

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: P853094

Luminaire Tested: **GLAN-SB8C-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30933 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

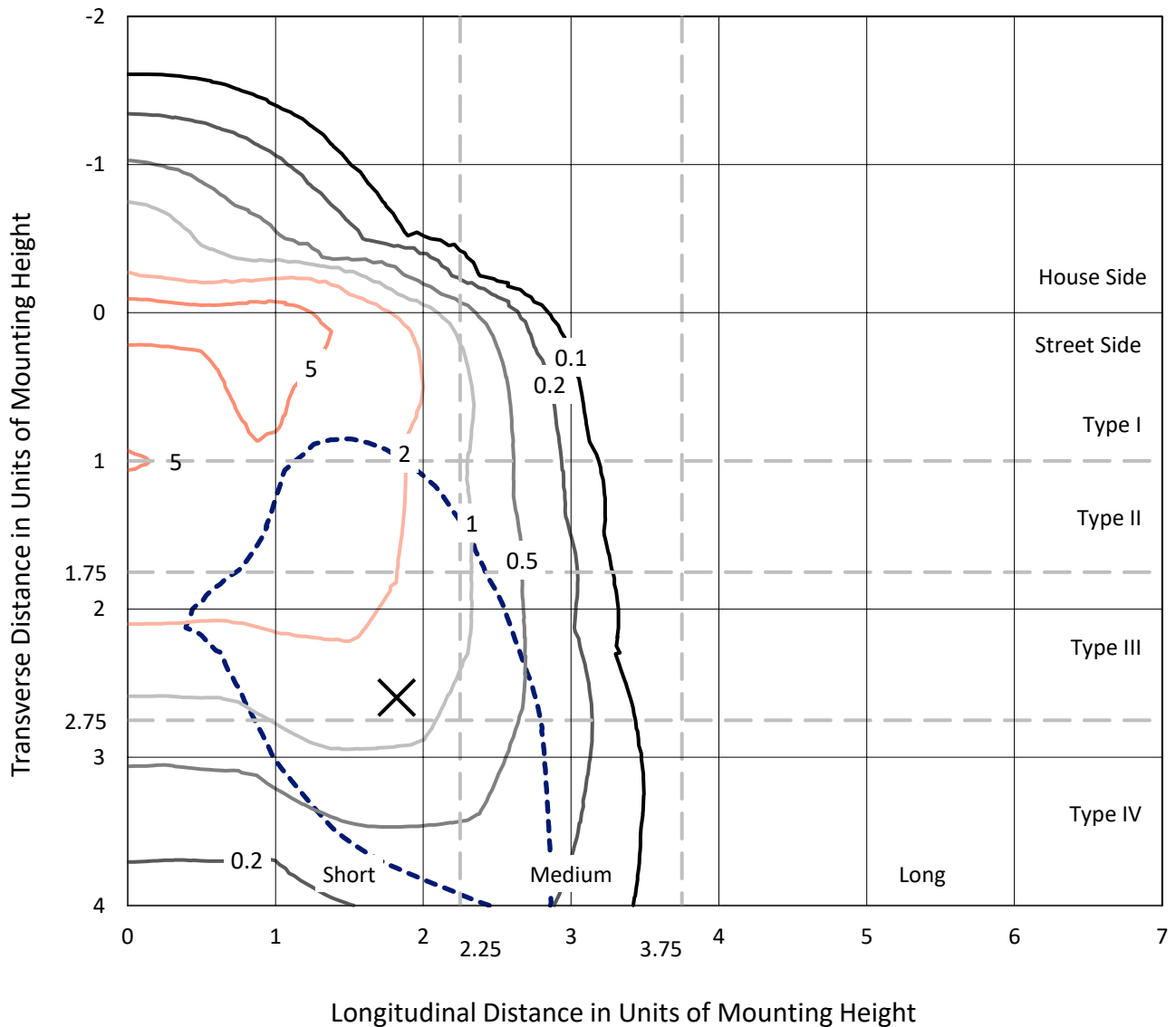
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

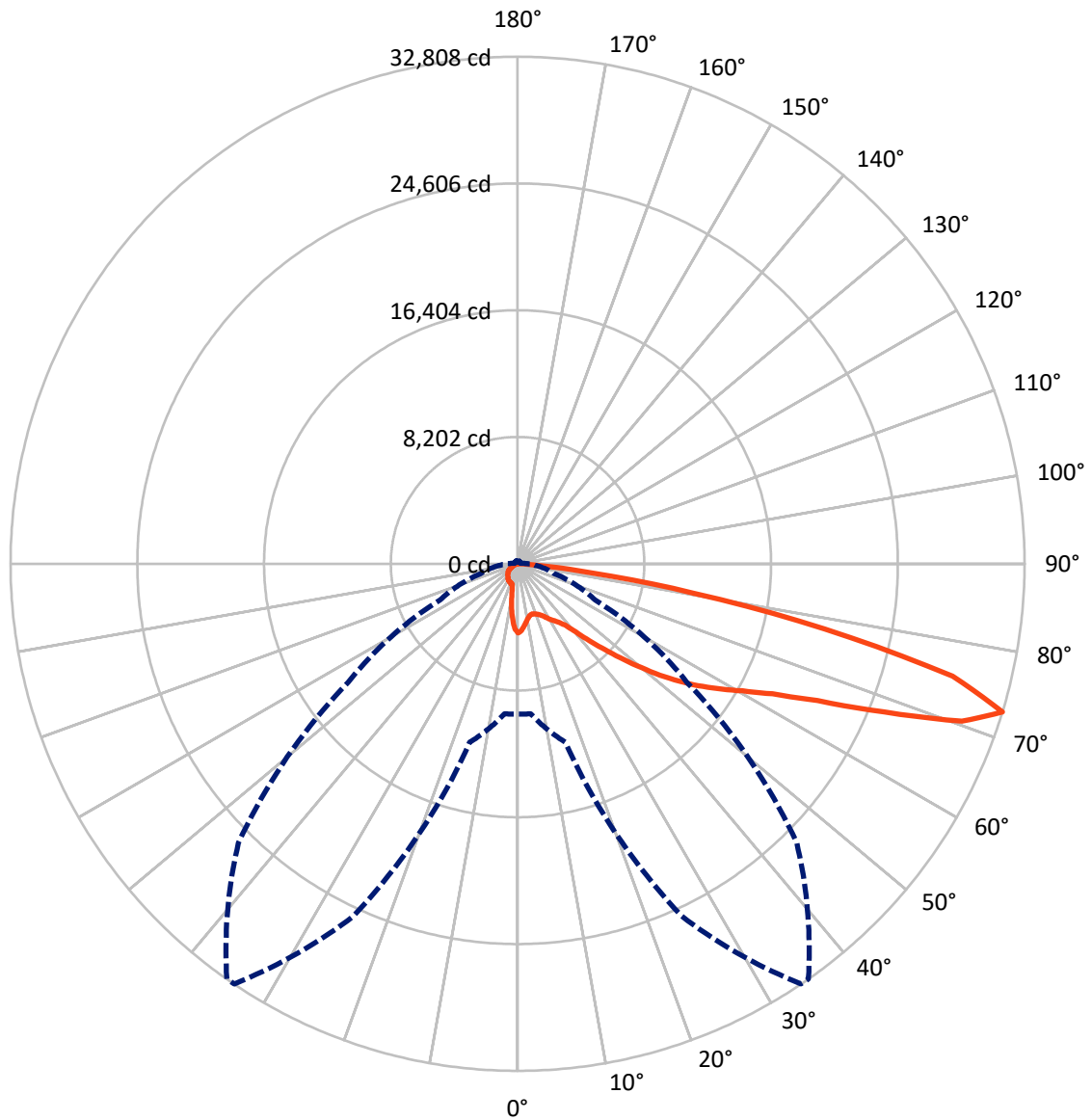
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3481.4	0.0	3481.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	27451.6	0.0	27451.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	30933.0	0.0	30933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.4	1.2
10°-20°	861.8	2.8
20°-30°	1400.0	4.5
30°-40°	2335.9	7.6
40°-50°	4419.6	14.3
50°-60°	7022.8	22.7
60°-70°	8687.7	28.1
70°-80°	5400.3	17.5
80°-90°	436.4	1.4
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°	30933.0	100.0
0°-180°	30933.0	100.0

Coefficient of Utilization

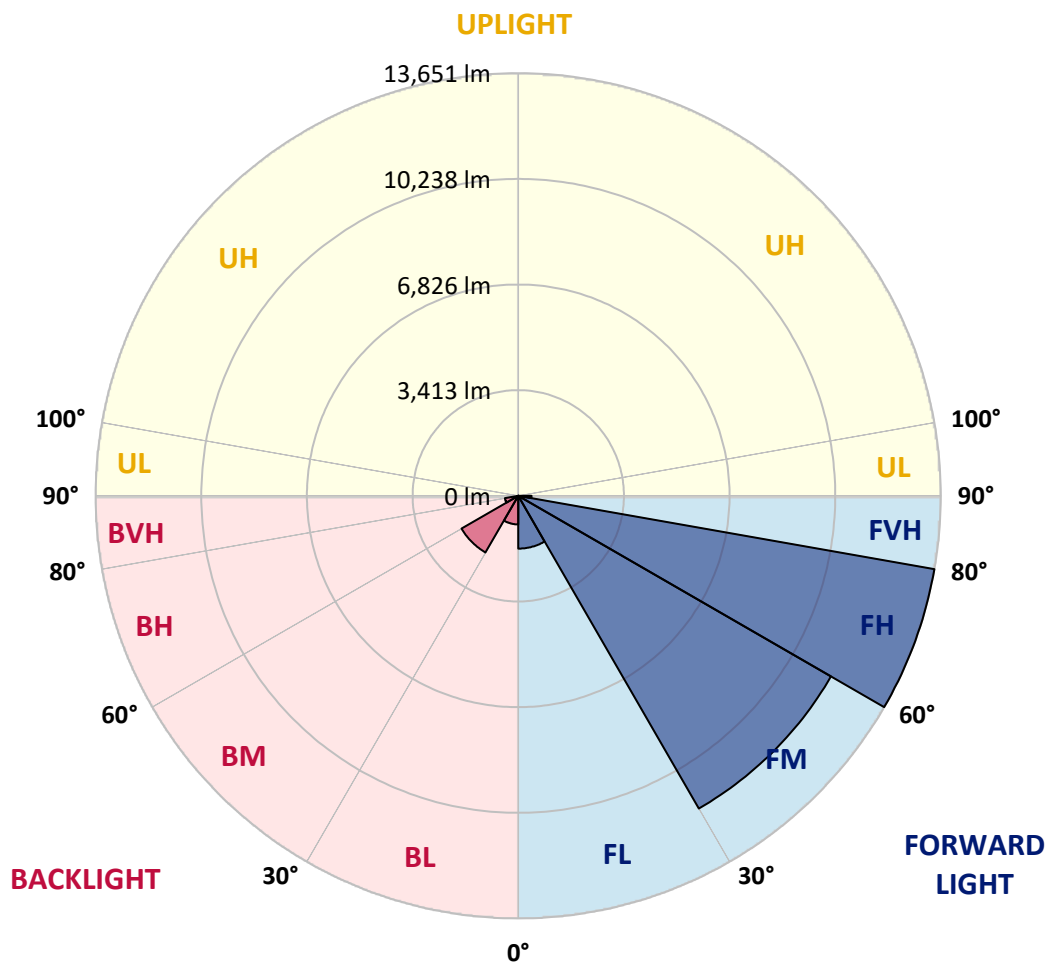


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1705.2	5.5			
FM (30°-60°)	11664.8	37.7			
FH (60°-80°)	13651.1	44.1			G5
FVH (80°-90°)	430.5	1.4			G3/500
BL (0°-30°)	925.1	3.0	B2/1000		
BM (30°-60°)	2113.5	6.8	B2/2500		
BH (60°-80°)	436.9	1.4	B1/500		G1/500
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2
2.5°	4283.8	4320.0	4326.8	4338.2	4338.2	4351.8	4374.4	4406.2	4458.3	4485.5
5°	3948.3	3975.5	4009.5	4036.7	4088.8	4095.6	4184.0	4270.2	4390.3	4481.0
