

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: P852509

Luminaire Tested: **GLAN-SB4B-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852509
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-SB4B-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18469 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

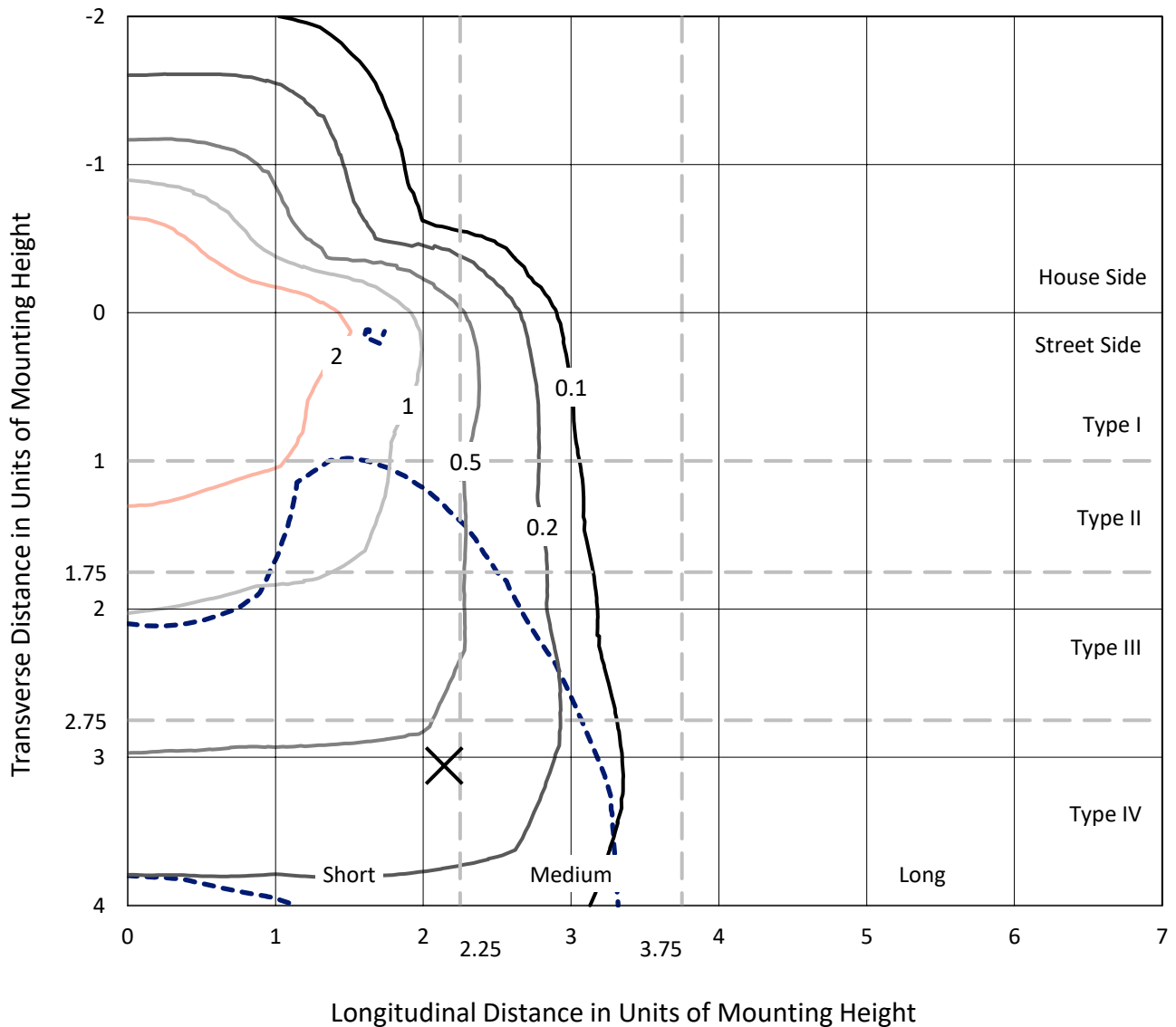
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

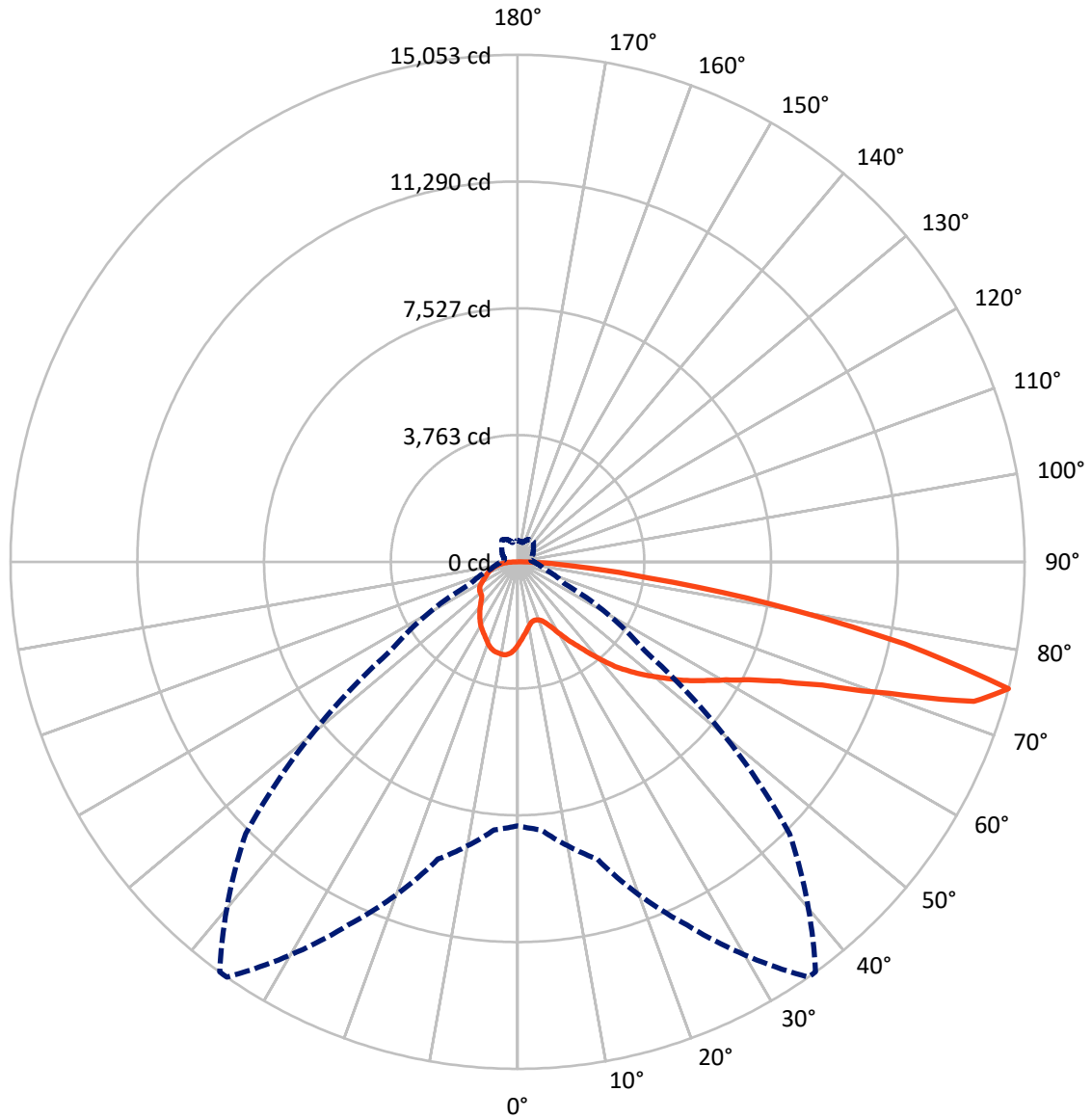
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type 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	4395.2	0.0	4395.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	14073.8	0.0	14073.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	18469.0	0.0	18469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	1.3
10°-20°	672.1	3.6
20°-30°	1128.7	6.1
30°-40°	1754.1	9.5
40°-50°	2603.6	14.1
50°-60°	3594.4	19.5
60°-70°	4360.8	23.6
70°-80°	3603.9	19.5
80°-90°	518.4	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°	18469.0	100.0
0°-180°	18469.0	100.0

Coefficient of Utilization



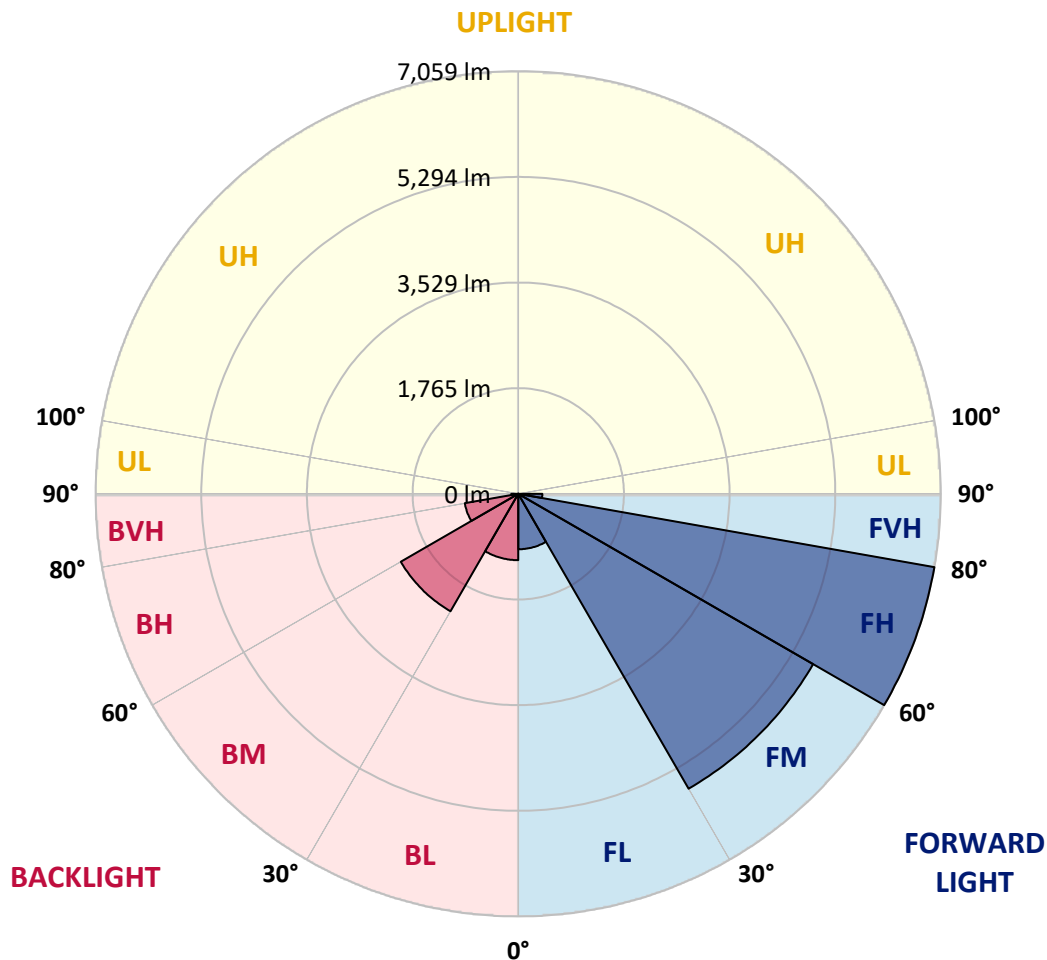
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.2	5.0			
FM (30°-60°)	5687.4	30.8			
FH (60°-80°)	7058.6	38.2			G3/7500
FVH (80°-90°)	401.6	2.2			G3/500
BL (0°-30°)	1107.6	6.0	B3/2500		
BM (30°-60°)	2264.7	12.3	B2/2500		
BH (60°-80°)	906.1	4.9	B2/1000		G2/1000
BVH (80°-90°)	116.7	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°	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1
