

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: P852902

Luminaire Tested: **GLAN-SB7B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852902
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-SB7B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA 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: 29289 lumens
Efficiency: N/A
Efficacy: 114.1 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

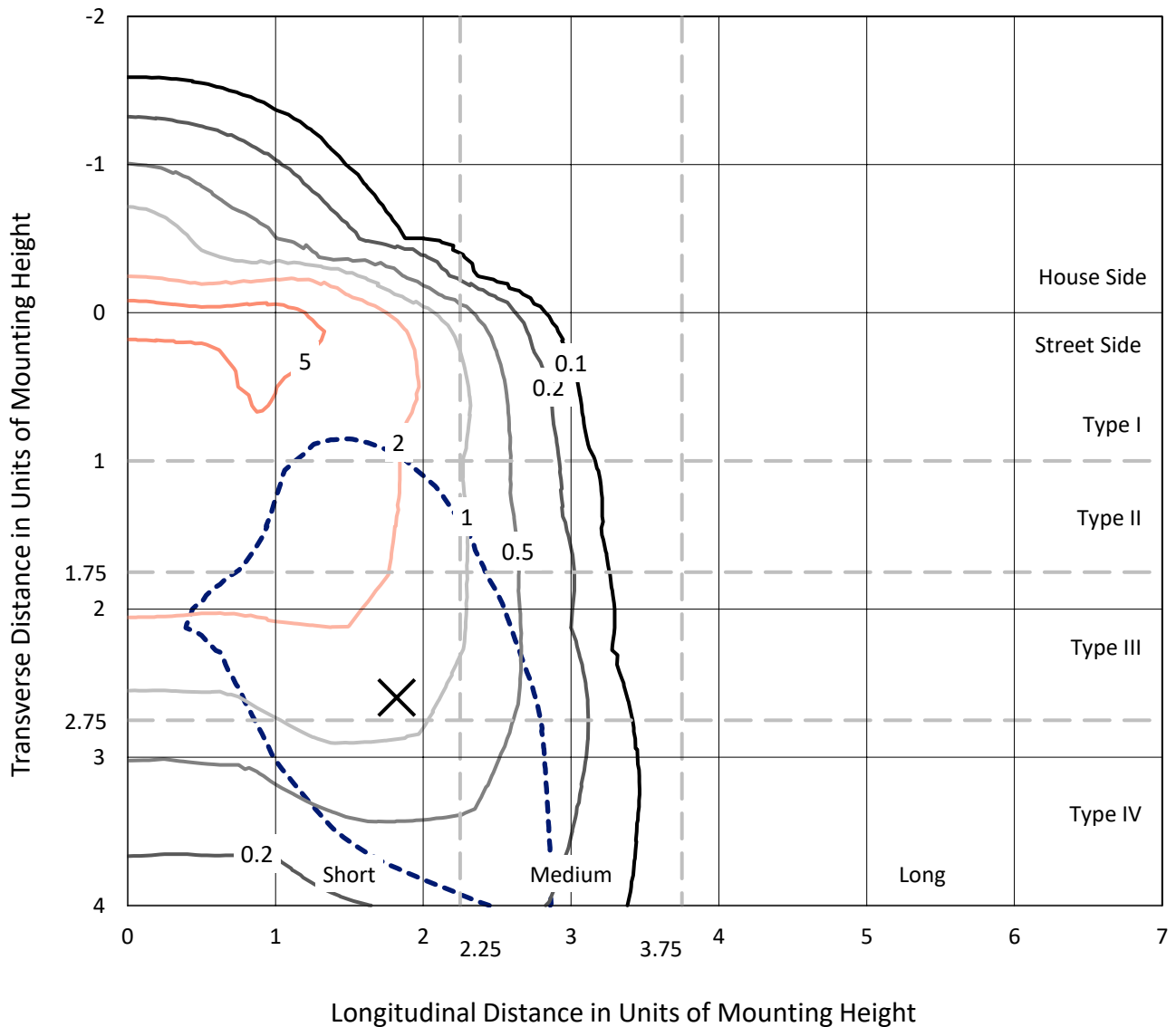
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

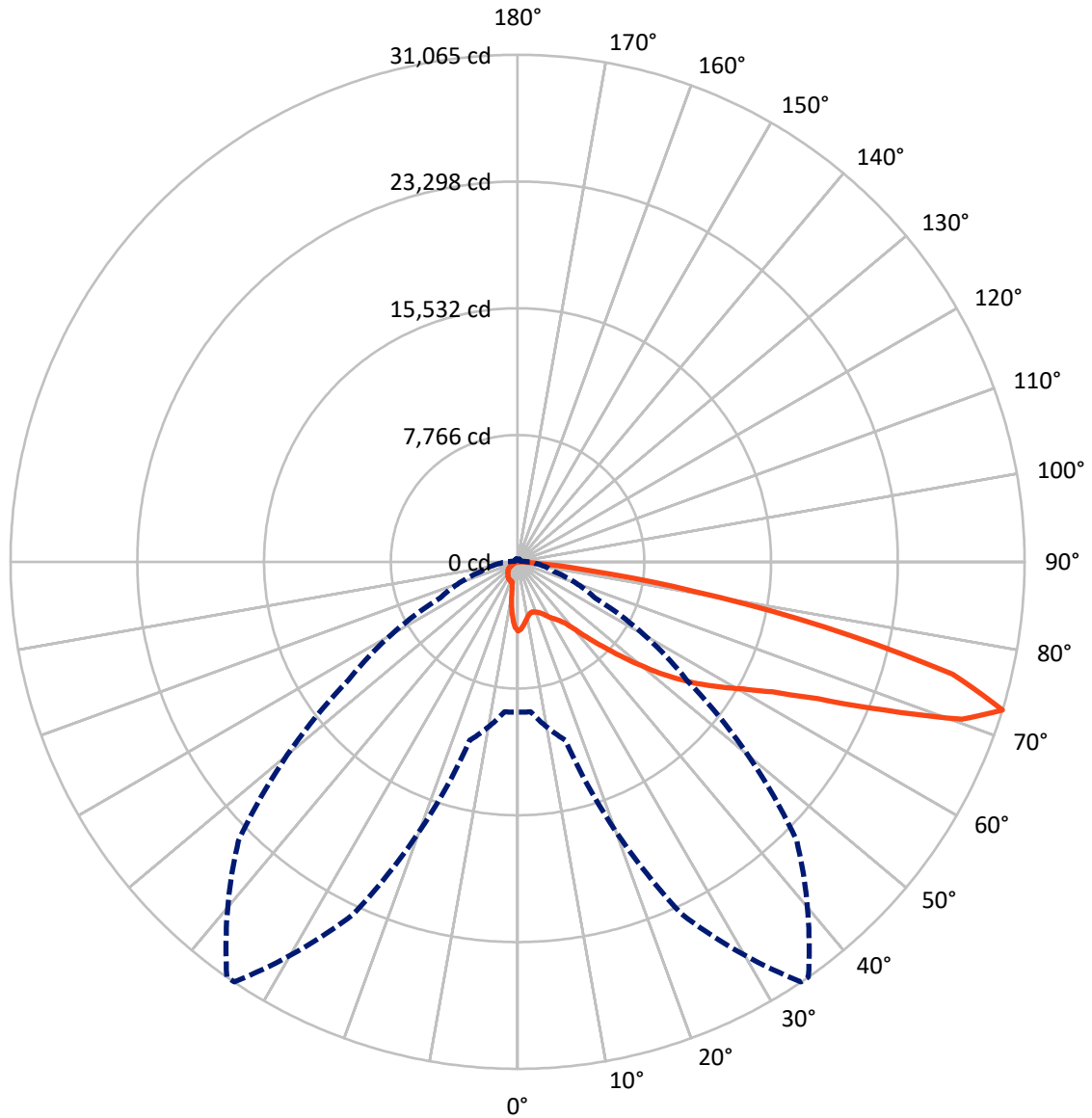
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	3296.3	0.0	3296.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	25992.7	0.0	25992.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	29289.0	0.0	29289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.8	1.2
10°-20°	816.0	2.8
20°-30°	1325.6	4.5
30°-40°	2211.8	7.6
40°-50°	4184.7	14.3
50°-60°	6649.5	22.7
60°-70°	8225.9	28.1
70°-80°	5113.3	17.5
80°-90°	413.2	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°	29289.0	100.0
0°-180°	29289.0	100.0

Coefficient of Utilization

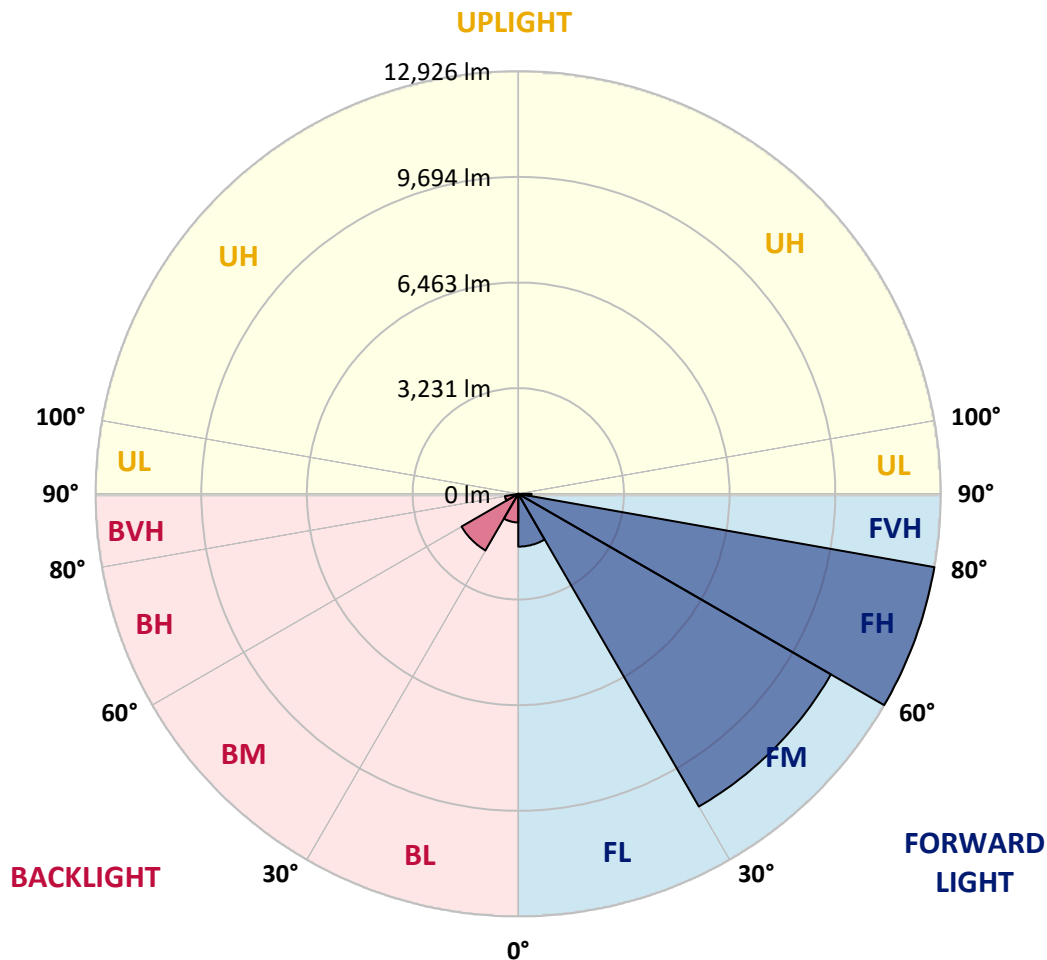


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.6	5.5			
FM (30°-60°)	11044.9	37.7			
FH (60°-80°)	12925.6	44.1			G5
FVH (80°-90°)	407.6	1.4			G3/500
BL (0°-30°)	875.9	3.0	B2/1000		
BM (30°-60°)	2001.2	6.8	B2/2500		
BH (60°-80°)	413.6	1.4	B1/500		G1/500
