

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: P853154

Luminaire Tested: **GLAN-SB9A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853154
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-SB9A-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 350mA 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: 25614 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

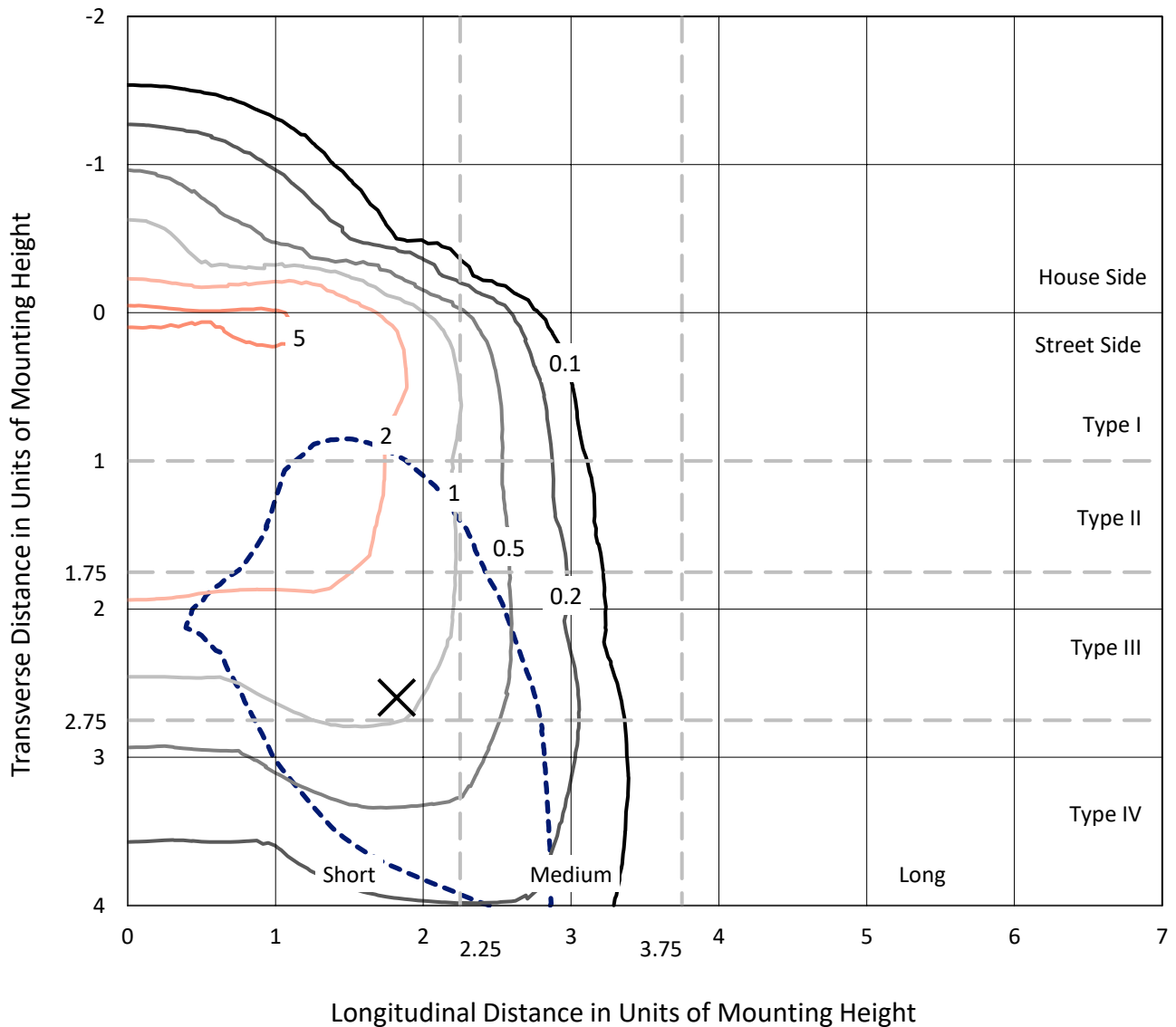
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

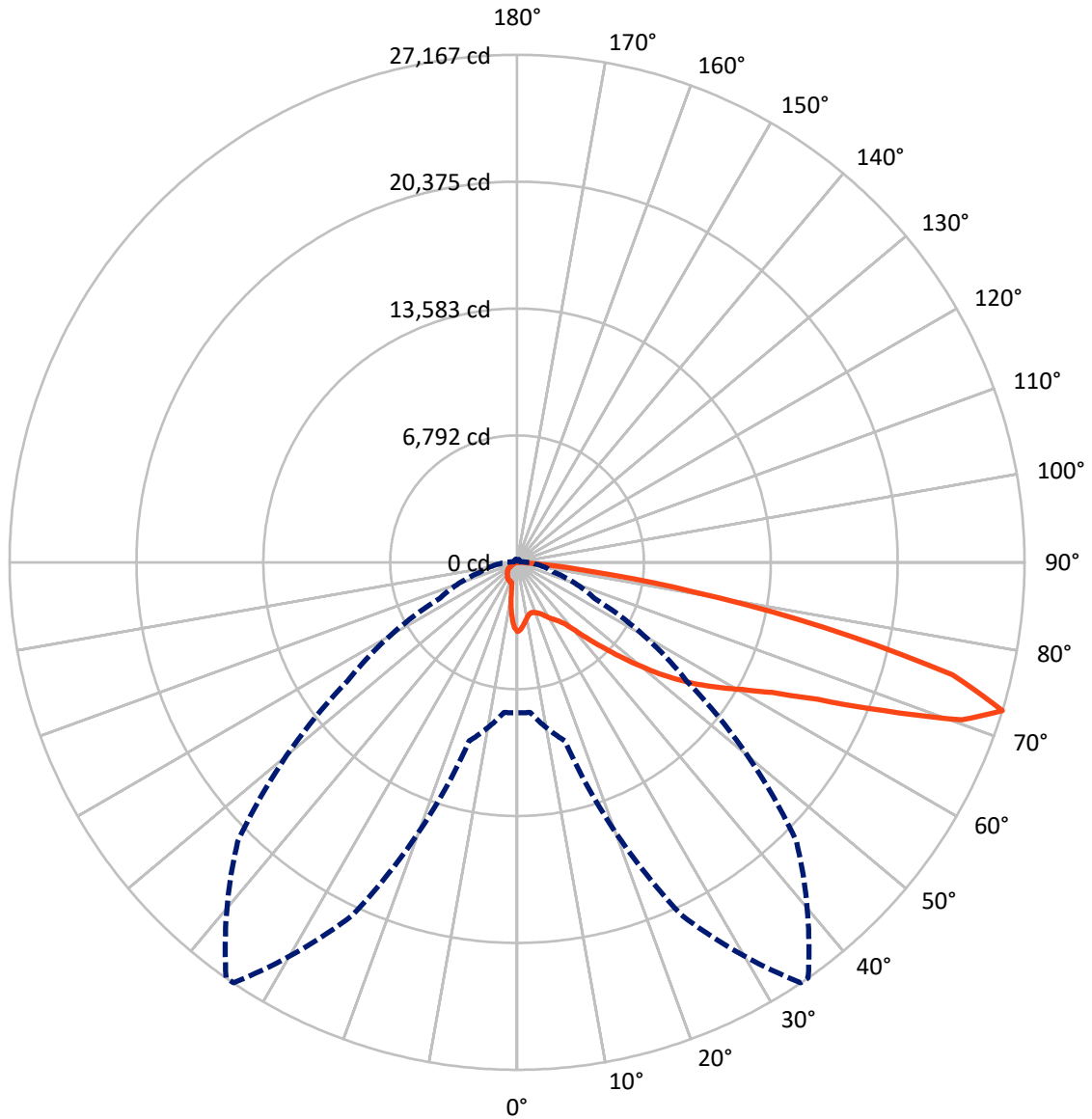
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	2882.7	0.0	2882.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	22731.3	0.0	22731.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	25614.0	0.0	25614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.1	1.2
10°-20°	713.6	2.8
20°-30°	1159.3	4.5
30°-40°	1934.3	7.6
40°-50°	3659.7	14.3
50°-60°	5815.2	22.7
60°-70°	7193.8	28.1
70°-80°	4471.7	17.5
80°-90°	361.4	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°	25614.0	100.0
0°-180°	25614.0	100.0

Coefficient of Utilization

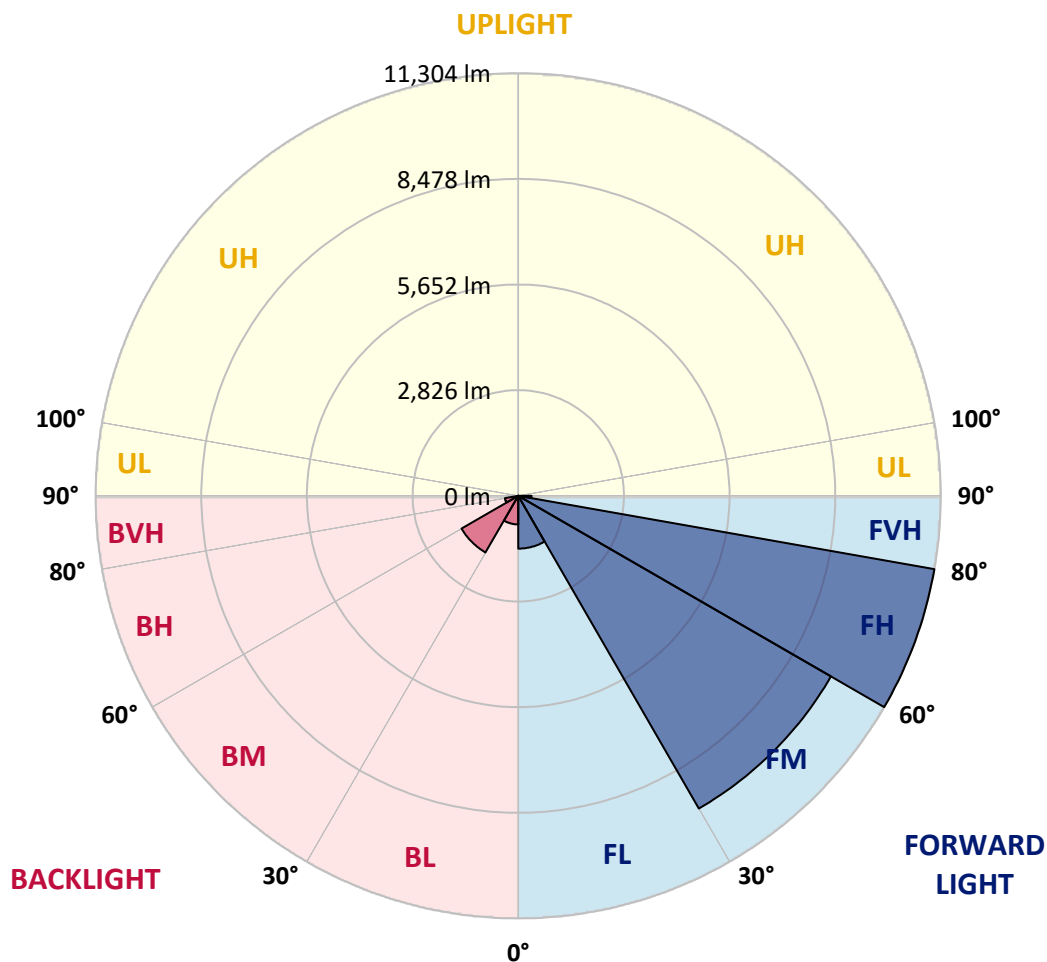


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1412.0	5.5			
FM (30°-60°)	9659.0	37.7			
FH (60°-80°)	11303.8	44.1			G4/12000
FVH (80°-90°)	356.5	1.4			G3/500
BL (0°-30°)	766.0	3.0	B2/1000		
BM (30°-60°)	1750.1	6.8	B2/2500		
BH (60°-80°)	361.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.9	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3
