

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: P849455

Luminaire Tested: **GLAN-SB6C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32034 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

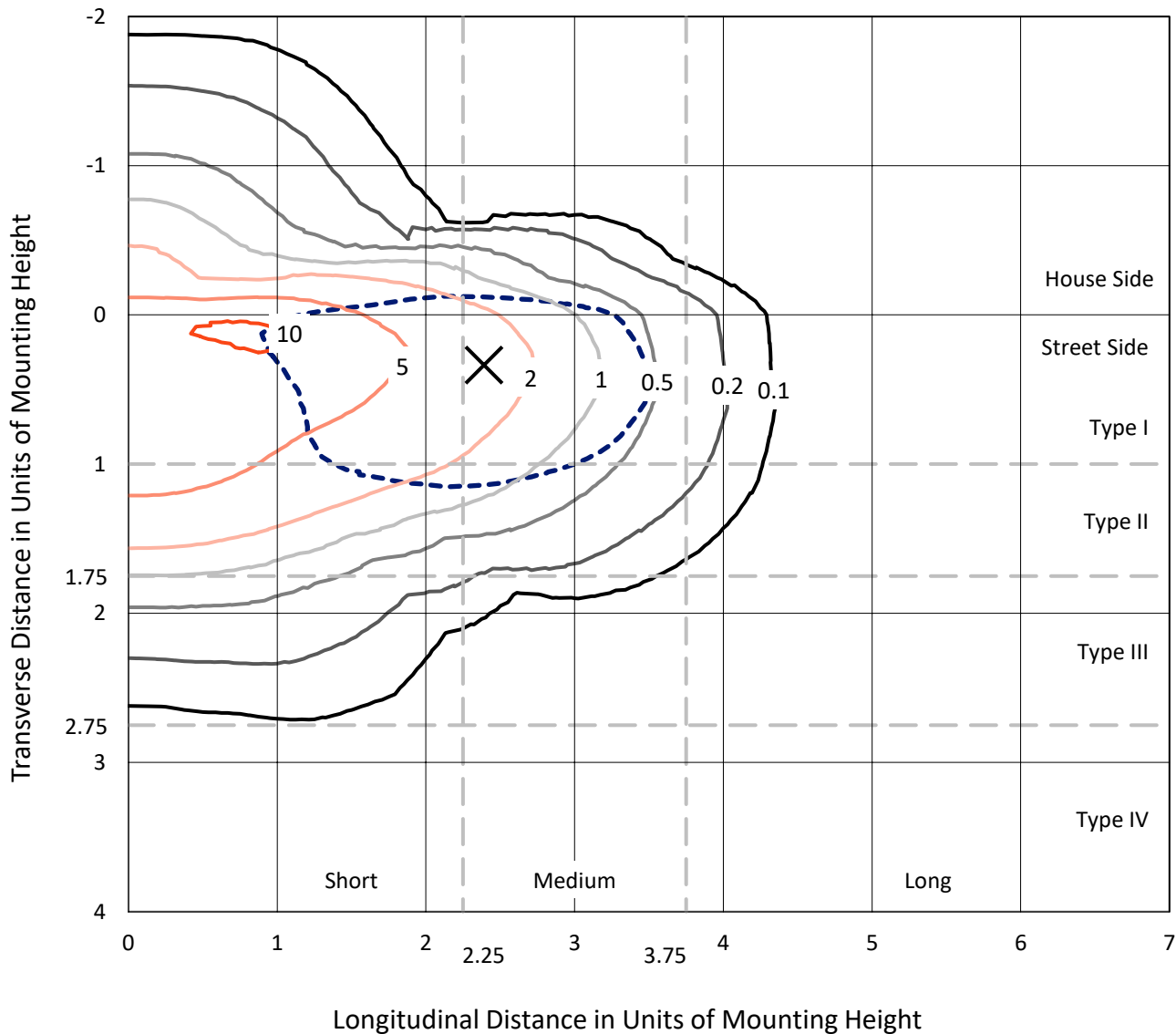
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

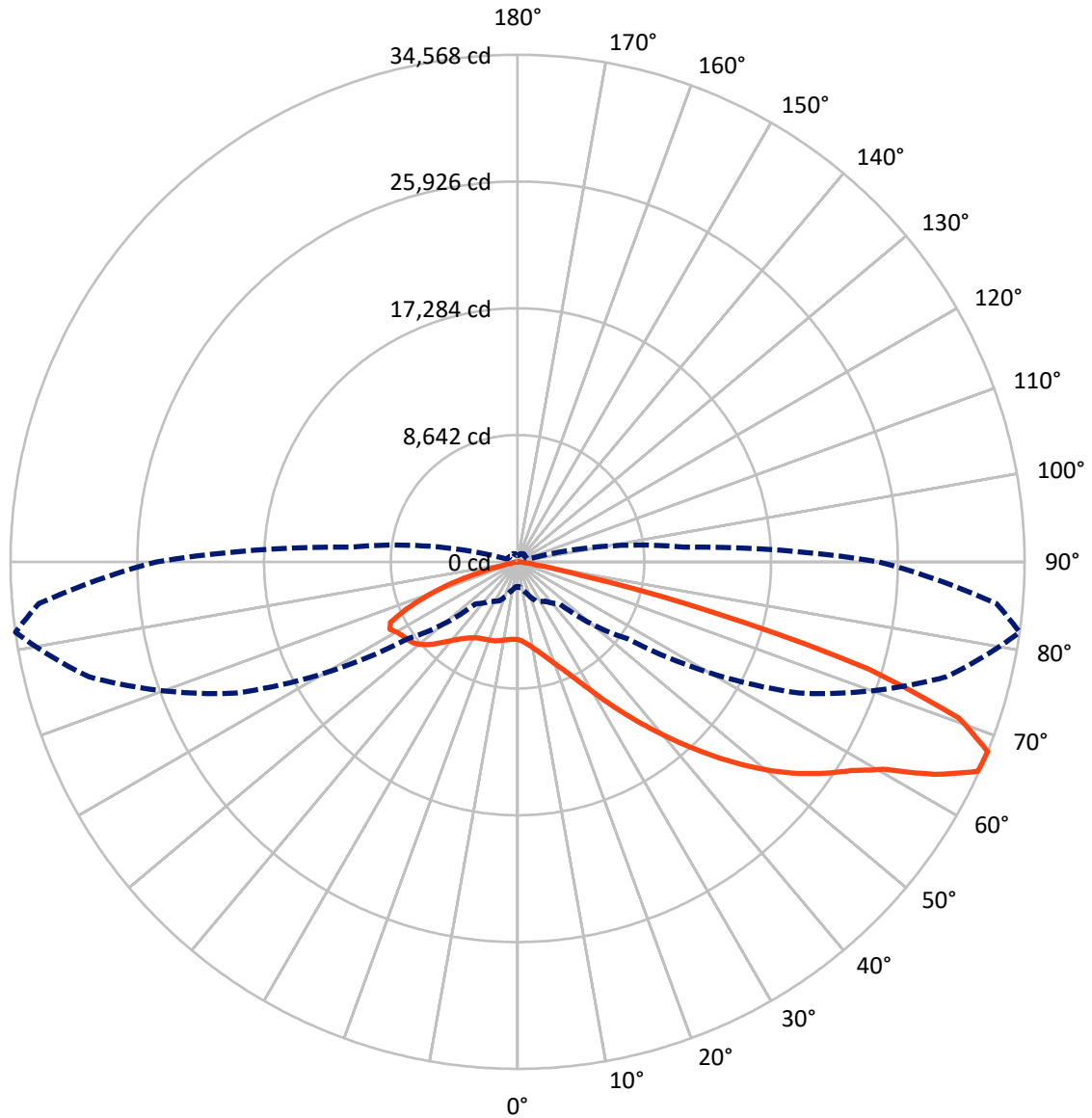
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5802.7	0.0	5802.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26231.3	0.0	26231.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	32034.0	0.0	32034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.8	1.5
10°-20°	1228.6	3.8
20°-30°	1967.9	6.1
30°-40°	3479.8	10.9
40°-50°	6097.0	19.0
50°-60°	8131.7	25.4
60°-70°	7570.2	23.6
70°-80°	2905.4	9.1
80°-90°	180.5	0.6
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°	32034.0	100.0
0°-180°	32034.0	100.0

Coefficient of Utilization

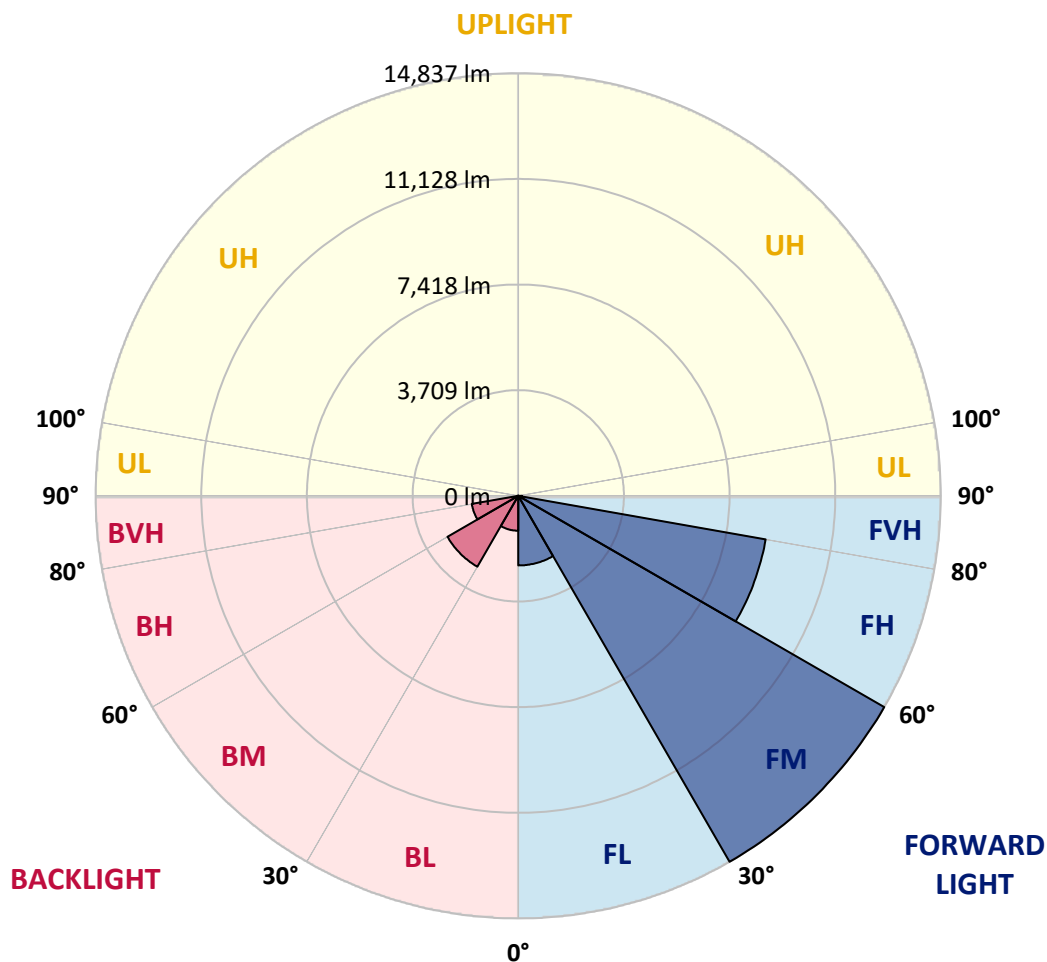


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2443.8	7.6			
FM (30°-60°)	14836.8	46.3			
FH (60°-80°)	8819.5	27.5			G4/12000
FVH (80°-90°)	131.2	0.4			G2/225
BL (0°-30°)	1225.5	3.8	B3/2500		
BM (30°-60°)	2871.7	9.0	B3/5000		
BH (60°-80°)	1656.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	49.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9
2.5°	5609.1	5641.4	5622.9	5613.7	5597.6	5574.5	5556.0	5498.4	5438.4	5399.2
5°	5722.1	5754.4	5752.1	5761.3	5772.8	5779.8	5775.1	5710.6	5625.2	5558.3
