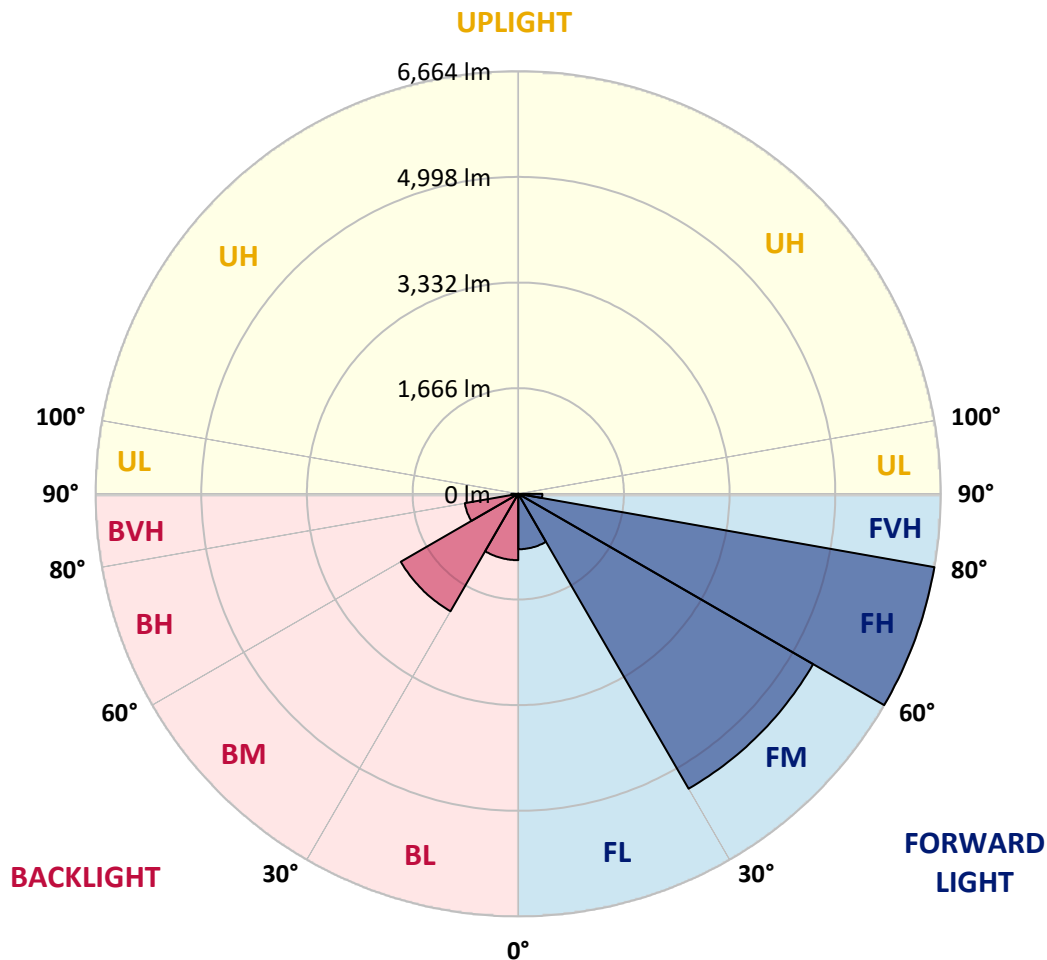
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.4	5.0			
FM (30°-60°)	5369.7	30.8			
FH (60°-80°)	6664.2	38.2			G3/7500
FVH (80°-90°)	379.2	2.2			G3/500
BL (0°-30°)	1045.7	6.0	B3/2500		
BM (30°-60°)	2138.1	12.3	B2/2500		
BH (60°-80°)	855.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	110.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6
2.5°	2142.6	2155.8	2161.5	2158.6	2172.8	2170.9	2190.7	2215.2	2249.1	2282.1
5°	1977.7	1991.8	2004.0	2015.4	2042.7	2051.2	2082.3	2129.4	2191.6	2254.8
7.5°	1824.0	1836.3	1855.1	1875.8	1922.0	1930.5	1982.4	2055.9	2142.6	2235.0
10°	1698.6	1710.9	1730.7	1754.2	1811.7	1822.1	1888.1	1986.1	2099.3	2216.1
12.5°	1644.9	1648.7	1660.0	1683.5	1733.5	1740.1	1812.7	1924.9	2056.8	2202.0
15°	1642.1	1649.6	1650.6	1662.8	1704.3	1707.1	1774.0	1885.3	2030.4	2199.2
17.5°	1670.4	1676.0	1667.5	1675.1	1709.9	1714.7	1767.4	1866.4	2022.0	2211.4
20°	1745.8	1750.5	1725.0	1714.7	1740.1	1743.9	1795.7	1878.7	2030.4	2236.9
22.5°	1906.0	1908.8	1846.6	1804.2	1806.1	1808.0	1853.2	1928.6	2063.4	2283.1
25°	2155.8	2153.9	2054.9	1972.9	1925.8	1915.4	1945.6	2009.7	2119.0	2344.3
27.5°	2448.0	2433.9	2334.9	2212.4	2109.6	2094.5	2087.9	2115.3	2198.2	2425.4
30°	2777.9	2764.8	2658.2	2498.0	2355.6	2331.1	2268.9	2254.8	2316.1	2535.7
32.5°	3139.9	3131.4	3004.2	2810.0	2619.6	2591.3	2486.7	2449.0	2497.0	2702.5
35°	3443.4	3435.9	3330.3	3130.5	2897.7	2862.8	2756.3	2713.8	2738.4	2916.5
37.5°	3717.8	3714.0	3623.5	3466.1	3225.7	3183.3	3063.6	3049.4	3044.7	3198.4
40°	3972.3	3962.8	3868.6	3785.6	3607.5	3568.8	3463.2	3451.0	3415.2	3545.3
42.5°	4254.1	4229.6	4092.9	4054.3	4006.2	3974.2	3911.0	3912.9	3833.7	3936.4
45°	4484.1	4470.0	4329.5	4306.9	4358.7	4345.6	4400.2	4414.4	4260.7	4346.5
47.5°	4731.1	4717.9	4599.1	4583.1	4723.5	4727.3	4920.6	4925.3	4677.4	4772.6
50°	5035.6	5016.7	4898.9	4918.7	5076.1	5090.2	5443.7	5411.7	5061.0	5205.2
52.5°	5236.3	5247.7	5222.2	5254.3	5469.2	5482.4	5958.4	5876.4	5440.9	5632.3
55°	5384.3	5407.0	5486.1	5559.7	5883.9	5897.1	6443.9	6318.5	5755.7	6028.2
