

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: P853194

Luminaire Tested: **GLAN-SB9B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853194
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-SB9B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 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: 25008 lumens
Efficiency: N/A
Efficacy: 75.9 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

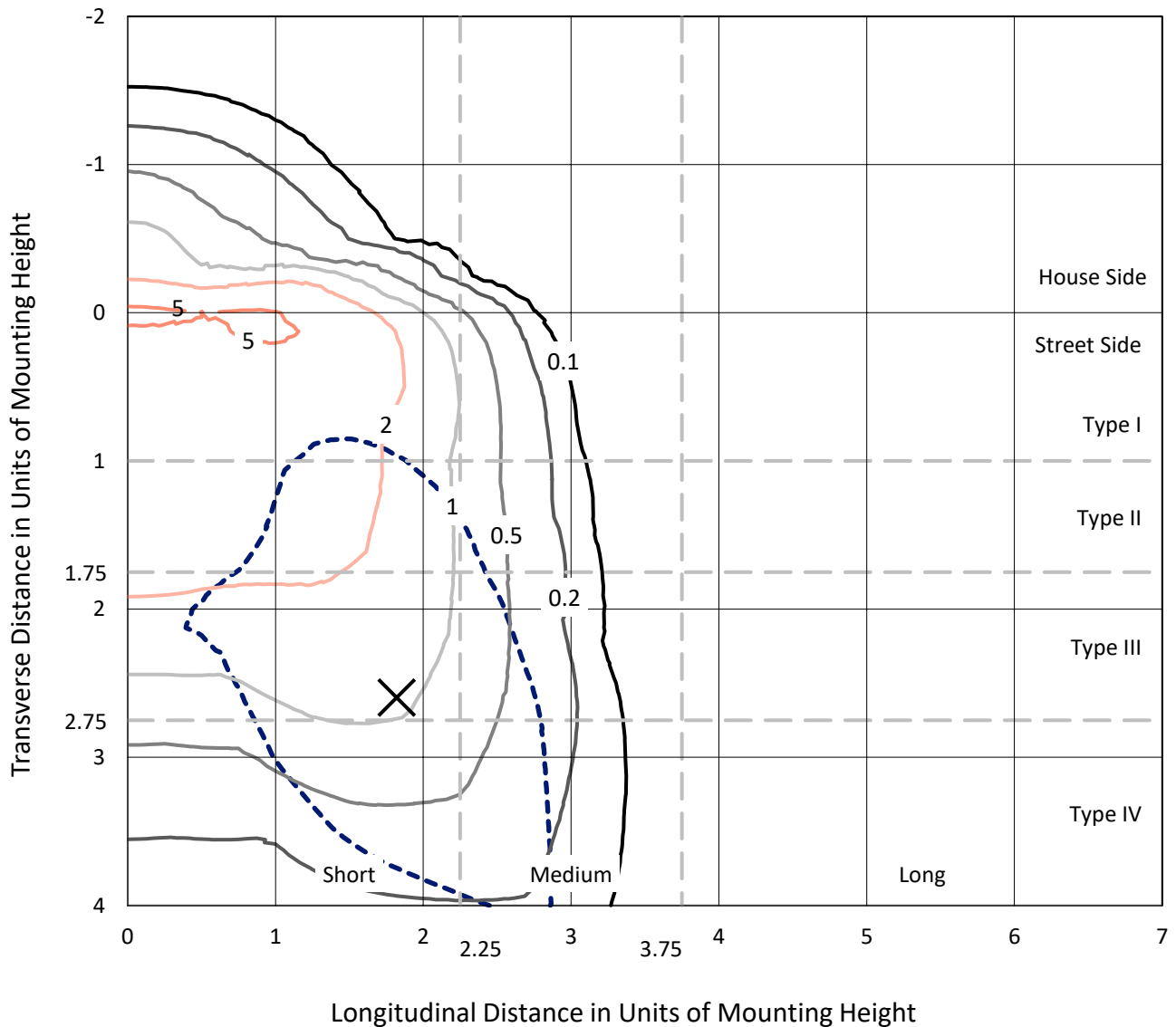
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

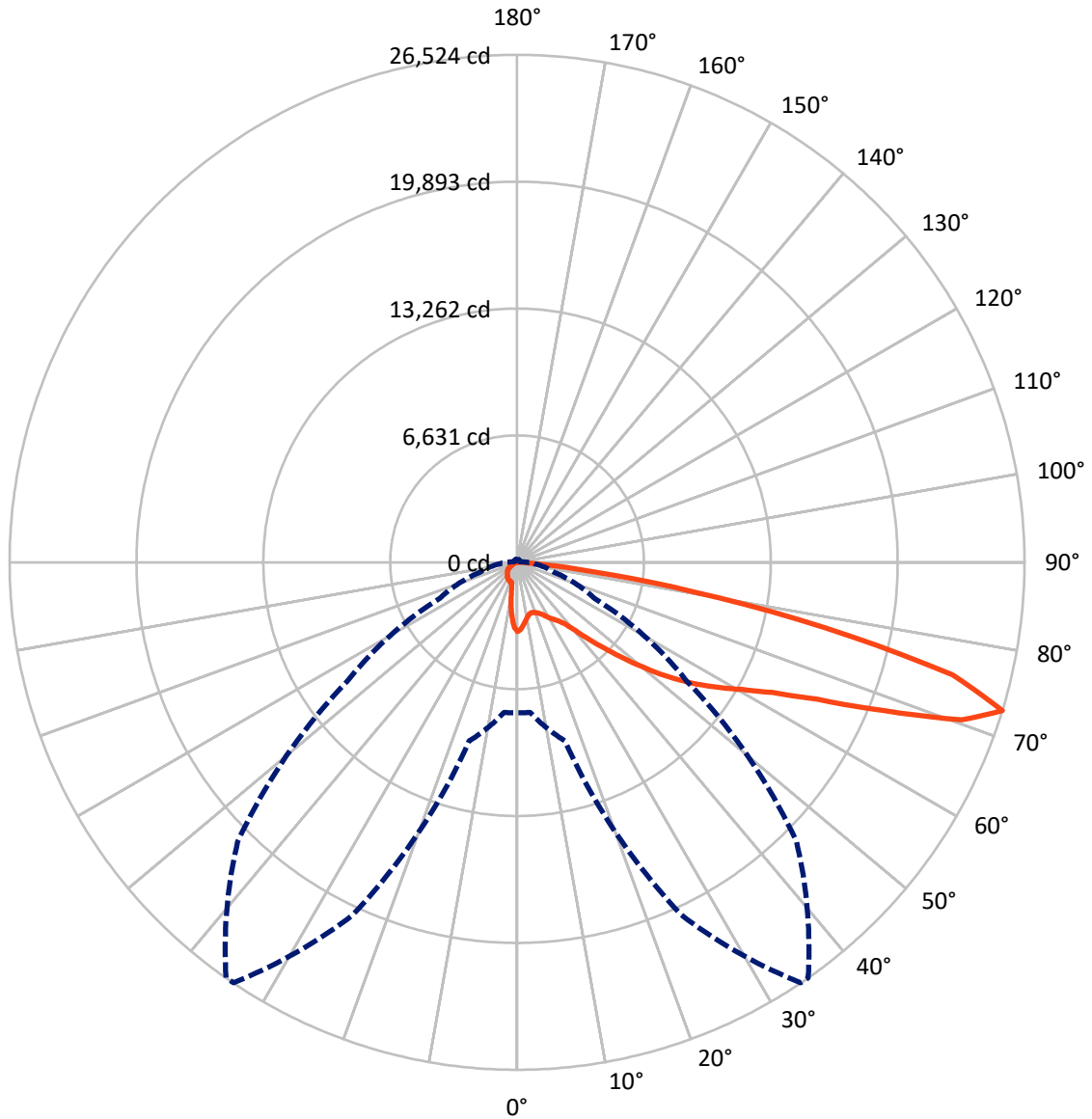
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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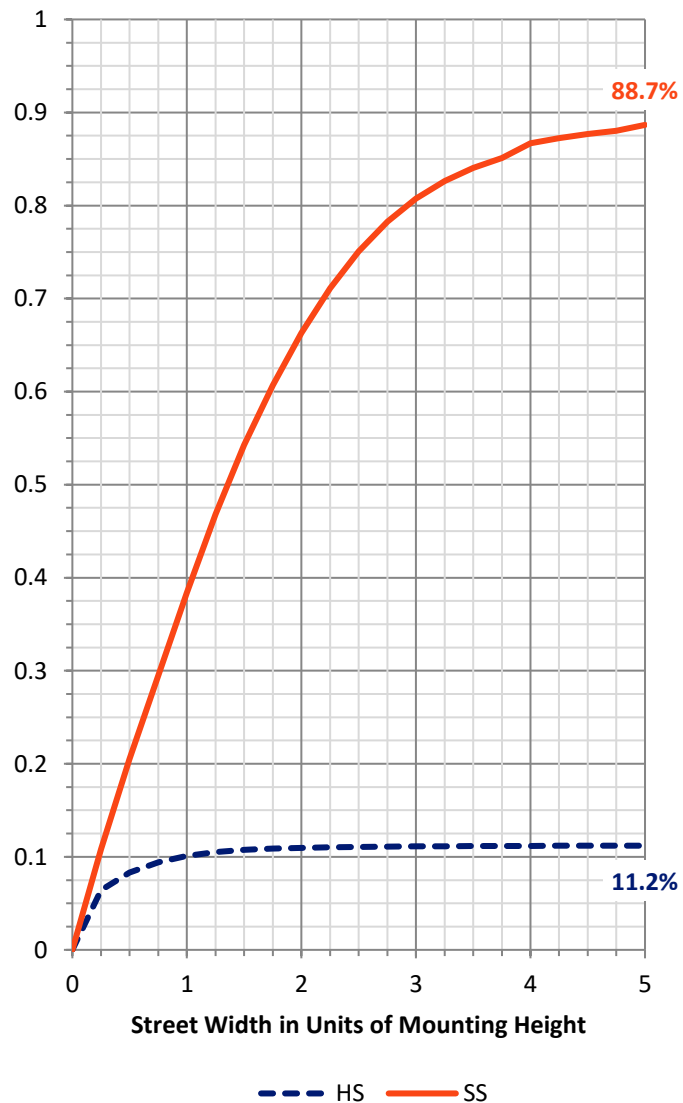
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2814.5	0.0	2814.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	22193.5	0.0	22193.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	25008.0	0.0	25008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.8	1.2
10°-20°	696.8	2.8
20°-30°	1131.9	4.5
30°-40°	1888.5	7.6
40°-50°	3573.1	14.3
50°-60°	5677.6	22.7
60°-70°	7023.6	28.1
70°-80°	4365.9	17.5
80°-90°	352.8	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°	25008.0	100.0
0°-180°	25008.0	100.0

Coefficient of Utilization



