

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: P846908

Luminaire Tested: **GLAN-SB2D-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846908
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-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19671 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

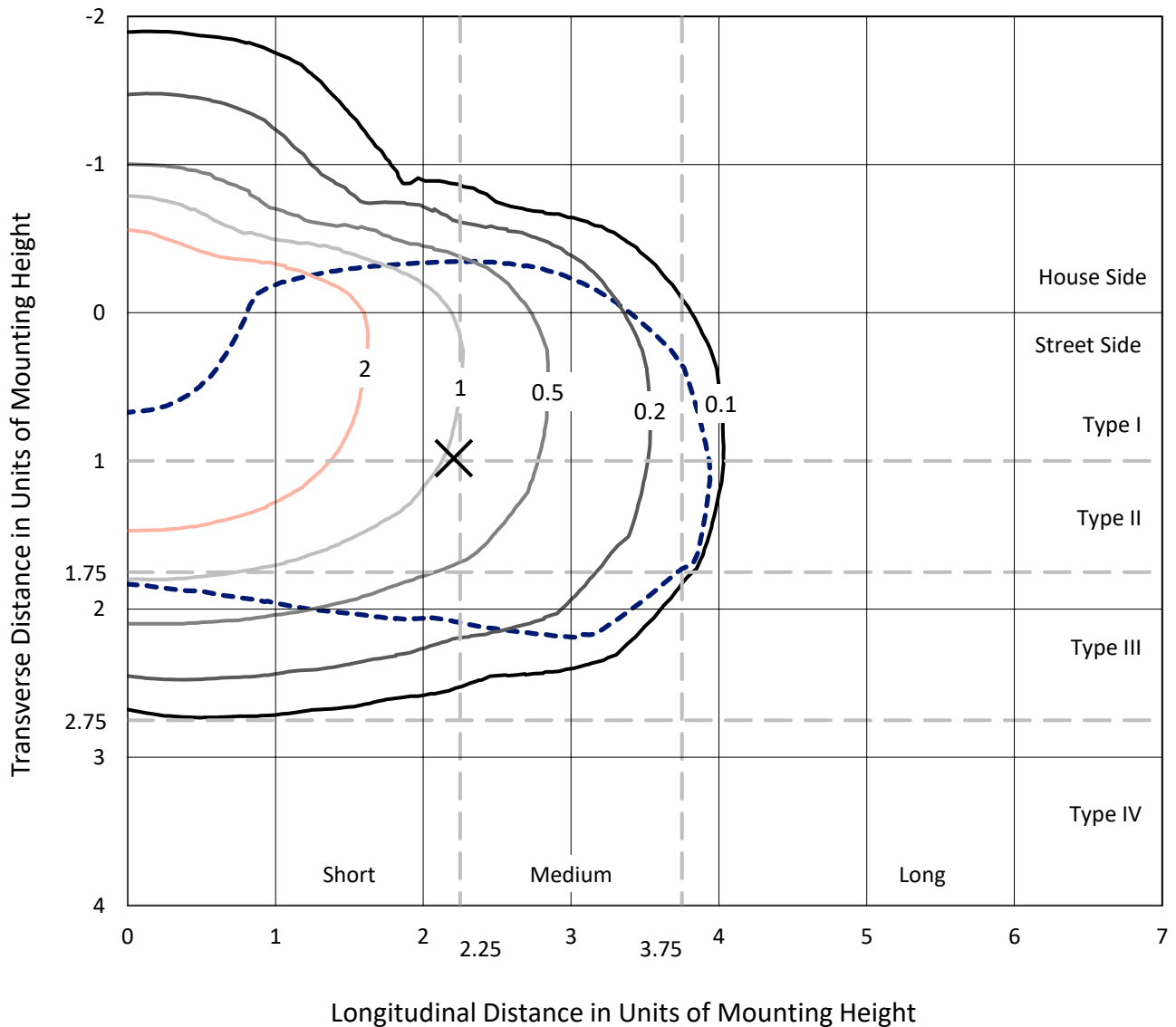
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

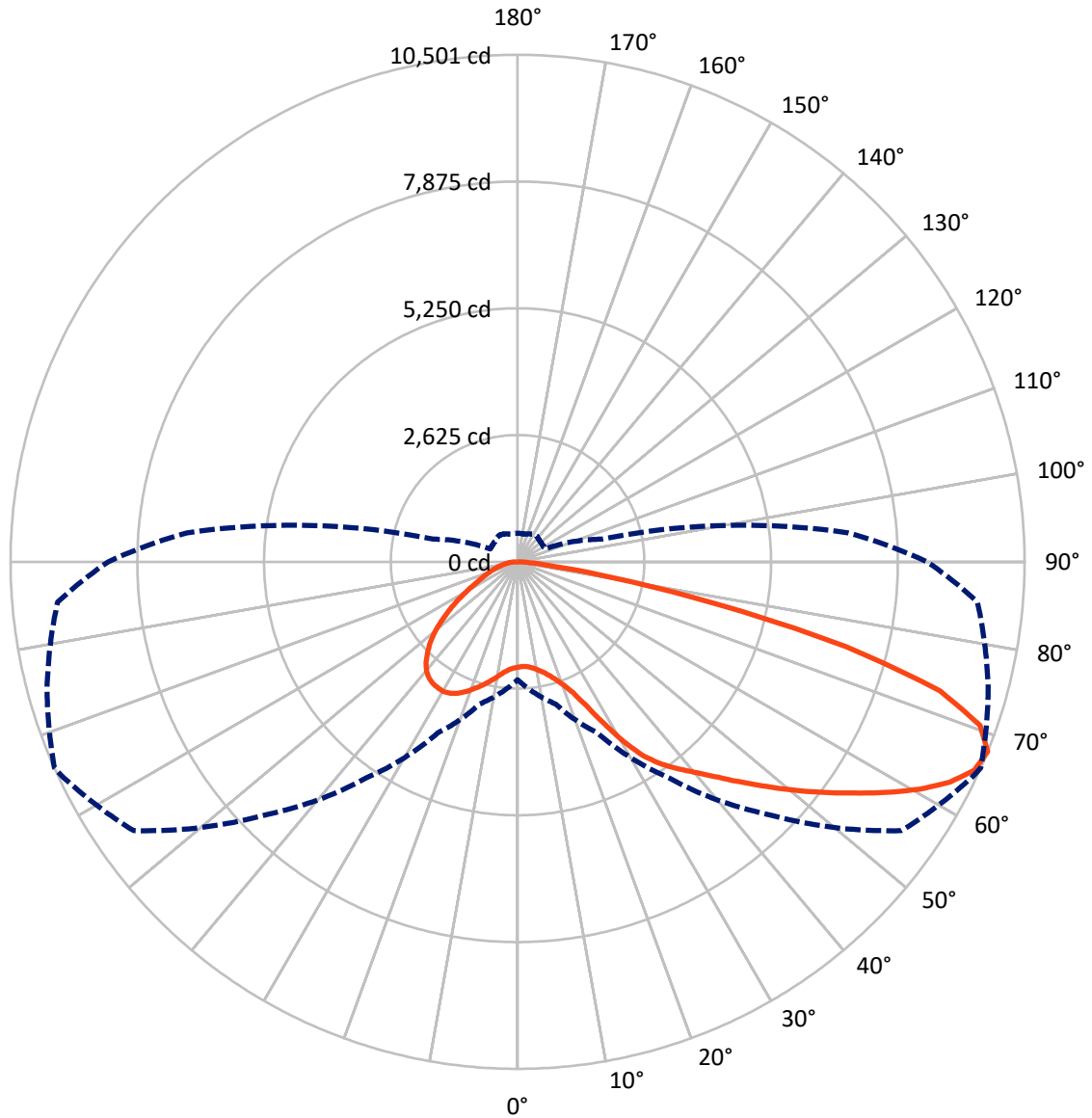
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	4891.1	0.0	4891.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	14779.9	0.0	14779.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	19671.0	0.0	19671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	1.1
10°-20°	714.7	3.6
20°-30°	1377.5	7.0
30°-40°	2415.3	12.3
40°-50°	3590.7	18.3
50°-60°	4551.6	23.1
60°-70°	4453.6	22.6
70°-80°	2124.4	10.8
80°-90°	227.0	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°	19671.0	100.0
0°-180°	19671.0	100.0

Coefficient of Utilization

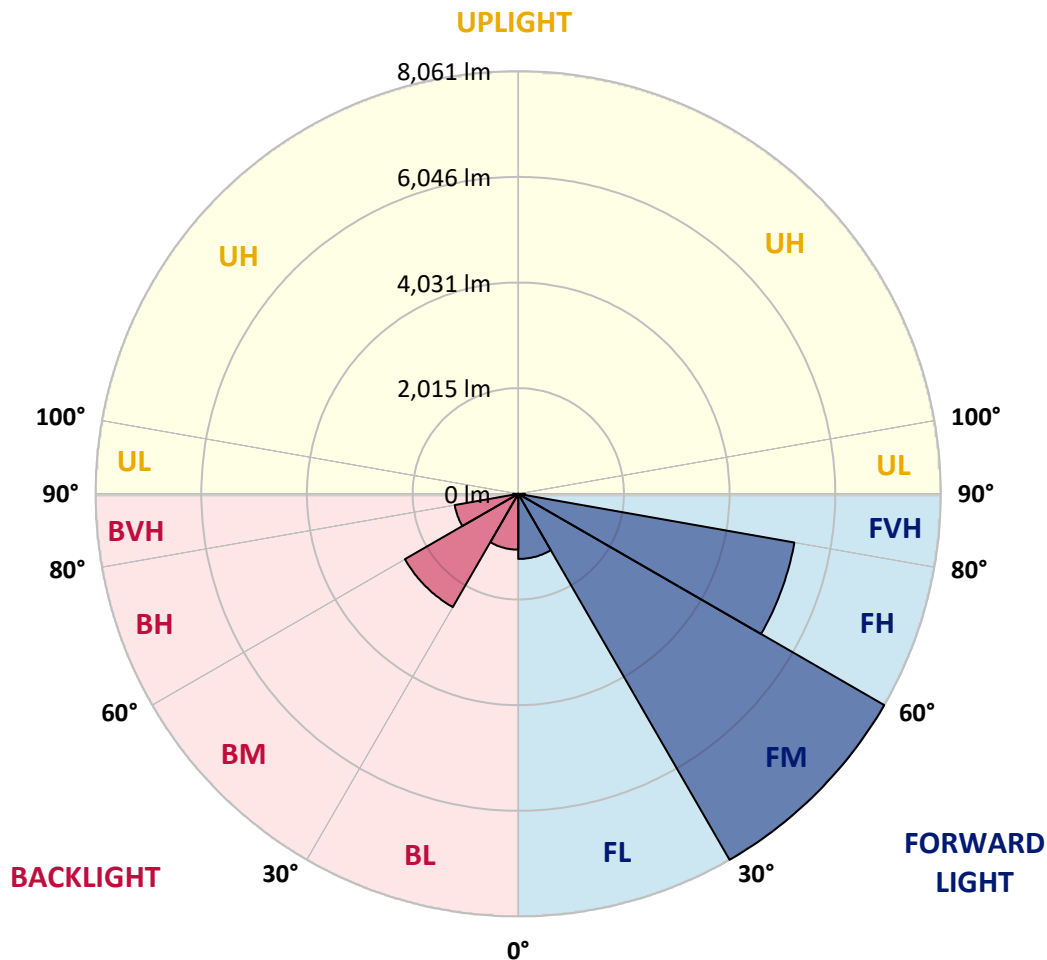


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.0	6.3			
FM (30°-60°)	8061.0	41.0			
FH (60°-80°)	5347.1	27.2			G3/7500
FVH (80°-90°)	128.7	0.7			G2/225
BL (0°-30°)	1065.5	5.4	B3/2500		
BM (30°-60°)	2496.5	12.7	B2/2500		
BH (60°-80°)	1230.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	98.3	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°	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8