2.5°	3547.2	3577.2	3582.8	3592.2	3592.2	3603.5	3622.2	3648.5	3691.7	3714.2
5°	3269.4	3291.9	3320.1	3342.6	3385.8	3391.4	3464.6	3535.9	3635.4	3710.5
7.5°	2989.8	3016.0	3053.6	3108.0	3164.3	3181.2	3291.9	3412.0	3569.7	3710.5
10°	2792.7	2794.6	2828.4	2882.8	2972.9	2993.5	3128.6	3299.4	3496.5	3687.9
12.5°	2682.0	2695.1	2710.1	2751.4	2837.7	2850.9	2995.4	3196.2	3423.3	3674.8
15°	2682.0	2691.3	2700.7	2721.4	2790.8	2802.1	2929.7	3130.5	3385.8	3680.4
17.5°	2710.1	2725.1	2717.6	2742.0	2815.2	2822.7	2935.3	3111.7	3383.9	3716.1
20°	2777.7	2788.9	2773.9	2788.9	2862.1	2877.1	2993.5	3147.4	3415.8	3778.0
22.5°	2884.7	2890.3	2854.6	2865.9	2941.0	2959.7	3094.9	3248.8	3492.7	3877.5
25°	3019.8	3031.0	2976.6	2989.8	3061.1	3083.6	3239.4	3400.8	3614.7	4014.5
27.5°	3175.6	3181.2	3134.3	3132.4	3224.4	3256.3	3413.9	3588.5	3778.0	4187.2
30°	3353.9	3370.7	3325.7	3318.2	3434.6	3460.8	3616.6	3819.3	4018.2	4446.2
32.5°	3494.6	3507.8	3481.5	3500.2	3618.5	3639.1	3862.5	4145.9	4395.5	4814.0
35°	3697.3	3704.8	3644.8	3678.5	3813.7	3866.2	4198.4	4603.8	4870.3	5275.7
37.5°	4431.1	4431.1	4175.9	4008.9	4138.4	4185.3	4658.2	5180.0	5455.9	5895.1
40°	5446.5	5429.6	5056.1	4714.5	4697.7	4789.6	5313.2	5906.3	6212.2	6638.3
42.5°	6529.4	6503.1	5994.5	5656.7	5600.4	5632.3	6069.6	6801.6	7113.1	7544.8
45°	7490.3	7482.8	7017.4	6563.2	6461.9	6563.2	7013.6	7848.8	8072.2	8526.3
47.5°	8295.5	8295.5	7955.8	7659.3	7606.7	7666.8	8291.7	9010.6	8989.9	9571.7