7.5°	3610.6	3642.3	3687.7	3753.4	3821.4	3841.8	3975.5	4120.6	4311.0	4481.0
10°	3372.6	3374.9	3415.7	3481.4	3590.2	3615.1	3778.3	3984.6	4222.6	4453.8
12.5°	3238.9	3254.8	3272.9	3322.8	3427.0	3442.9	3617.4	3859.9	4134.2	4437.9
15°	3238.9	3250.2	3261.6	3286.5	3370.4	3384.0	3538.1	3780.6	4088.8	4444.7
17.5°	3272.9	3291.0	3282.0	3311.4	3399.8	3408.9	3544.9	3757.9	4086.6	4487.8
20°	3354.5	3368.1	3350.0	3368.1	3456.5	3474.6	3615.1	3801.0	4125.1	4562.6
22.5°	3483.7	3490.5	3447.4	3461.0	3551.7	3574.3	3737.5	3923.4	4218.0	4682.7
25°	3646.9	3660.5	3594.7	3610.6	3696.7	3723.9	3912.1	4107.0	4365.4	4848.1
27.5°	3835.0	3841.8	3785.1	3782.9	3893.9	3932.5	4122.8	4333.6	4562.6	5056.7
30°	4050.3	4070.7	4016.3	4007.3	4147.8	4179.5	4367.6	4612.4	4852.7	5369.4
32.5°	4220.3	4236.2	4204.4	4227.1	4369.9	4394.8	4664.6	5006.8	5308.3	5813.7
35°	4465.1	4474.2	4401.6	4442.4	4605.6	4669.1	5070.3	5559.8	5881.7	6371.3
37.5°	5351.3	5351.3	5043.1	4841.3	4997.7	5054.4	5625.6	6255.7	6588.9	7119.2
40°	6577.5	6557.1	6106.1	5693.6	5673.2	5784.2	6416.6	7132.8	7502.3	8016.8
42.5°	7885.3	7853.6	7239.3	6831.4	6763.4	6801.9	7330.0	8214.0	8590.2	9111.5
45°	9045.8	9036.7	8474.6	7926.1	7803.7	7926.1	8470.1	9478.7	9748.4	10296.9
47.5°	10018.1	10018.1	9607.9	9249.8	9186.3	9258.8	10013.6	10881.7	10856.8	11559.4
50°	11137.8	11128.7	10738.9	10584.8	10650.5	10752.5	11790.6	12359.5	12003.6	12799.2