2.5°	2159.0	2171.4	2168.3	2163.2	2162.1	2164.2	2167.3	2170.4	2169.4	2174.5
5°	2152.8	2165.2	2164.2	2164.2	2168.3	2176.6	2181.8	2186.9	2181.8	2188.0
7.5°	2157.0	2166.3	2170.4	2174.5	2184.9	2200.4	2212.8	2224.1	2217.9	2225.2
10°	2209.7	2216.9	2221.0	2221.0	2228.3	2245.9	2258.3	2278.9	2273.8	2285.1
12.5°	2305.8	2313.0	2313.0	2308.9	2314.1	2325.4	2329.6	2352.3	2343.0	2361.6
15°	2423.6	2438.1	2426.7	2419.5	2421.6	2432.9	2431.9	2449.5	2440.2	2455.7
17.5°	2553.8	2572.4	2553.8	2552.8	2548.7	2561.1	2562.1	2577.6	2561.1	2572.4
20°	2707.8	2733.7	2718.2	2723.3	2714.0	2719.2	2724.4	2747.1	2721.3	2729.5
22.5°	2924.9	2955.9	2939.3	2959.0	2952.8	2948.7	2947.6	2987.9	2947.6	2950.7
25°	3241.1	3278.3	3249.4	3276.3	3276.3	3289.7	3305.2	3356.9	3289.7	3270.1
27.5°	3708.3	3745.5	3688.7	3705.2	3700.0	3733.1	3716.6	3844.7	3772.4	3740.3
30°	4270.5	4336.7	4229.2	4225.1	4219.9	4272.6	4296.4	4381.1	4307.7	4275.7
32.5°	4878.2	4947.5	4819.3	4782.1	4762.5	4794.5	4774.9	4843.1	4792.5	4742.9
35°	5521.1	5589.3	5467.4	5395.0	5316.5	5249.3	5179.0	5196.6	5149.0	5073.6
37.5°	6128.8	6253.9	6124.7	6047.2	5902.5	5771.2	5574.8	5493.2	5448.8	5379.5
40°	6747.9	6819.2	6721.0	6654.9	6497.8	6292.1	5977.9	5805.3	5745.4	5678.2
42.5°	7203.7	7271.9	7219.2	7173.7	7050.7	6812.0	6405.8	6189.8	6103.0	6027.5
45°	7565.4	7616.1	7583.0	7599.5	7546.8	7315.3	6849.2	6602.2	6512.2	6420.3
47.5°	7711.1	7764.9	7817.6	7915.8	8005.7	7835.2	7325.6	7048.6	6953.6	6859.5