50°	9222.6	9215.1	8892.3	8764.7	8819.1	8903.6	9763.2	10234.2	9939.6	10598.3
52.5°	9872.0	9917.1	9806.3	9785.7	10063.4	10209.8	11257.1	11431.6	10789.8	11572.4
55°	10386.3	10438.8	10566.4	10710.9	11245.8	11437.3	12704.1	12567.1	11501.1	12417.0
57.5°	11114.5	11039.4	11236.5	11521.7	12386.9	12617.8	14106.1	13638.8	12073.5	13102.0
60°	11998.4	12009.7	12043.5	12403.8	13526.2	13822.7	15487.4	14652.2	12441.4	13522.4
62.5°	13060.7	13077.6	13147.0	13700.7	15055.8	15335.4	16958.8	15481.8	12610.3	13404.2
65°	12987.5	13058.8	13834.0	15727.7	17381.1	17657.0	18676.1	16063.6	12355.0	12323.1
67.5°	11831.4	11947.8	13244.6	18148.7	20887.0	21194.8	20751.9	16178.1	11253.3	9583.0
70°	10314.9	10356.2	11915.9	20325.8	24946.5	25258.1	22609.9	14918.8	8539.5	5345.2
72.5°	8055.3	8064.6	9894.5	20830.7	27149.9	27166.8	21151.6	11075.0	4592.6	2053.2
75°	5754.3	5698.0	6627.0	16893.2	23886.1	24077.6	15857.2	5195.0	1754.8	970.3
77.5°	3085.5	3147.4	3749.9	10018.4	16500.9	16827.5	8652.1	1497.7	893.4	660.6
80°	953.4	1006.0	1537.1	4586.9	9346.5	9543.6	3207.5	666.3	623.1	471.1
82.5°	300.3	311.6	716.9	1927.5	3879.4	3969.5	929.0	377.2	426.0	311.6
85°	86.3	88.2	319.1	718.8	959.0	977.8	260.9	146.4	244.0	193.3
87.5°	9.4	30.0	120.1	120.1	84.5	82.6	28.2	31.9	69.4	24.4
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°
3712.3	0°	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3	3712.3
3729.2	2.5°	3719.8	3721.7	3697.3	3656.0	3611.0	3573.4	3526.5	3489.0	3462.7	3455.2
