

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: P852447

Luminaire Tested: **GLAN-SB3D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852447
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-SB3D-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19433 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

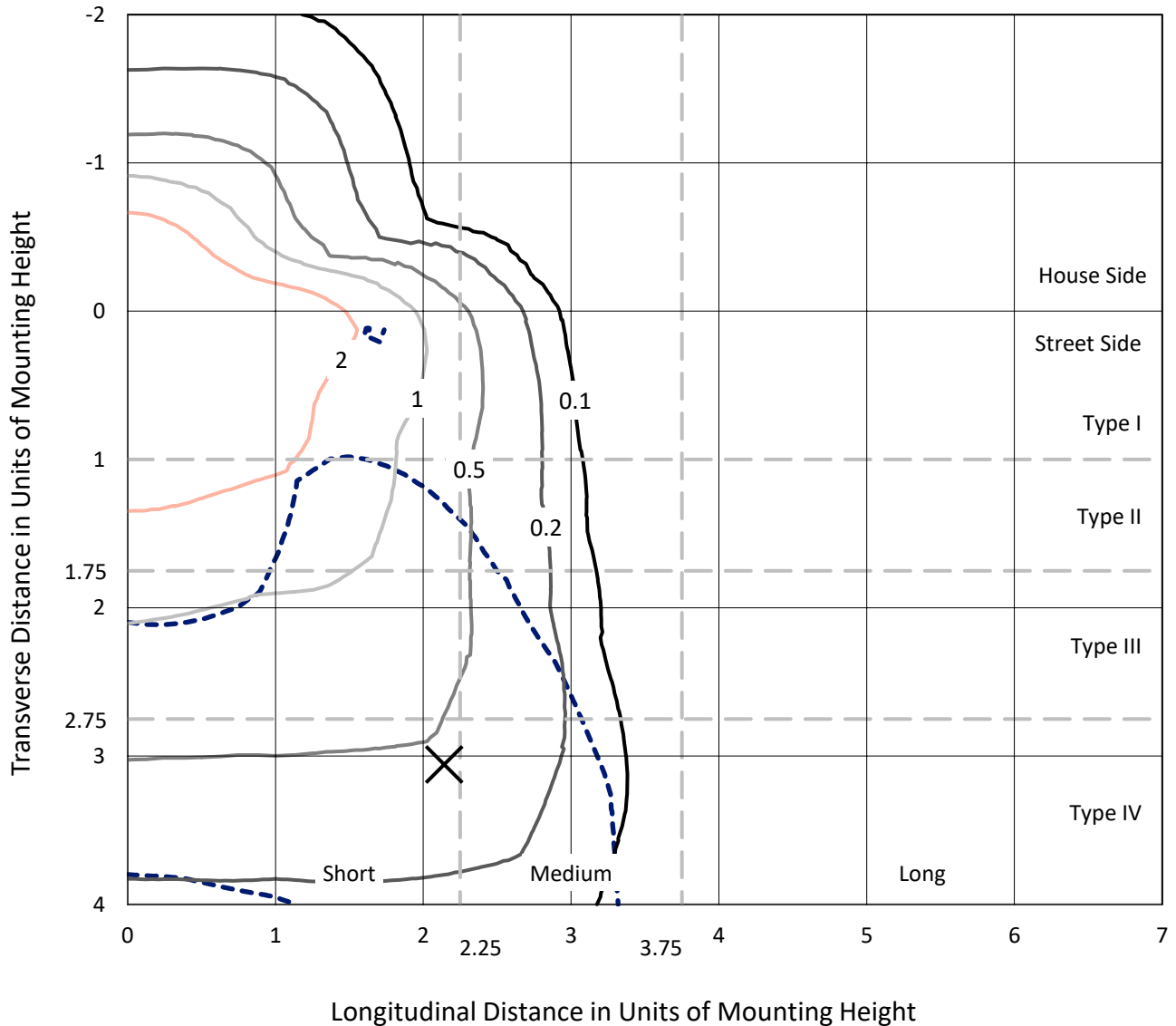
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

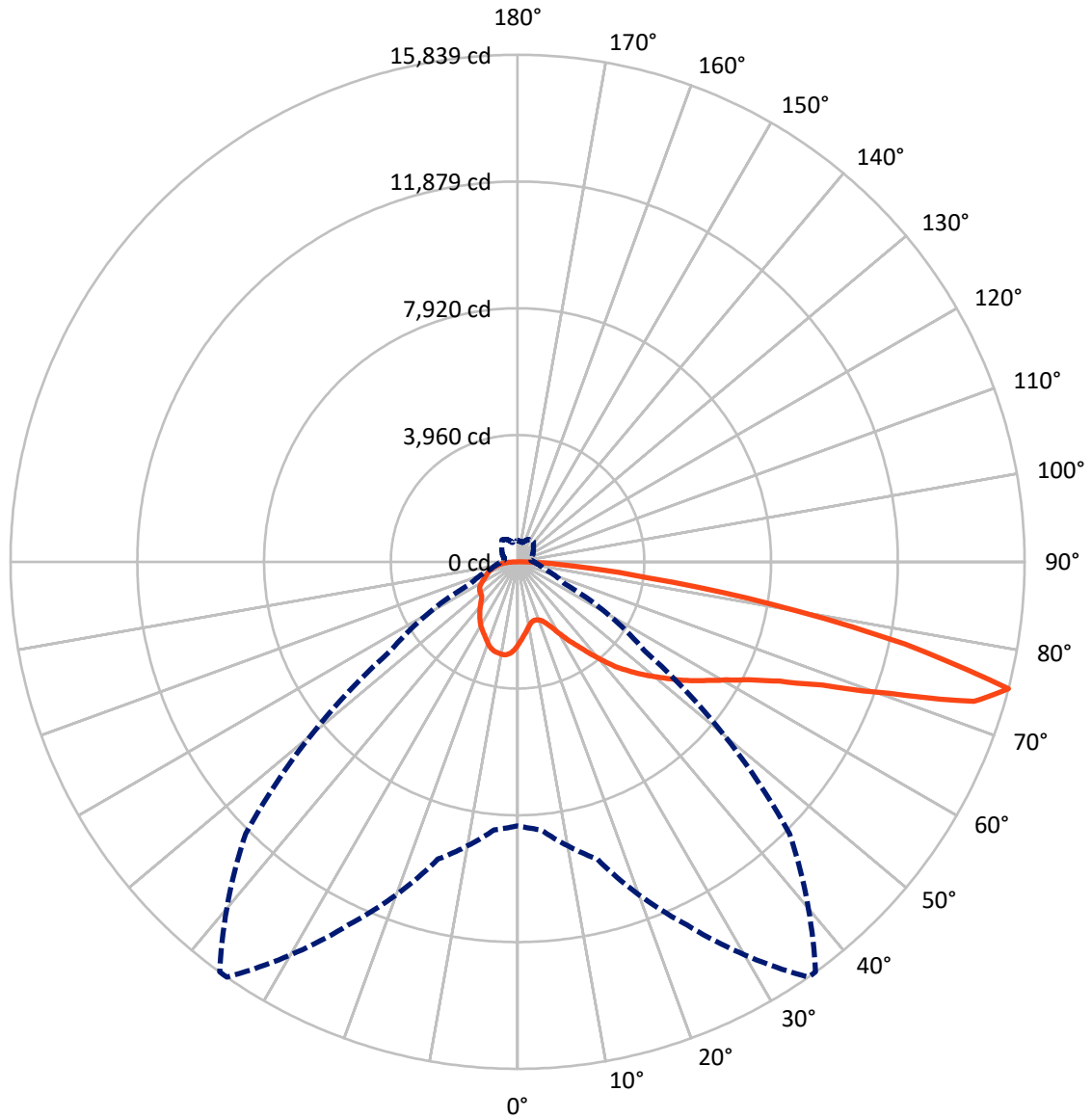
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	4624.6	0.0	4624.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	14808.4	0.0	14808.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	19433.0	0.0	19433.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.2	1.3
10°-20°	707.2	3.6
20°-30°	1187.6	6.1
30°-40°	1845.7	9.5
40°-50°	2739.5	14.1
50°-60°	3782.0	19.5
60°-70°	4588.4	23.6
70°-80°	3792.0	19.5
80°-90°	545.4	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°	19433.0	100.0
0°-180°	19433.0	100.0

Coefficient of Utilization



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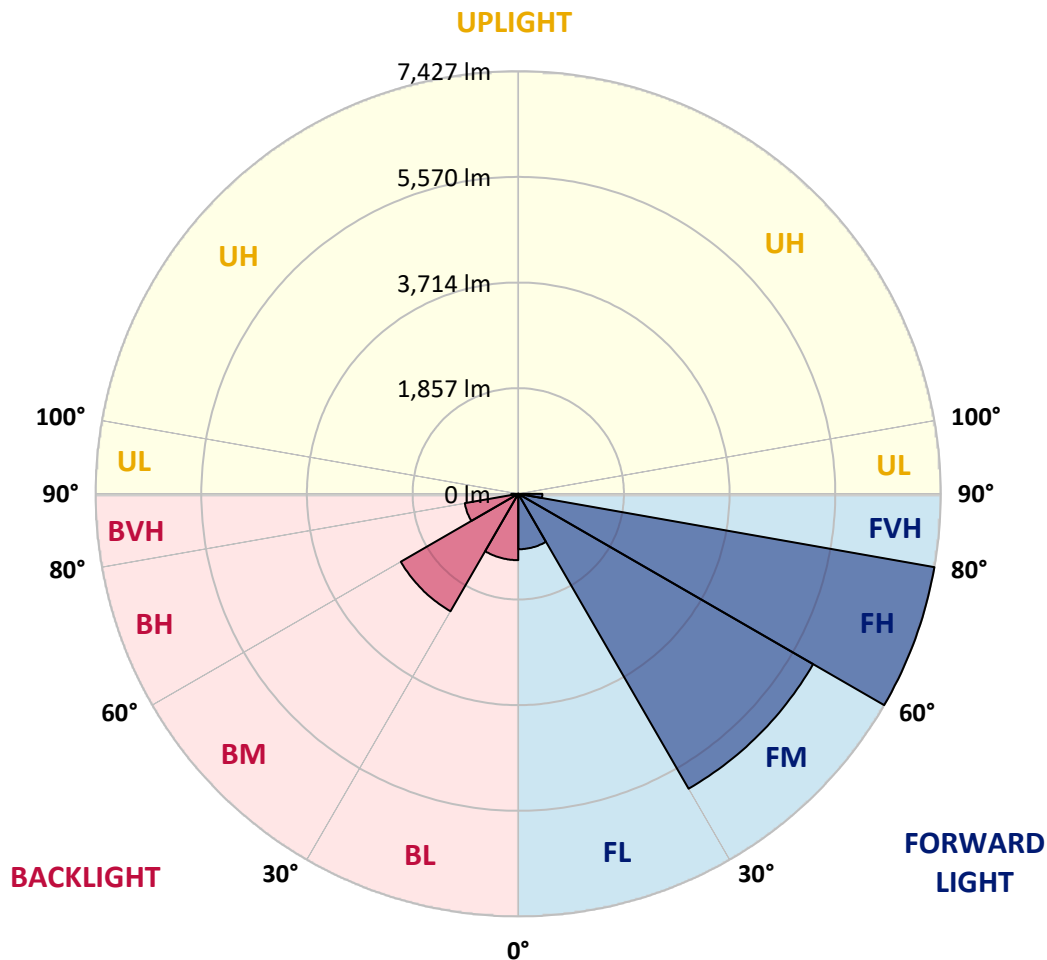
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.5	5.0			
FM (30°-60°)	5984.3	30.8			
FH (60°-80°)	7427.0	38.2			G3/7500
FVH (80°-90°)	422.6	2.2			G3/500
BL (0°-30°)	1165.5	6.0	B3/2500		
BM (30°-60°)	2382.9	12.3	B2/2500		
BH (60°-80°)	953.4	4.9	B2/1000		G2/1000
BVH (80°-90°)	122.8	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°	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6