BVH (80°-90°)	5.6	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°	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0
2.5°	4056.1	4090.4	4096.9	4107.6	4107.6	4120.5	4141.9	4172.0	4221.4	4247.1
5°	3738.5	3764.2	3796.4	3822.2	3871.5	3878.0	3961.7	4043.2	4157.0	4242.8
7.5°	3418.7	3448.8	3491.7	3553.9	3618.3	3637.6	3764.2	3901.6	4081.9	4242.8
10°	3193.4	3195.5	3234.2	3296.4	3399.4	3423.0	3577.5	3772.8	3998.2	4217.1
12.5°	3066.8	3081.8	3098.9	3146.2	3244.9	3259.9	3425.2	3654.8	3914.5	4202.0
15°	3066.8	3077.5	3088.2	3111.8	3191.2	3204.1	3350.0	3579.7	3871.5	4208.5
17.5°	3098.9	3116.1	3107.5	3135.4	3219.1	3227.7	3356.5	3558.2	3869.4	4249.3
20°	3176.2	3189.1	3171.9	3189.1	3272.8	3289.9	3423.0	3599.0	3905.9	4320.1
22.5°	3298.5	3305.0	3264.2	3277.1	3362.9	3384.4	3538.9	3714.9	3993.9	4433.8
25°	3453.1	3465.9	3403.7	3418.7	3500.3	3526.0	3704.1	3888.7	4133.4	4590.5
27.5°	3631.2	3637.6	3584.0	3581.8	3687.0	3723.5	3903.7	4103.3	4320.1	4787.9
30°	3835.1	3854.4	3802.9	3794.3	3927.3	3957.4	4135.5	4367.3	4594.8	5084.1
32.5°	3996.0	4011.0	3981.0	4002.5	4137.7	4161.3	4416.6	4740.7	5026.1	5504.7
35°	4227.8	4236.4	4167.7	4206.3	4360.8	4420.9	4800.8	5264.3	5569.1	6032.6
37.5°	5066.9	5066.9	4775.0	4584.0	4732.1	4785.8	5326.6	5923.2	6238.7	6740.9
40°	6227.9	6208.6	5781.6	5391.0	5371.7	5476.8	6075.6	6753.7	7103.5	7590.7
42.5°	7466.2	7436.2	6854.6	6468.3	6403.9	6440.4	6940.4	7777.4	8133.7	8627.3
45°	8565.0	8556.4	8024.2	7504.9	7389.0	7504.9	8019.9	8974.9	9230.3	9749.7
