

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: P847316

Luminaire Tested: **GLAN-SB3B-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847316
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-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13861 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

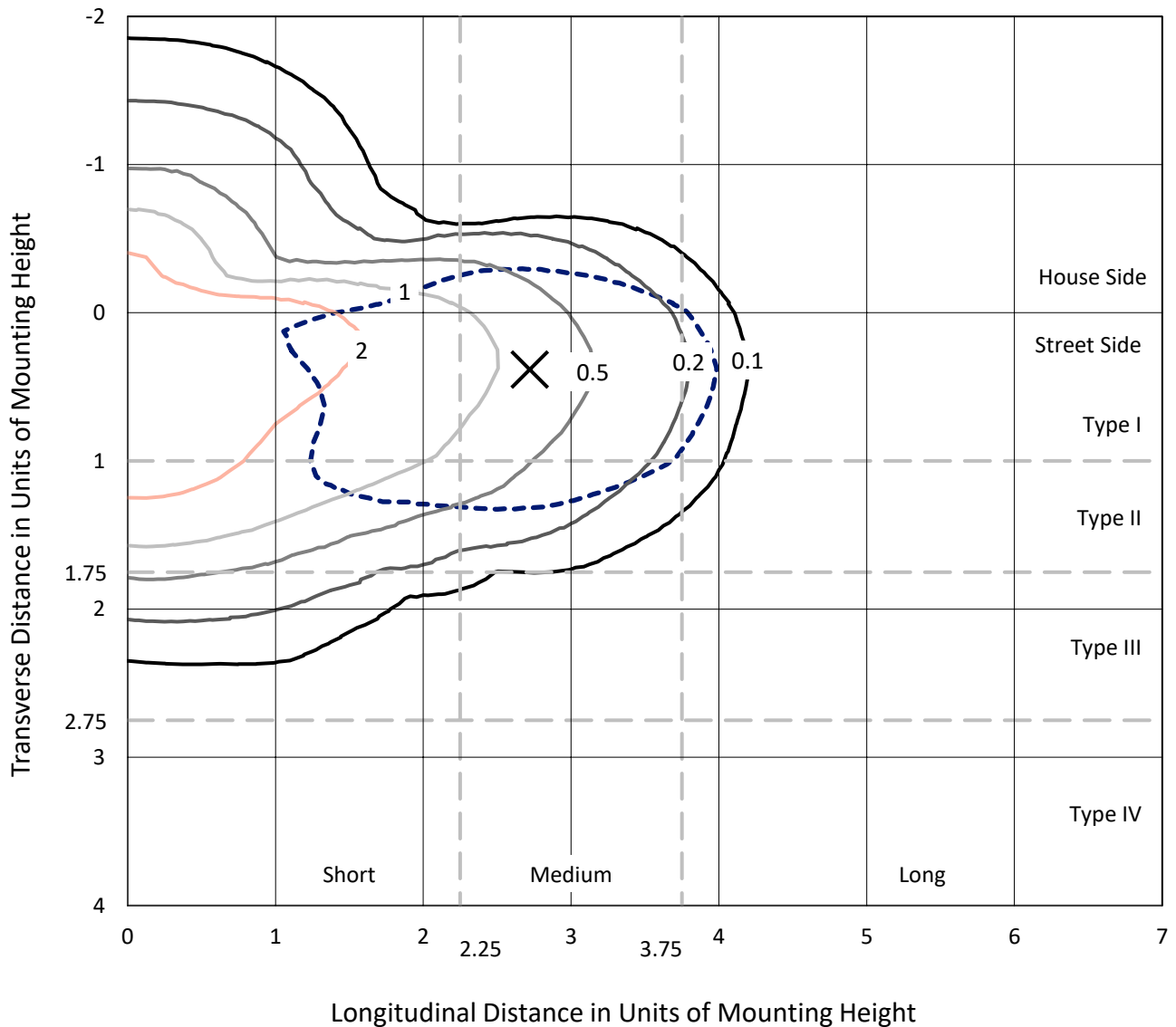
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

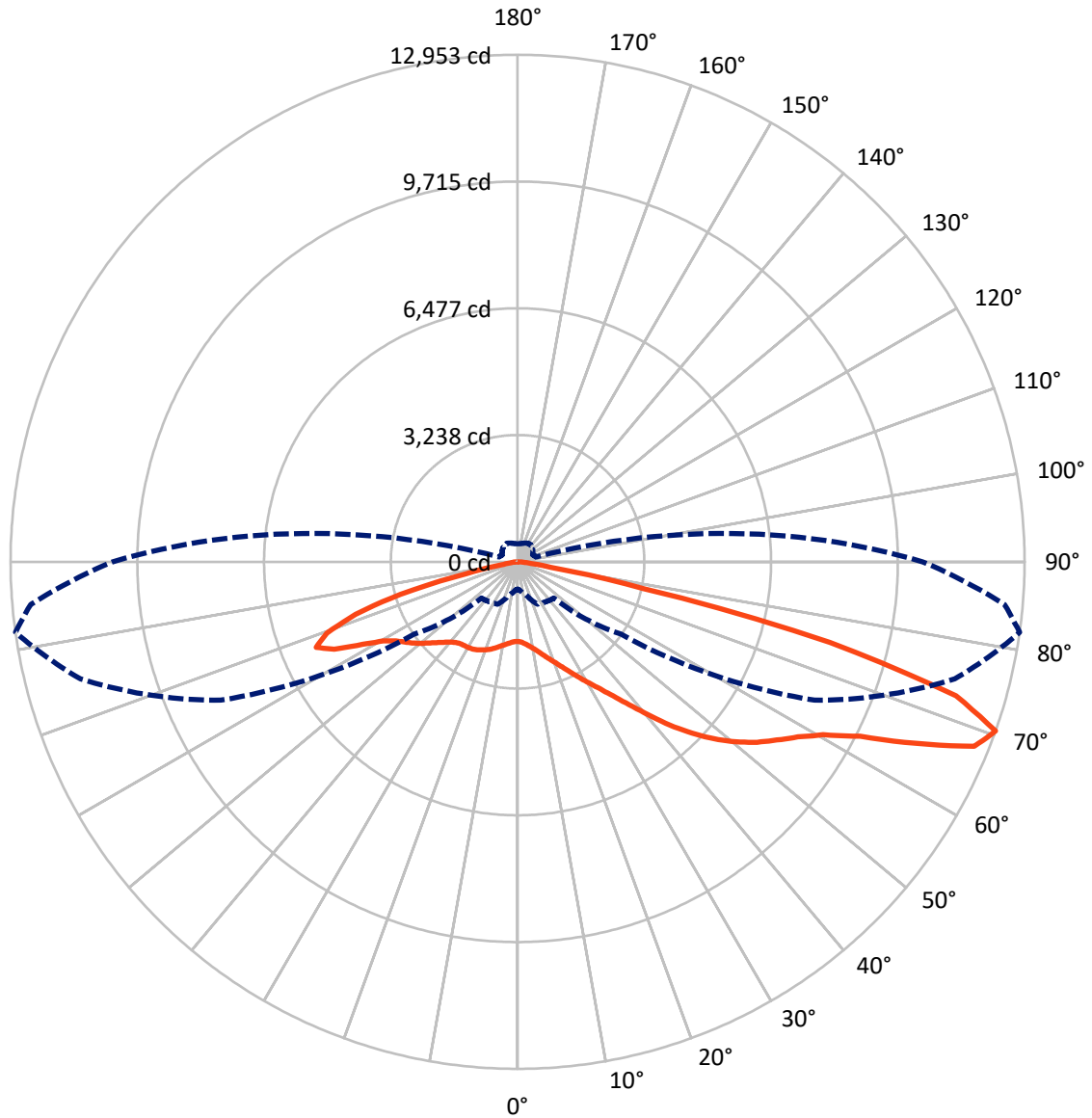
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	3417.1	0.0	3417.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	10443.9	0.0	10443.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	13861.0	0.0	13861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	1.4
10°-20°	551.3	4.0
20°-30°	922.2	6.7
30°-40°	1440.7	10.4
40°-50°	2294.5	16.6
50°-60°	3193.1	23.0
60°-70°	3340.2	24.1
70°-80°	1745.8	12.6
80°-90°	181.3	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°	13861.0	100.0
0°-180°	13861.0	100.0

Coefficient of Utilization

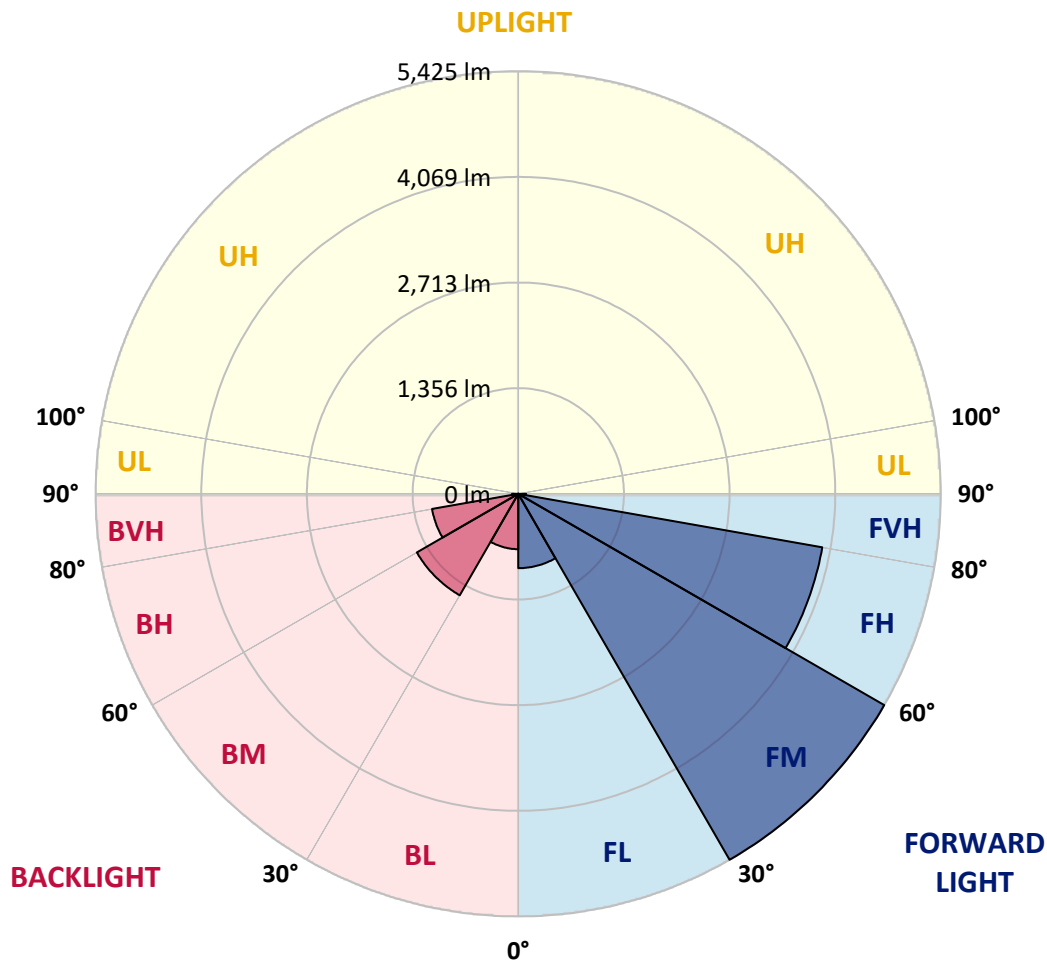


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	954.5	6.9			
FM (30°-60°)	5425.1	39.1			
FH (60°-80°)	3962.9	28.6			G2/5000
FVH (80°-90°)	101.5	0.7			G2/225
BL (0°-30°)	710.9	5.1	B2/1000		
BM (30°-60°)	1503.4	10.8	B2/2500		
BH (60°-80°)	1123.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	79.8	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°	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2
