

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: P846918

Luminaire Tested: **GLAN-SB2D-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19983 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

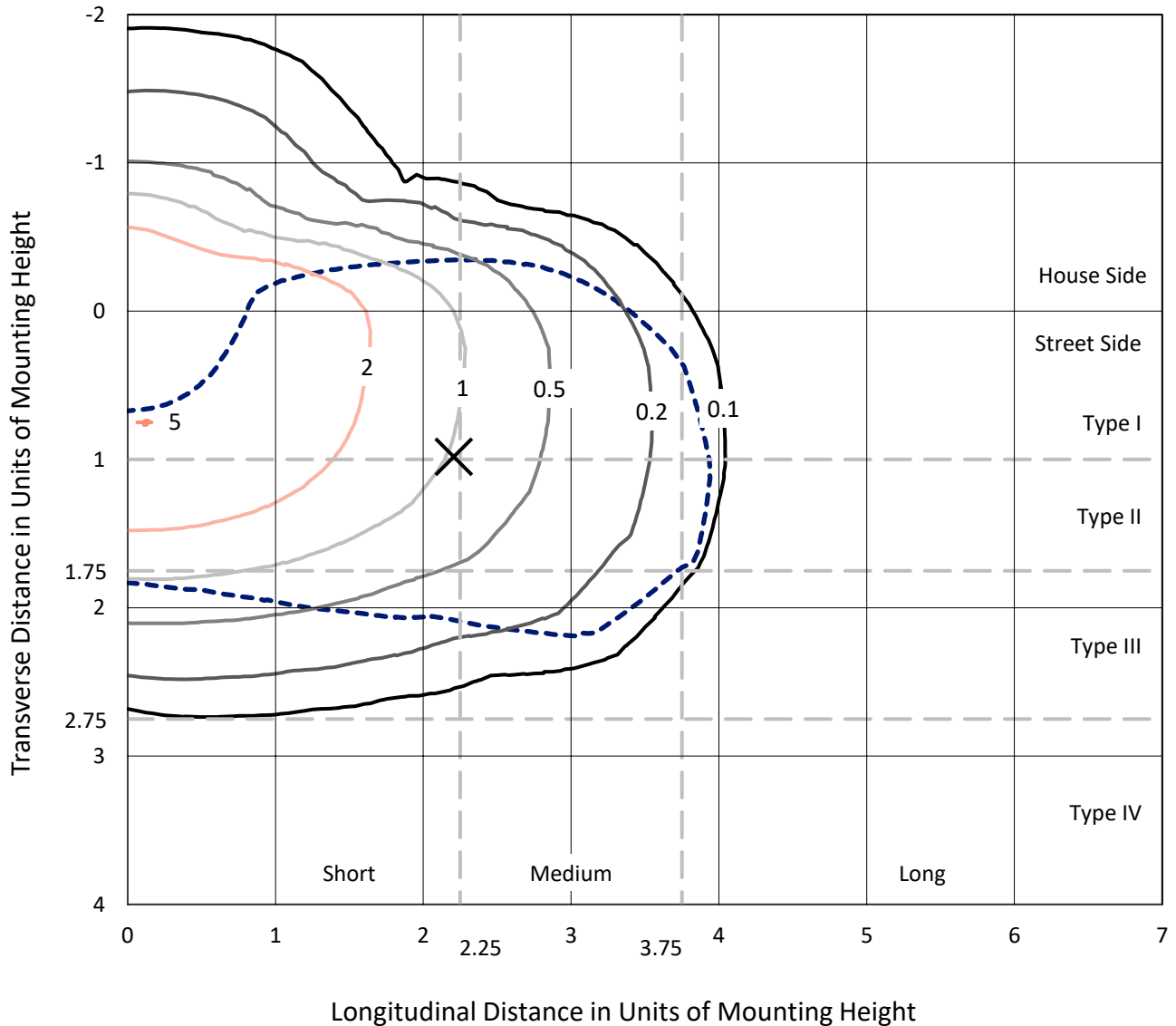
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

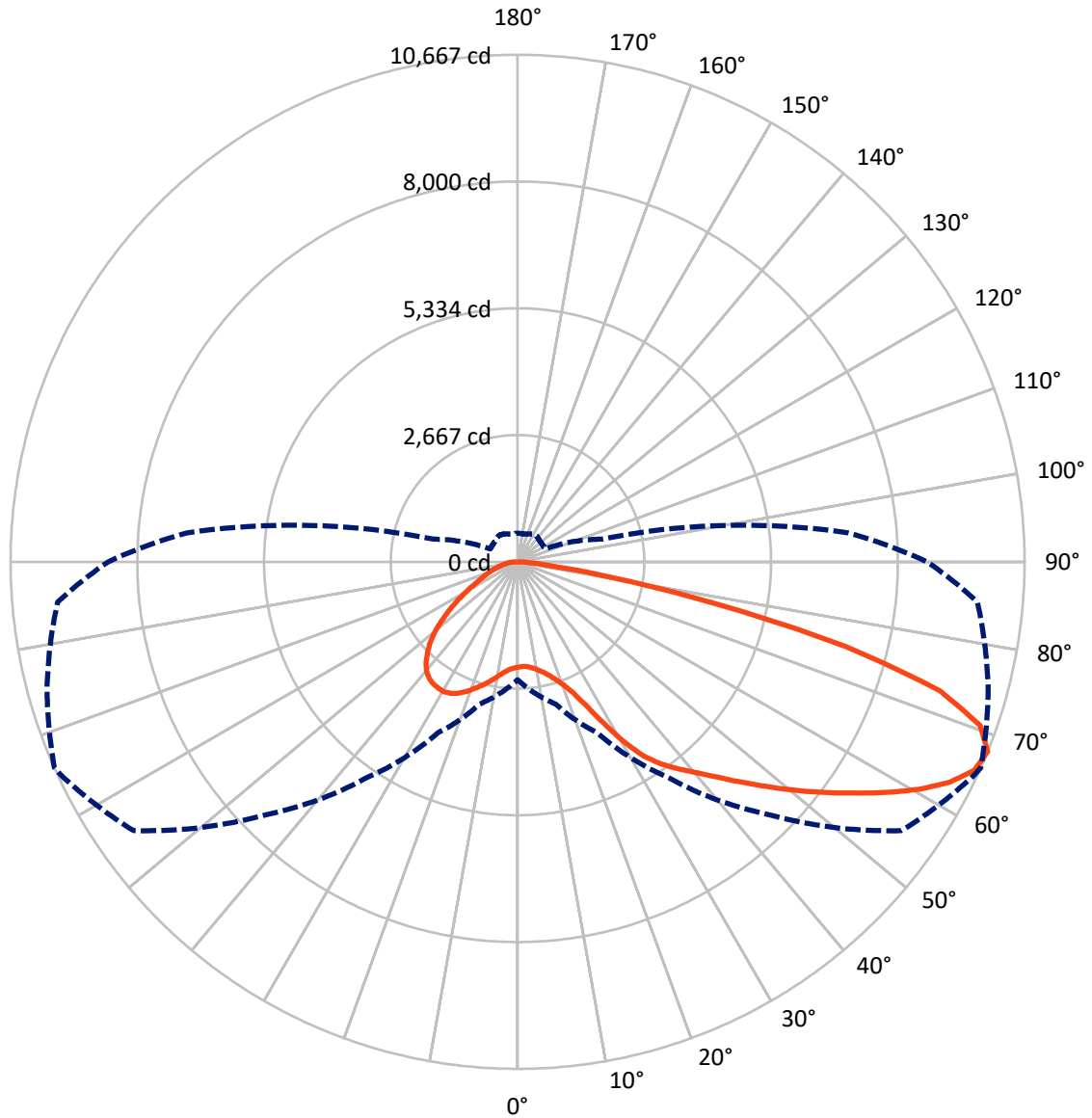
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4968.7	0.0	4968.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15014.3	0.0	15014.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	19983.0	0.0	19983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.7	1.1
10°-20°	726.0	3.6
20°-30°	1399.3	7.0
30°-40°	2453.6	12.3
40°-50°	3647.6	18.3
50°-60°	4623.7	23.1
60°-70°	4524.2	22.6
70°-80°	2158.1	10.8
80°-90°	230.6	1.2
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°	19983.0	100.0
0°-180°	19983.0	100.0

Coefficient of Utilization



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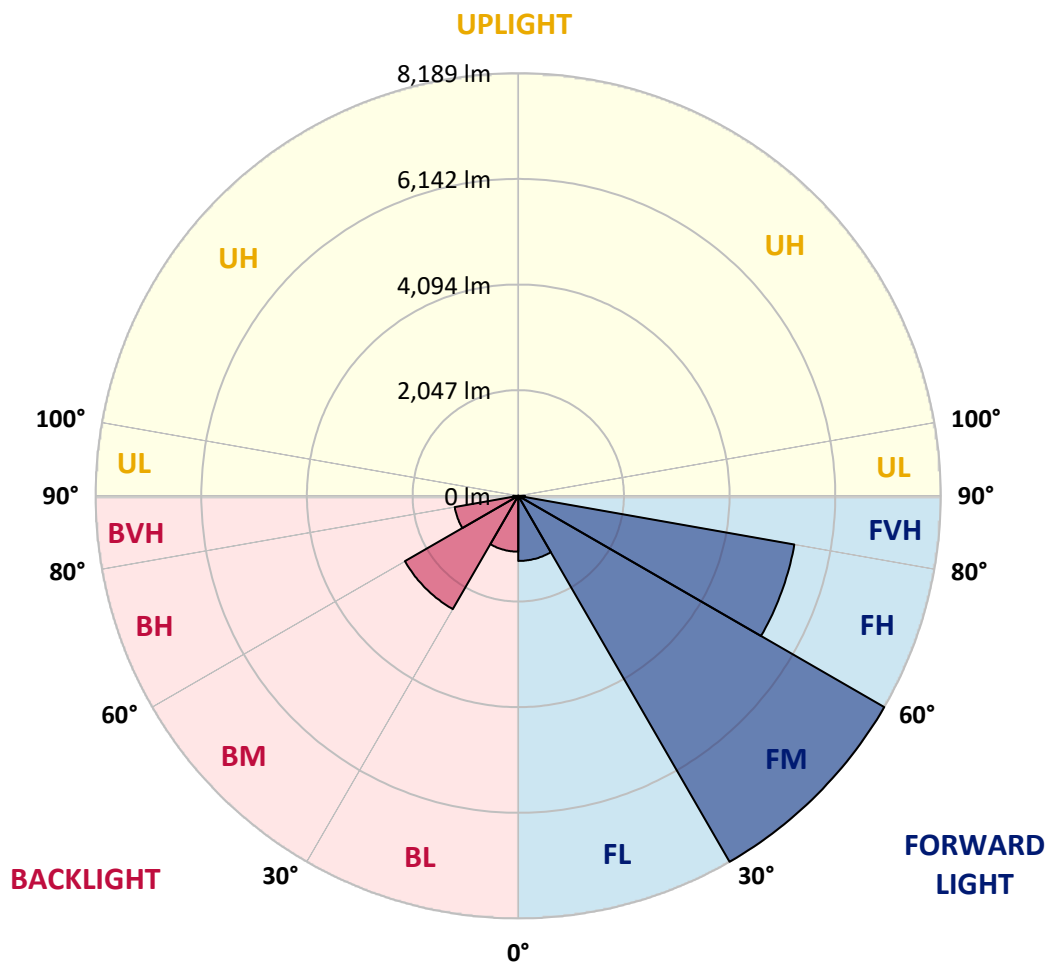
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1262.7	6.3			
FM (30°-60°)	8188.9	41.0			
FH (60°-80°)	5431.9	27.2			G3/7500
FVH (80°-90°)	130.8	0.7			G2/225
BL (0°-30°)	1082.4	5.4	B3/2500		
BM (30°-60°)	2536.1	12.7	B3/5000		
BH (60°-80°)	1250.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	99.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4
2.5°	2193.3	2205.9	2202.7	2197.5	2196.4	2198.5	2201.7	2204.8	2203.8	2209.0