57.5°	5574.8	5542.7	5690.7	5834.0	6278.0	6312.8	6916.1	6744.6	6034.8	6369.4
60°	5848.1	5825.5	5940.5	6152.6	6719.1	6774.7	7415.7	7128.2	6239.3	6639.9
62.5°	6402.4	6345.8	6363.7	6551.3	7275.3	7348.8	7979.4	7462.9	6341.1	6745.5
65°	7231.0	7133.9	7043.4	7173.5	8058.6	8131.2	8615.7	7725.8	6303.4	6541.0
67.5°	8274.5	8178.3	8067.1	8189.6	9212.4	9269.9	9400.9	7873.8	6006.5	5752.9
70°	9135.1	9099.3	9232.2	9736.5	11055.2	11057.1	10407.6	7751.3	5193.0	4078.8
72.5°	9021.0	8999.3	9699.7	11258.8	13377.9	13327.9	11360.7	6823.7	3498.1	1840.0
75°	7400.6	7541.1	8626.1	11231.5	14212.1	14205.5	10777.2	4338.0	1446.9	762.6
77.5°	3968.5	4191.0	5600.2	8292.4	11094.8	11261.7	7576.9	1517.6	621.2	488.3
80°	1294.2	1488.4	2232.2	4222.1	7209.3	7178.2	3247.4	595.7	425.1	345.9
82.5°	549.6	572.2	997.3	1993.7	3699.8	3642.3	1034.1	342.2	298.8	236.6
85°	214.9	240.4	440.2	921.9	1602.5	1567.6	373.3	169.7	191.4	154.6
87.5°	70.7	85.8	157.4	315.8	498.7	480.7	91.4	58.4	83.0	70.7
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°
2323.6	0°	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6
2330.2	2.5°	2343.4	2358.5	2376.4	2402.8	2425.4	2444.3	2464.1	2476.3	2481.0	2495.2
2334.0	5°	2360.4	2393.4	2437.7	2481.0	2523.4	2548.9	2571.5	2582.8	2593.2	2600.7
2344.3	7.5°	2388.6	2431.1	2500.8	2557.4	2593.2	2613.9	2629.0	2625.2	2629.0	2630.9
2355.6	10°	2413.1	2472.5	2555.5	2609.2	2636.6	2637.5	2633.7	2620.5	2613.9	2614.9
2372.6	12.5°	2442.4	2508.4	2597.9	2643.2	2650.7	2630.0	2613.9	2591.3	2582.8	2579.1
2398.1	15°	2482.0	2557.4	2644.1	2661.1	2642.2	2615.8	2588.5	2551.7	2532.9	2517.8
2441.4	17.5°	2530.0	2613.0	2679.9	2667.7	2627.1	2583.8	2539.5	2483.8	2445.2	2429.2
2500.8	20°	2597.0	2671.4	2707.3	2653.5	2592.2	2526.3	2450.9	2383.0	2347.2	2331.1
2576.2	22.5°	2678.0	2749.7	2733.6	2629.0	2542.3	2436.7	2342.5	2292.5	2274.6	2263.3
2673.3	25°	2775.1	2836.4	2752.5	2593.2	2460.3	2317.9	2245.4	2229.3	2220.9	2212.4
2792.1	27.5°	2901.4	2934.4	2766.6	2540.4	2332.1	2191.6	2165.2	2168.1	2165.2	2151.1
2957.0	30°	3068.3	3061.7	2779.8	2454.6	2185.0	2077.6	2079.5	2091.7	2093.6	2084.2