2.5°	2080.7	2092.5	2088.8	2085.2	2085.2	2080.0	2079.3	2071.9	2066.0	2056.5
5°	2107.2	2119.7	2118.2	2121.2	2130.8	2133.0	2135.2	2130.8	2119.0	2107.2
7.5°	2083.7	2097.7	2102.1	2119.7	2149.1	2175.6	2195.5	2203.6	2192.5	2175.6
10°	2004.2	2019.7	2035.1	2077.1	2129.3	2191.8	2244.8	2276.4	2274.2	2258.0
12.5°	1843.2	1859.4	1892.5	1974.1	2069.7	2180.0	2278.6	2344.8	2367.6	2355.8
15°	1714.5	1728.4	1753.4	1837.3	1961.6	2129.3	2291.1	2419.8	2477.9	2471.3
17.5°	1710.8	1716.7	1732.1	1771.8	1867.4	2049.8	2277.9	2493.4	2604.4	2603.7
20°	1775.5	1777.7	1786.5	1794.6	1849.1	1989.5	2244.0	2554.4	2746.4	2746.4
22.5°	1865.2	1863.8	1872.6	1865.2	1891.7	1984.4	2222.7	2608.1	2904.5	2916.3
25°	1999.8	1992.5	1990.3	1973.4	1978.5	2032.2	2246.2	2669.1	3092.1	3116.3
27.5°	2179.3	2167.5	2159.4	2120.5	2107.2	2130.8	2318.3	2742.7	3300.9	3342.9
30°	2413.2	2391.9	2380.1	2312.4	2264.6	2268.3	2427.2	2840.5	3519.4	3587.1
32.5°	2732.4	2699.3	2667.7	2556.6	2469.1	2440.4	2567.6	2975.8	3756.2	3864.3
35°	3089.8	3063.4	3029.5	2858.2	2723.6	2657.4	2757.4	3164.9	4033.5	4204.9
37.5°	3434.1	3411.3	3427.4	3196.5	3022.9	2926.6	3006.0	3418.6	4375.5	4628.5
40°	3790.0	3772.4	3774.6	3554.0	3351.7	3243.6	3307.6	3737.1	4767.5	5132.3
42.5°	4176.9	4163.7	4119.6	3923.9	3696.6	3595.9	3654.7	4104.8	5188.2	5706.0
45°	4610.1	4602.0	4560.9	4336.5	4076.2	3962.9	4042.3	4510.8	5611.2	6245.9
47.5°	4984.5	4991.1	4986.0	4797.0	4527.0	4360.8	4455.7	4934.5	6004.6	6753.4
