

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: P847756

Luminaire Tested: **GLAN-SB4A-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847756
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-SB4A-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17207 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

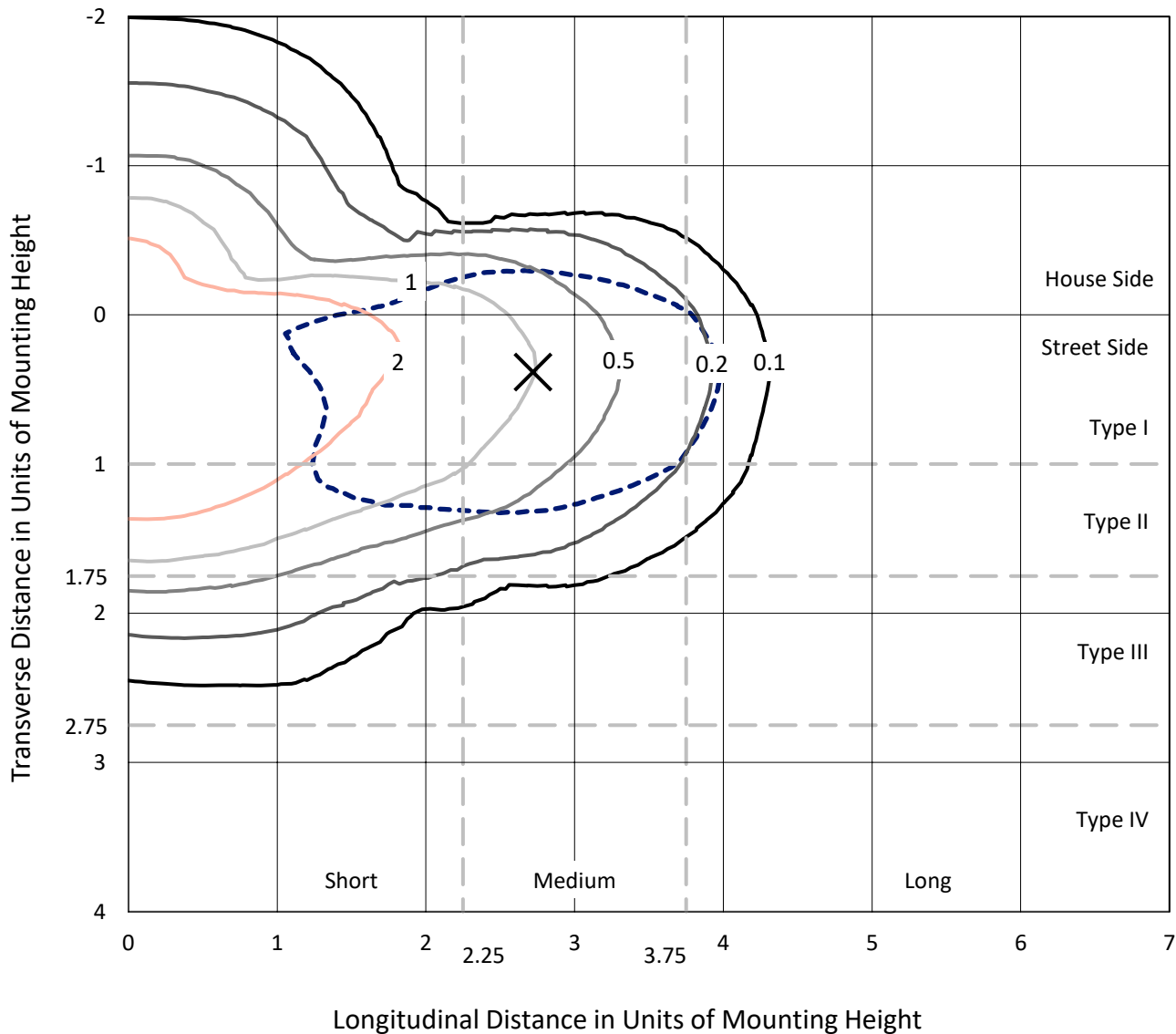
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

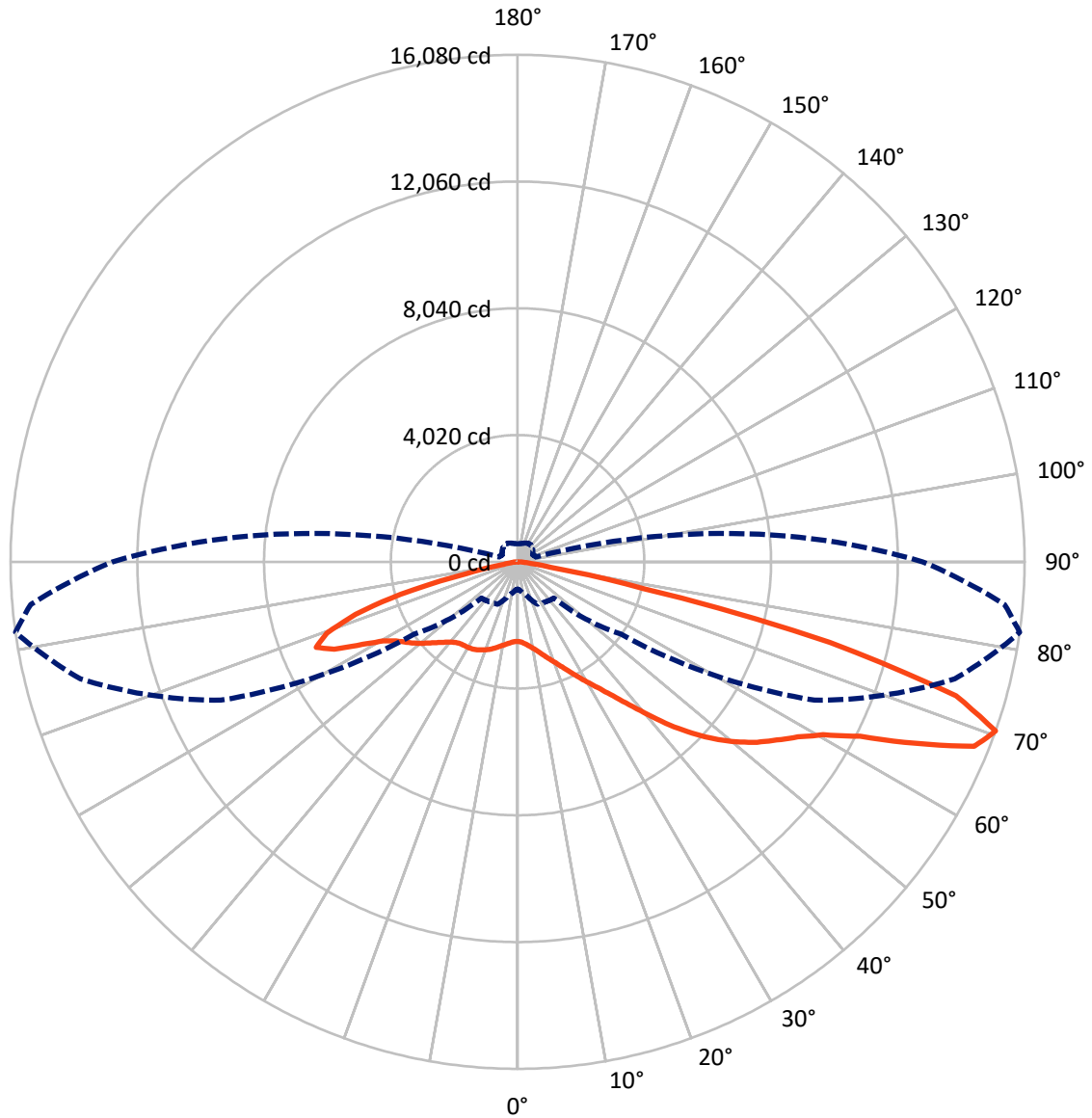
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type 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	4242.0	0.0	4242.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	12965.1	0.0	12965.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	17207.0	0.0	17207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.2	1.4
10°-20°	684.3	4.0
20°-30°	1144.8	6.7
30°-40°	1788.5	10.4
40°-50°	2848.4	16.6
50°-60°	3964.0	23.0
60°-70°	4146.5	24.1
70°-80°	2167.2	12.6
80°-90°	225.0	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°	17207.0	100.0
0°-180°	17207.0	100.0

Coefficient of Utilization

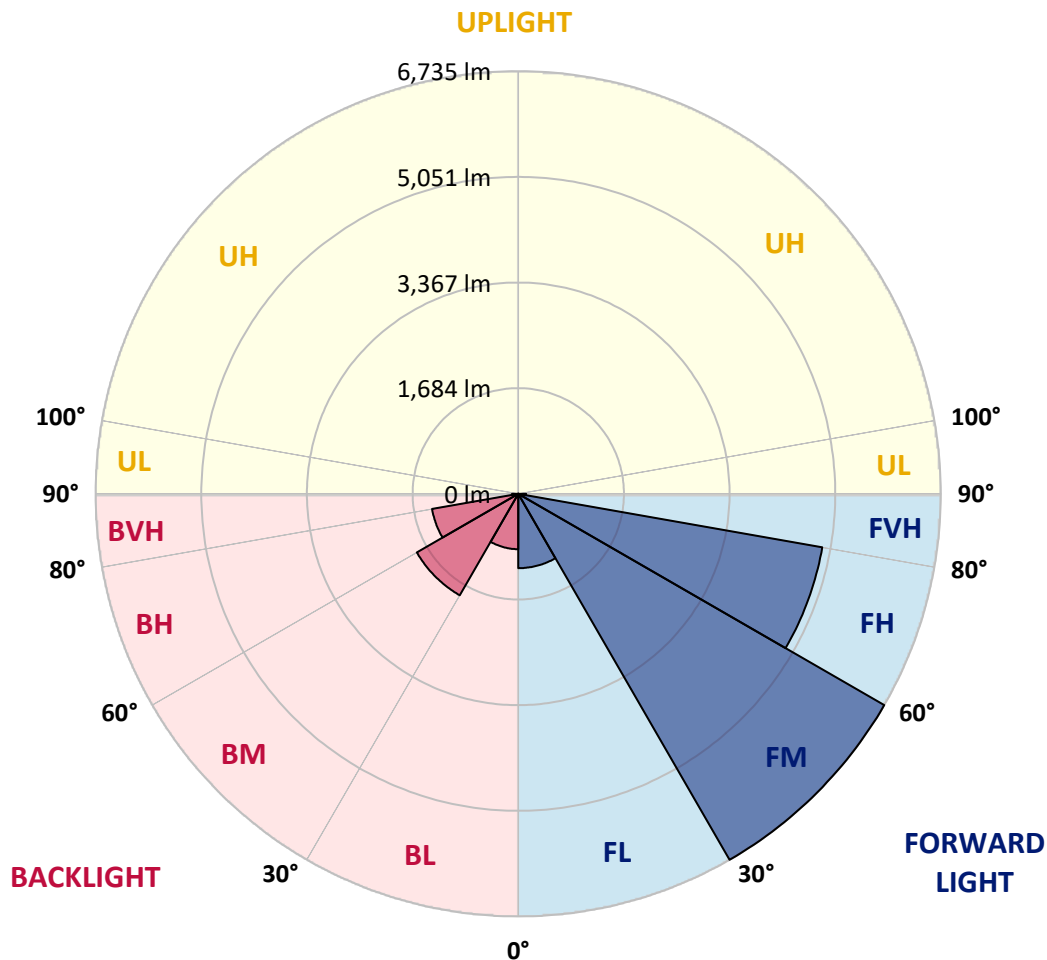


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1184.9	6.9			
FM (30°-60°)	6734.6	39.1			
FH (60°-80°)	4919.5	28.6			G2/5000
FVH (80°-90°)	126.0	0.7			G2/225
BL (0°-30°)	882.5	5.1	B2/1000		
BM (30°-60°)	1866.3	10.8	B2/2500		
BH (60°-80°)	1394.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	99.1	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°	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8