7.5°	5625.2	5662.1	5692.1	5738.2	5819.0	5904.3	5945.8	5932.0	5844.3	5752.1
10°	5350.8	5390.0	5461.5	5569.9	5740.5	5925.1	6079.6	6151.1	6095.7	5994.2
12.5°	4848.0	4887.2	5027.9	5263.1	5549.1	5869.7	6164.9	6356.3	6370.2	6268.7
15°	4282.9	4322.1	4472.0	4767.3	5203.2	5717.5	6211.0	6573.1	6695.4	6607.7
17.5°	3932.4	3967.0	4080.0	4317.5	4771.9	5413.0	6194.9	6803.8	7082.9	7013.7
20°	3826.3	3856.2	3909.3	4075.3	4453.6	5097.1	6088.8	7020.6	7500.3	7461.1
22.5°	3939.3	3967.0	3983.1	4056.9	4294.5	4889.5	5955.0	7242.0	7984.6	7989.3
25°	4199.9	4227.6	4209.1	4255.2	4359.0	4824.9	5904.3	7502.6	8593.5	8644.3
27.5°	4628.9	4631.2	4587.4	4585.1	4601.2	4921.8	5957.3	7781.7	9361.5	9456.1
30°	5489.2	5454.6	5286.2	5104.0	5021.0	5212.4	6105.0	8111.5	10267.9	10436.3
32.5°	6815.3	6764.6	6455.5	6019.6	5581.4	5680.6	6370.2	8487.4	11255.1	11559.5
35°	8254.5	8240.6	7917.8	7269.7	6504.0	6347.1	6801.5	8981.0	12332.1	12816.5
37.5°	9592.2	9585.3	9400.8	8637.3	7705.6	7276.6	7493.4	9626.8	13485.3	14186.5
40°	10814.6	10835.3	10650.8	9968.1	9029.4	8469.0	8434.4	10424.8	14767.7	15678.7
42.5°	11870.9	11893.9	11707.1	11202.0	10337.1	9788.2	9589.9	11402.7	16020.0	17281.6
45°	12588.1	12731.1	12703.5	12299.9	11679.4	11109.8	10978.3	12629.7	17447.7	18981.4
47.5°	12791.1	12922.6	13130.1	13185.5	12807.3	12246.8	12403.6	14108.0	18891.4	20683.5
50°	12290.6	12412.9	12844.2	13418.4	13681.4	13508.4	13789.8	15692.5	20369.8	22381.0
52.5°	11303.5	11428.0	11972.3	12881.1	13953.5	14497.8	15180.5	17253.9	21802.1	23988.5