50°	5164.7	5199.3	5250.0	5191.2	5023.5	4854.3	4872.7	5343.4	6379.8	7229.3
52.5°	5070.6	5136.0	5274.3	5368.4	5433.2	5397.9	5348.6	5749.4	6732.8	7658.8
55°	4719.7	4811.7	5041.1	5268.4	5598.7	5855.3	5920.1	6199.6	7077.0	8036.8
57.5°	4080.6	4229.9	4435.8	4895.5	5451.6	6076.7	6586.4	6824.0	7441.8	8440.6
60°	2984.7	3184.7	3440.7	4124.7	4936.7	5958.3	7153.5	7783.1	7960.4	8963.6
62.5°	1910.1	2033.7	2269.0	2913.3	3846.7	5351.5	7327.1	8982.0	8839.3	9821.2
65°	1307.7	1387.2	1602.7	1964.5	2486.7	3983.5	6862.2	9880.8	10235.3	11180.4
67.5°	950.3	1010.6	1194.5	1511.5	1620.3	2357.3	5325.0	9839.6	11592.3	12580.8
70°	692.8	735.5	890.0	1194.5	1246.7	1311.4	3225.9	8364.1	11562.8	12953.0
72.5°	513.4	542.8	646.5	926.7	1009.1	885.5	1596.8	6078.9	9935.9	11715.8
75°	371.4	393.5	470.0	709.0	807.6	674.5	796.6	3552.5	6930.6	8241.3
77.5°	283.9	300.8	350.8	519.3	646.5	506.0	494.3	1634.3	3286.2	3302.4
80°	228.0	239.0	266.3	365.5	495.7	378.8	322.2	659.7	1038.5	878.9
82.5°	167.7	186.1	225.1	256.7	354.5	261.1	196.4	333.2	395.0	339.8
85°	95.6	108.1	136.1	183.9	226.5	159.6	112.5	147.8	183.9	150.8
87.5°	33.8	44.1	47.8	72.1	98.6	66.2	43.4	42.7	60.3	44.9
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°
2032.2	0°	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2	2032.2
2054.3	2.5°	2046.9	2043.2	2028.5	2008.7	1988.1	1968.2	1961.6	1947.6	1938.1	1932.9
2102.1	5°	2088.1	2076.3	2041.8	1997.6	1951.3	1901.3	1866.0	1833.6	1810.1	1788.0
