

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: P847246

Luminaire Tested: **GLAN-SB3B-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16171 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

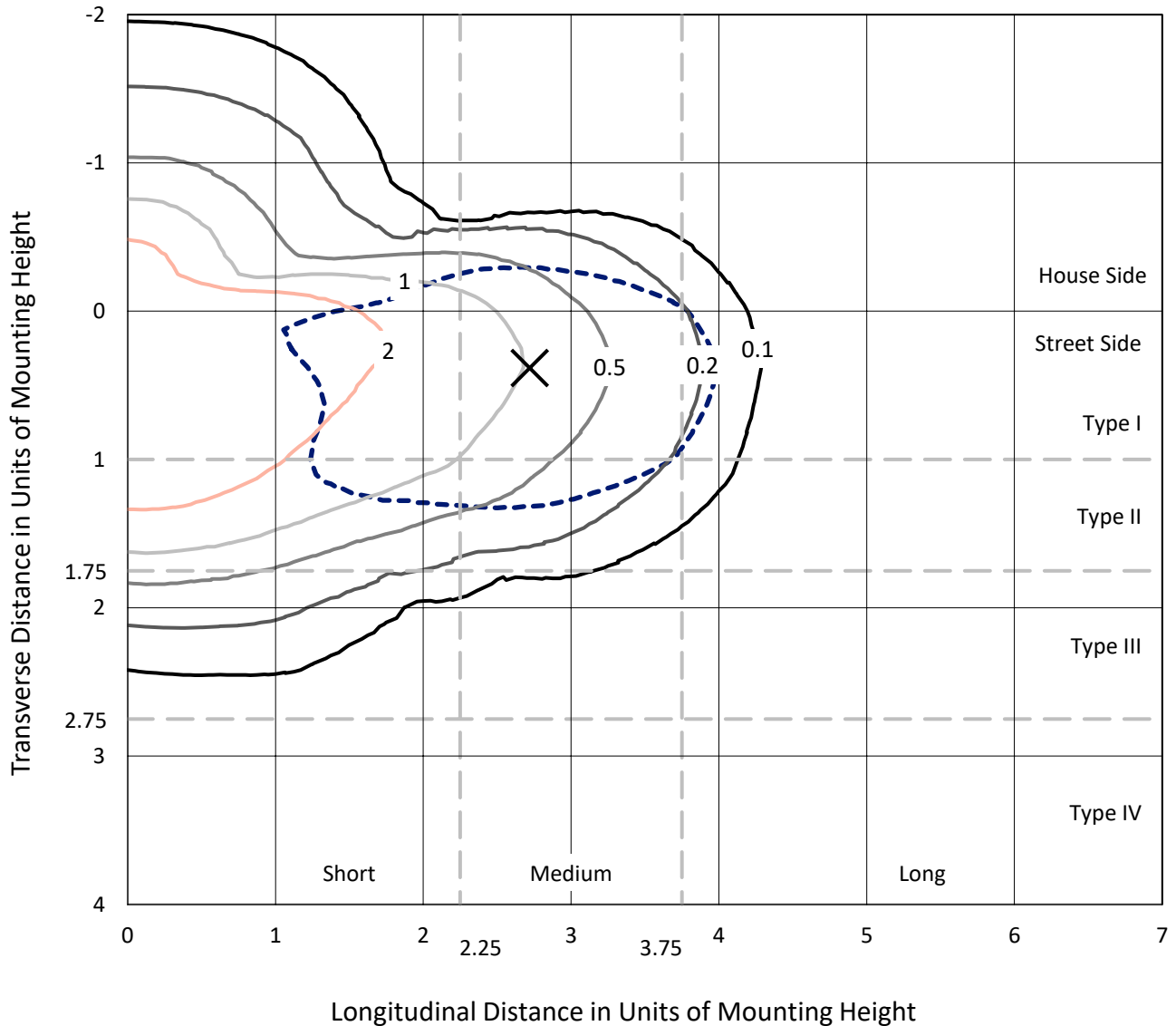
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

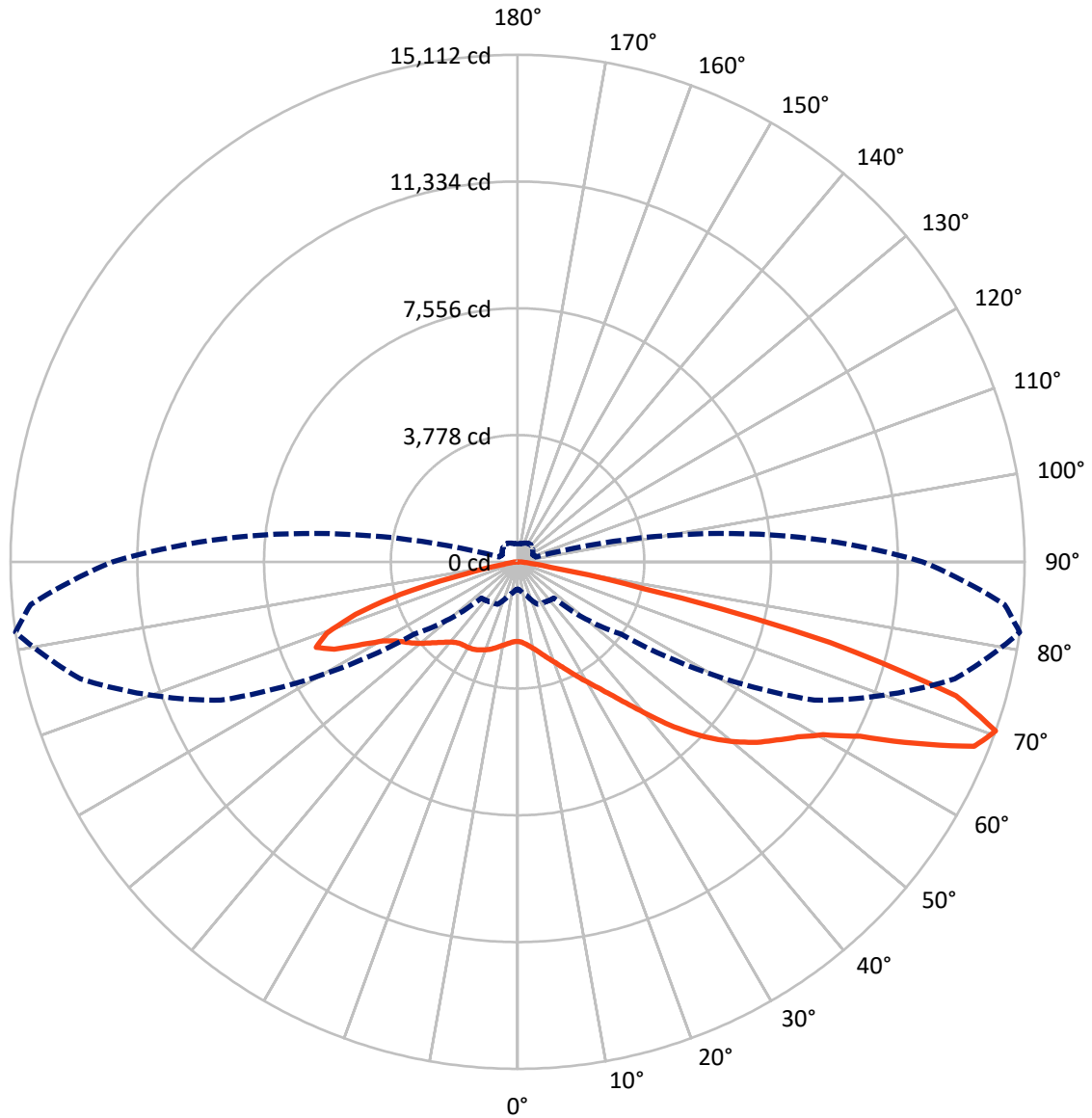
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3986.5	0.0	3986.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	12184.5	0.0	12184.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	16171.0	0.0	16171.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.4
10°-20°	643.1	4.0
20°-30°	1075.9	6.7
30°-40°	1680.8	10.4
40°-50°	2676.9	16.6
50°-60°	3725.3	23.0
60°-70°	3896.8	24.1
70°-80°	2036.7	12.6
80°-90°	211.5	1.3
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°	16171.0	100.0
0°-180°	16171.0	100.0

Coefficient of Utilization



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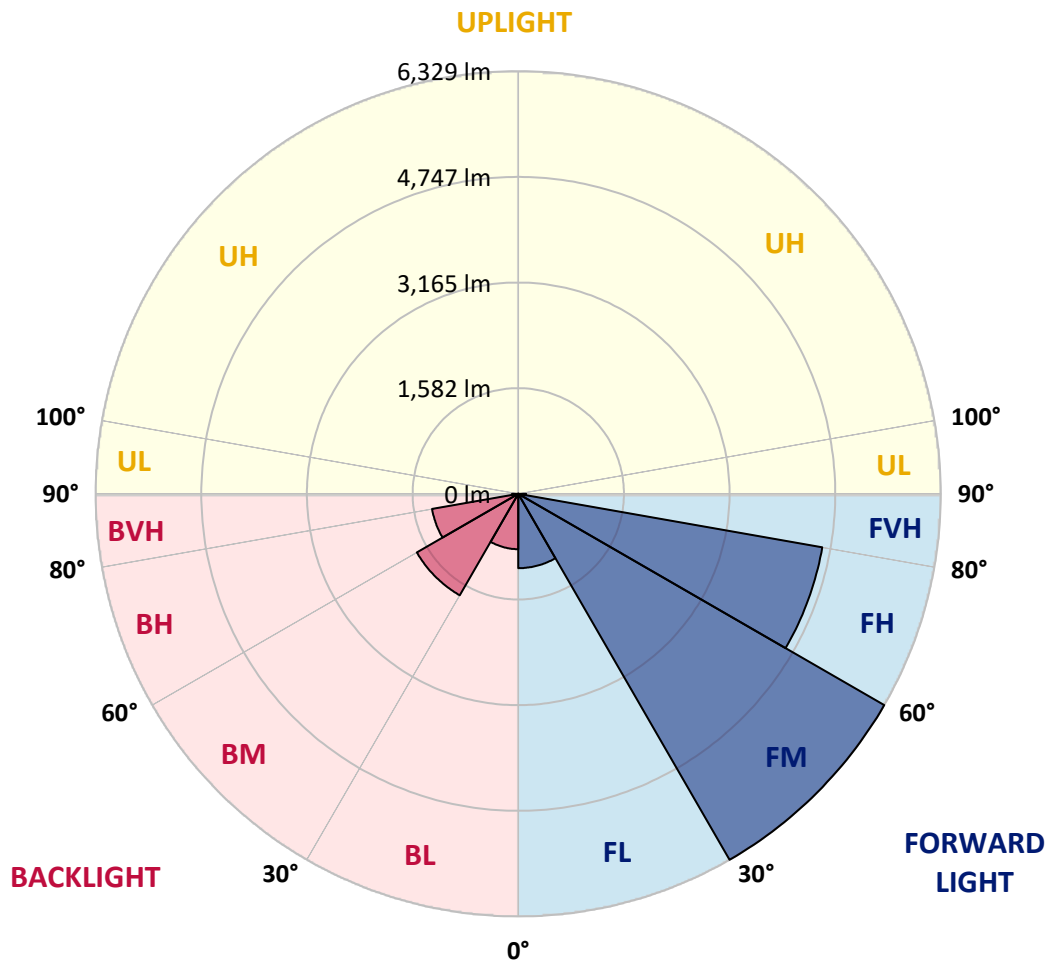
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1113.6	6.9			
FM (30°-60°)	6329.2	39.1			
FH (60°-80°)	4623.3	28.6			G2/5000
FVH (80°-90°)	118.4	0.7			G2/225
BL (0°-30°)	829.3	5.1	B2/1000		
BM (30°-60°)	1753.9	10.8	B2/2500		
BH (60°-80°)	1310.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	93.1	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9
2.5°	2427.5	2441.2	2436.9	2432.7	2432.7	2426.6	2425.8	2417.2	2410.3	2399.2