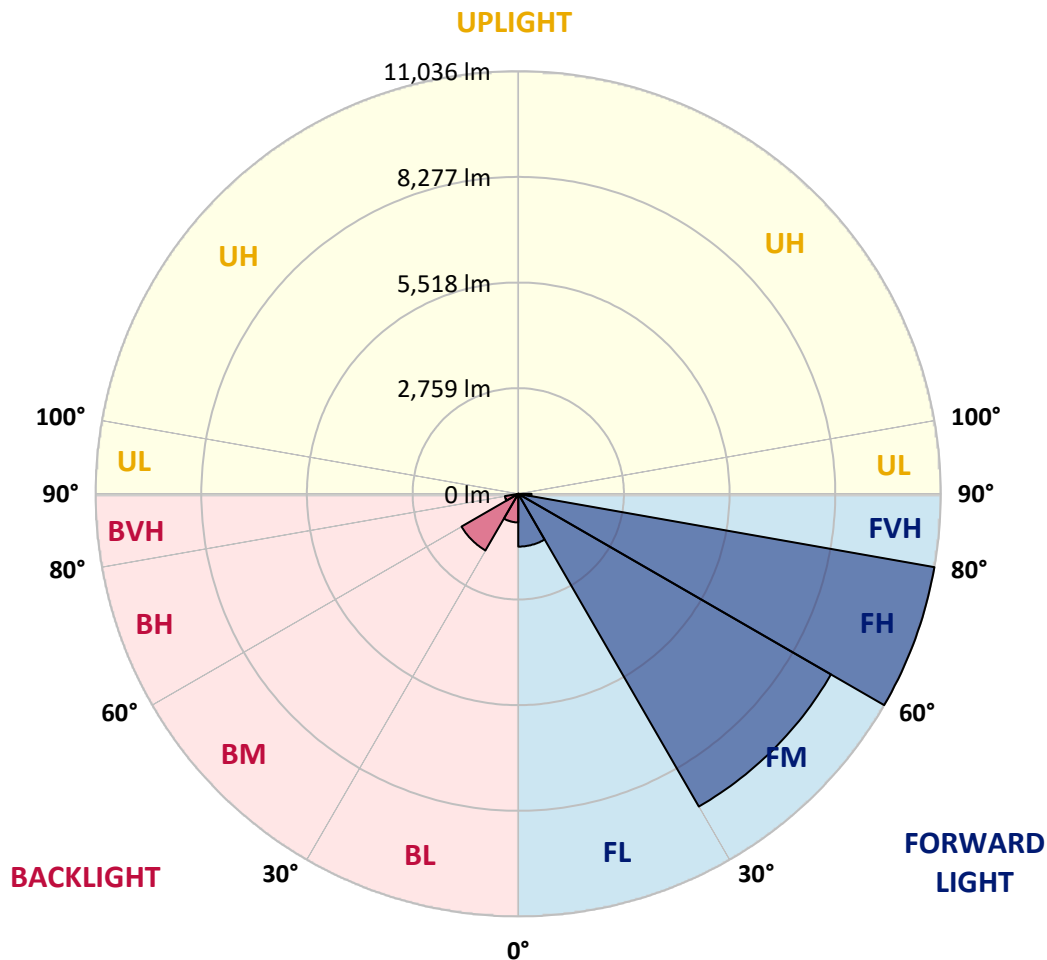
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.6	5.5			
FM (30°-60°)	9430.5	37.7			
FH (60°-80°)	11036.3	44.1			G4/12000
FVH (80°-90°)	348.0	1.4			G3/500
BL (0°-30°)	747.9	3.0	B2/1000		
BM (30°-60°)	1708.7	6.8	B2/2500		
BH (60°-80°)	353.2	1.4	B1/500		G1/500
BVH (80°-90°)	4.8	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°	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5
2.5°	3463.2	3492.6	3498.1	3507.2	3507.2	3518.2	3536.5	3562.2	3604.3	3626.3
5°	3192.1	3214.0	3241.5	3263.5	3305.7	3311.2	3382.6	3452.3	3549.4	3622.7
7.5°	2919.0	2944.7	2981.3	3034.5	3089.4	3105.9	3214.0	3331.3	3485.2	3622.7
10°	2726.6	2728.5	2761.4	2814.6	2902.5	2922.7	3054.6	3221.4	3413.8	3600.7
12.5°	2618.5	2631.3	2646.0	2686.3	2770.6	2783.4	2924.5	3120.6	3342.3	3587.8
15°	2618.5	2627.7	2636.8	2657.0	2724.8	2735.8	2860.4	3056.5	3305.7	3593.3
17.5°	2646.0	2660.7	2653.3	2677.1	2748.6	2755.9	2865.9	3038.1	3303.8	3628.2
20°	2712.0	2723.0	2708.3	2723.0	2794.4	2809.1	2922.7	3072.9	3335.0	3688.6
22.5°	2816.4	2821.9	2787.1	2798.1	2871.4	2889.7	3021.6	3171.9	3410.1	3785.7
25°	2948.3	2959.3	2906.2	2919.0	2988.7	3010.6	3162.7	3320.3	3529.2	3919.5
27.5°	3100.4	3105.9	3060.1	3058.3	3148.1	3179.2	3333.1	3503.6	3688.6	4088.1