5°	2187.0	2199.6	2198.5	2198.5	2202.7	2211.1	2216.4	2221.6	2216.4	2222.7
7.5°	2191.2	2200.6	2204.8	2209.0	2219.5	2235.3	2247.9	2259.4	2253.1	2260.5
10°	2244.7	2252.1	2256.3	2256.3	2263.6	2281.5	2294.1	2315.1	2309.8	2321.4
12.5°	2342.4	2349.7	2349.7	2345.5	2350.8	2362.3	2366.5	2389.6	2380.2	2399.1
15°	2462.1	2476.8	2465.2	2457.9	2460.0	2471.5	2470.5	2488.3	2478.9	2494.6
17.5°	2594.3	2613.2	2594.3	2593.3	2589.1	2601.7	2602.7	2618.5	2601.7	2613.2
20°	2750.8	2777.0	2761.3	2766.5	2757.1	2762.3	2767.6	2790.7	2764.4	2772.8
22.5°	2971.3	3002.8	2986.0	3005.9	2999.6	2995.4	2994.4	3035.3	2994.4	2997.5
25°	3292.5	3330.3	3300.9	3328.2	3328.2	3341.9	3357.6	3410.1	3341.9	3321.9
27.5°	3767.1	3804.9	3747.2	3764.0	3758.7	3792.3	3775.5	3905.7	3832.2	3799.7
30°	4338.3	4405.5	4296.3	4292.1	4286.8	4340.4	4364.5	4450.6	4376.1	4343.5
32.5°	4955.6	5026.0	4895.8	4858.0	4838.0	4870.6	4850.6	4919.9	4868.5	4818.1
35°	5608.7	5678.0	5554.1	5480.6	5400.8	5332.5	5261.1	5279.0	5230.7	5154.1
37.5°	6226.0	6353.1	6221.8	6143.1	5996.1	5862.7	5663.3	5580.3	5535.2	5464.8
40°	6854.9	6927.4	6827.6	6760.4	6600.8	6391.9	6072.7	5897.4	5836.5	5768.3
42.5°	7317.9	7387.2	7333.7	7287.5	7162.5	6920.0	6507.4	6288.0	6199.8	6123.1
45°	7685.4	7736.9	7703.3	7720.1	7666.5	7431.3	6957.8	6706.9	6615.5	6522.1
47.5°	7833.4	7888.0	7941.6	8041.3	8132.7	7959.4	7441.8	7160.4	7063.9	6968.3
50°	7816.6	7872.3	8027.7	8239.8	8523.2	8465.5	7952.1	7643.4	7554.2	7445.0
