

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: P852562

Luminaire Tested: **GLAN-SB4D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852562
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-SB4D-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 900mA 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: 29828 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

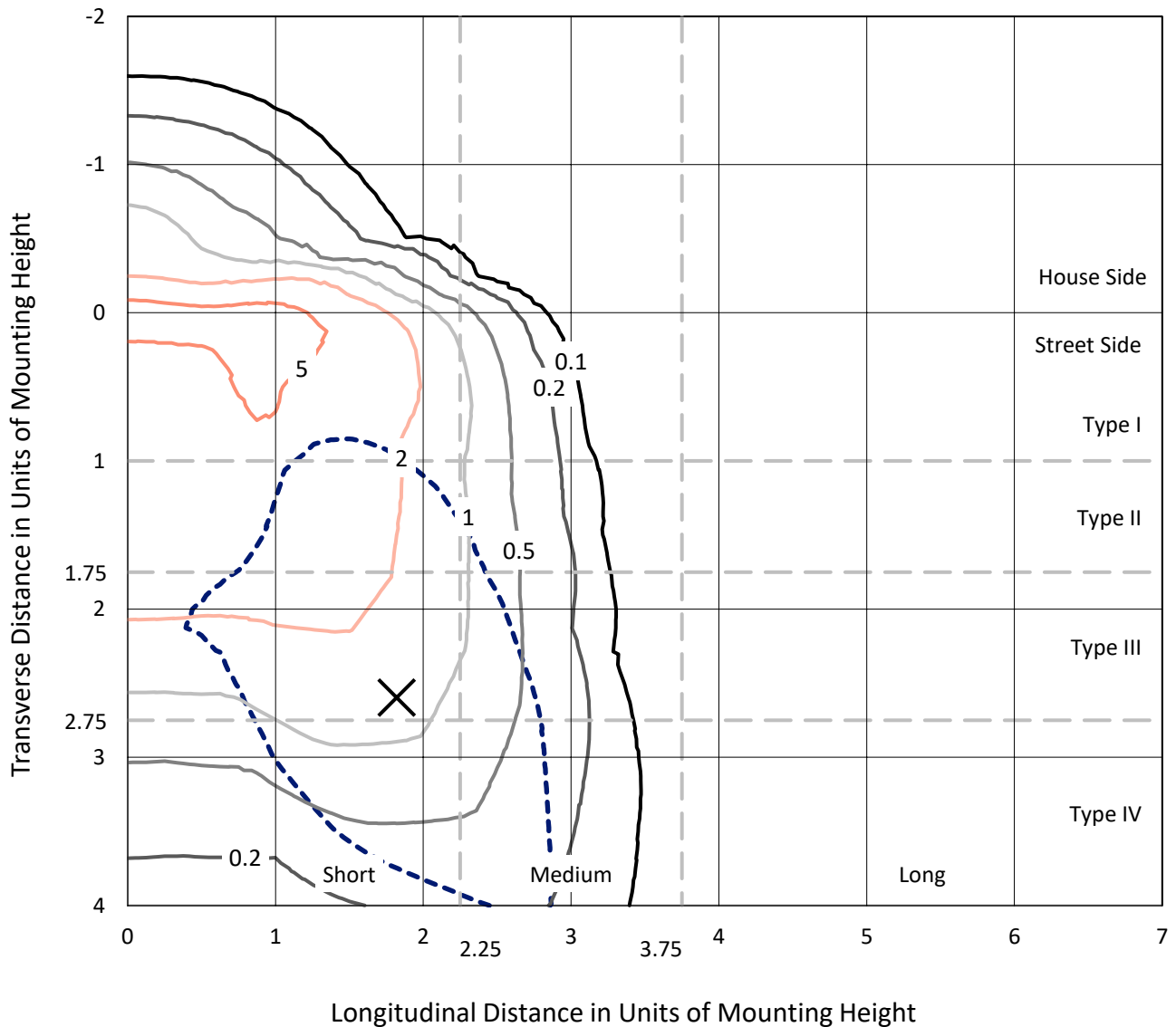
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

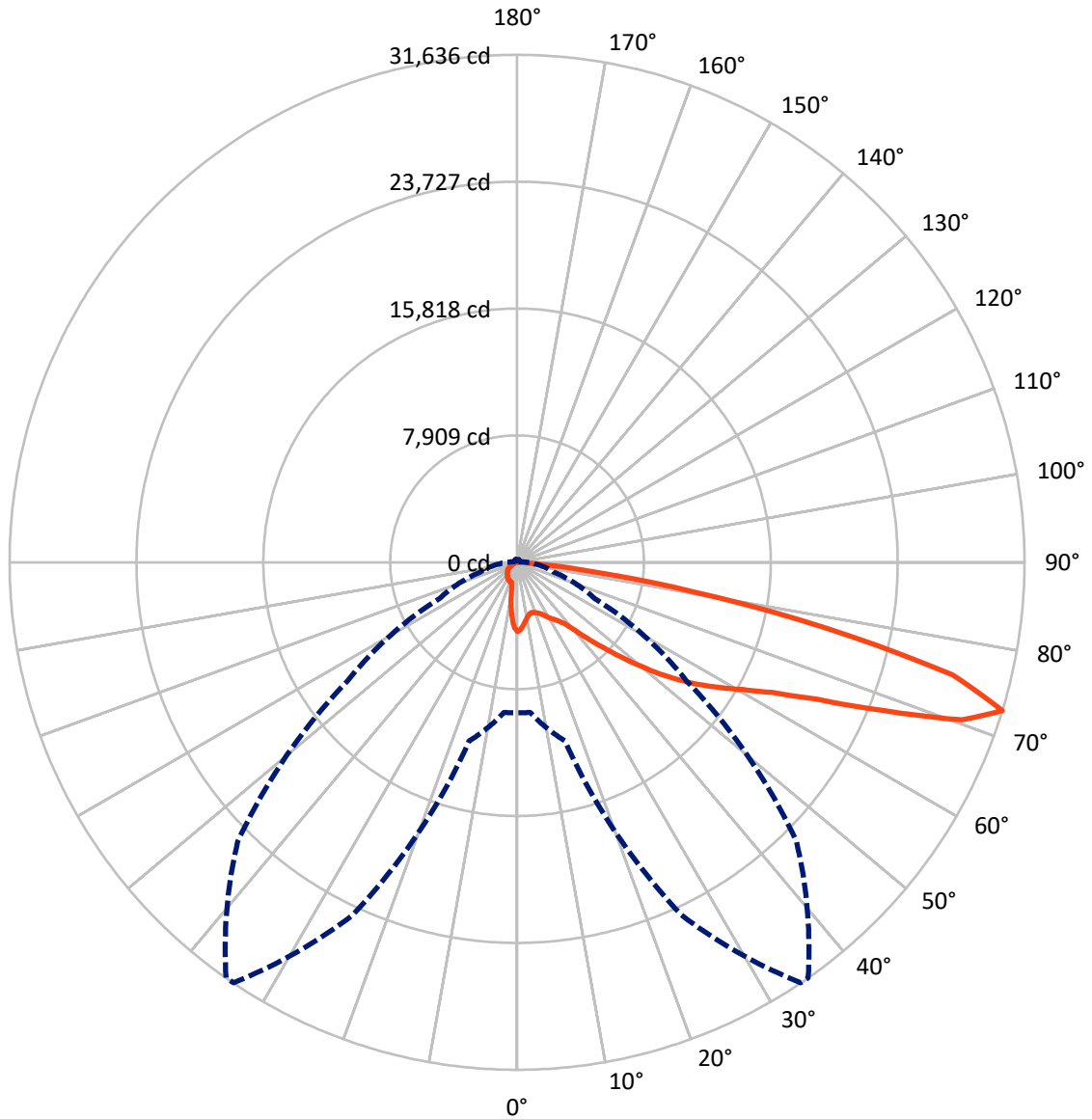
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	3357.0	0.0	3357.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	26471.0	0.0	26471.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	29828.0	0.0	29828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.2	1.2
10°-20°	831.0	2.8
20°-30°	1350.0	4.5
30°-40°	2252.5	7.6
40°-50°	4261.8	14.3
50°-60°	6771.9	22.7
60°-70°	8377.3	28.1
70°-80°	5207.4	17.5
80°-90°	420.8	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°	29828.0	100.0
0°-180°	29828.0	100.0

Coefficient of Utilization



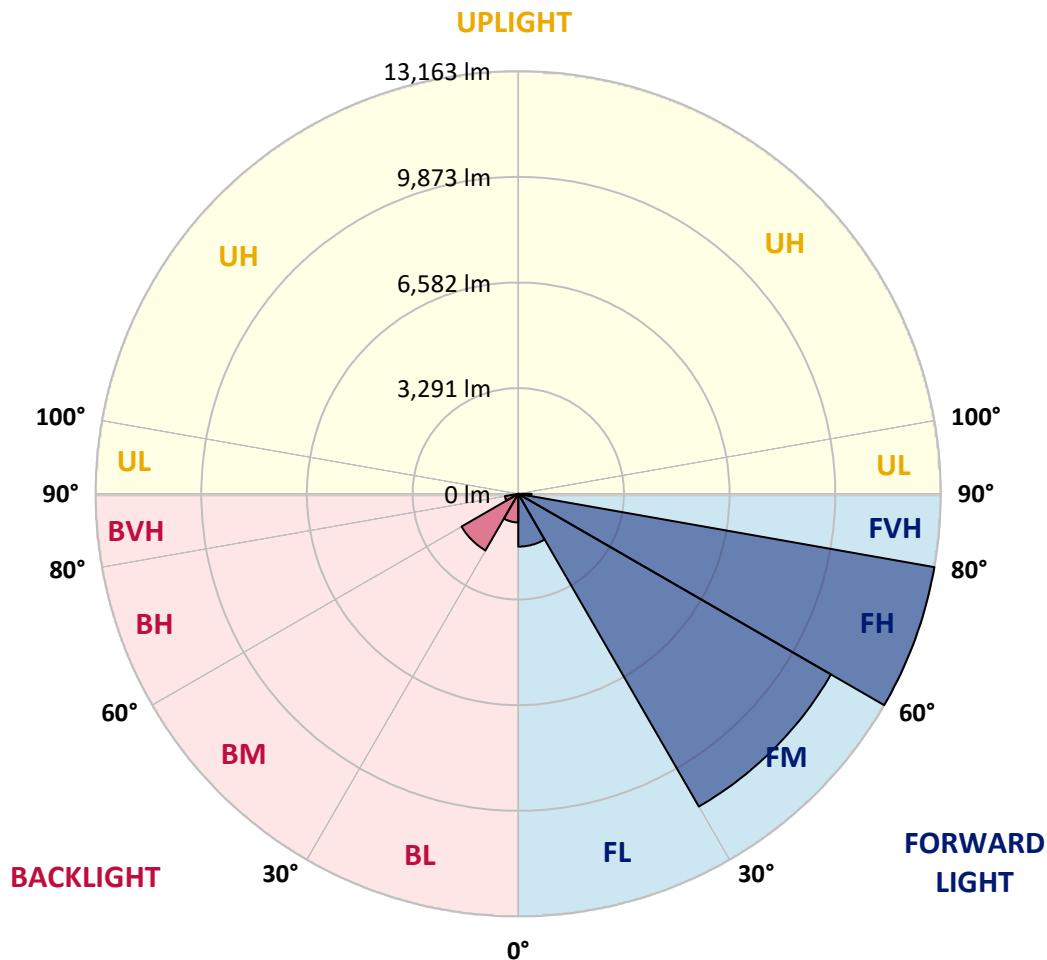
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1644.3	5.5			
FM	(30°-60°)	11248.1	37.7			
FH	(60°-80°)	13163.5	44.1			G5
FVH	(80°-90°)	415.1	1.4			G3/500
BL	(0°-30°)	892.0	3.0	B2/1000		
BM	(30°-60°)	2038.0	6.8	B2/2500		
BH	(60°-80°)	421.2	1.4	B1/500		G1/500
BVH	(80°-90°)	5.7	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°	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1
