

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: P852526

Luminaire Tested: **GLAN-SB4C-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2700K, 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: 20210 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

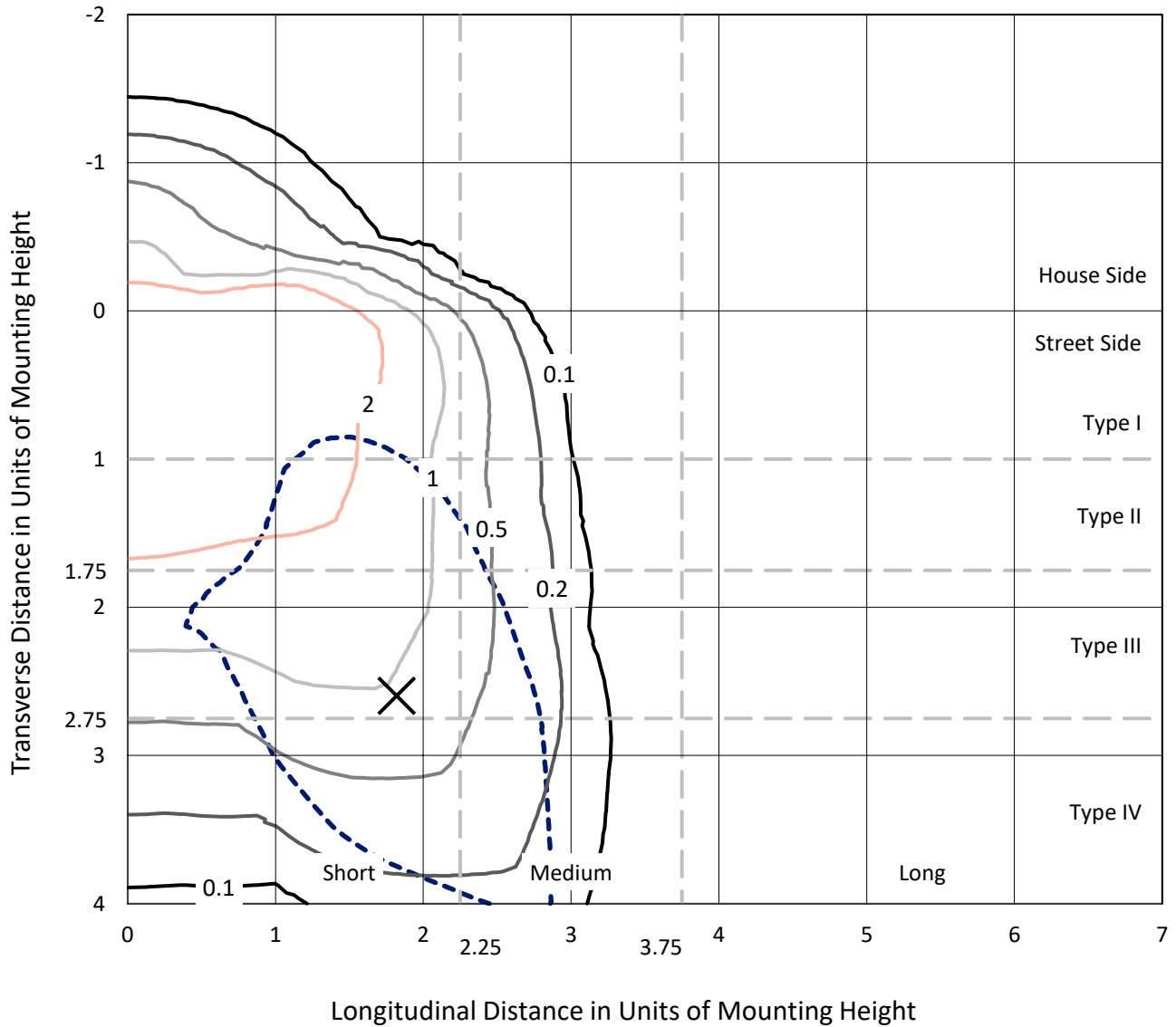
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

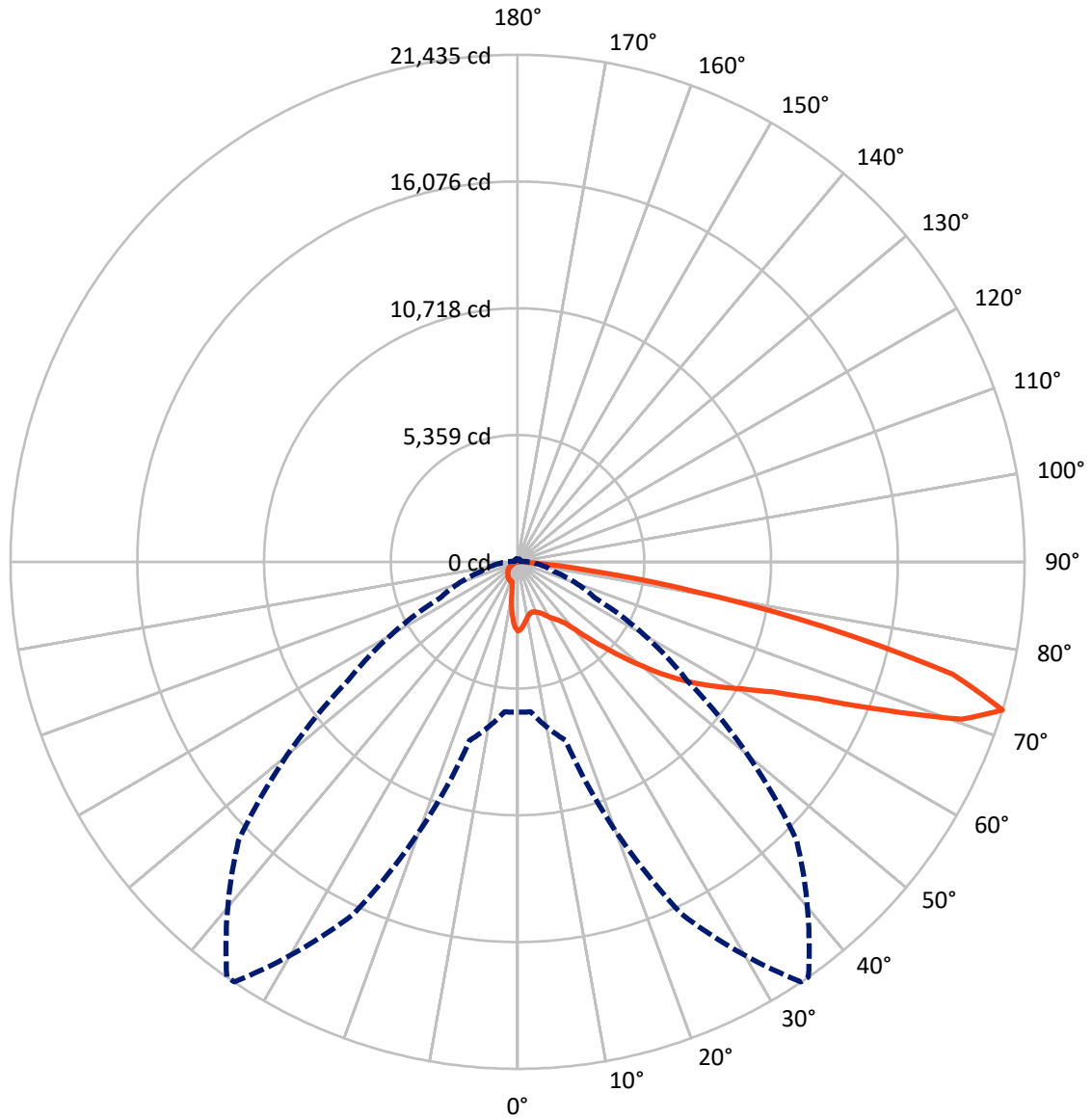
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2274.5	0.0	2274.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17935.5	0.0	17935.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	20210.0	0.0	20210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.7	1.2
10°-20°	563.1	2.8
20°-30°	914.7	4.5
30°-40°	1526.2	7.6
40°-50°	2887.6	14.3
50°-60°	4588.3	22.7
60°-70°	5676.1	28.1
70°-80°	3528.3	17.5
80°-90°	285.1	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°	20210.0	100.0
0°-180°	20210.0	100.0

Coefficient of Utilization



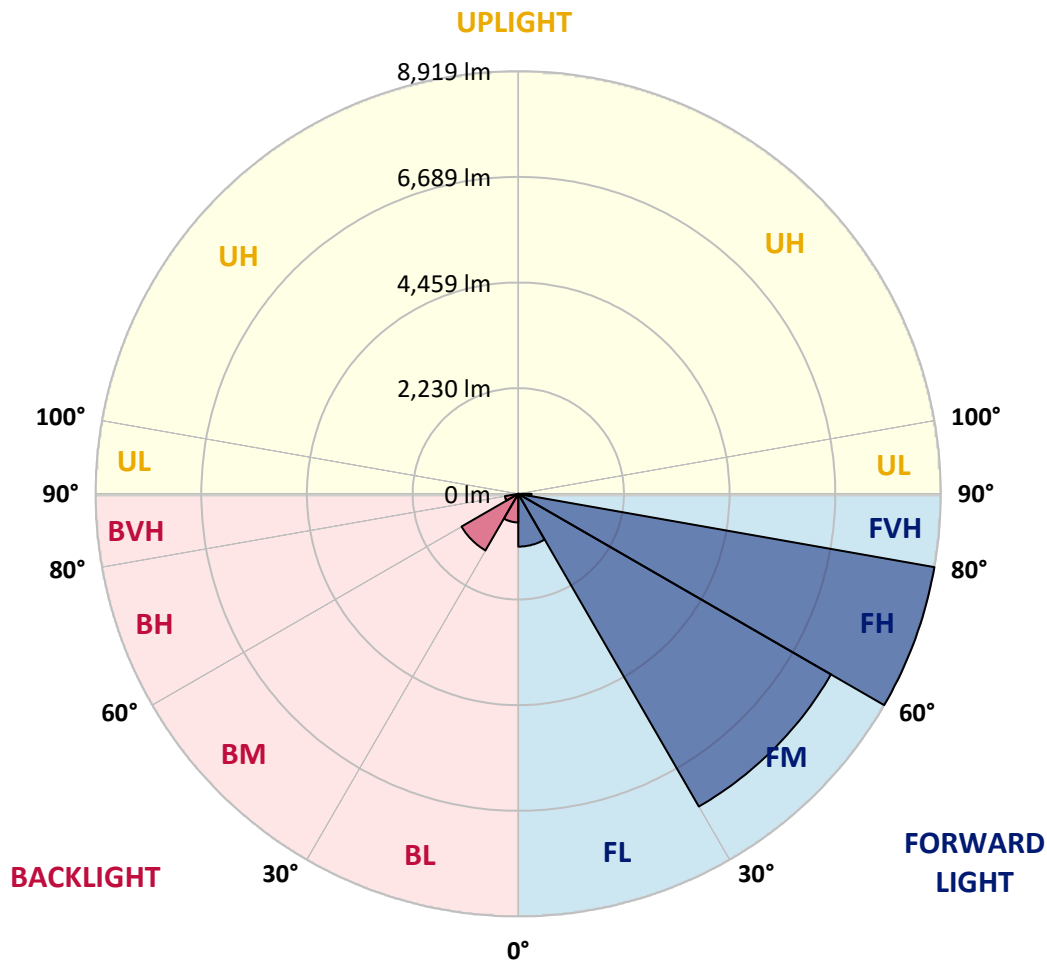
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1114.1	5.5			
FM	(30°-60°)	7621.2	37.7			
FH	(60°-80°)	8918.9	44.1			G4/12000
FVH	(80°-90°)	281.3	1.4			G3/500
BL	(0°-30°)	604.4	3.0	B2/1000		
BM	(30°-60°)	1380.9	6.8	B2/2500		
BH	(60°-80°)	285.4	1.4	B1/500		G1/500
BVH	(80°-90°)	3.9	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°	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1
