

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: P852633

Luminaire Tested: **GLAN-SB5B-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27589 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

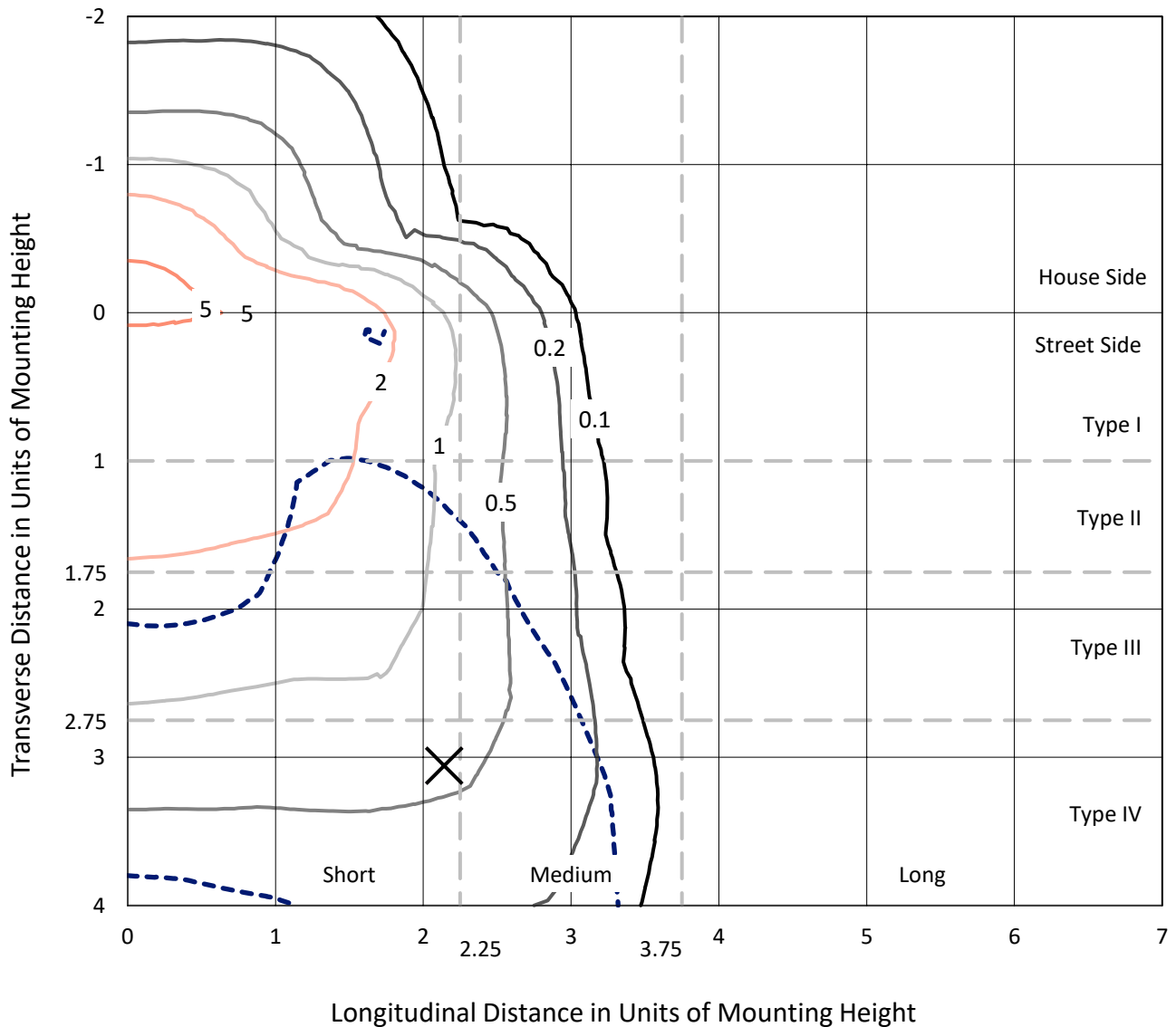
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