2.5°	2269.4	2283.4	2289.4	2286.4	2301.4	2299.4	2320.3	2346.3	2382.2	2417.2
5°	2094.7	2109.7	2122.7	2134.6	2163.6	2172.6	2205.5	2255.4	2321.3	2388.2
7.5°	1932.0	1944.9	1964.9	1986.9	2035.8	2044.8	2099.7	2177.6	2269.4	2367.3
10°	1799.2	1812.1	1833.1	1858.1	1919.0	1930.0	1999.8	2103.7	2223.5	2347.3
12.5°	1742.3	1746.2	1758.2	1783.2	1836.1	1843.1	1920.0	2038.8	2178.6	2332.3
15°	1739.3	1747.2	1748.2	1761.2	1805.2	1808.1	1879.0	1996.9	2150.6	2329.3
17.5°	1769.2	1775.2	1766.2	1774.2	1811.1	1816.1	1872.0	1976.9	2141.6	2342.3
20°	1849.1	1854.1	1827.1	1816.1	1843.1	1847.1	1902.0	1989.9	2150.6	2369.3
22.5°	2018.8	2021.8	1955.9	1911.0	1913.0	1915.0	1962.9	2042.8	2185.6	2418.2
25°	2283.4	2281.4	2176.6	2089.7	2039.8	2028.8	2060.8	2128.6	2244.5	2483.1
27.5°	2592.9	2577.9	2473.1	2343.3	2234.5	2218.5	2211.5	2240.5	2328.3	2568.9
30°	2942.4	2928.4	2815.6	2645.8	2495.1	2469.1	2403.2	2388.2	2453.1	2685.8
32.5°	3325.8	3316.8	3182.0	2976.3	2774.6	2744.7	2633.8	2593.9	2644.8	2862.5
35°	3647.2	3639.3	3527.4	3315.8	3069.2	3032.2	2919.4	2874.5	2900.4	3089.1
37.5°	3937.8	3933.8	3837.9	3671.2	3416.6	3371.7	3244.9	3229.9	3224.9	3387.7
40°	4207.4	4197.4	4097.5	4009.7	3821.0	3780.0	3668.2	3655.2	3617.3	3755.1
42.5°	4505.9	4479.9	4335.2	4294.2	4243.3	4209.4	4142.5	4144.5	4060.6	4169.4
45°	4749.5	4734.5	4585.8	4561.8	4616.7	4602.7	4660.7	4675.6	4512.9	4603.7
47.5°	5011.1	4997.1	4871.3	4854.3	5003.1	5007.1	5211.8	5216.8	4954.2	5055.0