55°	9875.9	10007.3	10706.2	11734.8	13434.6	14906.0	16340.6	18813.0	23114.4	25434.6
57.5°	7933.9	8030.8	8757.3	10196.4	12129.2	14500.1	17196.3	20515.1	24350.6	26855.3
60°	5170.9	5256.2	6100.3	7705.6	9965.8	13144.0	17366.9	22413.3	25992.8	28702.7
62.5°	3438.8	3496.5	3996.9	5175.5	7018.3	10540.1	16368.3	23928.6	28400.6	31917.8
65°	2359.4	2417.1	2917.6	3738.6	4534.3	6972.1	13496.9	23727.9	30582.4	34471.0
67.5°	1683.6	1732.1	2156.5	2931.4	3282.0	4050.0	9149.4	21163.2	30268.8	34567.8
70°	1206.2	1233.9	1584.5	2283.3	2608.5	2433.2	5087.8	16186.1	26502.5	31920.1
72.5°	844.1	853.4	1100.1	1739.0	2101.1	1775.9	2421.7	10791.5	20044.6	25054.1
75°	572.0	583.5	740.3	1275.4	1686.0	1356.1	1282.3	5786.7	11767.1	13868.2
77.5°	350.6	355.2	477.4	871.8	1261.6	1033.3	825.7	2451.7	4552.8	4469.7
80°	198.3	198.3	304.4	542.0	860.3	666.5	578.9	1042.5	1441.5	1266.2
82.5°	110.7	113.0	221.4	336.7	569.7	394.4	318.3	482.0	622.7	551.2
85°	46.1	50.7	136.1	159.1	272.2	196.0	129.2	203.0	230.6	205.3
87.5°	4.6	6.9	41.5	30.0	32.3	39.2	18.5	39.2	32.3	32.3
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°
5306.9	0°	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9	5306.9
5385.4	2.5°	5341.5	5306.9	5219.3	5117.8	4984.1	4919.5	4831.8	4771.9	4721.1	4725.7
5519.1	5°	5445.3	5357.7	5161.6	4917.2	4612.7	4395.9	4165.3	4006.2	3877.0	3849.3
5703.6	7.5°	5588.3	5449.9	5106.3	4665.8	4151.5	3761.7	3413.4	3189.7	3030.6	2979.8