2.5°	2798.8	2822.5	2826.9	2834.3	2834.3	2843.2	2858.0	2878.8	2912.8	2930.6
5°	2579.6	2597.4	2619.6	2637.4	2671.4	2675.9	2733.6	2789.9	2868.4	2927.6
7.5°	2359.0	2379.7	2409.3	2452.3	2496.7	2510.0	2597.4	2692.2	2816.6	2927.6
10°	2203.5	2205.0	2231.6	2274.6	2345.7	2361.9	2468.6	2603.3	2758.8	2909.9
12.5°	2116.1	2126.5	2138.3	2170.9	2239.0	2249.4	2363.4	2521.9	2701.1	2899.5
15°	2116.1	2123.5	2130.9	2147.2	2202.0	2210.9	2311.6	2470.0	2671.4	2903.9
17.5°	2138.3	2150.2	2144.3	2163.5	2221.3	2227.2	2316.0	2455.2	2670.0	2932.1
20°	2191.6	2200.5	2188.7	2200.5	2258.3	2270.1	2361.9	2483.4	2695.1	2980.9
22.5°	2276.1	2280.5	2252.4	2261.2	2320.5	2335.3	2441.9	2563.3	2755.8	3059.4
25°	2382.7	2391.6	2348.6	2359.0	2415.3	2433.0	2555.9	2683.3	2852.1	3167.5
27.5°	2505.6	2510.0	2473.0	2471.5	2544.1	2569.3	2693.7	2831.4	2980.9	3303.8
30°	2646.3	2659.6	2624.1	2618.1	2709.9	2730.7	2853.6	3013.5	3170.5	3508.1
32.5°	2757.3	2767.7	2747.0	2761.8	2855.1	2871.4	3047.6	3271.2	3468.1	3798.4
35°	2917.3	2923.2	2875.8	2902.5	3009.1	3050.5	3312.6	3632.5	3842.8	4162.6
37.5°	3496.3	3496.3	3294.9	3163.1	3265.3	3302.3	3675.5	4087.1	4304.8	4651.3
40°	4297.4	4284.1	3989.4	3719.9	3706.5	3779.1	4192.3	4660.2	4901.6	5237.7
42.5°	5151.9	5131.1	4729.8	4463.3	4418.8	4444.0	4789.0	5366.6	5612.4	5953.0
45°	5910.0	5904.1	5536.9	5178.5	5098.5	5178.5	5533.9	6192.9	6369.1	6727.5