52.5°	11922.0	11976.4	11842.7	11817.8	12153.2	12330.0	13594.7	13805.5	13030.4	13975.5
55°	12543.1	12606.5	12760.7	12935.2	13581.1	13812.3	15342.3	15176.8	13889.4	14995.5
57.5°	13422.5	13331.8	13569.8	13914.3	14959.2	15238.0	17035.4	16471.0	14580.7	15822.8
60°	14490.0	14503.6	14544.4	14979.6	16335.0	16693.1	18703.5	17694.9	15024.9	16330.5
62.5°	15772.9	15793.3	15877.2	16545.8	18182.2	18520.0	20480.5	18696.7	15228.9	16187.7
65°	15684.5	15770.6	16706.7	18993.7	20990.5	21323.7	22554.4	19399.4	14920.7	14882.1
67.5°	14288.3	14428.8	15995.0	21917.5	25224.4	25596.1	25061.2	19537.6	13590.2	11573.0
70°	12456.9	12506.8	14390.3	24546.7	30126.9	30503.2	27305.1	18016.8	10312.8	6455.1
72.5°	9728.0	9739.3	11949.2	25156.4	32787.9	32808.3	25544.0	13374.9	5546.2	2479.6
75°	6949.2	6881.2	8003.2	20401.2	28846.3	29077.5	19150.1	6273.8	2119.2	1171.8
77.5°	3726.2	3801.0	4528.6	12098.8	19927.5	20321.9	10448.8	1808.7	1078.9	797.8
80°	1151.4	1214.9	1856.3	5539.4	11287.4	11525.4	3873.5	804.6	752.5	568.9
82.5°	362.6	376.2	865.8	2327.7	4685.0	4793.7	1121.9	455.6	514.5	376.2
85°	104.3	106.5	385.3	868.1	1158.2	1180.9	315.0	176.8	294.7	233.5
87.5°	11.3	36.3	145.1	145.1	102.0	99.7	34.0	38.5	83.9	29.5
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°
4483.2	0°	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2	4483.2
4503.6	2.5°	4492.3	4494.6	4465.1	4415.2	4360.8	4315.5	4258.8	4213.5	4181.8	4172.7
4544.4	5°	4524.0	4508.2	4424.3	4272.4	4091.1	3934.7	3760.2	3621.9	3531.3	3492.7