2.5°	4130.7	4165.7	4172.3	4183.2	4183.2	4196.3	4218.2	4248.8	4299.0	4325.3
5°	3807.3	3833.5	3866.3	3892.5	3942.8	3949.3	4034.6	4117.6	4233.5	4320.9
7.5°	3481.6	3512.2	3555.9	3619.3	3684.9	3704.6	3833.5	3973.4	4157.0	4320.9
10°	3252.1	3254.3	3293.7	3357.1	3462.0	3486.0	3643.4	3842.2	4071.7	4294.7
12.5°	3123.2	3138.5	3156.0	3204.1	3304.6	3319.9	3488.2	3722.0	3986.5	4279.4
15°	3123.2	3134.1	3145.0	3169.1	3250.0	3263.1	3411.7	3645.5	3942.8	4285.9
17.5°	3156.0	3173.5	3164.7	3193.1	3278.4	3287.1	3418.2	3623.7	3940.6	4327.4
20°	3234.7	3247.8	3230.3	3247.8	3333.0	3350.5	3486.0	3665.2	3977.8	4399.6
22.5°	3359.2	3365.8	3324.3	3337.4	3424.8	3446.7	3604.0	3783.2	4067.4	4515.4
25°	3516.6	3529.7	3466.3	3481.6	3564.7	3590.9	3772.3	3960.3	4209.4	4675.0
27.5°	3698.0	3704.6	3649.9	3647.7	3754.8	3792.0	3975.6	4178.8	4399.6	4876.0
30°	3905.6	3925.3	3872.8	3864.1	3999.6	4030.2	4211.6	4447.7	4679.3	5177.6
32.5°	4069.5	4084.8	4054.3	4076.1	4213.8	4237.8	4497.9	4827.9	5118.6	5606.0
35°	4305.6	4314.3	4244.4	4283.7	4441.1	4502.3	4889.1	5361.2	5671.6	6143.7
37.5°	5160.2	5160.2	4862.9	4668.4	4819.2	4873.8	5424.6	6032.2	6353.5	6864.9
40°	6342.6	6322.9	5888.0	5490.2	5470.5	5577.6	6187.4	6878.0	7234.3	7730.4
42.5°	7603.6	7573.0	6980.7	6587.3	6521.8	6558.9	7068.2	7920.5	8283.3	8786.0
45°	8722.6	8713.9	8171.9	7643.0	7525.0	7643.0	8167.5	9140.1	9400.2	9929.1
47.5°	9660.3	9660.3	9264.7	8919.4	8858.2	8928.1	9655.9	10493.0	10468.9	11146.5