47.5°	6545.3	6545.3	6277.3	6043.3	6001.9	6049.2	6542.4	7109.5	7093.2	7552.3
50°	7276.9	7270.9	7016.2	6915.5	6958.5	7025.1	7703.3	8075.0	7842.5	8362.3
52.5°	7789.2	7824.8	7737.4	7721.1	7940.3	8055.8	8882.1	9019.8	8513.4	9130.9
55°	8195.0	8236.4	8337.1	8451.2	8873.2	9024.3	10023.8	9915.7	9074.6	9797.3
57.5°	8769.5	8710.3	8865.8	9090.9	9773.6	9955.7	11130.0	10761.3	9526.3	10337.8
60°	9467.0	9475.9	9502.6	9786.9	10672.4	10906.4	12219.9	11560.9	9816.5	10669.5
62.5°	10305.2	10318.5	10373.3	10810.2	11879.3	12100.0	13380.9	12215.5	9949.8	10576.2
65°	10247.4	10303.7	10915.3	12409.5	13714.1	13931.8	14735.9	12674.5	9748.4	9723.2
67.5°	9335.2	9427.0	10450.3	14319.7	16480.3	16723.2	16373.7	12764.9	8879.1	7561.2
70°	8138.7	8171.3	9401.9	16037.5	19683.4	19929.2	17839.7	11771.2	6737.8	4217.4
72.5°	6355.8	6363.2	7807.0	16435.9	21421.9	21435.2	16689.1	8738.5	3623.6	1620.0
75°	4540.3	4495.8	5228.9	13329.1	18846.7	18997.7	12511.6	4099.0	1384.6	765.6
77.5°	2434.5	2483.4	2958.7	7904.7	13019.6	13277.2	6826.7	1181.7	704.9	521.3
80°	752.3	793.7	1212.8	3619.2	7374.6	7530.1	2530.8	525.7	491.6	371.7
82.5°	236.9	245.8	565.7	1520.8	3060.9	3132.0	733.0	297.6	336.2	245.8
85°	68.1	69.6	251.7	567.2	756.7	771.5	205.8	115.5	192.5	152.5
87.5°	7.4	23.7	94.8	94.8	66.6	65.2	22.2	25.2	54.8	19.3
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°
2929.1	0°	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1	2929.1
