

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: P847256

Luminaire Tested: **GLAN-SB3B-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847256
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-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16428 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

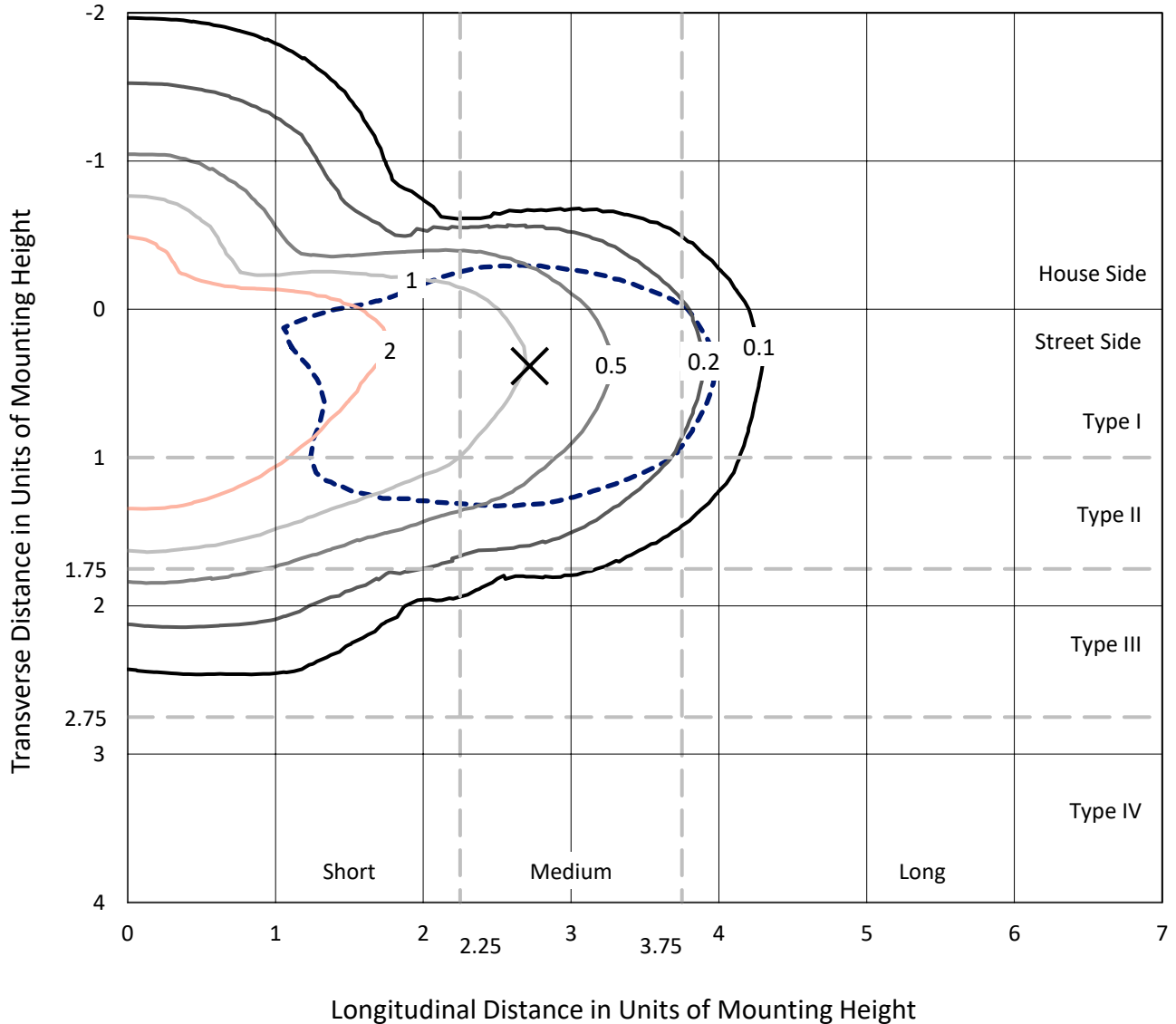
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

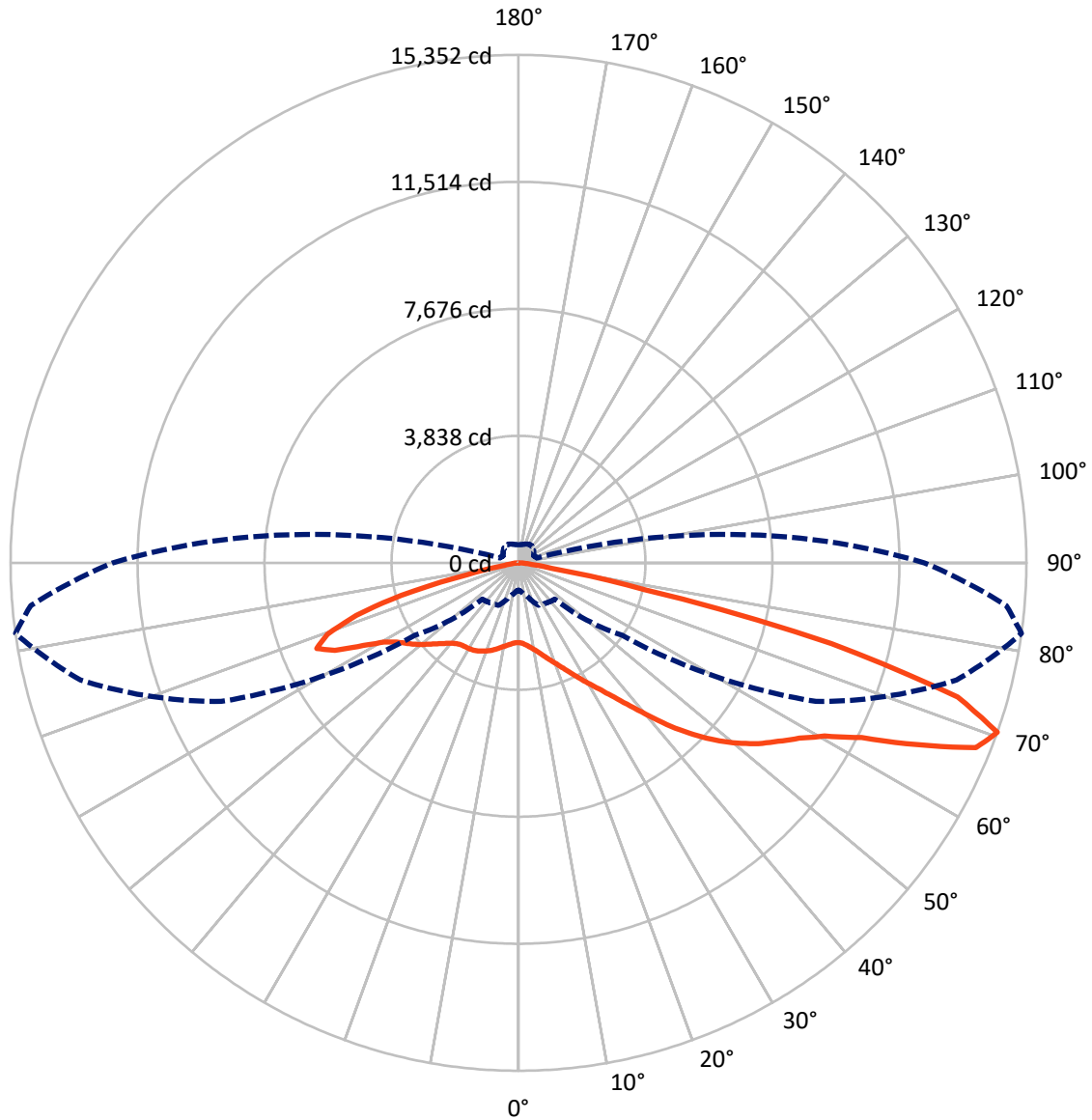
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	4049.9	0.0	4049.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	12378.1	0.0	12378.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	16428.0	0.0	16428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.4	1.4
10°-20°	653.4	4.0
20°-30°	1093.0	6.7
30°-40°	1707.6	10.4
40°-50°	2719.5	16.6
50°-60°	3784.5	23.0
60°-70°	3958.8	24.1
70°-80°	2069.1	12.6
80°-90°	214.8	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°	16428.0	100.0
0°-180°	16428.0	100.0

Coefficient of Utilization



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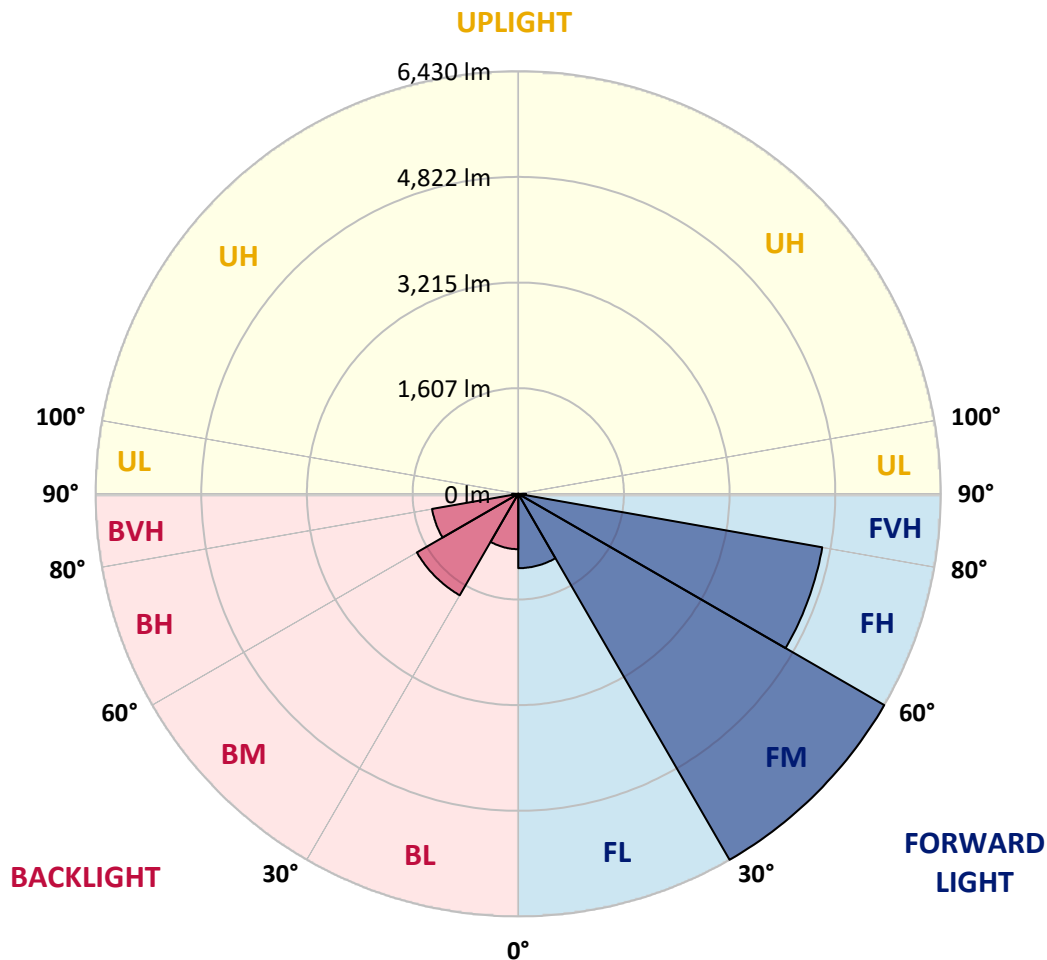
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1131.3	6.9			
FM (30°-60°)	6429.8	39.1			
FH (60°-80°)	4696.8	28.6			G2/5000
FVH (80°-90°)	120.3	0.7			G2/225
BL (0°-30°)	842.5	5.1	B2/1000		
BM (30°-60°)	1781.8	10.8	B2/2500		
BH (60°-80°)	1331.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	94.6	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°	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6