50°	5333.6	5313.6	5188.8	5209.8	5376.5	5391.5	5765.9	5732.0	5360.5	5513.3
52.5°	5546.3	5558.2	5531.3	5565.2	5792.9	5806.8	6311.0	6224.2	5762.9	5965.6
55°	5703.0	5727.0	5810.8	5888.7	6232.2	6246.2	6825.2	6692.4	6096.4	6384.9
57.5°	5904.7	5870.7	6027.5	6179.3	6649.5	6686.5	7325.4	7143.7	6391.9	6746.4
60°	6194.2	6170.3	6292.1	6516.7	7116.8	7175.7	7854.6	7550.1	6608.6	7032.9
62.5°	6781.3	6721.4	6740.4	6939.1	7705.8	7783.7	8451.7	7904.5	6716.4	7144.7
65°	7658.9	7556.1	7460.2	7598.0	8535.5	8612.4	9125.6	8183.1	6676.5	6928.1
67.5°	8764.2	8662.3	8544.5	8674.3	9757.6	9818.5	9957.3	8339.8	6362.0	6093.4
70°	9675.7	9637.8	9778.6	10312.7	11709.5	11711.5	11023.6	8210.1	5500.3	4320.2
72.5°	9554.9	9532.0	10273.8	11925.2	14169.7	14116.7	12033.0	7227.6	3705.2	1948.9
75°	7838.6	7987.4	9136.6	11896.2	15053.3	15046.3	11415.0	4594.8	1532.6	807.7
77.5°	4203.4	4439.0	5931.6	8783.2	11751.5	11928.2	8025.3	1607.5	658.0	517.2
80°	1370.8	1576.5	2364.3	4471.9	7636.0	7603.0	3439.6	631.0	450.3	366.4
82.5°	582.1	606.0	1056.3	2111.7	3918.8	3857.9	1095.3	362.4	316.5	250.6
85°	227.6	254.6	466.3	976.5	1697.3	1660.4	395.4	179.7	202.7	163.7
87.5°	74.9	90.9	166.7	334.5	528.2	509.2	96.8	61.9	87.9	74.9
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°
2461.1	0°	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1	2461.1
2468.1	2.5°	2482.1	2498.1	2517.0	2545.0	2568.9	2588.9	2609.9	2622.9	2627.9	2642.8
2472.1	5°	2500.1	2535.0	2581.9	2627.9	2672.8	2699.7	2723.7	2735.7	2746.7	2754.7