2942.4	2.5°	2935.0	2936.5	2917.3	2884.7	2849.1	2819.5	2782.5	2752.9	2732.2	2726.2
2969.1	5°	2955.8	2945.4	2890.6	2791.4	2672.9	2570.7	2456.7	2366.4	2307.2	2282.0
2997.2	7.5°	2986.9	2957.2	2837.3	2641.8	2415.3	2213.9	2009.5	1851.1	1750.4	1700.0
3023.9	10°	3013.5	2954.3	2748.4	2425.6	2079.1	1774.0	1498.6	1307.6	1201.0	1150.6
3055.0	12.5°	3038.7	2952.8	2632.9	2169.4	1700.0	1326.8	1070.6	975.9	946.3	935.9
3105.3	15°	3086.1	2957.2	2487.8	1876.2	1322.4	1002.5	909.2	907.8	913.7	910.7
3182.3	17.5°	3151.2	2961.7	2323.4	1565.3	1020.3	884.1	879.6	892.9	901.8	897.4
3278.6	20°	3235.6	2979.5	2148.7	1257.2	876.7	854.4	864.8	876.7	884.1	876.7
3407.4	22.5°	3354.1	3010.6	1957.7	1009.9	830.8	836.7	845.6	858.9	866.3	855.9
3571.8	25°	3499.2	3059.4	1769.6	878.1	808.5	815.9	829.3	844.1	853.0	842.6
3779.1	27.5°	3687.3	3137.9	1596.3	848.5	786.3	790.8	810.0	832.2	844.1	830.8
4073.8	30°	3959.8	3266.7	1446.8	861.9	773.0	762.6	789.3	820.4	833.7	821.9
4475.1	32.5°	4321.1	3448.9	1355.0	882.6	767.1	730.1	755.2	795.2	817.4	810.0
4999.3	35°	4795.0	3725.8	1319.4	906.3	762.6	696.0	713.8	756.7	795.2	802.6
5659.8	37.5°	5369.5	4110.8	1329.8	916.6	749.3	667.9	676.7	713.8	764.1	787.8
6403.2	40°	6022.6	4559.5	1389.0	906.3	734.5	644.2	645.6	673.8	718.2	753.7
7202.8	42.5°	6696.4	5083.7	1498.6	867.8	721.2	623.4	619.0	638.2	667.9	693.0
8001.0	45°	7337.6	5622.8	1606.7	814.5	704.9	602.7	592.3	599.7	605.7	616.0