30°	3274.5	3291.0	3247.0	3239.7	3353.3	3379.0	3531.0	3728.9	3923.2	4341.0
32.5°	3411.9	3424.8	3399.1	3417.4	3532.9	3553.0	3771.1	4047.8	4291.5	4700.1
35°	3609.8	3617.2	3558.5	3591.5	3723.4	3774.8	4099.1	4494.9	4755.1	5150.9
37.5°	4326.3	4326.3	4077.1	3914.0	4040.5	4086.3	4548.0	5057.4	5326.8	5755.6
40°	5317.6	5301.1	4936.5	4603.0	4586.5	4676.3	5187.5	5766.6	6065.3	6481.2
42.5°	6374.9	6349.3	5852.7	5522.9	5467.9	5499.0	5926.0	6640.6	6944.8	7366.3
45°	7313.1	7305.8	6851.4	6407.9	6309.0	6407.9	6847.7	7663.1	7881.2	8324.6
47.5°	8099.2	8099.2	7767.6	7478.0	7426.7	7485.4	8095.6	8797.4	8777.2	9345.3
50°	9004.4	8997.1	8681.9	8557.3	8610.5	8692.9	9532.2	9992.1	9704.4	10347.6
52.5°	9638.5	9682.4	9574.3	9554.2	9825.4	9968.3	10990.8	11161.2	10534.5	11298.6
55°	10140.5	10191.8	10316.4	10457.5	10979.8	11166.7	12403.6	12269.8	11229.0	12123.2
57.5°	10851.5	10778.2	10970.6	11249.1	12093.9	12319.3	13772.4	13316.1	11787.9	12792.0
60°	11714.6	11725.6	11758.5	12110.4	13206.1	13495.7	15121.0	14305.6	12147.0	13202.5
62.5°	12751.7	12768.2	12836.0	13376.6	14699.6	14972.6	16557.6	15115.5	12311.9	13087.0
65°	12680.2	12749.9	13506.7	15355.6	16969.9	17239.3	18234.3	15683.6	12062.7	12031.6
67.5°	11551.5	11665.1	12931.3	17719.4	20392.8	20693.4	20260.9	15795.3	10987.1	9356.3