3187.1	32.5°	3287.9	3221.0	2786.4	2343.4	2044.6	1977.7	1979.5	1992.7	2002.2	1986.1
3487.8	35°	3553.7	3406.7	2776.1	2203.9	1936.2	1882.4	1868.3	1872.1	1874.9	1859.8
3852.6	37.5°	3863.9	3615.0	2729.9	2049.3	1846.6	1789.1	1759.0	1733.5	1718.4	1704.3
4265.4	40°	4204.2	3842.2	2645.0	1898.5	1746.7	1690.1	1644.9	1596.8	1545.9	1527.1
4702.8	42.5°	4560.5	4076.0	2542.3	1754.2	1631.7	1585.5	1537.4	1467.7	1391.3	1352.7
5157.2	45°	4930.0	4315.4	2441.4	1611.9	1513.9	1494.1	1438.5	1354.6	1271.6	1222.6
5612.5	47.5°	5292.0	4541.6	2293.4	1468.6	1403.6	1425.3	1381.9	1304.6	1212.2	1134.9
6064.0	50°	5637.9	4753.7	2051.2	1323.5	1314.0	1404.5	1363.1	1251.8	1146.2	1047.3
6507.0	52.5°	5981.0	4925.3	1741.0	1191.5	1266.0	1398.9	1338.5	1216.0	1086.9	983.2
6923.7	55°	6272.3	5013.9	1442.2	1078.4	1196.2	1350.8	1309.3	1173.6	1003.0	892.7
7209.3	57.5°	6438.2	4942.2	1193.4	967.1	1100.1	1271.6	1259.4	1083.1	903.0	818.2
7264.9	60°	6366.6	4651.9	989.8	870.1	1008.6	1185.8	1172.6	993.5	826.7	746.6
6967.0	62.5°	5971.6	4098.6	828.6	785.2	925.7	1098.2	1085.9	924.7	768.2	691.0
6176.2	65°	5176.0	3334.1	703.2	714.5	841.8	992.6	1010.5	867.2	722.1	646.6
4778.2	67.5°	3947.8	2415.0	605.2	653.2	759.8	888.9	940.8	825.7	683.4	611.8
2764.8	70°	2250.1	1371.5	522.2	593.9	687.2	792.8	887.0	792.8	641.9	582.5
1036.0	72.5°	853.1	629.7	451.5	534.5	617.4	711.7	827.6	740.9	593.9	549.6
535.4	75°	455.3	383.7	379.9	464.7	537.3	632.5	753.2	690.0	558.0	580.7
370.5	77.5°	310.1	271.5	317.7	397.8	449.6	544.8	674.0	612.7	483.6	481.7
256.4	80°	214.9	192.3	258.3	320.5	347.8	458.1	588.2	526.0	394.0	367.6
158.4	82.5°	129.1	125.4	193.2	239.4	246.0	353.5	487.3	441.2	322.4	280.9
94.3	85°	70.7	74.5	123.5	140.5	143.3	247.0	381.8	341.2	247.9	208.3
33.9	87.5°	19.8	25.5	45.2	55.6	68.8	128.2	227.2	202.7	124.4	86.7
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>
2323.6
2494.2
2602.6
2633.7
2616.8
2577.2
2522.5
2430.1
2329.3
2265.2
2212.4
2153.9
2088.9
1993.7
1870.2
1713.7
1535.6
1357.4
1218.8
1126.5
1038.8
971.9
883.3
806.9
735.3
678.7
634.4
600.5
575.0
542.0
599.5
444.0
351.6
282.8
210.2
86.7
0.0

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