8778.4	47.5°	7897.3	6001.9	1575.6	765.6	682.7	579.0	561.2	558.3	540.5	539.0
9472.9	50°	8283.8	6084.8	1399.4	716.7	650.1	552.4	524.2	506.4	475.4	460.5
9992.7	52.5°	8406.7	5757.5	1143.2	667.9	596.8	516.8	476.8	448.7	410.2	396.9
10291.9	55°	8243.9	5116.3	913.7	608.6	522.7	469.4	425.0	388.0	356.9	340.6
10324.4	57.5°	7845.5	4300.4	722.7	539.0	444.3	416.1	371.7	334.7	308.0	291.7
9963.1	60°	7185.0	3414.8	571.6	456.1	379.1	358.4	312.5	288.8	265.1	245.8
9030.2	62.5°	6182.5	2437.5	448.7	361.3	316.9	293.2	266.6	248.8	220.6	194.0
7352.4	65°	4824.6	1491.2	346.5	265.1	254.7	242.9	226.6	210.3	176.2	149.6
4796.4	67.5°	3043.1	706.4	247.3	199.9	201.4	195.5	188.1	174.7	149.6	125.9
2148.7	70°	1340.2	342.1	162.9	152.5	149.6	149.6	155.5	151.0	127.4	105.1
746.3	72.5°	456.1	183.6	121.4	115.5	108.1	106.6	130.3	125.9	102.2	81.4
371.7	75°	238.4	122.9	88.9	82.9	65.2	78.5	103.7	97.7	72.6	53.3
245.8	77.5°	155.5	87.4	60.7	53.3	37.0	51.8	77.0	68.1	42.9	26.7
161.4	80°	97.7	57.8	35.5	25.2	17.8	28.1	41.5	29.6	16.3	5.9
94.8	82.5°	51.8	29.6	13.3	8.9	7.4	8.9	10.4	7.4	3.0	0.0
48.9	85°	20.7	10.4	4.4	3.0	1.5	0.0	3.0	1.5	0.0	0.0
8.9	87.5°	7.4	1.5	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°
2929.1
2736.6
2290.9
1707.4
1152.1
932.9
909.2
895.9
875.2
854.4
841.1
830.8
820.4
810.0
802.6
793.7
765.6
703.4
622.0
537.5
462.0
395.4
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