2.5°	2466.1	2480.0	2475.7	2471.3	2471.3	2465.2	2464.3	2455.6	2448.6	2437.3
5°	2497.5	2512.3	2510.5	2514.0	2525.4	2528.0	2530.6	2525.4	2511.4	2497.5
7.5°	2469.6	2486.1	2491.4	2512.3	2547.2	2578.5	2602.1	2611.7	2598.6	2578.5
10°	2375.4	2393.7	2412.0	2461.7	2523.6	2597.7	2660.5	2698.0	2695.3	2676.2
12.5°	2184.5	2203.7	2242.9	2339.7	2453.0	2583.8	2700.6	2779.0	2806.1	2792.1
15°	2032.0	2048.5	2078.2	2177.5	2324.9	2523.6	2715.4	2867.9	2936.8	2929.0
17.5°	2027.6	2034.6	2052.9	2100.0	2213.3	2429.5	2699.7	2955.1	3086.7	3085.9
20°	2104.3	2106.9	2117.4	2127.0	2191.5	2358.0	2659.6	3027.5	3255.0	3255.0
22.5°	2210.7	2208.9	2219.4	2210.7	2242.1	2351.9	2634.3	3091.1	3442.4	3456.4
25°	2370.2	2361.5	2358.9	2338.8	2344.9	2408.6	2662.2	3163.5	3664.7	3693.5
27.5°	2582.9	2568.9	2559.4	2513.2	2497.5	2525.4	2747.6	3250.6	3912.3	3961.9
30°	2860.1	2834.8	2820.9	2740.7	2684.0	2688.4	2876.7	3366.6	4171.2	4251.4
32.5°	3238.4	3199.2	3161.7	3030.1	2926.3	2892.4	3043.2	3527.0	4451.9	4580.0
35°	3662.1	3630.7	3590.6	3387.5	3228.0	3149.5	3268.1	3751.0	4780.5	4983.6
37.5°	4070.0	4043.0	4062.2	3788.5	3582.8	3468.6	3562.7	4051.7	5185.8	5485.7
40°	4492.0	4471.0	4473.6	4212.1	3972.4	3844.3	3920.1	4429.2	5650.5	6082.8
42.5°	4950.5	4934.8	4882.5	4650.6	4381.2	4261.8	4331.6	4865.0	6149.1	6762.8
45°	5463.9	5454.3	5405.5	5139.6	4831.0	4696.8	4790.9	5346.2	6650.3	7402.6
47.5°	5907.6	5915.5	5909.4	5685.3	5365.4	5168.4	5280.9	5848.3	7116.7	8004.1
