

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: P847416

Luminaire Tested: **GLAN-SB3C-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847416
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-SB3C-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21507 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

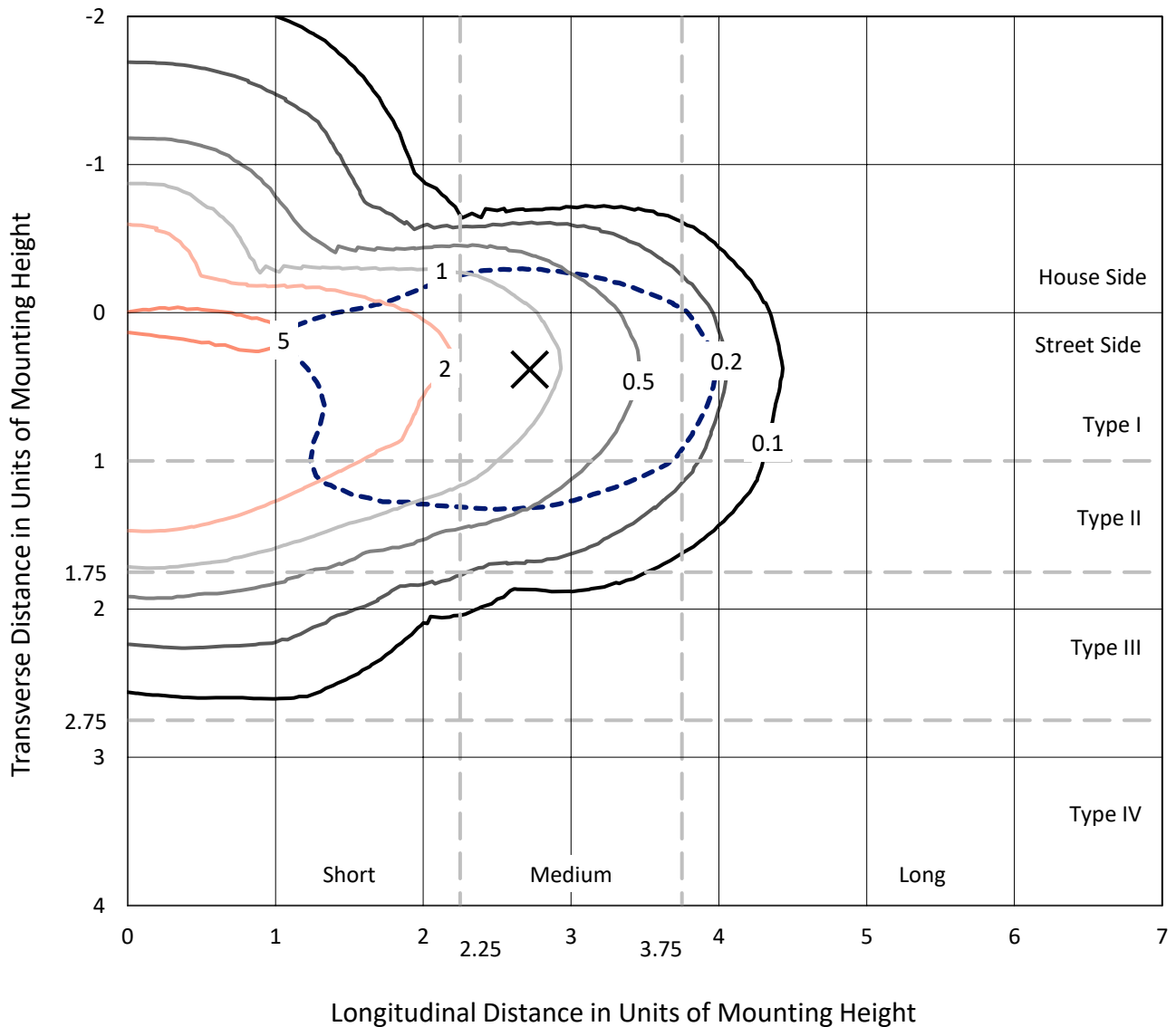
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

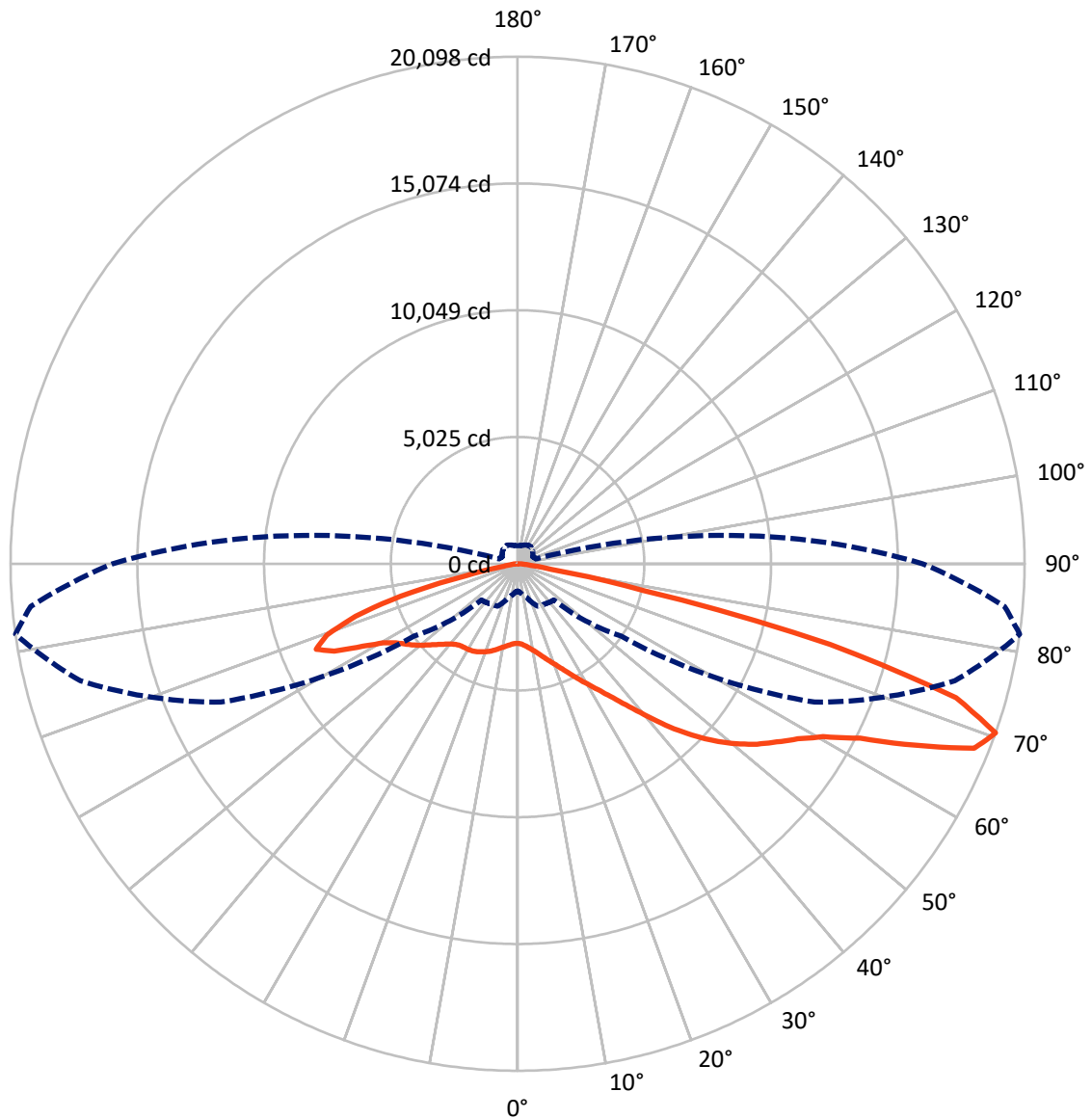
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	5302.0	0.0	5302.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16205.0	0.0	16205.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	21507.0	0.0	21507.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	1.4
10°-20°	855.4	4.0
20°-30°	1430.9	6.7
30°-40°	2235.5	10.4
40°-50°	3560.3	16.6
50°-60°	4954.5	23.0
60°-70°	5182.7	24.1
70°-80°	2708.7	12.6
80°-90°	281.3	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°	21507.0	100.0
0°-180°	21507.0	100.0

Coefficient of Utilization

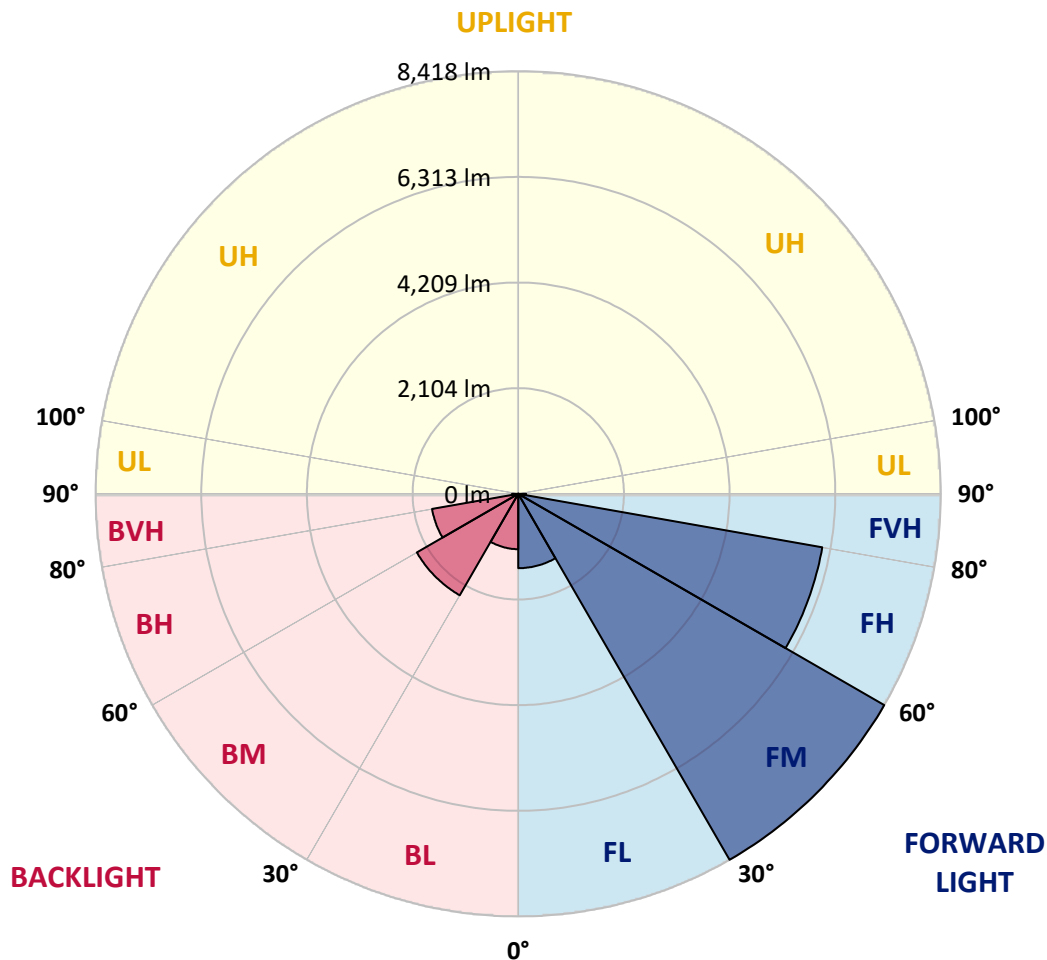


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1481.0	6.9			
FM (30°-60°)	8417.6	39.1			
FH (60°-80°)	6148.9	28.6			G3/7500
FVH (80°-90°)	157.5	0.7			G2/225
BL (0°-30°)	1103.0	5.1	B3/2500		
BM (30°-60°)	2332.7	10.8	B2/2500		
BH (60°-80°)	1742.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	123.8	0.6			G2/225
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°	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2