2167.5	7.5°	2146.9	2126.3	2066.8	1989.5	1907.2	1824.0	1762.3	1715.2	1683.6	1663.0
2244.0	10°	2215.3	2183.7	2092.5	1977.0	1849.8	1730.6	1657.8	1617.4	1597.5	1586.5
2331.5	12.5°	2294.0	2249.2	2119.0	1948.3	1762.3	1626.2	1576.2	1564.4	1565.2	1565.9
2441.9	15°	2391.1	2328.6	2140.3	1885.8	1648.3	1546.0	1537.2	1556.3	1576.2	1585.7
2566.9	17.5°	2500.7	2412.5	2144.0	1782.9	1536.5	1494.5	1522.5	1563.7	1593.8	1607.1
2706.7	20°	2618.4	2497.8	2117.5	1637.2	1444.5	1452.6	1502.6	1555.6	1588.7	1605.6
2866.3	22.5°	2753.0	2589.0	2054.3	1484.2	1369.5	1407.0	1465.9	1517.3	1551.9	1568.8
3053.8	25°	2906.7	2691.2	1955.0	1355.5	1304.8	1355.5	1414.4	1457.0	1485.0	1500.4
3263.4	27.5°	3077.3	2797.9	1822.6	1253.3	1248.1	1302.6	1351.1	1384.2	1398.9	1410.7
3486.3	30°	3248.7	2894.9	1662.2	1176.1	1198.9	1250.4	1284.9	1299.6	1304.0	1306.3
3734.9	32.5°	3434.1	2978.8	1493.8	1112.1	1151.8	1199.6	1220.2	1226.8	1206.2	1192.3
4036.4	35°	3658.4	3068.5	1329.1	1061.3	1105.5	1146.6	1153.3	1147.4	1123.1	1094.4
4414.5	37.5°	3935.7	3180.3	1197.4	1025.3	1062.1	1089.3	1081.2	1079.7	1081.9	1048.1
4869.0	40°	4275.5	3325.9	1101.0	997.3	1026.8	1032.6	1009.8	1022.3	1033.4	981.9
5367.7	42.5°	4652.8	3501.7	1040.0	978.2	997.3	983.4	948.1	962.0	960.6	892.9
5868.6	45°	5037.5	3693.0	1018.7	964.2	970.1	942.2	903.2	906.9	876.0	814.9
6348.9	47.5°	5419.9	3898.2	1031.9	952.5	936.3	904.7	874.5	858.3	812.7	767.1
6809.3	50°	5795.0	4113.7	1080.5	928.9	890.0	871.6	849.5	820.8	772.3	733.3