5°	2458.4	2473.0	2471.3	2474.7	2485.9	2488.4	2491.0	2485.9	2472.1	2458.4
7.5°	2430.9	2447.2	2452.4	2473.0	2507.3	2538.2	2561.4	2570.8	2557.9	2538.2
10°	2338.3	2356.3	2374.3	2423.2	2484.1	2557.1	2618.9	2655.8	2653.2	2634.3
12.5°	2150.3	2169.2	2207.8	2303.1	2414.6	2543.3	2658.3	2735.6	2762.2	2748.4
15°	2000.2	2016.5	2045.7	2143.5	2288.5	2484.1	2672.9	2823.1	2890.9	2883.1
17.5°	1995.9	2002.8	2020.8	2067.1	2178.7	2391.5	2657.5	2908.9	3038.5	3037.6
20°	2071.4	2074.0	2084.3	2093.7	2157.2	2321.1	2618.0	2980.1	3204.1	3204.1
22.5°	2176.1	2174.4	2184.7	2176.1	2207.0	2315.1	2593.1	3042.7	3388.6	3402.3
25°	2333.1	2324.5	2322.0	2302.2	2308.2	2370.9	2620.6	3114.0	3607.4	3635.7
27.5°	2542.5	2528.8	2519.3	2473.8	2458.4	2485.9	2704.7	3199.8	3851.1	3900.0
30°	2815.4	2790.5	2776.7	2697.8	2642.0	2646.3	2831.7	3313.9	4105.9	4184.8
32.5°	3187.8	3149.1	3112.3	2982.7	2880.6	2847.1	2995.6	3471.8	4382.2	4508.3
35°	3604.8	3573.9	3534.4	3334.5	3177.5	3100.2	3216.9	3692.3	4705.7	4905.6
37.5°	4006.4	3979.8	3998.6	3729.2	3526.7	3414.3	3507.0	3988.3	5104.7	5399.9
40°	4421.7	4401.1	4403.7	4146.2	3910.3	3784.1	3858.8	4359.9	5562.1	5987.7
42.5°	4873.0	4857.6	4806.1	4577.8	4312.7	4195.1	4263.8	4788.9	6052.9	6657.0
45°	5378.4	5369.0	5320.9	5059.2	4755.5	4623.3	4716.0	5262.6	6546.3	7286.8
47.5°	5815.2	5822.9	5816.9	5596.4	5281.5	5087.5	5198.2	5756.8	7005.4	7878.9
50°	6025.4	6065.8	6125.0	6056.3	5860.7	5663.3	5684.8	6233.9	7443.0	8434.1