52.5°	7682.3	7745.3	7944.7	8297.5	8749.0	8844.5	8471.8	8142.1	8058.1	7927.9
55°	7329.5	7367.3	7666.5	8166.3	8802.5	9109.1	8981.0	8673.4	8589.4	8407.8
57.5°	6675.4	6730.0	7165.7	7812.4	8668.1	9288.6	9428.3	9231.9	9151.1	8889.7
60°	5821.8	5908.9	6407.7	7218.2	8325.9	9287.6	9834.6	9781.0	9713.8	9364.2
62.5°	4855.9	4956.7	5436.5	6378.3	7727.4	9024.1	10088.7	10240.9	10206.3	9802.0
65°	3729.3	3798.6	4276.3	5291.6	6796.1	8458.1	10118.1	10554.8	10561.1	10134.9
67.5°	2483.1	2682.5	3097.3	3970.8	5548.8	7533.2	9859.8	10606.3	10667.2	10249.3
70°	1211.6	1474.1	1880.4	2580.7	3970.8	6114.7	9184.7	10184.2	10319.7	9915.4
72.5°	502.9	588.0	809.5	1273.6	2279.4	4126.2	7828.2	9039.8	9290.7	8785.7
75°	339.1	367.5	463.0	653.0	1038.4	2034.7	5645.4	6740.5	7144.7	6635.5
77.5°	261.4	279.3	337.0	456.7	617.4	769.6	3021.7	4062.1	4271.1	3954.0
80°	205.8	219.4	252.0	332.8	437.8	411.6	1030.0	1840.5	1961.2	1645.2
82.5°	178.5	183.7	180.6	225.7	290.8	240.4	338.1	679.3	749.6	543.9
85°	129.1	143.8	150.1	139.6	154.3	121.8	138.6	240.4	264.6	236.2
87.5°	52.5	77.7	95.5	90.3	56.7	34.6	43.0	70.3	80.8	88.2
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°
2216.4	0°	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4	2216.4
2217.4	2.5°	2218.5	2225.8	2231.1	2237.4	2241.6	2247.9	2260.5	2267.8	2268.9	2274.1
2234.2	5°	2238.4	2248.9	2260.5	2277.3	2296.2	2311.9	2336.1	2352.9	2359.2	2364.4
2275.2	7.5°	2281.5	2296.2	2317.2	2346.6	2373.9	2394.9	2424.3	2444.2	2464.2	2471.5