50°	10739.9	10731.2	10355.3	10206.7	10270.0	10368.4	11369.4	11918.0	11574.8	12342.0
52.5°	11496.2	11548.6	11419.7	11395.6	11719.1	11889.6	13109.1	13312.4	12564.9	13476.3
55°	12095.0	12156.2	12304.8	12473.1	13096.0	13318.9	14794.2	14634.6	13393.2	14459.8
57.5°	12943.0	12855.6	13085.1	13417.3	14424.8	14693.7	16426.8	15882.6	14059.8	15257.5
60°	13972.4	13985.5	14024.9	14444.5	15751.5	16096.8	18035.4	17062.8	14488.2	15747.1
62.5°	15209.5	15229.1	15310.0	15954.7	17532.7	17858.4	19748.9	18028.8	14684.9	15609.4
65°	15124.2	15207.3	16109.9	18315.2	20240.7	20561.9	21748.7	18706.4	14387.7	14350.5
67.5°	13777.9	13913.4	15423.6	21134.6	24323.3	24681.8	24166.0	18839.7	13104.7	11159.6
70°	12011.9	12060.0	13876.2	23669.8	29050.7	29413.5	26329.7	17373.2	9944.4	6224.5
72.5°	9380.5	9391.4	11522.4	24257.8	31616.6	31636.3	24631.5	12897.1	5348.1	2391.0
75°	6701.0	6635.4	7717.3	19672.4	27815.9	28038.8	18466.0	6049.7	2043.5	1129.9
77.5°	3593.1	3665.2	4366.8	11666.6	19215.6	19595.9	10075.5	1744.1	1040.3	769.3
80°	1110.3	1171.5	1790.0	5341.6	10884.2	11113.7	3735.2	775.9	725.6	548.6
82.5°	349.7	362.8	834.9	2244.6	4517.6	4622.5	1081.9	439.3	496.1	362.8
85°	100.5	102.7	371.5	837.1	1116.8	1138.7	303.8	170.5	284.1	225.1
87.5°	10.9	35.0	139.9	139.9	98.4	96.2	32.8	37.2	80.9	28.4
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°
4323.1	0°	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1	4323.1