4587.5	7.5°	4571.6	4526.3	4342.7	4043.5	3696.7	3388.5	3075.7	2833.2	2679.1	2602.0
4628.3	10°	4612.4	4521.8	4206.7	3712.6	3182.2	2715.3	2293.7	2001.4	1838.2	1761.1
4675.9	12.5°	4651.0	4519.5	4029.9	3320.5	2602.0	2030.8	1638.7	1493.7	1448.3	1432.5
4752.9	15°	4723.5	4526.3	3807.8	2871.7	2024.0	1534.5	1391.7	1389.4	1398.5	1393.9
4870.8	17.5°	4823.2	4533.1	3556.2	2395.7	1561.7	1353.1	1346.3	1366.7	1380.3	1373.5
5018.1	20°	4952.4	4560.3	3288.8	1924.3	1341.8	1307.8	1323.7	1341.8	1353.1	1341.8
5215.3	22.5°	5133.7	4607.9	2996.4	1545.8	1271.5	1280.6	1294.2	1314.6	1325.9	1310.1
5466.9	25°	5355.8	4682.7	2708.5	1344.1	1237.5	1248.9	1269.3	1291.9	1305.5	1289.7
5784.2	27.5°	5643.7	4802.8	2443.3	1298.7	1203.5	1210.3	1239.8	1273.8	1291.9	1271.5
6235.3	30°	6060.7	5000.0	2214.4	1319.1	1183.1	1167.3	1208.1	1255.7	1276.1	1257.9
6849.5	32.5°	6613.8	5278.8	2073.9	1350.9	1174.1	1117.4	1155.9	1217.1	1251.1	1239.8
7651.9	35°	7339.1	5702.6	2019.5	1387.1	1167.3	1065.3	1092.5	1158.2	1217.1	1228.5
8662.7	37.5°	8218.5	6291.9	2035.4	1403.0	1146.9	1022.2	1035.8	1092.5	1169.5	1205.8
9800.5	40°	9218.0	6978.7	2126.0	1387.1	1124.2	985.9	988.2	1031.3	1099.3	1153.7
11024.5	42.5°	10249.3	7781.1	2293.7	1328.2	1103.8	954.2	947.4	976.9	1022.2	1060.7
12246.2	45°	11230.7	8606.1	2459.2	1246.6	1078.9	922.5	906.6	918.0	927.0	942.9
13436.1	47.5°	12087.5	9186.3	2411.6	1171.8	1044.9	886.2	859.0	854.5	827.3	825.0