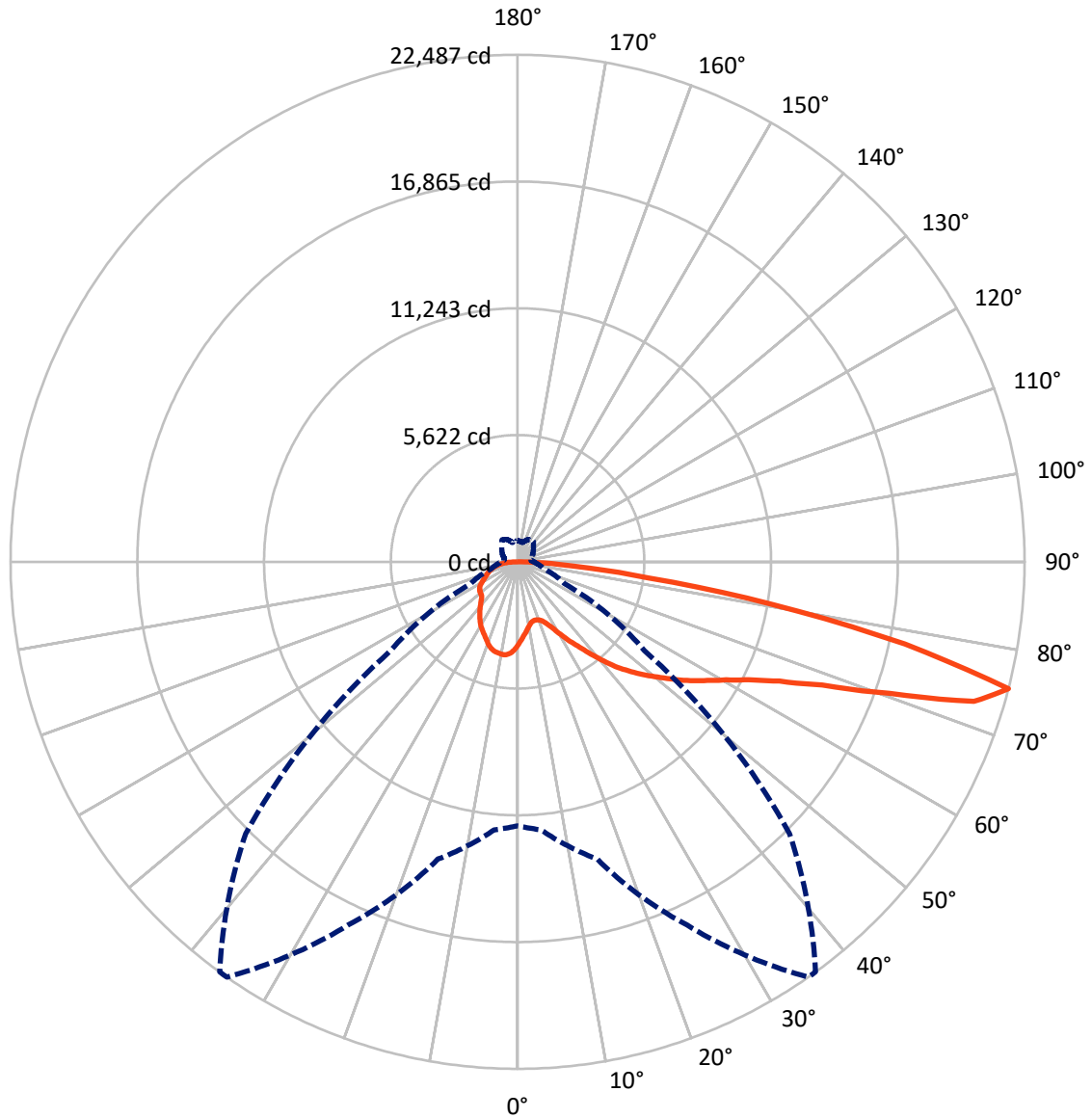
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6565.5	0.0	6565.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	21023.5	0.0	21023.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	27589.0	0.0	27589.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.1	1.3
10°-20°	1004.0	3.6
20°-30°	1686.0	6.1
30°-40°	2620.3	9.5
40°-50°	3889.2	14.1
50°-60°	5369.3	19.5
60°-70°	6514.2	23.6
70°-80°	5383.5	19.5
80°-90°	774.3	2.8
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°	27589.0	100.0
0°-180°	27589.0	100.0