3763.0	5°	3746.1	3733.0	3663.5	3537.8	3387.6	3258.1	3113.6	2999.1	2924.1	2892.2
3798.7	7.5°	3785.5	3748.0	3596.0	3348.2	3061.1	2805.8	2546.8	2346.0	2218.4	2154.6
3832.4	10°	3819.3	3744.2	3483.4	3074.2	2635.0	2248.4	1899.3	1657.2	1522.1	1458.3
3871.9	12.5°	3851.2	3742.4	3337.0	2749.5	2154.6	1681.6	1356.9	1236.8	1199.3	1186.1
3935.7	15°	3911.3	3748.0	3153.0	2377.9	1676.0	1270.6	1152.4	1150.5	1158.0	1154.2
4033.3	17.5°	3993.8	3753.6	2944.7	1983.8	1293.1	1120.5	1114.8	1131.7	1143.0	1137.3
4155.3	20°	4100.8	3776.1	2723.2	1593.4	1111.1	1082.9	1096.1	1111.1	1120.5	1111.1
4318.5	22.5°	4251.0	3815.6	2481.1	1280.0	1052.9	1060.4	1071.7	1088.5	1097.9	1084.8
4526.9	25°	4434.9	3877.5	2242.8	1112.9	1024.7	1034.1	1051.0	1069.8	1081.0	1067.9
4789.6	27.5°	4673.3	3977.0	2023.2	1075.4	996.6	1002.2	1026.6	1054.8	1069.8	1052.9
5163.1	30°	5018.6	4140.2	1833.6	1092.3	979.7	966.6	1000.3	1039.8	1056.6	1041.6
5671.7	32.5°	5476.5	4371.1	1717.3	1118.6	972.2	925.3	957.2	1007.8	1036.0	1026.6
6336.1	35°	6077.1	4722.1	1672.2	1148.6	966.6	882.1	904.6	959.0	1007.8	1017.2
7173.2	37.5°	6805.3	5210.0	1685.4	1161.7	949.7	846.4	857.7	904.6	968.4	998.5
8115.3	40°	7633.0	5778.7	1760.4	1148.6	930.9	816.4	818.3	853.9	910.3	955.3
9128.8	42.5°	8486.9	6443.1	1899.3	1099.8	914.0	790.1	784.5	808.9	846.4	878.3
10140.4	45°	9299.6	7126.2	2036.3	1032.2	893.4	763.9	750.7	760.1	767.6	780.8
11125.7	47.5°	10009.0	7606.7	1996.9	970.3	865.2	733.8	711.3	707.6	685.0	683.2