2.5°	2583.0	2597.6	2593.1	2588.5	2588.5	2582.1	2581.2	2572.1	2564.8	2552.9
5°	2615.9	2631.4	2629.6	2633.2	2645.1	2647.8	2650.6	2645.1	2630.5	2615.9
7.5°	2586.7	2604.0	2609.5	2631.4	2667.9	2700.8	2725.5	2735.5	2721.8	2700.8
10°	2488.1	2507.2	2526.4	2578.5	2643.3	2720.9	2786.6	2825.9	2823.2	2803.1
12.5°	2288.1	2308.2	2349.3	2450.6	2569.3	2706.3	2828.6	2910.8	2939.1	2924.5
15°	2128.3	2145.7	2176.7	2280.8	2435.1	2643.3	2844.2	3003.9	3076.1	3067.9
17.5°	2123.8	2131.1	2150.2	2199.5	2318.2	2544.7	2827.7	3095.2	3233.1	3232.2
20°	2204.1	2206.8	2217.8	2227.8	2295.4	2469.8	2785.7	3171.0	3409.3	3409.3
22.5°	2315.5	2313.7	2324.6	2315.5	2348.4	2463.4	2759.2	3237.7	3605.6	3620.2
25°	2482.6	2473.5	2470.7	2449.7	2456.1	2522.8	2788.5	3313.5	3838.5	3868.6
27.5°	2705.4	2690.8	2680.7	2632.3	2615.9	2645.1	2877.9	3404.8	4097.8	4149.8
30°	2995.7	2969.2	2954.6	2870.6	2811.3	2815.9	3013.1	3526.2	4369.0	4453.0
32.5°	3392.0	3350.9	3311.6	3173.8	3065.1	3029.5	3187.5	3694.2	4663.0	4797.2
35°	3835.7	3802.9	3760.9	3548.1	3381.0	3298.9	3423.0	3928.9	5007.2	5219.9
37.5°	4263.0	4234.7	4254.8	3968.1	3752.6	3633.0	3731.6	4243.9	5431.7	5745.8
40°	4705.0	4683.0	4685.8	4411.9	4160.8	4026.6	4106.0	4639.2	5918.4	6371.3
42.5°	5185.2	5168.8	5114.0	4871.1	4589.0	4463.9	4537.0	5095.7	6440.7	7083.5
45°	5723.0	5713.0	5661.8	5383.4	5060.1	4919.5	5018.1	5599.7	6965.7	7753.6
47.5°	6187.8	6196.0	6189.6	5954.9	5619.8	5413.5	5531.3	6125.7	7454.2	8383.6