2483.1	7.5°	2530.0	2574.9	2648.8	2708.7	2746.7	2768.6	2784.6	2780.6	2784.6	2786.6
2495.1	10°	2556.0	2618.9	2706.7	2763.6	2792.6	2793.6	2789.6	2775.6	2768.6	2769.6
2513.0	12.5°	2586.9	2656.8	2751.7	2799.6	2807.6	2785.6	2768.6	2744.7	2735.7	2731.7
2540.0	15°	2628.9	2708.7	2800.6	2818.6	2798.6	2770.6	2741.7	2702.7	2682.8	2666.8
2585.9	17.5°	2679.8	2767.6	2838.5	2825.5	2782.6	2736.7	2689.8	2630.9	2589.9	2572.9
2648.8	20°	2750.7	2829.5	2867.5	2810.6	2745.7	2675.8	2595.9	2524.0	2486.1	2469.1
2728.7	22.5°	2836.5	2912.4	2895.4	2784.6	2692.8	2580.9	2481.1	2428.2	2409.2	2397.2
2831.5	25°	2939.4	3004.3	2915.4	2746.7	2605.9	2455.1	2378.2	2361.3	2352.3	2343.3
2957.3	27.5°	3073.2	3108.1	2930.4	2690.8	2470.1	2321.3	2293.4	2296.4	2293.4	2278.4
3132.1	30°	3249.9	3242.9	2944.4	2599.9	2314.4	2200.5	2202.5	2215.5	2217.5	2207.5
3375.7	32.5°	3482.5	3411.6	2951.3	2482.1	2165.6	2094.7	2096.7	2110.7	2120.7	2103.7
3694.2	35°	3764.1	3608.3	2940.4	2334.3	2050.8	1993.9	1978.9	1982.9	1985.9	1969.9
4080.6	37.5°	4092.5	3829.0	2891.4	2170.6	1955.9	1895.0	1863.1	1836.1	1820.1	1805.2
4517.9	40°	4453.0	4069.6	2801.6	2010.8	1850.1	1790.2	1742.3	1691.3	1637.4	1617.4
4981.1	42.5°	4830.4	4317.2	2692.8	1858.1	1728.3	1679.4	1628.4	1554.5	1473.7	1432.7
5462.4	45°	5221.8	4570.8	2585.9	1707.3	1603.5	1582.5	1523.6	1434.7	1346.9	1295.0
5944.6	47.5°	5605.2	4810.4	2429.2	1555.5	1486.7	1509.6	1463.7	1381.8	1284.0	1202.1
6422.9	50°	5971.6	5035.1	2172.6	1401.8	1391.8	1487.7	1443.7	1325.9	1214.1	1109.3