4342.7	2.5°	4331.8	4334.0	4305.6	4257.5	4205.1	4161.3	4106.7	4063.0	4032.4	4023.7
4382.1	5°	4362.4	4347.1	4266.3	4119.8	3945.0	3794.2	3625.9	3492.6	3405.1	3368.0
4423.6	7.5°	4408.3	4364.6	4187.6	3899.1	3564.7	3267.4	2965.8	2732.0	2583.4	2509.0
4463.0	10°	4447.7	4360.2	4056.4	3580.0	3068.6	2618.3	2211.8	1929.9	1772.5	1698.2
4508.9	12.5°	4484.8	4358.0	3886.0	3201.9	2509.0	1958.3	1580.2	1440.3	1396.6	1381.3
4583.2	15°	4554.7	4364.6	3671.8	2769.1	1951.7	1479.6	1341.9	1339.8	1348.5	1344.1
4696.8	17.5°	4650.9	4371.2	3429.2	2310.2	1505.9	1304.8	1298.2	1317.9	1331.0	1324.5
4838.9	20°	4775.5	4397.4	3171.3	1855.6	1293.9	1261.1	1276.4	1293.9	1304.8	1293.9
5029.0	22.5°	4950.3	4443.3	2889.3	1490.6	1226.1	1234.9	1248.0	1267.6	1278.6	1263.3
5271.6	25°	5164.5	4515.4	2611.8	1296.0	1193.3	1204.3	1223.9	1245.8	1258.9	1243.6
5577.6	27.5°	5442.1	4631.2	2356.1	1252.3	1160.5	1167.1	1195.5	1228.3	1245.8	1226.1
6012.5	30°	5844.2	4821.4	2135.3	1272.0	1140.9	1125.6	1164.9	1210.8	1230.5	1213.0
6604.8	32.5°	6377.5	5090.2	1999.8	1302.6	1132.1	1077.5	1114.6	1173.7	1206.4	1195.5
7378.5	35°	7076.9	5498.9	1947.4	1337.6	1125.6	1027.2	1053.4	1116.8	1173.7	1184.6
8353.3	37.5°	7924.9	6067.2	1962.7	1352.9	1105.9	985.7	998.8	1053.4	1127.8	1162.7
9450.4	40°	8888.8	6729.4	2050.1	1337.6	1084.0	950.7	952.9	994.4	1060.0	1112.5
10630.7	42.5°	9883.2	7503.1	2211.8	1280.7	1064.4	920.1	913.6	942.0	985.7	1022.9
11808.7	45°	10829.5	8298.6	2371.4	1202.1	1040.3	889.5	874.2	885.2	893.9	909.2