Coefficient of Utilization

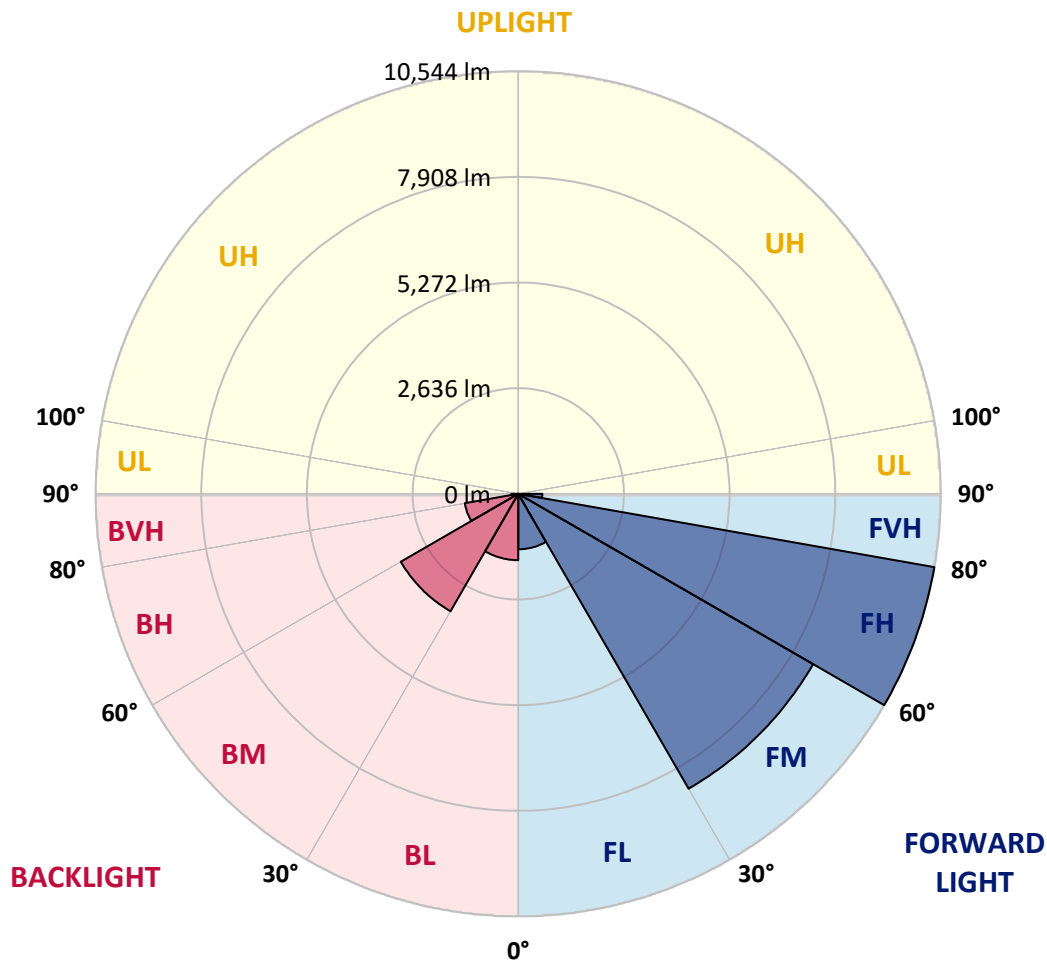


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1383.5	5.0			
FM (30°-60°)	8495.9	30.8			
FH (60°-80°)	10544.1	38.2			G4/12000
FVH (80°-90°)	600.0	2.2			G4/750
BL (0°-30°)	1654.6	6.0	B3/2500		
BM (30°-60°)	3382.9	12.3	B3/5000		
BH (60°-80°)	1353.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	174.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4
2.5°	3390.1	3410.9	3419.9	3415.4	3437.8	3434.8	3466.1	3504.9	3558.6	3610.8
5°	3129.1	3151.4	3170.8	3188.7	3232.0	3245.4	3294.6	3369.2	3467.6	3567.5
7.5°	2886.0	2905.3	2935.2	2968.0	3041.1	3054.5	3136.5	3252.8	3390.1	3536.2
10°	2687.6	2707.0	2738.3	2775.6	2866.6	2883.0	2987.4	3142.5	3321.5	3506.4
12.5°	2602.6	2608.5	2626.4	2663.7	2742.8	2753.2	2868.1	3045.5	3254.3	3484.0
15°	2598.1	2610.0	2611.5	2630.9	2696.5	2701.0	2806.9	2982.9	3212.6	3479.5
17.5°	2642.8	2651.8	2638.4	2650.3	2705.5	2712.9	2796.5	2953.1	3199.2	3498.9
20°	2762.2	2769.6	2729.4	2712.9	2753.2	2759.2	2841.2	2972.5	3212.6	3539.2
22.5°	3015.7	3020.2	2921.7	2854.6	2857.6	2860.6	2932.2	3051.5	3264.8	3612.3
25°	3410.9	3408.0	3251.4	3121.6	3047.0	3030.6	3078.3	3179.8	3352.8	3709.2
27.5°	3873.3	3850.9	3694.3	3500.4	3337.9	3314.0	3303.6	3346.8	3478.1	3837.5
30°	4395.3	4374.4	4205.9	3952.3	3727.1	3688.4	3589.9	3567.5	3664.5	4012.0
32.5°	4968.0	4954.6	4753.2	4446.0	4144.7	4100.0	3934.4	3874.8	3950.8	4276.0
35°	5448.3	5436.3	5269.3	4953.1	4584.7	4529.5	4361.0	4293.9	4332.7	4614.5
37.5°	5882.3	5876.3	5733.1	5484.1	5103.7	5036.6	4847.2	4824.8	4817.4	5060.5
40°	6285.0	6270.1	6120.9	5989.7	5707.8	5646.6	5479.6	5460.2	5403.5	5609.3
42.5°	6730.9	6692.1	6475.9	6414.7	6338.7	6287.9	6188.0	6191.0	6065.7	6228.3
45°	7094.8	7072.4	6850.2	6814.4	6896.5	6875.6	6962.1	6984.5	6741.3	6877.1
47.5°	7485.6	7464.7	7276.8	7251.4	7473.6	7479.6	7785.4	7792.8	7400.6	7551.2
50°	7967.3	7937.5	7751.1	7782.4	8031.5	8053.8	8613.1	8562.4	8007.6	8235.8