2.5°	2387.9	2402.6	2408.9	2405.7	2421.5	2419.4	2441.5	2468.8	2506.6	2543.4
5°	2204.0	2219.8	2233.4	2246.1	2276.5	2286.0	2320.6	2373.2	2442.5	2512.9
7.5°	2032.8	2046.5	2067.5	2090.6	2142.0	2151.5	2209.3	2291.2	2387.9	2490.8
10°	1893.1	1906.7	1928.8	1955.1	2019.1	2030.7	2104.2	2213.5	2339.6	2469.8
12.5°	1833.2	1837.4	1850.0	1876.3	1931.9	1939.3	2020.2	2145.2	2292.3	2454.1
15°	1830.0	1838.4	1839.5	1853.2	1899.4	1902.5	1977.1	2101.1	2262.9	2450.9
17.5°	1861.6	1867.9	1858.4	1866.8	1905.7	1910.9	1969.8	2080.1	2253.4	2464.6
20°	1945.6	1950.9	1922.5	1910.9	1939.3	1943.5	2001.3	2093.7	2262.9	2492.9
22.5°	2124.2	2127.3	2058.0	2010.7	2012.8	2014.9	2065.4	2149.4	2299.6	2544.4
25°	2402.6	2400.5	2290.2	2198.8	2146.3	2134.7	2168.3	2239.7	2361.6	2612.7
27.5°	2728.2	2712.5	2602.2	2465.6	2351.1	2334.3	2326.9	2357.4	2449.9	2703.0
30°	3095.9	3081.2	2962.5	2783.9	2625.3	2598.0	2528.6	2512.9	2581.2	2825.9
32.5°	3499.3	3489.9	3348.1	3131.7	2919.4	2887.9	2771.3	2729.3	2782.9	3011.9
35°	3837.6	3829.2	3711.6	3488.8	3229.4	3190.5	3071.8	3024.5	3051.8	3250.4
37.5°	4143.3	4139.1	4038.3	3862.8	3594.9	3547.7	3414.3	3398.5	3393.2	3564.5
40°	4427.0	4416.5	4311.4	4219.0	4020.4	3977.3	3859.7	3846.0	3806.1	3951.1
42.5°	4741.1	4713.8	4561.4	4518.4	4464.8	4429.1	4358.7	4360.8	4272.5	4387.1
45°	4997.4	4981.7	4825.1	4799.9	4857.7	4843.0	4903.9	4919.7	4748.4	4844.0
47.5°	5272.7	5257.9	5125.6	5107.7	5264.3	5268.5	5483.8	5489.1	5212.8	5318.9