50°	6121.2	6162.2	6222.3	6152.6	5953.8	5753.3	5775.1	6333.0	7561.3	8568.1
52.5°	6009.6	6087.2	6251.1	6362.7	6439.4	6397.5	6339.1	6814.2	7979.7	9077.2
55°	5593.8	5702.8	5974.7	6244.1	6635.5	6939.7	7016.4	7347.7	8387.6	9525.2
57.5°	4836.3	5013.2	5257.3	5802.1	6461.2	7202.1	7806.2	8087.8	8820.0	10003.8
60°	3537.4	3774.5	4077.9	4888.6	5851.0	7061.8	8478.3	9224.5	9434.6	10623.6
62.5°	2263.8	2410.3	2689.2	3452.9	4559.1	6342.6	8684.0	10645.4	10476.3	11640.0
65°	1549.9	1644.1	1899.5	2328.4	2947.3	4721.2	8133.1	11710.6	12130.8	13250.9
67.5°	1126.3	1197.7	1415.7	1791.4	1920.4	2793.8	6311.2	11661.8	13739.1	14910.7
70°	821.2	871.7	1054.8	1415.7	1477.6	1554.3	3823.3	9913.1	13704.2	15351.8
72.5°	608.5	643.3	766.2	1098.4	1196.0	1049.5	1892.5	7204.7	11776.0	13885.6
75°	440.2	466.4	557.0	840.3	957.1	799.4	944.1	4210.4	8214.2	9767.6
77.5°	336.5	356.5	415.8	615.4	766.2	599.7	585.8	1937.0	3894.8	3914.0
80°	270.2	283.3	315.6	433.2	587.5	448.9	381.8	781.9	1230.9	1041.7
82.5°	198.8	220.5	266.7	304.2	420.2	309.5	232.7	394.9	468.1	402.7
85°	113.3	128.1	161.3	217.9	268.5	189.2	133.4	175.2	217.9	178.7
87.5°	40.1	52.3	56.7	85.4	116.8	78.5	51.4	50.6	71.5	53.2
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°
2408.6	0°	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6	2408.6
2434.7	2.5°	2426.0	2421.6	2404.2	2380.7	2356.2	2332.7	2324.9	2308.3	2297.0	2290.9
2491.4	5°	2474.8	2460.9	2419.9	2367.6	2312.7	2253.4	2211.5	2173.2	2145.3	2119.1