47.5°	9485.7	9485.7	9097.3	8758.2	8698.1	8766.8	9481.4	10303.4	10279.8	10945.0
50°	10545.9	10537.3	10168.2	10022.2	10084.5	10181.0	11163.9	11702.6	11365.7	12118.9
52.5°	11288.4	11339.9	11213.3	11189.7	11507.3	11674.7	12872.2	13071.8	12337.8	13232.8
55°	11876.4	11936.5	12082.5	12247.7	12859.3	13078.2	14526.9	14370.2	13151.2	14198.5
57.5°	12709.1	12623.3	12848.6	13174.8	14164.2	14428.1	16130.0	15595.6	13805.8	14981.8
60°	13719.9	13732.8	13771.4	14183.5	15466.8	15805.9	17709.5	16754.5	14226.4	15462.5
62.5°	14934.6	14953.9	15033.3	15666.4	17215.9	17535.7	19392.0	17703.1	14419.6	15327.3
65°	14850.9	14932.5	15818.8	17984.2	19874.9	20190.4	21355.7	18368.4	14127.7	14091.2
67.5°	13528.9	13662.0	15144.9	20752.7	23883.8	24235.7	23729.3	18499.3	12867.9	10957.9
70°	11794.9	11842.1	13625.5	23242.1	28525.8	28882.0	25853.9	17059.2	9764.7	6112.1
72.5°	9211.0	9221.7	11314.2	23819.4	31045.3	31064.6	24186.4	12664.1	5251.5	2347.8
75°	6579.9	6515.5	7577.8	19316.9	27313.2	27532.1	18132.3	5940.4	2006.6	1109.5
77.5°	3528.2	3599.0	4287.9	11455.8	18868.4	19241.8	9893.5	1712.6	1021.5	755.4
80°	1090.2	1150.3	1757.6	5245.0	10687.5	10912.8	3667.7	761.9	712.5	538.7
82.5°	343.4	356.3	819.8	2204.0	4436.0	4539.0	1062.3	431.4	487.2	356.3
85°	98.7	100.9	364.8	822.0	1096.6	1118.1	298.3	167.4	279.0	221.0
87.5°	10.7	34.3	137.3	137.3	96.6	94.4	32.2	36.5	79.4	27.9
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°
4245.0	0°	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0	4245.0