70°	10070.9	10111.2	11633.9	19844.9	24356.3	24660.5	22075.0	14565.8	8337.4	5218.7
72.5°	7864.7	7873.8	9660.4	20337.9	26507.6	26524.1	20651.2	10813.0	4483.9	2004.7
75°	5618.2	5563.2	6470.2	16493.5	23321.0	23507.9	15482.0	5072.1	1713.3	947.4
77.5°	3012.5	3072.9	3661.1	9781.4	16110.5	16429.3	8447.4	1462.3	872.2	645.0
80°	930.9	982.2	1500.7	4478.4	9125.4	9317.8	3131.6	650.5	608.4	459.9
82.5°	293.2	304.2	700.0	1881.9	3787.6	3875.5	907.0	368.3	416.0	304.2
85°	84.3	86.1	311.5	701.8	936.4	954.7	254.7	142.9	238.2	188.7
87.5°	9.2	29.3	117.3	117.3	82.5	80.6	27.5	31.2	67.8	23.8
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°
3624.5	0°	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5	3624.5
3641.0	2.5°	3631.8	3633.7	3609.8	3569.5	3525.5	3488.9	3443.1	3406.4	3380.8	3373.5
3674.0	5°	3657.5	3644.7	3576.9	3454.1	3307.5	3181.1	3040.0	2928.2	2854.9	2823.7
3708.8	7.5°	3696.0	3659.3	3510.9	3269.0	2988.7	2739.4	2486.6	2290.5	2165.9	2103.6
3741.8	10°	3728.9	3655.6	3400.9	3001.5	2572.7	2195.2	1854.4	1618.0	1486.1	1423.8
3780.3	12.5°	3760.1	3653.8	3258.0	2684.5	2103.6	1641.8	1324.8	1207.6	1170.9	1158.1
3842.6	15°	3818.7	3659.3	3078.4	2321.7	1636.3	1240.5	1125.1	1123.3	1130.6	1126.9