2340.3	10°	2345.5	2366.5	2397.0	2436.9	2466.3	2493.6	2524.0	2540.8	2560.8	2569.2
2418.0	12.5°	2425.3	2447.4	2487.3	2542.9	2570.2	2589.1	2599.6	2595.4	2599.6	2606.9
2511.4	15°	2516.7	2540.8	2586.0	2645.8	2664.7	2647.9	2624.8	2603.8	2600.6	2602.7
2624.8	17.5°	2624.8	2642.6	2695.1	2745.5	2731.9	2662.6	2612.2	2578.6	2561.8	2556.6
2769.7	20°	2776.0	2776.0	2819.0	2850.5	2759.2	2641.6	2562.9	2508.3	2473.6	2458.9
2967.1	22.5°	2959.7	2942.9	2970.2	2948.2	2753.9	2582.8	2473.6	2379.1	2326.6	2305.6
3243.2	25°	3192.8	3172.9	3165.5	3029.0	2716.1	2489.4	2311.9	2197.5	2151.3	2139.7
3641.1	27.5°	3544.5	3494.1	3398.6	3073.1	2646.8	2342.4	2122.9	2016.9	1990.6	1991.7
4152.4	30°	4012.8	3912.0	3677.9	3080.5	2533.5	2134.5	1929.8	1854.2	1841.6	1846.8
4581.8	32.5°	4446.4	4350.9	3963.4	3046.9	2359.2	1930.8	1756.5	1706.1	1687.2	1693.5
4909.4	35°	4786.6	4760.3	4228.0	2999.6	2145.0	1739.7	1601.1	1558.1	1521.3	1512.9
5218.1	37.5°	5107.9	5097.4	4426.5	2933.5	1932.9	1604.3	1476.2	1419.5	1365.9	1336.5
5559.3	40°	5460.6	5450.1	4556.6	2831.6	1745.0	1486.7	1363.8	1289.3	1223.2	1169.6
5945.7	42.5°	5857.5	5795.6	4618.6	2685.7	1585.4	1386.9	1272.5	1171.7	1084.6	1035.2
6382.5	45°	6291.1	6151.5	4617.5	2499.9	1451.0	1295.6	1174.9	1032.1	951.2	905.0
6830.8	47.5°	6751.0	6491.6	4560.8	2294.1	1320.8	1194.8	1023.7	914.5	860.9	832.6
7317.9	50°	7225.5	6809.8	4464.3	2057.8	1187.5	1080.4	929.2	854.6	813.7	787.4