50°	7694.6	7749.4	7902.3	8111.1	8390.2	8333.3	7827.9	7524.1	7436.2	7328.7
52.5°	7562.3	7624.3	7820.7	8168.0	8612.4	8706.4	8339.5	8015.0	7932.3	7804.2
55°	7215.0	7252.3	7546.8	8038.8	8665.1	8966.9	8840.8	8538.0	8455.3	8276.5
57.5°	6571.2	6624.9	7053.8	7690.5	8532.8	9143.6	9281.1	9087.8	9008.2	8750.9
60°	5730.9	5816.7	6307.6	7105.5	8195.9	9142.6	9681.0	9628.3	9562.2	9218.0
62.5°	4780.1	4879.3	5351.6	6278.7	7606.8	8883.2	9931.2	10081.0	10046.9	9649.0
65°	3671.1	3739.3	4209.6	5209.0	6690.0	8326.1	9960.1	10390.0	10396.2	9976.6
67.5°	2444.3	2640.7	3048.9	3908.8	5462.2	7415.6	9705.8	10440.7	10500.6	10089.3
70°	1192.7	1451.1	1851.0	2540.4	3908.8	6019.3	9041.3	10025.2	10158.5	9760.6
72.5°	495.1	578.8	796.8	1253.7	2243.8	4061.8	7706.0	8898.7	9145.7	8648.5
75°	333.8	361.7	455.8	642.9	1022.2	2003.0	5557.3	6635.2	7033.1	6531.9
77.5°	257.3	274.9	331.8	449.6	607.7	757.6	2974.5	3998.7	4204.4	3892.3
80°	202.6	216.0	248.0	327.6	431.0	405.1	1013.9	1811.8	1930.6	1619.5
82.5°	175.7	180.9	177.8	222.2	286.3	236.7	332.8	668.7	737.9	535.4
85°	127.1	141.6	147.8	137.5	151.9	119.9	136.4	236.7	260.4	232.5
87.5°	51.7	76.5	94.1	88.9	55.8	34.1	42.4	69.2	79.6	86.8
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°
2181.8	0°	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8	2181.8
2182.8	2.5°	2183.8	2191.1	2196.2	2202.4	2206.6	2212.8	2225.2	2232.4	2233.5	2238.6
2199.3	5°	2203.5	2213.8	2225.2	2241.7	2260.3	2275.8	2299.6	2316.1	2322.3	2327.5