50°	5612.0	5591.0	5459.7	5481.7	5657.2	5672.9	6066.9	6031.1	5640.3	5801.1
52.5°	5835.7	5848.4	5820.0	5855.7	6095.2	6109.9	6640.5	6549.1	6063.7	6277.0
55°	6000.7	6025.9	6114.1	6196.1	6557.5	6572.2	7181.5	7041.8	6414.6	6718.2
57.5°	6212.9	6177.2	6342.1	6501.8	6996.6	7035.5	7707.8	7516.6	6725.6	7098.5
60°	6517.5	6492.3	6620.5	6856.9	7488.2	7550.2	8264.6	7944.2	6953.5	7400.0
62.5°	7135.3	7072.2	7092.2	7301.2	8108.1	8190.0	8892.8	8317.1	7067.0	7517.7
65°	8058.7	7950.5	7849.6	7994.6	8981.1	9061.9	9601.9	8610.2	7025.0	7289.7
67.5°	9221.6	9114.5	8990.5	9127.1	10266.9	10331.0	10477.0	8775.2	6694.0	6411.4
70°	10180.8	10140.9	10289.0	10851.0	12320.7	12322.8	11599.0	8638.6	5787.4	4545.7
72.5°	10053.7	10029.5	10810.0	12547.6	14909.2	14853.6	12661.1	7604.9	3898.6	2050.7
75°	8247.8	8404.3	9613.5	12517.2	15839.0	15831.6	12010.8	4834.6	1612.6	849.9
77.5°	4422.8	4670.7	6241.3	9241.6	12364.8	12550.8	8444.2	1691.4	692.3	544.2
80°	1442.4	1658.8	2487.7	4705.4	8034.5	7999.9	3619.1	663.9	473.8	385.5
82.5°	612.5	637.7	1111.5	2221.9	4123.4	4059.3	1152.4	381.3	333.0	263.7
85°	239.5	267.9	490.6	1027.4	1785.9	1747.0	416.0	189.1	213.3	172.3
87.5°	78.8	95.6	175.4	351.9	555.7	535.8	101.9	65.1	92.4	78.8
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°
2589.6	0°	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6	2589.6
2596.9	2.5°	2611.6	2628.4	2648.4	2677.8	2703.0	2724.0	2746.1	2759.8	2765.0	2780.8
2601.1	5°	2630.5	2667.3	2716.7	2765.0	2812.3	2840.7	2865.9	2878.5	2890.0	2898.4