3937.8	17.5°	3899.4	3664.8	2875.0	1936.9	1262.5	1093.9	1088.4	1104.9	1115.9	1110.4
4056.9	20°	4003.8	3686.8	2658.8	1555.7	1084.8	1057.3	1070.1	1084.8	1093.9	1084.8
4216.4	22.5°	4150.4	3725.3	2422.4	1249.7	1028.0	1035.3	1046.3	1062.8	1072.0	1059.1
4419.8	25°	4330.0	3785.7	2189.7	1086.6	1000.5	1009.7	1026.1	1044.5	1055.5	1042.6
4676.3	27.5°	4562.7	3882.9	1975.3	1050.0	973.0	978.5	1002.3	1029.8	1044.5	1028.0
5040.9	30°	4899.9	4042.3	1790.3	1066.5	956.5	943.7	976.7	1015.2	1031.6	1017.0
5537.5	32.5°	5347.0	4267.7	1676.7	1092.1	949.2	903.4	934.5	984.0	1011.5	1002.3
6186.2	35°	5933.3	4610.3	1632.7	1121.4	943.7	861.2	883.2	936.4	984.0	993.2
7003.5	37.5°	6644.3	5086.8	1645.5	1134.3	927.2	826.4	837.4	883.2	945.5	974.8
7923.3	40°	7452.4	5642.0	1718.8	1121.4	908.9	797.1	798.9	833.7	888.7	932.7
8912.8	42.5°	8286.1	6290.6	1854.4	1073.8	892.4	771.4	765.9	789.8	826.4	857.6
9900.5	45°	9079.6	6957.6	1988.2	1007.8	872.2	745.8	733.0	742.1	749.5	762.3
10862.5	47.5°	9772.2	7426.7	1949.7	947.4	844.7	716.5	694.5	690.8	668.8	667.0
11721.9	50°	10250.5	7529.4	1731.6	886.9	804.4	683.5	648.7	626.7	588.2	569.9
12365.1	52.5°	10402.6	7124.4	1414.6	826.4	738.5	639.5	590.0	555.2	507.6	491.1
12735.2	55°	10201.0	6331.0	1130.6	753.1	646.8	580.9	525.9	480.1	441.6	421.5