50°	6411.4	6454.4	6517.4	6444.3	6236.1	6026.1	6049.0	6633.3	7919.8	8974.4
52.5°	6294.6	6375.8	6547.5	6664.4	6744.7	6700.9	6639.7	7137.3	8358.1	9507.6
55°	5859.1	5973.2	6258.1	6540.2	6950.1	7268.8	7349.2	7696.1	8785.4	9976.9
57.5°	5065.6	5251.0	5506.6	6077.3	6767.5	7543.6	8176.4	8471.3	9238.3	10478.2
60°	3705.2	3953.5	4271.3	5120.4	6128.4	7396.6	8880.3	9661.9	9882.0	11127.4
62.5°	2371.2	2524.6	2816.8	3616.6	4775.3	6643.4	9095.8	11150.2	10973.1	12192.0
65°	1623.4	1722.0	1989.5	2438.8	3087.0	4945.1	8518.8	12265.9	12706.0	13879.3
67.5°	1179.7	1254.5	1482.8	1876.3	2011.5	2926.3	6610.5	12214.8	14390.6	15617.7
70°	860.1	913.1	1104.8	1482.8	1547.6	1628.0	4004.6	10383.2	14354.1	16079.8
72.5°	637.3	673.8	802.6	1150.4	1252.7	1099.3	1982.2	7546.4	12334.4	14544.0
75°	461.1	488.5	583.4	880.2	1002.5	837.3	988.8	4410.0	8603.7	10230.7
77.5°	352.4	373.4	435.5	644.6	802.6	628.2	613.6	2028.8	4079.5	4099.6
80°	283.0	296.7	330.5	453.8	615.4	470.2	399.9	819.0	1289.2	1091.1
82.5°	208.2	231.0	279.4	318.7	440.1	324.1	243.8	413.6	490.3	421.8
85°	118.7	134.2	168.9	228.3	281.2	198.1	139.7	183.5	228.3	187.2
87.5°	42.0	54.8	59.3	89.5	122.3	82.2	53.9	53.0	74.9	55.7
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°
2522.8	0°	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8	2522.8
2550.2	2.5°	2541.0	2536.5	2518.2	2493.5	2468.0	2443.3	2435.1	2417.8	2405.9	2399.5
2609.5	5°	2592.2	2577.5	2534.6	2479.8	2422.3	2360.2	2316.4	2276.2	2247.0	2219.6