4264.3	2.5°	4253.5	4255.7	4227.8	4180.6	4129.1	4086.1	4032.5	3989.6	3959.5	3950.9
4302.9	5°	4283.6	4268.6	4189.2	4045.4	3873.7	3725.6	3560.4	3429.4	3343.6	3307.1
4343.7	7.5°	4328.7	4285.7	4111.9	3828.6	3500.3	3208.4	2912.2	2682.6	2536.7	2463.7
4382.3	10°	4367.3	4281.4	3983.1	3515.3	3013.1	2571.0	2171.8	1895.0	1740.5	1667.5
4427.4	12.5°	4403.8	4279.3	3815.7	3144.0	2463.7	1922.9	1551.6	1414.3	1371.3	1356.3
4500.3	15°	4472.4	4285.7	3605.4	2719.1	1916.5	1452.9	1317.7	1315.6	1324.1	1319.8
4611.9	17.5°	4566.9	4292.2	3367.2	2268.4	1478.7	1281.2	1274.8	1294.1	1307.0	1300.5
4751.4	20°	4689.2	4317.9	3114.0	1822.0	1270.5	1238.3	1253.3	1270.5	1281.2	1270.5
4938.1	22.5°	4860.9	4363.0	2837.1	1463.6	1204.0	1212.5	1225.4	1244.7	1255.5	1240.4
5176.4	25°	5071.2	4433.8	2564.6	1272.6	1171.8	1182.5	1201.8	1223.3	1236.1	1221.1
5476.8	27.5°	5343.8	4547.6	2313.5	1229.7	1139.6	1146.0	1173.9	1206.1	1223.3	1204.0
5903.9	30°	5738.6	4734.3	2096.7	1249.0	1120.3	1105.2	1143.9	1188.9	1208.2	1191.1
6485.5	32.5°	6262.3	4998.2	1963.7	1279.1	1111.7	1058.0	1094.5	1152.4	1184.6	1173.9
7245.2	35°	6949.0	5399.6	1912.2	1313.4	1105.2	1008.7	1034.4	1096.6	1152.4	1163.2
8202.3	37.5°	7781.7	5957.5	1927.2	1328.4	1085.9	967.9	980.8	1034.4	1107.4	1141.7
9279.7	40°	8728.1	6607.8	2013.0	1313.4	1064.5	933.5	935.7	976.5	1040.9	1092.4
10438.6	42.5°	9704.6	7367.5	2171.8	1257.6	1045.1	903.5	897.1	925.0	967.9	1004.4
11595.3	45°	10633.9	8148.7	2328.5	1180.3	1021.5	873.5	858.4	869.2	877.7	892.8