14499.1	50°	12679.1	9313.2	2141.9	1097.0	995.0	845.4	802.4	775.2	727.6	704.9
15294.7	52.5°	12867.2	8812.3	1749.8	1022.2	913.4	791.0	729.8	686.8	627.8	607.4
15752.5	55°	12617.9	7830.9	1398.5	931.6	800.1	718.5	650.5	593.8	546.2	521.3
15802.4	57.5°	12008.2	6582.1	1106.1	825.0	680.0	636.9	568.9	512.2	471.4	446.5
15249.3	60°	10997.3	5226.7	874.9	698.1	580.2	548.5	478.2	442.0	405.7	376.2
13821.4	62.5°	9462.8	3730.7	686.8	553.0	485.0	448.8	408.0	380.8	337.7	296.9
11253.4	65°	7384.4	2282.4	530.4	405.7	389.8	371.7	346.8	321.8	269.7	228.9
7341.3	67.5°	4657.8	1081.1	378.5	306.0	308.3	299.2	287.9	267.5	228.9	192.7
3288.8	70°	2051.2	523.6	249.3	233.5	228.9	228.9	238.0	231.2	194.9	160.9
1142.3	72.5°	698.1	281.1	185.9	176.8	165.5	163.2	199.5	192.7	156.4	124.7
568.9	75°	364.9	188.1	136.0	126.9	99.7	120.1	158.7	149.6	111.1	81.6
376.2	77.5°	238.0	133.7	92.9	81.6	56.7	79.3	117.9	104.3	65.7	40.8
247.1	80°	149.6	88.4	54.4	38.5	27.2	43.1	63.5	45.3	24.9	9.1
145.1	82.5°	79.3	45.3	20.4	13.6	11.3	13.6	15.9	11.3	4.5	0.0
74.8	85°	31.7	15.9	6.8	4.5	2.3	0.0	4.5	2.3	0.0	0.0
13.6	87.5°	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
4483.2
4188.6
3506.3
2613.3
1763.4
1427.9
1391.7
1371.3
1339.5
1307.8
1287.4
1271.5
1255.7
1239.8
1228.5
1214.9
1171.8
1076.6
951.9
822.8
707.2
605.2
521.3
442.0
369.4
290.1
222.1
188.1
154.1
117.9
74.8
36.3
6.8
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