

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: P852958

Luminaire Tested: **GLAN-SB7C-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852958
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-SB7C-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 27206 lumens
Efficiency: N/A
Efficacy: 77.6 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

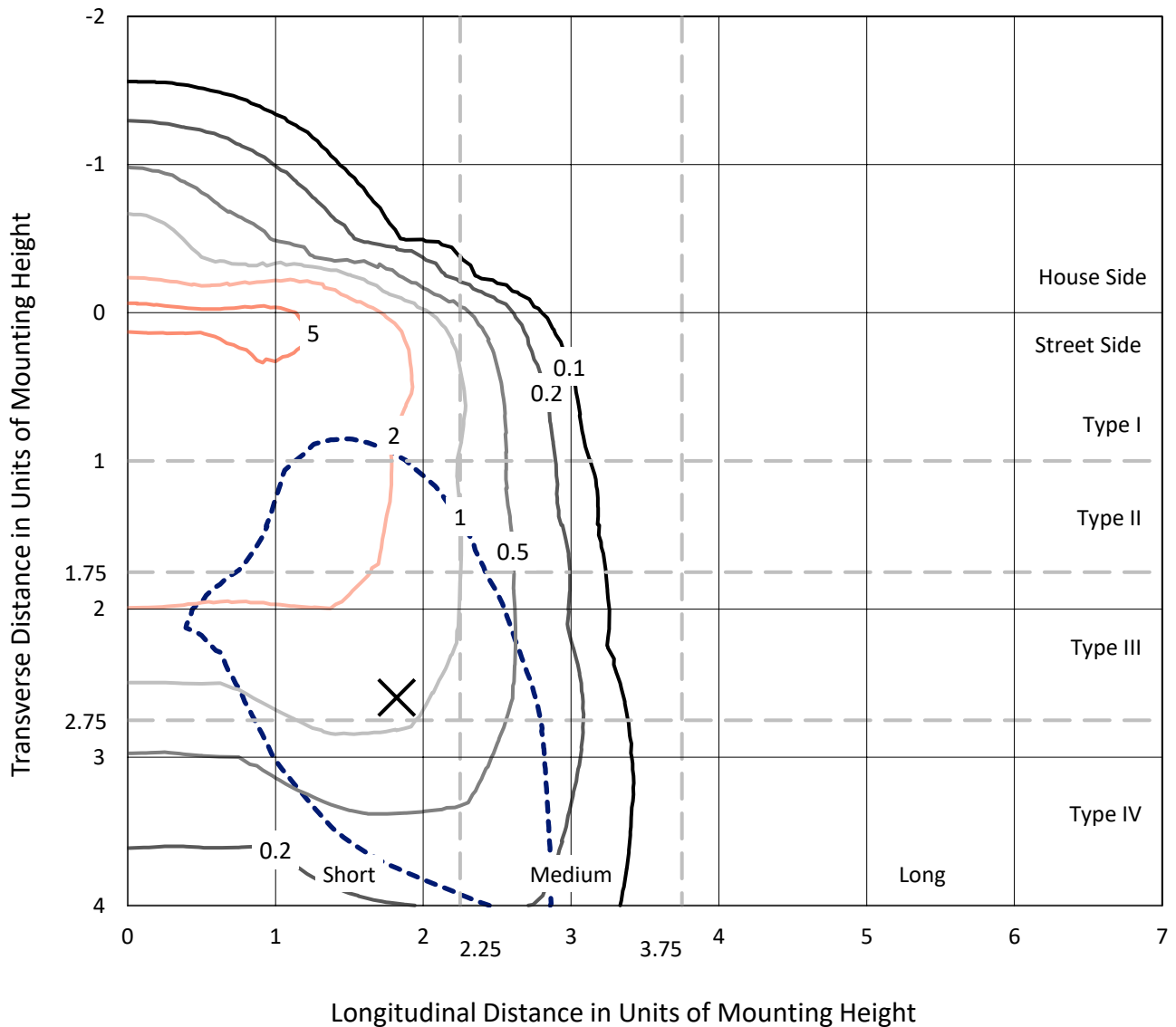
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

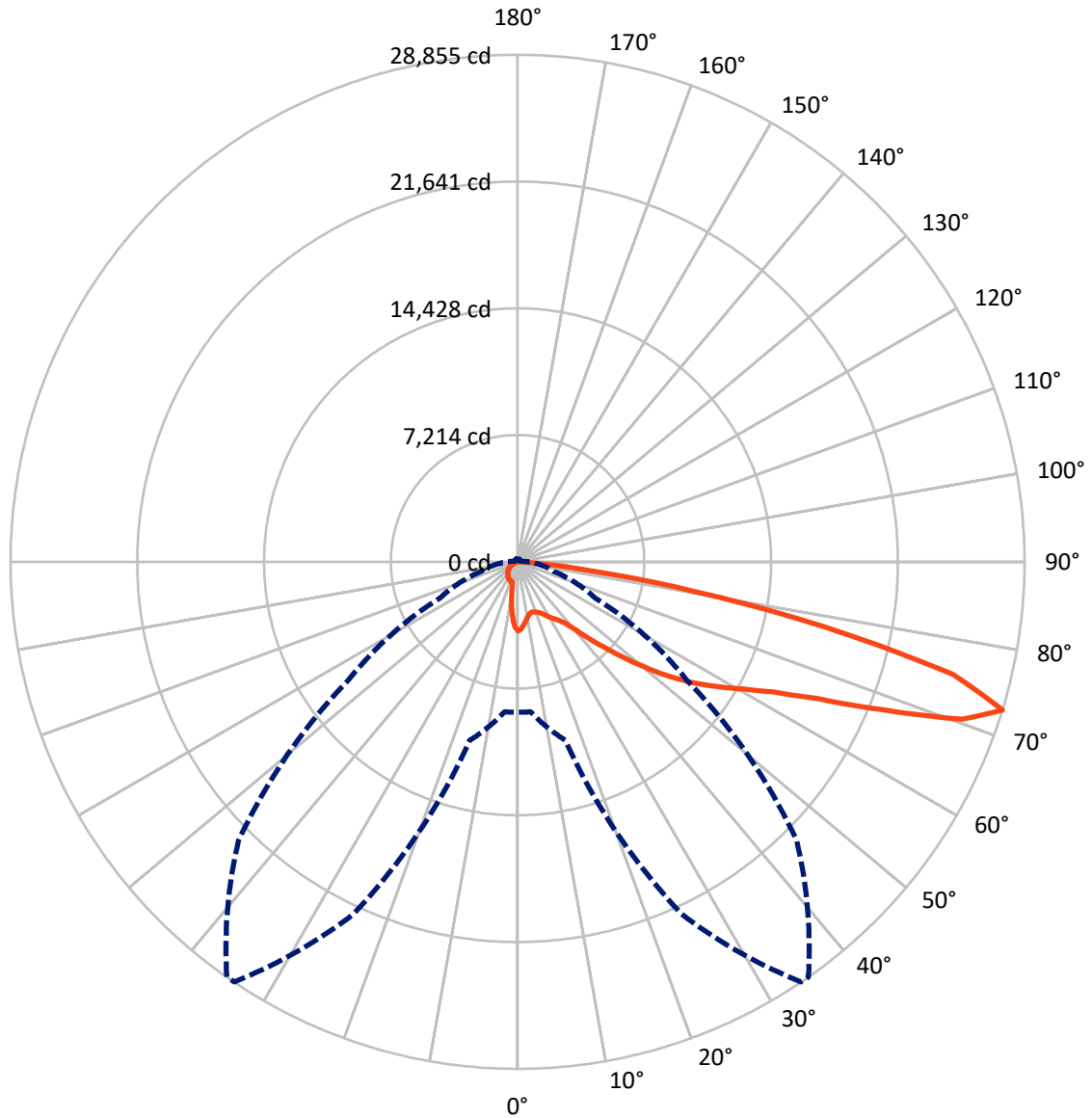
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	3061.9	0.0	3061.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	24144.1	0.0	24144.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	27206.0	0.0	27206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.0	1.2
10°-20°	758.0	2.8
20°-30°	1231.3	4.5
30°-40°	2054.5	7.6
40°-50°	3887.1	14.3
50°-60°	6176.6	22.7
60°-70°	7640.9	28.1
70°-80°	4749.6	17.5
80°-90°	383.9	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°	27206.0	100.0
0°-180°	27206.0	100.0

Coefficient of Utilization

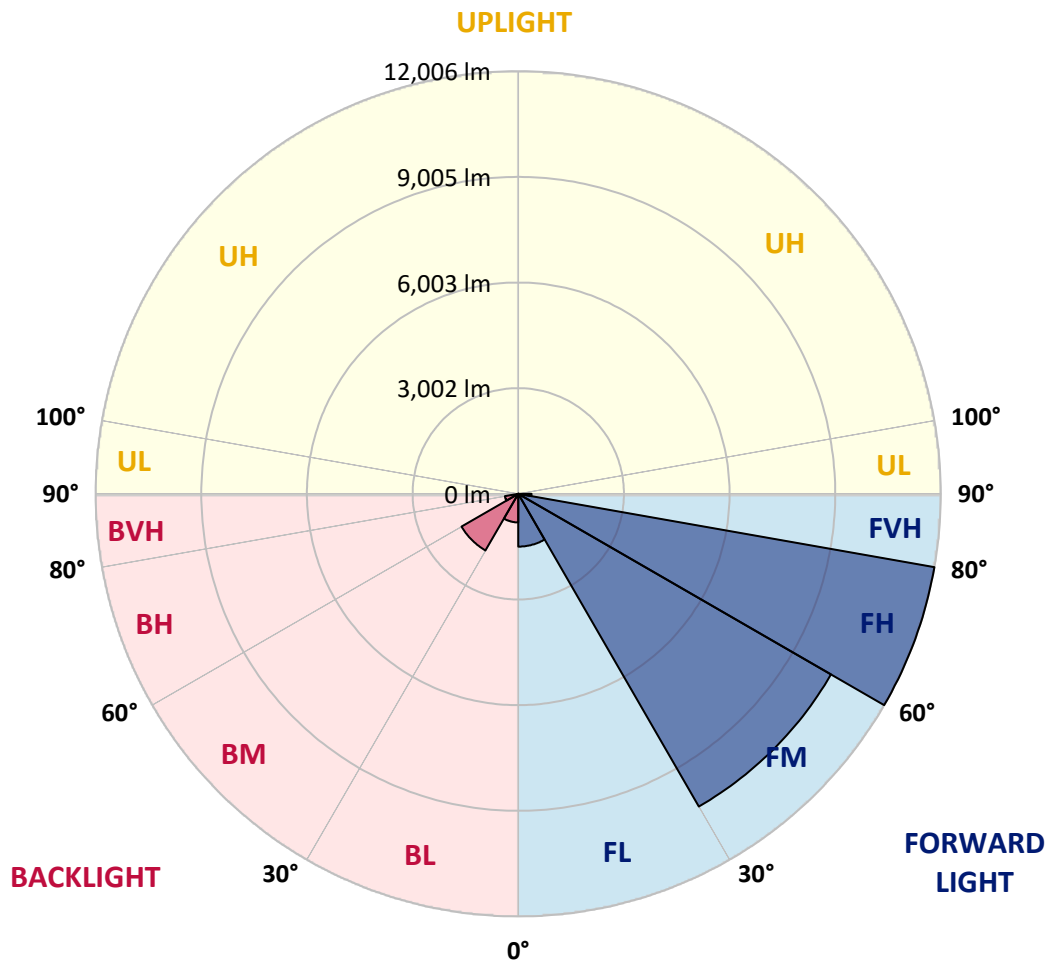


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1499.7	5.5			
FM (30°-60°)	10259.4	37.7			
FH (60°-80°)	12006.3	44.1			G5
FVH (80°-90°)	378.6	1.4			G3/500
BL (0°-30°)	813.6	3.0	B2/1000		
BM (30°-60°)	1858.9	6.8	B2/2500		
BH (60°-80°)	384.2	1.4	B1/500		G1/500
BVH (80°-90°)	5.2	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°	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1