2239.7	7.5°	2245.9	2260.3	2281.0	2309.9	2336.8	2357.5	2386.4	2406.0	2425.7	2432.9
2303.7	10°	2308.9	2329.6	2359.5	2398.8	2427.8	2454.6	2484.6	2501.1	2520.8	2529.0
2380.2	12.5°	2387.4	2409.1	2448.4	2503.2	2530.1	2548.7	2559.0	2554.9	2559.0	2566.2
2472.2	15°	2477.4	2501.1	2545.6	2604.5	2623.1	2606.6	2583.8	2563.1	2560.0	2562.1
2583.8	17.5°	2583.8	2601.4	2653.1	2702.7	2689.2	2621.0	2571.4	2538.3	2521.8	2516.6
2726.4	20°	2732.6	2732.6	2775.0	2806.0	2716.1	2600.4	2522.8	2469.1	2435.0	2420.5
2920.7	22.5°	2913.5	2897.0	2923.8	2902.1	2710.9	2542.5	2435.0	2342.0	2290.3	2269.6
3192.6	25°	3143.0	3123.3	3116.1	2981.7	2673.7	2450.5	2275.8	2163.2	2117.7	2106.3
3584.3	27.5°	3489.2	3439.6	3345.5	3025.1	2605.5	2305.8	2089.8	1985.4	1959.6	1960.6
4087.6	30°	3950.1	3850.9	3620.4	3032.4	2493.9	2101.2	1899.6	1825.2	1812.8	1818.0
4510.3	32.5°	4377.0	4282.9	3901.6	2999.3	2322.3	1900.7	1729.1	1679.5	1660.9	1667.1
4832.8	35°	4711.8	4686.0	4162.0	2952.8	2111.5	1712.6	1576.1	1533.8	1497.6	1489.3
5136.6	37.5°	5028.1	5017.8	4357.3	2887.7	1902.7	1579.2	1453.1	1397.3	1344.6	1315.7
5472.5	40°	5375.4	5365.0	4485.5	2787.4	1717.7	1463.5	1342.6	1269.2	1204.1	1151.3
5852.9	42.5°	5766.0	5705.1	4546.5	2643.8	1560.6	1365.3	1252.6	1153.4	1067.6	1019.1
6282.8	45°	6192.9	6055.4	4545.4	2460.8	1428.3	1275.4	1156.5	1016.0	936.4	890.9
6724.1	47.5°	6645.6	6390.3	4489.6	2258.3	1300.2	1176.2	1007.7	900.2	847.5	819.6
7203.7	50°	7112.7	6703.5	4394.6	2025.7	1168.9	1063.5	914.7	841.3	801.0	775.1