2612.7	7.5°	2662.1	2709.3	2787.1	2850.1	2890.0	2913.1	2930.0	2925.8	2930.0	2932.1
2625.3	10°	2689.4	2755.6	2848.0	2907.9	2938.4	2939.4	2935.2	2920.5	2913.1	2914.2
2644.2	12.5°	2721.9	2795.5	2895.3	2945.7	2954.1	2931.0	2913.1	2887.9	2878.5	2874.3
2672.6	15°	2766.1	2850.1	2946.8	2965.7	2944.7	2915.2	2884.8	2843.8	2822.8	2806.0
2720.9	17.5°	2819.6	2912.1	2986.7	2973.0	2927.9	2879.5	2830.2	2768.2	2725.1	2707.2
2787.1	20°	2894.2	2977.2	3017.1	2957.3	2889.0	2815.4	2731.4	2655.8	2615.8	2598.0
2871.1	22.5°	2984.6	3064.4	3046.6	2930.0	2833.3	2715.6	2610.6	2554.9	2535.0	2522.3
2979.3	25°	3092.8	3161.1	3067.6	2890.0	2741.9	2583.3	2502.4	2484.5	2475.1	2465.6
3111.7	27.5°	3233.6	3270.3	3083.3	2831.2	2599.0	2442.5	2413.1	2416.2	2413.1	2397.3
3295.5	30°	3419.5	3412.2	3098.0	2735.6	2435.1	2315.4	2317.5	2331.1	2333.2	2322.7
3551.9	32.5°	3664.3	3589.7	3105.4	2611.6	2278.6	2204.0	2206.1	2220.8	2231.3	2213.5
3887.0	35°	3960.5	3796.6	3093.8	2456.2	2157.8	2097.9	2082.2	2086.4	2089.5	2072.7
4293.6	37.5°	4306.2	4028.8	3042.4	2283.9	2058.0	1993.9	1960.3	1931.9	1915.1	1899.4
4753.7	40°	4685.4	4282.0	2947.8	2115.8	1946.6	1883.6	1833.2	1779.6	1722.9	1701.9
5241.1	42.5°	5082.5	4542.5	2833.3	1955.1	1818.5	1767.0	1713.4	1635.7	1550.6	1507.5
5747.5	45°	5494.3	4809.4	2720.9	1796.4	1687.2	1665.1	1603.1	1509.6	1417.2	1362.5
6254.9	47.5°	5897.7	5061.5	2556.0	1636.7	1564.3	1588.4	1540.1	1453.9	1351.0	1264.8
6758.1	50°	6283.3	5297.9	2286.0	1475.0	1464.5	1565.3	1519.1	1395.1	1277.5	1167.1