2.5°	3767.6	3799.5	3805.5	3815.5	3815.5	3827.4	3847.4	3875.3	3921.1	3945.1
5°	3472.6	3496.5	3526.4	3550.4	3596.2	3602.2	3679.9	3755.7	3861.3	3941.1
7.5°	3175.6	3203.5	3243.4	3301.2	3361.0	3378.9	3496.5	3624.1	3791.6	3941.1
10°	2966.3	2968.3	3004.1	3062.0	3157.6	3179.6	3323.1	3504.5	3713.8	3917.1
12.5°	2848.7	2862.6	2878.6	2922.4	3014.1	3028.1	3181.6	3394.9	3636.1	3903.2
15°	2848.7	2858.6	2868.6	2890.5	2964.3	2976.2	3111.8	3325.1	3596.2	3909.2
17.5°	2878.6	2894.5	2886.5	2912.4	2990.2	2998.2	3117.8	3305.2	3594.2	3947.0
20°	2950.3	2962.3	2946.3	2962.3	3040.0	3056.0	3179.6	3343.0	3628.1	4012.8
22.5°	3063.9	3069.9	3032.1	3044.0	3123.7	3143.7	3287.2	3450.7	3709.8	4118.5
25°	3207.5	3219.4	3161.6	3175.6	3251.3	3275.3	3440.7	3612.1	3839.4	4264.0
27.5°	3372.9	3378.9	3329.1	3327.1	3424.8	3458.7	3626.1	3811.5	4012.8	4447.4
30°	3562.3	3580.3	3532.4	3524.4	3648.0	3675.9	3841.4	4056.7	4268.0	4722.5
32.5°	3711.8	3725.8	3697.9	3717.8	3843.4	3865.3	4102.5	4403.6	4668.7	5113.2
35°	3927.1	3935.1	3871.3	3907.2	4050.7	4106.5	4459.4	4890.0	5173.0	5603.6
37.5°	4706.6	4706.6	4435.4	4258.0	4395.6	4445.4	4947.8	5501.9	5795.0	6261.5
40°	5785.0	5767.1	5370.4	5007.6	4989.6	5087.3	5643.5	6273.4	6598.3	7050.9
42.5°	6935.2	6907.3	6367.1	6008.3	5948.5	5982.4	6446.8	7224.3	7555.2	8013.7
45°	7955.9	7947.9	7453.5	6971.1	6863.5	6971.1	7449.6	8336.6	8573.9	9056.3
47.5°	8811.1	8811.1	8450.3	8135.3	8079.5	8143.3	8807.1	9570.6	9548.7	10166.6