2568.9	7.5°	2544.5	2520.1	2449.5	2358.0	2260.4	2161.9	2088.6	2032.8	1995.4	1970.9
2659.6	10°	2625.6	2588.1	2480.0	2343.2	2192.4	2051.1	1964.8	1916.9	1893.4	1880.3
2763.3	12.5°	2718.9	2665.7	2511.4	2309.2	2088.6	1927.4	1868.1	1854.1	1855.0	1855.9
2894.1	15°	2833.9	2759.9	2536.7	2235.1	1953.5	1832.3	1821.9	1844.6	1868.1	1879.4
3042.3	17.5°	2963.8	2859.2	2541.1	2113.0	1821.0	1771.3	1804.5	1853.3	1889.0	1904.7
3207.9	20°	3103.3	2960.3	2509.7	1940.4	1712.0	1721.6	1780.9	1843.7	1882.9	1903.0
3397.1	22.5°	3262.8	3068.4	2434.7	1759.1	1623.1	1667.6	1737.3	1798.3	1839.3	1859.4
3619.4	25°	3445.0	3189.6	2317.0	1606.6	1546.4	1606.6	1676.3	1726.9	1760.0	1778.3
3867.8	27.5°	3647.3	3316.0	2160.1	1485.4	1479.3	1543.8	1601.3	1640.6	1658.0	1672.0
4131.9	30°	3850.4	3431.1	1970.1	1393.9	1420.9	1481.9	1522.9	1540.3	1545.6	1548.2
4426.6	32.5°	4070.0	3530.4	1770.5	1318.0	1365.1	1421.8	1446.2	1454.0	1429.6	1413.1
4784.0	35°	4335.9	3636.8	1575.2	1257.9	1310.2	1359.0	1366.9	1359.9	1331.1	1297.1
5232.0	37.5°	4664.6	3769.3	1419.2	1215.2	1258.8	1291.0	1281.4	1279.7	1282.3	1242.2
5770.8	40°	5067.3	3941.9	1305.0	1182.0	1216.9	1223.9	1196.9	1211.7	1224.8	1163.7
6361.8	42.5°	5514.5	4150.2	1232.6	1159.4	1182.0	1165.5	1123.6	1140.2	1138.5	1058.3
6955.4	45°	5970.4	4376.9	1207.3	1142.8	1149.8	1116.7	1070.5	1074.8	1038.2	965.9
7524.6	47.5°	6423.7	4620.1	1223.0	1128.9	1109.7	1072.2	1036.5	1017.3	963.2	909.2
8070.3	50°	6868.2	4875.5	1280.6	1101.0	1054.8	1033.0	1006.8	972.8	915.3	869.1