5927.4	10°	5772.8	5572.2	5034.8	4349.8	3609.5	3113.6	2740.0	2564.7	2456.3	2419.4
6190.3	12.5°	5987.3	5712.9	4940.2	3964.6	3051.3	2573.9	2336.3	2248.7	2214.1	2202.6
6513.2	15°	6257.2	5888.2	4797.2	3508.0	2578.5	2244.1	2142.6	2131.1	2135.7	2131.1
6900.6	17.5°	6577.8	6079.6	4564.3	3037.5	2260.2	2075.7	2038.8	2048.1	2059.6	2057.3
7334.2	20°	6928.3	6268.7	4266.8	2620.0	2043.4	1955.8	1935.0	1944.3	1953.5	1948.9
7834.7	22.5°	7327.3	6471.7	3937.0	2294.8	1898.1	1845.1	1822.0	1824.3	1824.3	1815.1
8469.0	25°	7804.7	6695.4	3591.0	2064.2	1787.4	1745.9	1718.2	1709.0	1695.2	1667.5
9239.3	27.5°	8374.4	6932.9	3258.9	1902.8	1699.8	1660.6	1628.3	1605.2	1570.6	1524.5
10164.2	30°	9015.6	7221.2	2977.5	1801.3	1630.6	1591.4	1554.5	1519.9	1469.2	1411.5
11227.4	32.5°	9769.8	7530.3	2772.3	1734.4	1568.3	1526.8	1483.0	1441.5	1386.1	1328.5
12422.1	35°	10669.3	7903.9	2652.3	1688.3	1519.9	1464.5	1416.1	1370.0	1328.5	1277.7
13720.6	37.5°	11644.8	8300.6	2615.4	1665.2	1487.6	1402.3	1346.9	1314.6	1310.0	1280.0
15125.2	40°	12712.7	8771.1	2643.1	1651.4	1453.0	1342.3	1282.3	1275.4	1287.0	1233.9
16626.6	42.5°	13842.8	9329.3	2689.2	1635.2	1404.6	1282.3	1224.7	1224.7	1215.5	1141.7
18213.4	45°	15065.2	9972.7	2735.4	1596.0	1346.9	1222.4	1178.6	1162.4	1123.2	1051.7
19809.4	47.5°	16296.8	10627.7	2769.9	1524.5	1277.7	1171.6	1132.4	1095.5	1037.9	973.3
21375.4	50°	17466.1	11215.9	2733.0	1418.4	1199.3	1123.2	1081.7	1030.9	968.7	924.9
22858.4	52.5°	18510.9	11725.6	2576.2	1293.9	1116.3	1072.5	1035.6	982.5	931.8	885.6