50°	9795.9	9787.9	9445.0	9309.5	9367.3	9457.0	10370.0	10870.3	10557.4	11257.1
52.5°	10485.6	10533.4	10415.8	10393.9	10688.9	10844.4	11956.8	12142.2	11460.4	12291.7
55°	11031.8	11087.6	11223.2	11376.7	11944.8	12148.1	13493.7	13348.2	12215.9	13188.7
57.5°	11805.3	11725.5	11934.8	12237.8	13156.8	13402.0	14982.8	14486.5	12823.9	13916.3
60°	12744.2	12756.1	12792.0	13174.8	14366.9	14681.8	16450.0	15562.9	13214.6	14362.9
62.5°	13872.5	13890.4	13964.2	14552.2	15991.5	16288.6	18012.9	16444.0	13394.0	14237.3
65°	13794.7	13870.5	14693.8	16705.2	18461.4	18754.5	19836.9	17062.0	13122.9	13089.1
67.5°	12566.8	12690.4	14067.8	19276.7	22185.2	22512.1	22041.7	17183.6	11952.8	10178.6
70°	10956.0	10999.9	12656.5	21589.2	26497.1	26828.0	24015.2	15846.0	9070.2	5677.4
72.5°	8555.9	8565.9	10509.5	22125.4	28837.4	28855.3	22466.3	11763.4	4878.0	2180.8
75°	6111.9	6052.1	7038.9	17943.1	25370.8	25574.1	16842.7	5517.9	1863.9	1030.6
77.5°	3277.2	3343.0	3982.9	10641.1	17526.5	17873.4	9189.8	1590.8	948.9	701.7
80°	1012.7	1068.5	1632.6	4872.0	9927.4	10136.7	3406.8	707.7	661.8	500.4
82.5°	319.0	330.9	761.5	2047.3	4120.5	4216.2	986.8	400.7	452.5	330.9
85°	91.7	93.7	338.9	763.5	1018.7	1038.6	277.1	155.5	259.1	205.3
87.5°	10.0	31.9	127.6	127.6	89.7	87.7	29.9	33.9	73.8	25.9
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°
3943.1	0°	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1	3943.1