7679.1	52.5°	7552.0	6987.7	4279.8	1762.2	1035.6	953.9	873.3	816.5	774.1	745.2
8140.1	55°	7960.2	7232.6	4117.6	1492.4	927.1	880.6	853.7	806.2	757.6	723.5
8608.2	57.5°	8323.0	7391.8	3837.5	1239.2	849.6	829.9	833.0	788.6	732.8	703.8
9069.2	60°	8624.8	7508.6	3423.0	1004.6	786.5	780.3	801.0	755.5	690.4	657.3
9458.8	62.5°	8805.6	7506.5	2914.5	822.7	732.8	734.8	758.6	714.2	648.0	617.0
9662.4	65°	8790.1	7322.5	2356.4	703.8	681.1	683.2	714.2	668.7	612.9	594.3
9560.1	67.5°	8479.0	6874.0	1807.6	626.3	624.2	633.6	669.7	637.7	591.2	589.1
8950.3	70°	7636.7	5942.8	1302.2	564.3	565.3	578.8	626.3	618.0	579.8	583.9
7525.1	72.5°	6123.6	4531.0	874.4	499.2	500.2	521.9	585.0	602.5	568.4	623.2
5339.2	75°	4078.3	2825.7	562.2	429.9	431.0	458.9	548.8	572.6	537.4	621.1
2778.1	77.5°	1959.6	1270.2	407.2	361.7	361.7	387.6	474.4	512.6	457.9	482.7
893.0	80°	677.0	477.5	320.4	291.5	285.3	302.8	400.0	444.4	394.8	363.8
291.5	82.5°	266.6	248.0	257.3	226.3	205.7	217.0	311.1	366.9	290.4	262.5
164.3	85°	153.0	161.2	181.9	149.9	118.9	133.3	228.4	263.5	219.1	193.3
53.7	87.5°	41.3	56.8	83.7	77.5	53.7	56.8	108.5	145.7	126.1	97.2
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°
2181.8
2237.6
2326.5
2434.0
2533.2
2568.3
2569.3
2523.9
2417.4
2266.5
2108.4
1963.7
1835.5
1675.3
1495.5
1316.7
1156.5
1022.2
888.8
813.4
765.8
732.8
710.0
685.2
642.9
607.7
593.2
592.2
582.9
631.5
626.3
442.3
341.1
261.5
197.4
100.3
0.0

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