12005.9	50°	10498.9	7711.8	1773.6	908.4	823.9	700.0	664.4	641.9	602.5	583.7
12664.7	52.5°	10654.6	7297.0	1448.9	846.4	756.4	655.0	604.3	568.7	519.9	503.0
13043.8	55°	10448.2	6484.4	1158.0	771.4	662.5	594.9	538.6	491.7	452.3	431.7
13085.1	57.5°	9943.3	5450.3	915.9	683.2	563.0	527.4	471.1	424.2	390.4	369.7
12627.2	60°	9106.3	4327.9	724.4	578.1	480.5	454.2	396.0	366.0	335.9	311.6
11444.8	62.5°	7835.7	3089.2	568.7	457.9	401.6	371.6	337.8	315.3	279.6	245.9
9318.4	65°	6114.6	1889.9	439.2	335.9	322.8	307.8	287.2	266.5	223.3	189.6
6079.0	67.5°	3856.8	895.2	313.4	253.4	255.2	247.7	238.4	221.5	189.6	159.5
2723.2	70°	1698.5	433.5	206.4	193.3	189.6	189.6	197.1	191.4	161.4	133.3
945.9	72.5°	578.1	232.7	153.9	146.4	137.0	135.1	165.2	159.5	129.5	103.2
471.1	75°	302.2	155.8	112.6	105.1	82.6	99.5	131.4	123.9	92.0	67.6
311.6	77.5°	197.1	110.7	76.9	67.6	46.9	65.7	97.6	86.3	54.4	33.8
204.6	80°	123.9	73.2	45.0	31.9	22.5	35.7	52.6	37.5	20.6	7.5
120.1	82.5°	65.7	37.5	16.9	11.3	9.4	11.3	13.1	9.4	3.8	0.0
61.9	85°	26.3	13.1	5.6	3.8	1.9	0.0	3.8	1.9	0.0	0.0
11.3	87.5°	9.4	1.9	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°
3712.3
3468.3
2903.4
2164.0
1460.2
1182.4
1152.4
1135.5
1109.2
1082.9
1066.0
1052.9
1039.8
1026.6
1017.2
1006.0
970.3
891.5
788.3
681.3
585.6
501.1
431.7
366.0
305.9
240.2
183.9
155.8
127.6
97.6
61.9
30.0
5.6
0.0
0.0
0.0
0.0

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