3961.0	2.5°	3951.0	3953.0	3927.1	3883.3	3835.4	3795.5	3745.7	3705.8	3677.9	3670.0
3996.9	5°	3978.9	3965.0	3891.2	3757.7	3598.2	3460.6	3307.1	3185.5	3105.8	3071.9
4034.8	7.5°	4020.8	3980.9	3819.5	3556.3	3251.3	2980.2	2705.1	2491.8	2356.3	2288.5
4070.6	10°	4056.7	3977.0	3699.9	3265.3	2798.8	2388.2	2017.4	1760.2	1616.7	1548.9
4112.5	12.5°	4090.6	3975.0	3544.4	2920.4	2288.5	1786.1	1441.3	1313.7	1273.8	1259.9
4180.3	15°	4154.4	3980.9	3349.0	2525.7	1780.2	1349.6	1224.0	1222.0	1230.0	1226.0
4283.9	17.5°	4242.1	3986.9	3127.7	2107.1	1373.5	1190.1	1184.1	1202.1	1214.0	1208.0
4413.5	20°	4355.7	4010.8	2892.5	1692.4	1180.1	1150.2	1164.2	1180.1	1190.1	1180.1
4586.9	22.5°	4515.2	4052.7	2635.4	1359.5	1118.3	1126.3	1138.3	1156.2	1166.2	1152.2
4808.2	25°	4710.5	4118.5	2382.2	1182.1	1088.4	1098.4	1116.3	1136.3	1148.2	1134.3
5087.3	27.5°	4963.7	4224.1	2148.9	1142.3	1058.5	1064.5	1090.4	1120.3	1136.3	1118.3
5484.0	30°	5330.5	4397.6	1947.6	1160.2	1040.6	1026.6	1062.5	1104.4	1122.3	1106.4
6024.2	32.5°	5816.9	4642.8	1824.0	1188.1	1032.6	982.8	1016.7	1070.5	1100.4	1090.4
6729.9	35°	6454.8	5015.5	1776.2	1220.0	1026.6	936.9	960.8	1018.7	1070.5	1080.5
7619.0	37.5°	7228.3	5533.8	1790.1	1234.0	1008.7	899.0	911.0	960.8	1028.6	1060.5
8619.7	40°	8107.4	6137.9	1869.9	1220.0	988.8	867.2	869.1	907.0	966.8	1014.7
9696.2	42.5°	9014.4	6843.5	2017.4	1168.2	970.8	839.2	833.3	859.2	899.0	932.9
10770.7	45°	9877.6	7569.2	2162.9	1096.4	948.9	811.3	797.4	807.4	815.3	829.3