8586.4	52.5°	7280.6	5132.7	1345.1	1054.8	985.9	999.0	982.4	943.2	886.5	839.5
9074.6	55°	7671.1	5389.8	1370.3	991.1	921.4	969.3	959.8	887.4	819.4	781.1
9585.4	57.5°	8096.5	5699.3	1342.4	910.1	869.1	935.4	898.7	818.5	779.3	750.5
10250.5	60°	8685.8	6184.8	1282.3	809.8	819.4	884.8	822.0	788.9	746.2	713.9
11247.7	62.5°	9664.7	7090.5	1185.5	710.4	761.0	809.8	785.4	752.3	708.7	677.3
12952.8	65°	11111.8	8349.3	1003.3	632.9	695.6	736.6	746.2	713.1	667.7	634.6
14446.9	67.5°	12332.2	9139.1	759.3	568.4	628.5	677.3	704.3	672.1	624.1	591.9
14796.5	70°	12265.0	8565.5	579.7	504.7	569.2	618.9	653.8	628.5	577.1	546.6
13440.1	72.5°	10893.8	7165.5	469.0	440.2	509.1	557.9	599.7	580.6	528.3	498.6
9846.0	75°	8003.2	5086.5	374.8	374.8	434.1	494.3	540.5	528.3	480.3	459.4
4133.7	77.5°	3373.5	2134.0	293.8	311.2	360.9	424.5	482.1	486.4	444.6	470.7
1093.1	80°	897.0	588.4	224.0	245.0	283.3	350.4	419.3	417.6	372.2	347.8
406.2	82.5°	341.7	231.9	159.5	172.6	204.9	268.5	332.1	342.6	297.3	257.2
159.5	85°	131.6	99.4	98.5	103.7	119.4	177.8	251.1	259.8	224.0	190.0
44.5	87.5°	34.0	29.6	36.6	34.9	54.9	95.0	143.8	149.1	136.9	79.3
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°
2408.6
2297.8
2129.6
1976.2
1883.8
1857.6
1878.5
1908.2
1908.2
1864.6
1783.5
1677.2
1554.3
1418.3
1298.9
1244.8
1165.5
1057.4
968.5
909.2
865.6
840.3
777.6
747.9
712.2
677.3
636.4
592.8
549.2
498.6
453.3
427.1
323.4
257.2
196.1
113.3
0.0

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