7800.9	52.5°	7671.8	7098.5	4347.7	1790.1	1052.0	969.1	887.2	829.4	786.4	757.0
8269.2	55°	8086.5	7347.3	4182.9	1516.1	941.8	894.5	867.2	818.9	769.6	734.9
8744.8	57.5°	8455.0	7509.0	3898.3	1258.9	863.0	843.1	846.2	801.1	744.4	715.0
9213.0	60°	8761.6	7627.7	3477.3	1020.5	799.0	792.7	813.7	767.5	701.3	667.7
9608.9	62.5°	8945.3	7625.6	2960.8	835.7	744.4	746.5	770.6	725.5	658.3	626.8
9815.7	65°	8929.6	7438.7	2393.8	715.0	691.9	694.0	725.5	679.3	622.6	603.7
9711.7	67.5°	8613.5	6983.0	1836.3	636.3	634.2	643.6	680.3	647.8	600.6	598.5
9092.3	70°	7757.9	6037.0	1322.9	573.3	574.3	588.0	636.3	627.9	589.0	593.2
7644.5	72.5°	6220.8	4602.8	888.2	507.1	508.2	530.2	594.3	612.1	577.5	633.1
5423.9	75°	4143.0	2870.5	571.2	436.8	437.8	466.2	557.5	581.7	546.0	631.0
2822.2	77.5°	1990.6	1290.4	413.7	367.5	367.5	393.7	481.9	520.8	465.1	490.3
907.1	80°	687.7	485.1	325.5	296.1	289.8	307.6	406.3	451.5	401.1	369.6
296.1	82.5°	270.9	252.0	261.4	229.9	208.9	220.5	316.0	372.7	295.0	266.7
166.9	85°	155.4	163.8	184.8	152.2	120.7	135.4	232.0	267.7	222.6	196.3
54.6	87.5°	42.0	57.7	85.0	78.7	54.6	57.7	110.2	148.0	128.1	98.7
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

180°
2216.4
2273.1
2363.4
2472.6
2573.4
2609.0
2610.1
2563.9
2455.8
2302.5
2141.8
1994.8
1864.7
1701.9
1519.2
1337.6
1174.9
1038.4
902.9
826.3
778.0
744.4
721.3
696.1
653.0
617.4
602.7
601.6
592.2
641.5
636.3
449.4
346.5
265.6
200.5
101.8
0.0

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