11817.2	47.5°	10631.1	8079.5	2121.0	1030.6	919.0	779.4	755.5	751.5	727.6	725.6
12752.2	50°	11151.4	8191.1	1883.8	964.8	875.1	743.6	705.7	681.8	639.9	620.0
13451.9	52.5°	11316.9	7750.6	1539.0	899.0	803.4	695.7	641.9	604.0	552.2	534.2
13854.5	55°	11097.6	6887.4	1230.0	819.3	703.7	631.9	572.1	522.3	480.4	458.5
13898.4	57.5°	10561.3	5789.0	972.8	725.6	598.0	560.2	500.4	450.5	414.6	392.7
13412.0	60°	9672.3	4596.9	769.5	614.0	510.3	482.4	420.6	388.7	356.8	330.9
12156.1	62.5°	8322.7	3281.2	604.0	486.4	426.6	394.7	358.8	334.9	297.0	261.1
9897.5	65°	6494.7	2007.4	466.5	356.8	342.9	326.9	305.0	283.1	237.2	201.3
6456.8	67.5°	4096.6	950.9	332.9	269.1	271.1	263.1	253.2	235.2	201.3	169.4
2892.5	70°	1804.1	460.5	219.3	205.3	201.3	201.3	209.3	203.3	171.4	141.5
1004.7	72.5°	614.0	247.2	163.5	155.5	145.5	143.5	175.4	169.4	137.5	109.6
500.4	75°	320.9	165.5	119.6	111.6	87.7	105.7	139.5	131.6	97.7	71.8
330.9	77.5°	209.3	117.6	81.7	71.8	49.8	69.8	103.7	91.7	57.8	35.9
217.3	80°	131.6	77.7	47.8	33.9	23.9	37.9	55.8	39.9	21.9	8.0
127.6	82.5°	69.8	39.9	17.9	12.0	10.0	12.0	14.0	10.0	4.0	0.0
65.8	85°	27.9	14.0	6.0	4.0	2.0	0.0	4.0	2.0	0.0	0.0
12.0	87.5°	10.0	2.0	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°
3943.1
3683.9
3083.9
2298.5
1550.9
1255.9
1224.0
1206.0
1178.1
1150.2
1132.3
1118.3
1104.4
1090.4
1080.5
1068.5
1030.6
946.9
837.3
723.6
622.0
532.3
458.5
388.7
324.9
255.2
195.4
165.5
135.6
103.7
65.8
31.9
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