12956.1	47.5°	11655.7	8858.2	2325.5	1129.9	1007.6	854.6	828.3	824.0	797.7	795.6
13981.2	50°	12226.1	8980.5	2065.4	1057.8	959.5	815.2	773.7	747.5	701.6	679.7
14748.3	52.5°	12407.5	8497.5	1687.3	985.7	880.8	762.8	703.8	662.2	605.4	585.7
15189.8	55°	12167.1	7551.2	1348.5	898.3	771.5	692.8	627.3	572.6	526.7	502.7
15237.9	57.5°	11579.2	6346.9	1066.6	795.6	655.7	614.1	548.6	493.9	454.6	430.6
14704.6	60°	10604.4	5039.9	843.6	673.2	559.5	528.9	461.2	426.2	391.2	362.8
13327.7	62.5°	9124.8	3597.5	662.2	533.3	467.7	432.7	393.4	367.2	325.7	286.3
10851.4	65°	7120.6	2200.9	511.4	391.2	375.9	358.4	334.4	310.4	260.1	220.7
7079.1	67.5°	4491.4	1042.5	365.0	295.1	297.2	288.5	277.6	257.9	220.7	185.8
3171.3	70°	1977.9	504.9	240.4	225.1	220.7	220.7	229.5	222.9	188.0	155.2
1101.5	72.5°	673.2	271.0	179.2	170.5	159.5	157.4	192.3	185.8	150.8	120.2
548.6	75°	351.9	181.4	131.1	122.4	96.2	115.8	153.0	144.2	107.1	78.7
362.8	77.5°	229.5	128.9	89.6	78.7	54.6	76.5	113.7	100.5	63.4	39.3
238.2	80°	144.2	85.2	52.5	37.2	26.2	41.5	61.2	43.7	24.0	8.7
139.9	82.5°	76.5	43.7	19.7	13.1	10.9	13.1	15.3	10.9	4.4	0.0
72.1	85°	30.6	15.3	6.6	4.4	2.2	0.0	4.4	2.2	0.0	0.0
13.1	87.5°	10.9	2.2	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°
4323.1
4039.0
3381.1
2520.0
1700.4
1376.9
1341.9
1322.3
1291.7
1261.1
1241.4
1226.1
1210.8
1195.5
1184.6
1171.5
1129.9
1038.2
917.9
793.4
681.9
583.5
502.7
426.2
356.2
279.8
214.2
181.4
148.6
113.7
72.1
35.0
6.6
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