7244.7	52.5°	6142.9	4330.6	1134.9	890.0	831.9	842.9	828.9	795.8	748.0	708.3
7656.6	55°	6472.4	4547.6	1156.2	836.3	777.4	817.9	809.8	748.7	691.4	659.0
8087.6	57.5°	6831.4	4808.7	1132.7	767.9	733.3	789.2	758.3	690.6	657.5	633.3
8648.8	60°	7328.6	5218.4	1081.9	683.3	691.4	746.5	693.6	665.6	629.6	602.4
9490.2	62.5°	8154.5	5982.6	1000.3	599.4	642.1	683.3	662.7	634.7	598.0	571.5
10928.8	65°	9375.5	7044.7	846.6	534.0	586.9	621.5	629.6	601.6	563.4	535.4
12189.5	67.5°	10405.2	7711.0	640.6	479.5	530.3	571.5	594.3	567.1	526.6	499.4
12484.4	70°	10348.5	7227.1	489.1	425.9	480.3	522.2	551.6	530.3	486.9	461.2
11340.0	72.5°	9191.6	6045.8	395.7	371.4	429.5	470.7	506.0	489.8	445.7	420.7
8307.5	75°	6752.7	4291.7	316.3	316.3	366.3	417.0	456.0	445.7	405.3	387.6
3487.8	77.5°	2846.4	1800.5	247.9	262.6	304.5	358.2	406.7	410.4	375.1	397.2
922.3	80°	756.8	496.5	189.0	206.7	239.0	295.7	353.8	352.3	314.1	293.5
342.7	82.5°	288.3	195.6	134.6	145.6	172.8	226.5	280.2	289.1	250.8	217.0
134.6	85°	111.1	83.8	83.1	87.5	100.8	150.0	211.8	219.2	189.0	160.3
37.5	87.5°	28.7	25.0	30.9	29.4	46.3	80.2	121.4	125.8	115.5	66.9
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°
2032.2
1938.8
1796.8
1667.4
1589.4
1567.4
1585.0
1610.0
1610.0
1573.2
1504.8
1415.1
1311.4
1196.7
1095.9
1050.3
983.4
892.2
817.1
767.1
730.4
709.0
656.1
631.1
600.9
571.5
536.9
500.1
463.4
420.7
382.5
360.4
272.9
217.0
165.5
95.6
0.0

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