2.5°	3228.5	3246.8	3241.1	3235.4	3235.4	3227.4	3226.2	3214.8	3205.7	3190.9
5°	3269.6	3289.0	3286.7	3291.3	3306.1	3309.5	3313.0	3306.1	3287.9	3269.6
7.5°	3233.1	3254.8	3261.6	3289.0	3334.6	3375.7	3406.5	3419.1	3402.0	3375.7
10°	3109.8	3133.8	3157.8	3222.8	3303.8	3400.8	3483.0	3532.1	3528.7	3503.6
12.5°	2859.9	2885.0	2936.4	3063.0	3211.4	3382.6	3535.5	3638.2	3673.6	3655.3
15°	2660.2	2681.9	2720.7	2850.8	3043.6	3303.8	3554.9	3754.6	3844.8	3834.5
17.5°	2654.5	2663.6	2687.6	2749.2	2897.6	3180.6	3534.4	3868.7	4041.1	4039.9
20°	2754.9	2758.3	2772.0	2784.6	2869.0	3087.0	3481.9	3963.5	4261.3	4261.3
22.5°	2894.1	2891.9	2905.6	2894.1	2935.2	3079.0	3448.8	4046.8	4506.7	4524.9
25°	3103.0	3091.6	3088.1	3061.9	3069.9	3153.2	3485.3	4141.5	4797.7	4835.4
27.5°	3381.4	3363.2	3350.6	3290.1	3269.6	3306.1	3597.1	4255.6	5121.8	5186.9
30°	3744.3	3711.3	3693.0	3588.0	3513.8	3519.5	3766.0	4407.4	5460.7	5565.7
32.5°	4239.6	4188.3	4139.2	3966.9	3831.1	3786.6	3984.0	4617.4	5828.2	5996.0
35°	4794.3	4753.2	4700.7	4434.8	4225.9	4123.2	4278.4	4910.7	6258.5	6524.4
37.5°	5328.4	5293.0	5318.1	4959.7	4690.4	4540.9	4664.2	5304.4	6789.1	7181.7
40°	5880.7	5853.3	5856.7	5514.4	5200.5	5032.8	5132.1	5798.5	7397.4	7963.4
42.5°	6481.0	6460.5	6392.0	6088.4	5735.8	5579.4	5670.7	6369.2	8050.2	8853.6
45°	7153.2	7140.6	7076.7	6728.6	6324.6	6148.9	6272.2	6999.1	8706.4	9691.3
47.5°	7734.1	7744.3	7736.3	7443.0	7024.2	6766.3	6913.5	7656.5	9316.9	10478.7