7251.9	52.5°	6665.7	5489.1	1940.3	1327.9	1410.9	1559.0	1491.8	1355.2	1211.3	1095.7
7716.2	55°	6990.3	5587.8	1607.3	1201.8	1333.1	1505.4	1459.2	1307.9	1117.8	994.9
8034.5	57.5°	7175.2	5508.0	1330.0	1077.9	1226.0	1417.2	1403.5	1207.1	1006.4	911.9
8096.5	60°	7095.3	5184.4	1103.1	969.6	1124.1	1321.6	1306.9	1107.3	921.3	832.0
7764.5	62.5°	6655.2	4567.7	923.4	875.1	1031.6	1223.9	1210.2	1030.6	856.2	770.0
6883.1	65°	5768.5	3715.8	783.7	796.3	938.1	1106.2	1126.2	966.5	804.7	720.7
5325.2	67.5°	4399.7	2691.5	674.4	728.0	846.7	990.7	1048.4	920.3	761.6	681.8
3081.2	70°	2507.6	1528.5	582.0	661.8	765.8	883.5	988.6	883.5	715.4	649.2
1154.5	72.5°	950.7	701.8	503.2	595.7	688.1	793.2	922.4	825.7	661.8	612.5
596.7	75°	507.4	427.6	423.4	517.9	598.8	704.9	839.4	769.0	621.9	647.1
412.9	77.5°	345.6	302.6	354.0	443.3	501.1	607.2	751.1	682.9	538.9	536.8
285.7	80°	239.5	214.3	287.8	357.2	387.6	510.6	655.5	586.2	439.1	409.7
176.5	82.5°	143.9	139.7	215.4	266.8	274.2	394.0	543.1	491.7	359.3	313.1
105.1	85°	78.8	83.0	137.6	156.5	159.7	275.2	425.5	380.3	276.3	232.2
37.8	87.5°	22.1	28.4	50.4	62.0	76.7	142.9	253.2	225.9	138.7	96.6
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>
2589.6
2779.7
2900.5
2935.2
2916.3
2872.2
2811.2
2708.3
2595.9
2524.4
2465.6
2400.5
2328.0
2221.9
2084.3
1909.9
1711.3
1512.8
1358.3
1255.4
1157.7
1083.1
984.4
899.3
819.4
756.4
707.0
669.2
640.8
604.1
668.1
494.8
391.9
315.2
234.3
96.6
0.0

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