2690.8	7.5°	2665.2	2639.6	2565.7	2469.8	2367.5	2264.4	2187.7	2129.2	2090.0	2064.4
2785.7	10°	2750.1	2710.8	2597.6	2454.3	2296.3	2148.4	2058.0	2007.8	1983.1	1969.5
2894.4	12.5°	2847.8	2792.1	2630.5	2418.7	2187.7	2018.8	1956.7	1942.1	1943.0	1943.9
3031.3	15°	2968.3	2890.7	2657.0	2341.1	2046.1	1919.2	1908.3	1932.0	1956.7	1968.5
3186.5	17.5°	3104.4	2994.8	2661.5	2213.2	1907.4	1855.3	1890.0	1941.1	1978.6	1995.0
3360.0	20°	3250.5	3100.7	2628.7	2032.5	1793.2	1803.3	1865.4	1931.1	1972.2	1993.2
3558.2	22.5°	3417.6	3213.9	2550.2	1842.5	1700.1	1746.7	1819.7	1883.6	1926.5	1947.5
3791.0	25°	3608.4	3340.9	2426.9	1682.8	1619.8	1682.8	1755.8	1808.8	1843.5	1862.6
4051.2	27.5°	3820.2	3473.2	2262.5	1555.8	1549.4	1617.0	1677.3	1718.4	1736.6	1751.2
4327.9	30°	4032.9	3593.8	2063.5	1460.0	1488.3	1552.2	1595.1	1613.4	1618.8	1621.6
4636.5	32.5°	4263.0	3697.9	1854.4	1380.5	1429.8	1489.2	1514.8	1523.0	1497.4	1480.1
5010.8	35°	4541.5	3809.3	1649.9	1317.5	1372.3	1423.4	1431.7	1424.4	1394.2	1358.6
5480.1	37.5°	4885.7	3948.0	1486.4	1272.8	1318.4	1352.2	1342.2	1340.4	1343.1	1301.1
6044.4	40°	5307.6	4128.8	1366.8	1238.1	1274.6	1281.9	1253.6	1269.1	1282.8	1218.9
6663.5	42.5°	5776.0	4347.0	1291.1	1214.4	1238.1	1220.7	1176.9	1194.3	1192.4	1108.4
7285.2	45°	6253.5	4584.4	1264.6	1197.0	1204.3	1169.6	1121.2	1125.8	1087.4	1011.7
7881.5	47.5°	6728.3	4839.2	1281.0	1182.4	1162.3	1123.1	1085.6	1065.5	1008.9	952.3
8453.0	50°	7193.9	5106.7	1341.3	1153.2	1104.8	1082.0	1054.6	1019.0	958.7	910.3