24196.1	55°	19419.6	12138.4	2299.4	1176.2	1042.5	1028.6	991.7	924.9	855.7	816.5
25522.3	57.5°	20291.4	12452.1	1953.5	1079.4	975.6	980.2	924.9	864.9	800.3	758.8
27309.7	60°	21451.5	12871.8	1602.9	989.4	904.1	917.9	858.0	814.1	733.4	680.4
30374.8	62.5°	23305.8	13524.5	1273.1	878.7	821.1	825.7	800.3	747.3	650.4	588.1
32646.6	65°	24777.3	13284.7	1003.3	758.8	726.5	733.4	733.4	675.8	572.0	500.5
32768.9	67.5°	24611.2	11375.0	800.3	641.2	636.6	641.2	657.3	608.9	507.4	449.7
30273.4	70°	22671.6	9047.9	641.2	532.8	553.5	542.0	588.1	555.8	456.7	399.0
23469.6	72.5°	18499.4	6517.8	488.9	440.5	424.4	442.8	530.5	500.5	380.6	316.0
12431.3	75°	10809.9	3478.0	364.4	348.3	306.7	369.0	470.5	426.7	290.6	232.9
3810.1	77.5°	3519.5	1213.1	267.5	256.0	228.3	297.5	401.3	359.8	237.6	184.5
1116.3	80°	943.3	366.7	182.2	168.4	147.6	221.4	318.3	286.0	170.7	119.9
479.7	82.5°	378.2	154.5	106.1	94.6	80.7	152.2	251.4	230.6	126.9	76.1
149.9	85°	122.2	50.7	39.2	30.0	36.9	94.6	149.9	156.8	89.9	39.2
23.1	87.5°	16.1	6.9	6.9	9.2	6.9	16.1	46.1	43.8	25.4	4.6
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°
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5306.9
4679.6
3787.1
2929.1
2391.7
2195.7
2128.8
2052.7
1946.6
1810.5
1662.9
1519.9
1406.9
1330.8
1273.1
1277.7
1236.2
1141.7
1049.4
971.0
917.9
881.0
811.8
754.2
673.5
583.5
493.6
440.5
392.1
309.1
226.0
177.6
117.6
76.1
30.0
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