52.5°	5915.6	5992.0	6153.3	6263.1	6338.6	6297.4	6239.9	6707.6	7854.9	8935.2
55°	5506.3	5613.5	5881.3	6146.4	6531.7	6831.2	6906.7	7232.7	8256.4	9376.2
57.5°	4760.6	4934.8	5175.1	5711.4	6360.1	7089.4	7684.1	7961.3	8682.0	9847.3
60°	3482.1	3715.5	4014.1	4812.1	5759.4	6951.3	8345.7	9080.2	9287.0	10457.4
62.5°	2228.4	2372.6	2647.2	3398.8	4487.8	6243.4	8548.2	10478.9	10312.4	11457.9
65°	1525.7	1618.3	1869.8	2291.9	2901.2	4647.4	8005.9	11527.4	11941.0	13043.7
67.5°	1108.6	1179.0	1393.5	1763.4	1890.3	2750.1	6212.5	11479.4	13524.2	14677.4
70°	808.3	858.1	1038.3	1393.5	1454.4	1530.0	3763.5	9758.1	13489.9	15111.6
72.5°	598.9	633.3	754.3	1081.2	1177.3	1033.1	1862.9	7092.0	11591.8	13668.3
75°	433.3	459.1	548.3	827.2	942.2	786.9	929.3	4144.5	8085.7	9614.8
77.5°	331.2	351.0	409.3	605.8	754.3	590.4	576.6	1906.7	3833.9	3852.8
80°	266.0	278.9	310.6	426.5	578.3	441.9	375.8	769.7	1211.6	1025.4
82.5°	195.6	217.1	262.6	299.5	413.6	304.6	229.1	388.7	460.8	396.4
85°	111.6	126.1	158.7	214.5	264.3	186.2	131.3	172.5	214.5	175.9
87.5°	39.5	51.5	55.8	84.1	115.0	77.2	50.6	49.8	70.4	52.3
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°
2370.9	0°	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9	2370.9
2396.6	2.5°	2388.0	2383.7	2366.6	2343.4	2319.4	2296.2	2288.5	2272.2	2261.0	2255.0
2452.4	5°	2436.1	2422.4	2382.0	2330.5	2276.5	2218.1	2176.9	2139.2	2111.7	2086.0
2528.8	7.5°	2504.7	2480.7	2411.2	2321.1	2225.0	2128.0	2056.0	2001.0	1964.1	1940.1