50°	8013.7	8067.3	8146.0	8054.7	7794.5	7532.1	7560.6	8291.0	9899.0	11217.1
52.5°	7867.6	7969.2	8183.7	8329.8	8430.2	8375.4	8299.0	8920.9	10446.7	11883.5
55°	7323.2	7465.9	7821.9	8174.6	8687.0	9085.3	9185.7	9619.4	10980.8	12470.1
57.5°	6331.5	6563.2	6882.7	7596.0	8458.7	9428.8	10219.6	10588.3	11546.9	13096.7
60°	4631.1	4941.5	5338.6	6400.0	7659.9	9245.0	11099.5	12076.4	12351.4	13908.1
62.5°	2963.8	3155.5	3520.7	4520.4	5968.6	8303.5	11368.8	13936.6	13715.2	15238.7
65°	2029.1	2152.3	2486.7	3048.2	3858.5	6180.9	10647.6	15331.2	15881.2	17347.7
67.5°	1474.5	1568.0	1853.3	2345.2	2514.1	3657.6	8262.4	15267.3	17986.8	19520.6
70°	1075.0	1141.2	1380.9	1853.3	1934.4	2034.8	5005.4	12978.0	17941.1	20098.1
72.5°	796.6	842.2	1003.1	1437.9	1565.8	1374.0	2477.6	9432.2	15416.8	18178.5
75°	576.3	610.6	729.2	1100.1	1253.1	1046.5	1235.9	5512.1	10753.7	12787.4
77.5°	440.5	466.8	544.4	805.7	1003.1	785.2	766.9	2535.8	5099.0	5124.1
80°	353.8	370.9	413.1	567.2	769.2	587.7	499.9	1023.7	1611.4	1363.8
82.5°	260.2	288.7	349.2	398.3	550.1	405.1	304.7	517.0	612.8	527.2
85°	148.4	167.8	211.1	285.3	351.5	247.6	174.6	229.4	285.3	234.0
87.5°	52.5	68.5	74.2	111.8	152.9	102.7	67.3	66.2	93.6	69.6
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°
3153.2	0°	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2	3153.2
3187.4	2.5°	3176.0	3170.3	3147.5	3116.7	3084.7	3053.9	3043.6	3022.0	3007.1	2999.1
3261.6	5°	3239.9	3221.7	3168.0	3099.6	3027.7	2950.1	2895.3	2845.1	2808.5	2774.3