8993.6	52.5°	7625.8	5376.0	1408.8	1104.8	1032.7	1046.4	1029.0	987.9	928.6	879.3
9504.9	55°	8034.9	5645.4	1435.3	1038.1	965.1	1015.3	1005.3	929.5	858.3	818.1
10039.9	57.5°	8480.4	5969.5	1406.1	953.2	910.3	979.7	941.4	857.4	816.3	786.1
10736.6	60°	9097.6	6478.1	1343.1	848.2	858.3	926.7	861.0	826.3	781.6	747.8
11781.1	62.5°	10123.0	7426.8	1241.8	744.1	797.1	848.2	822.7	788.0	742.3	709.4
13567.0	65°	11638.7	8745.2	1050.9	662.9	728.6	771.5	781.6	746.9	699.4	664.7
15132.0	67.5°	12916.9	9572.4	795.3	595.3	658.3	709.4	737.7	704.0	653.7	620.0
15498.1	70°	12846.6	8971.6	607.2	528.7	596.2	648.3	684.8	658.3	604.4	572.5
14077.4	72.5°	11410.4	7505.3	491.2	461.1	533.2	584.4	628.2	608.1	553.3	522.3
10312.9	75°	8382.7	5327.7	392.6	392.6	454.7	517.7	566.1	553.3	503.1	481.2
4329.7	77.5°	3533.5	2235.2	307.7	326.0	378.0	444.7	504.9	509.5	465.7	493.0
1145.0	80°	939.5	616.3	234.7	256.6	296.7	367.0	439.2	437.4	389.9	364.3
425.5	82.5°	357.9	242.9	167.1	180.8	214.6	281.2	347.9	358.8	311.4	269.4
167.1	85°	137.9	104.1	103.2	108.7	125.1	186.3	263.0	272.1	234.7	199.0
46.6	87.5°	35.6	31.0	38.3	36.5	57.5	99.5	150.7	156.1	143.3	83.1
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°
2522.8
2406.8
2230.6
2069.9
1973.1
1945.7
1967.6
1998.7
1998.7
1953.0
1868.1
1756.7
1628.0
1485.5
1360.4
1303.8
1220.7
1107.5
1014.4
952.3
906.7
880.2
814.4
783.4
746.0
709.4
666.5
620.9
575.2
522.3
474.8
447.4
338.7
269.4
205.4
118.7
0.0

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