2618.0	10°	2584.5	2547.6	2441.2	2306.5	2158.1	2019.1	1934.1	1886.9	1863.7	1850.9
2720.1	12.5°	2676.3	2624.0	2472.1	2273.0	2056.0	1897.2	1838.9	1825.1	1826.0	1826.8
2848.8	15°	2789.6	2716.7	2497.0	2200.1	1923.0	1803.7	1793.4	1815.7	1838.9	1850.0
2994.7	17.5°	2917.5	2814.5	2501.3	2080.0	1792.5	1743.6	1776.2	1824.3	1859.5	1874.9
3157.7	20°	3054.8	2914.0	2470.4	1910.1	1685.3	1694.7	1753.1	1814.8	1853.4	1873.2
3343.9	22.5°	3211.8	3020.4	2396.6	1731.6	1597.7	1641.5	1710.2	1770.2	1810.5	1830.3
3562.7	25°	3391.1	3139.7	2280.8	1581.4	1522.2	1581.4	1650.1	1699.9	1732.5	1750.5
3807.3	27.5°	3590.2	3264.1	2126.3	1462.2	1456.2	1519.7	1576.3	1614.9	1632.1	1645.8
4067.3	30°	3790.1	3377.4	1939.3	1372.1	1398.7	1458.7	1499.1	1516.2	1521.4	1523.9
4357.3	32.5°	4006.4	3475.2	1742.8	1297.4	1343.8	1399.5	1423.6	1431.3	1407.2	1390.9
4709.1	35°	4268.1	3579.9	1550.5	1238.2	1289.7	1337.7	1345.5	1338.6	1310.3	1276.8
5150.2	37.5°	4591.6	3710.3	1397.0	1196.2	1239.1	1270.8	1261.4	1259.7	1262.2	1222.8
5680.5	40°	4988.0	3880.2	1284.5	1163.6	1197.9	1204.7	1178.1	1192.7	1205.6	1145.5
6262.3	42.5°	5428.2	4085.3	1213.3	1141.2	1163.6	1147.3	1106.1	1122.4	1120.7	1041.7
6846.6	45°	5877.0	4308.4	1188.4	1124.9	1131.8	1099.2	1053.7	1058.0	1022.0	950.8
7406.9	47.5°	6323.2	4547.8	1203.9	1111.2	1092.3	1055.4	1020.3	1001.4	948.2	895.0
7944.1	50°	6760.8	4799.2	1260.5	1083.8	1038.3	1016.8	991.1	957.6	901.0	855.5