3363.2	7.5°	3331.2	3299.3	3206.8	3087.0	2959.2	2830.2	2734.4	2661.3	2612.3	2580.3
3481.9	10°	3437.4	3388.3	3246.8	3067.6	2870.2	2685.3	2572.3	2509.5	2478.7	2461.6
3617.7	12.5°	3559.5	3489.9	3287.9	3023.1	2734.4	2523.2	2445.6	2427.4	2428.5	2429.7
3788.9	15°	3710.1	3613.1	3321.0	2926.1	2557.5	2398.8	2385.2	2414.8	2445.6	2460.5
3982.9	17.5°	3880.2	3743.2	3326.7	2766.3	2384.0	2319.0	2362.3	2426.2	2473.0	2493.6
4199.7	20°	4062.7	3875.6	3285.6	2540.4	2241.4	2253.9	2331.5	2413.7	2465.0	2491.3
4447.3	22.5°	4271.6	4017.1	3187.4	2303.0	2125.0	2183.2	2274.5	2354.3	2408.0	2434.2
4738.4	25°	4510.1	4175.7	3033.4	2103.3	2024.5	2103.3	2194.6	2260.8	2304.1	2328.1
5063.6	27.5°	4774.9	4341.2	2827.9	1944.6	1936.7	2021.1	2096.4	2147.8	2170.6	2188.9
5409.4	30°	5040.8	4491.8	2579.2	1824.8	1860.2	1940.1	1993.7	2016.5	2023.4	2026.8
5795.1	32.5°	5328.4	4621.9	2317.8	1725.5	1787.2	1861.3	1893.3	1903.6	1871.6	1849.9
6263.0	35°	5676.4	4761.2	2062.2	1646.8	1715.3	1779.2	1789.4	1780.3	1742.6	1698.1
6849.6	37.5°	6106.7	4934.6	1857.9	1590.9	1647.9	1690.1	1677.6	1675.3	1678.7	1626.2
7554.9	40°	6633.9	5160.6	1708.4	1547.5	1593.1	1602.3	1566.9	1586.3	1603.4	1523.5
8328.6	42.5°	7219.4	5433.4	1613.7	1517.8	1547.5	1525.8	1471.0	1492.7	1490.4	1385.4
9105.8	45°	7816.2	5730.1	1580.6	1496.1	1505.3	1461.9	1401.4	1407.1	1359.2	1264.5
9851.0	47.5°	8409.7	6048.5	1601.1	1477.9	1452.8	1403.7	1356.9	1331.8	1261.0	1190.3
10565.4	50°	8991.7	6382.9	1676.5	1441.4	1380.9	1352.3	1318.1	1273.6	1198.3	1137.8