12775.5	57.5°	9708.1	5321.3	894.2	667.0	549.7	514.9	459.9	414.1	381.1	361.0
12328.4	60°	8890.8	4225.5	707.3	564.4	469.1	443.4	386.6	357.3	328.0	304.2
11174.0	62.5°	7650.3	3016.1	555.2	447.1	392.1	362.8	329.8	307.8	273.0	240.0
9097.9	65°	5970.0	1845.2	428.8	328.0	315.2	300.5	280.4	260.2	218.1	185.1
5935.2	67.5°	3765.6	874.1	306.0	247.4	249.2	241.9	232.7	216.2	185.1	155.8
2658.8	70°	1658.3	423.3	201.6	188.7	185.1	185.1	192.4	186.9	157.6	130.1
923.5	72.5°	564.4	227.2	150.3	142.9	133.8	131.9	161.3	155.8	126.4	100.8
459.9	75°	295.0	152.1	109.9	102.6	80.6	97.1	128.3	120.9	89.8	66.0
304.2	77.5°	192.4	108.1	75.1	66.0	45.8	64.1	95.3	84.3	53.1	33.0
199.7	80°	120.9	71.5	44.0	31.2	22.0	34.8	51.3	36.6	20.2	7.3
117.3	82.5°	64.1	36.6	16.5	11.0	9.2	11.0	12.8	9.2	3.7	0.0
60.5	85°	25.7	12.8	5.5	3.7	1.8	0.0	3.7	1.8	0.0	0.0
11.0	87.5°	9.2	1.8	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

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180°
3624.5
3386.3
2834.7
2112.8
1425.6
1154.4
1125.1
1108.6
1083.0
1057.3
1040.8
1028.0
1015.2
1002.3
993.2
982.2
947.4
870.4
769.6
665.2
571.7
489.3
421.5
357.3
298.7
234.5
179.6
152.1
124.6
95.3
60.5
29.3
5.5
0.0
0.0
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0.0

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