8452.1	52.5°	7166.7	5052.4	1324.0	1038.3	970.5	983.4	967.1	928.4	872.7	826.3
8932.6	55°	7551.1	5305.5	1348.9	975.6	907.0	954.2	944.7	873.5	806.6	768.8
9435.4	57.5°	7969.8	5610.1	1321.4	895.8	855.5	920.7	884.7	805.7	767.1	738.8
10090.1	60°	8549.9	6088.1	1262.2	797.2	806.6	870.9	809.2	776.6	734.5	702.8
11071.8	62.5°	9513.5	6979.6	1167.0	699.3	749.1	797.2	773.1	740.5	697.6	666.7
12750.2	65°	10937.9	8218.7	987.6	623.0	684.7	725.1	734.5	701.9	657.3	624.7
14220.9	67.5°	12139.2	8996.1	747.4	559.5	618.7	666.7	693.3	661.6	614.4	582.6
14565.0	70°	12073.2	8431.5	570.6	496.8	560.3	609.2	643.6	618.7	568.0	538.0
13229.9	72.5°	10723.4	7053.4	461.6	433.3	501.1	549.2	590.4	571.5	520.0	490.8
9692.0	75°	7878.0	5006.9	369.0	369.0	427.3	486.5	532.0	520.0	472.8	452.2
4069.0	77.5°	3320.8	2100.6	289.2	306.3	355.2	417.9	474.5	478.8	437.6	463.4
1076.0	80°	883.0	579.2	220.5	241.1	278.9	344.9	412.7	411.0	366.4	342.4
399.9	82.5°	336.4	228.2	157.0	169.9	201.6	264.3	326.9	337.2	292.6	253.1
157.0	85°	129.6	97.8	97.0	102.1	117.6	175.0	247.1	255.7	220.5	187.1
43.8	87.5°	33.5	29.2	36.0	34.3	54.1	93.5	141.6	146.7	134.7	78.1
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°
2370.9
2261.9
2096.3
1945.3
1854.3
1828.6
1849.2
1878.3
1878.3
1835.4
1755.6
1650.9
1530.0
1396.1
1278.5
1225.3
1147.3
1040.8
953.3
895.0
852.1
827.2
765.4
736.2
701.1
666.7
626.4
583.5
540.6
490.8
446.2
420.5
318.3
253.1
193.1
111.6
0.0

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