12722.0	47.5°	11445.1	8698.1	2283.4	1109.5	989.3	839.1	813.4	809.1	783.3	781.2
13728.5	50°	12005.2	8818.3	2028.1	1038.7	942.1	800.5	759.7	734.0	688.9	667.4
14481.8	52.5°	12183.3	8344.0	1656.8	967.9	864.9	749.0	691.0	650.3	594.5	575.2
14915.3	55°	11947.3	7414.7	1324.1	882.0	757.6	680.3	615.9	562.3	517.2	493.6
14962.5	57.5°	11370.0	6232.2	1047.3	781.2	643.8	603.1	538.7	485.0	446.4	422.8
14438.9	60°	10412.8	4948.9	828.4	661.0	549.4	519.4	452.8	418.5	384.1	356.3
13086.8	62.5°	8959.9	3532.5	650.3	523.6	459.3	424.9	386.3	360.5	319.8	281.1
10655.3	65°	6991.9	2161.1	502.2	384.1	369.1	352.0	328.4	304.7	255.4	216.8
6951.2	67.5°	4410.2	1023.7	358.4	289.7	291.9	283.3	272.6	253.2	216.8	182.4
3114.0	70°	1942.2	495.7	236.1	221.0	216.8	216.8	225.3	218.9	184.6	152.4
1081.6	72.5°	661.0	266.1	176.0	167.4	156.7	154.5	188.9	182.4	148.1	118.0
538.7	75°	345.5	178.1	128.8	120.2	94.4	113.7	150.2	141.6	105.2	77.3
356.3	77.5°	225.3	126.6	88.0	77.3	53.7	75.1	111.6	98.7	62.2	38.6
233.9	80°	141.6	83.7	51.5	36.5	25.8	40.8	60.1	42.9	23.6	8.6
137.3	82.5°	75.1	42.9	19.3	12.9	10.7	12.9	15.0	10.7	4.3	0.0
70.8	85°	30.0	15.0	6.4	4.3	2.1	0.0	4.3	2.1	0.0	0.0
12.9	87.5°	10.7	2.1	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°
4245.0
3966.0
3320.0
2474.4
1669.7
1352.0
1317.7
1298.4
1268.3
1238.3
1219.0
1204.0
1188.9
1173.9
1163.2
1150.3
1109.5
1019.4
901.4
779.0
669.6
573.0
493.6
418.5
349.8
274.7
210.3
178.1
145.9
111.6
70.8
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