6892.1	52.5°	6335.0	5216.8	1844.1	1262.0	1340.9	1481.7	1417.8	1288.0	1151.2	1041.4
7333.4	55°	6643.5	5310.6	1527.6	1142.2	1267.0	1430.7	1386.8	1243.0	1062.3	945.5
7636.0	57.5°	6819.2	5234.7	1264.0	1024.4	1165.2	1346.9	1333.9	1147.2	956.5	866.6
7694.9	60°	6743.4	4927.2	1048.3	921.5	1068.3	1256.0	1242.0	1052.3	875.6	790.8
7379.4	62.5°	6325.0	4341.2	877.6	831.7	980.5	1163.2	1150.2	979.5	813.7	731.8
6541.7	65°	5482.4	3531.4	744.8	756.8	891.6	1051.3	1070.3	918.6	764.8	684.9
5061.0	67.5°	4181.4	2558.0	641.0	691.9	804.7	941.5	996.4	874.6	723.9	648.0
2928.4	70°	2383.2	1452.7	553.1	629.0	727.9	839.7	939.5	839.7	679.9	617.0
1097.3	72.5°	903.6	666.9	478.2	566.1	654.0	753.8	876.6	784.8	629.0	582.1
567.1	75°	482.2	406.4	402.4	492.2	569.1	669.9	797.7	730.8	591.1	615.0
392.4	77.5°	328.5	287.5	336.5	421.3	476.2	577.1	713.9	649.0	512.2	510.2
271.6	80°	227.6	203.7	273.6	339.5	368.4	485.2	623.0	557.1	417.3	389.4
167.7	82.5°	136.8	132.8	204.7	253.6	260.6	374.4	516.2	467.3	341.5	297.5
99.8	85°	74.9	78.9	130.8	148.8	151.8	261.6	404.4	361.4	262.6	220.7
35.9	87.5°	21.0	27.0	47.9	58.9	72.9	135.8	240.6	214.7	131.8	91.9
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°
2461.1
2641.8
2756.7
2789.6
2771.6
2729.7
2671.8
2573.9
2467.1
2399.2
2343.3
2281.4
2212.5
2111.7
1980.9
1815.1
1626.4
1437.7
1291.0
1193.1
1100.3
1029.4
935.5
854.7
778.8
718.9
671.9
636.0
609.0
574.1
635.0
470.3
372.4
299.5
222.6
91.9
0.0

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