11241.0	52.5°	9531.5	6719.5	1760.9	1380.9	1290.7	1307.8	1286.2	1234.8	1160.6	1099.0
11880.1	55°	10042.7	7056.2	1794.0	1297.6	1206.3	1269.0	1256.5	1161.8	1072.7	1022.5
12548.9	57.5°	10599.7	7461.3	1757.5	1191.4	1137.8	1224.5	1176.6	1071.6	1020.3	982.6
13419.6	60°	11371.1	8097.0	1678.7	1060.2	1072.7	1158.3	1076.2	1032.8	976.9	934.7
14725.2	62.5°	12652.7	9282.7	1552.1	930.1	996.3	1060.2	1028.2	984.9	927.8	886.7
16957.4	65°	14547.2	10930.6	1313.5	828.5	910.7	964.3	976.9	933.5	874.2	830.8
18913.5	67.5°	16144.9	11964.6	994.0	744.1	822.8	886.7	922.1	879.9	817.1	774.9
19371.1	70°	16057.0	11213.6	758.9	660.8	745.2	810.3	855.9	822.8	755.5	715.5
17595.4	72.5°	14261.8	9380.8	614.0	576.3	666.5	730.4	785.2	760.1	691.6	652.8
12890.1	75°	10477.6	6659.0	490.7	490.7	568.3	647.1	707.6	691.6	628.8	601.4
5411.7	77.5°	4416.5	2793.7	384.6	407.4	472.5	555.8	631.1	636.8	582.0	616.3
1431.1	80°	1174.3	770.3	293.3	320.7	370.9	458.8	548.9	546.6	487.3	455.3
531.8	82.5°	447.4	303.6	208.8	226.0	268.2	351.5	434.8	448.5	389.2	336.7
208.8	85°	172.3	130.1	129.0	135.8	156.3	232.8	328.7	340.1	293.3	248.8
58.2	87.5°	44.5	38.8	47.9	45.6	71.9	124.4	188.3	195.1	179.2	103.9
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°
3153.2
3008.3
2788.0
2587.1
2466.2
2431.9
2459.3
2498.1
2498.1
2441.1
2334.9
2195.7
2034.8
1856.8
1700.4
1629.7
1525.8
1384.3
1267.9
1190.3
1133.2
1100.1
1018.0
979.2
932.4
886.7
833.1
776.0
719.0
652.8
593.4
559.2
423.4
336.7
256.8
148.4
0.0

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