52.5°	8285.0	8302.9	8262.6	8313.3	8653.4	8674.3	9427.4	9297.7	8608.6	8911.4
55°	8519.2	8554.9	8680.2	8796.6	9309.6	9330.5	10195.5	9997.2	9106.8	9537.8
57.5°	8820.4	8769.7	9003.9	9230.6	9933.0	9988.2	10942.8	10671.3	9548.3	10077.7
60°	9252.9	9217.2	9399.1	9734.7	10631.0	10719.0	11733.2	11278.3	9871.9	10505.8
62.5°	10129.9	10040.4	10068.8	10365.6	11511.0	11627.3	12625.1	11807.8	10033.0	10672.8
65°	11440.9	11287.3	11144.1	11349.9	12750.4	12865.2	13631.8	12223.9	9973.3	10349.2
67.5°	13091.9	12939.8	12763.8	12957.7	14575.9	14666.9	14874.2	12458.1	9503.5	9102.3
70°	14453.6	14397.0	14607.2	15405.2	17491.7	17494.7	16467.1	12264.2	8216.4	6453.5
72.5°	14273.2	14238.9	15347.0	17813.9	21166.6	21087.6	17974.9	10796.6	5534.8	2911.3
75°	11709.4	11931.6	13648.2	17770.6	22486.6	22476.1	17051.7	6863.6	2289.4	1206.6
77.5°	6279.0	6631.0	8860.7	13120.3	17554.4	17818.3	11988.3	2401.2	982.9	772.6
80°	2047.8	2355.0	3531.8	6680.2	11406.6	11357.4	5138.0	942.6	672.6	547.4
82.5°	869.5	905.3	1578.0	3154.4	5853.9	5763.0	1636.1	541.4	472.8	374.4
85°	340.1	380.3	696.5	1458.6	2535.5	2480.3	590.6	268.5	302.8	244.6
87.5°	111.9	135.7	249.1	499.6	789.0	760.6	144.7	92.5	131.2	111.9
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°
3676.4	0°	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4	3676.4
3686.9	2.5°	3707.7	3731.6	3759.9	3801.7	3837.5	3867.3	3898.6	3918.0	3925.5	3947.9
3692.8	5°	3734.6	3786.8	3856.9	3925.5	3992.6	4032.9	4068.7	4086.6	4103.0	4114.9
3709.2	7.5°	3779.3	3846.4	3956.8	4046.3	4103.0	4135.8	4159.7	4153.7	4159.7	4162.6
3727.1	10°	3818.1	3912.1	4043.3	4128.3	4171.6	4173.1	4167.1	4146.2	4135.8	4137.3
3754.0	12.5°	3864.3	3968.7	4110.4	4182.0	4194.0	4161.1	4135.8	4100.0	4086.6	4080.6
3794.2	15°	3927.0	4046.3	4183.5	4210.4	4180.5	4138.8	4095.5	4037.4	4007.5	3983.7
3862.9	17.5°	4003.0	4134.3	4240.2	4220.8	4156.7	4088.1	4018.0	3930.0	3868.8	3843.5
3956.8	20°	4108.9	4226.8	4283.4	4198.4	4101.5	3997.1	3877.8	3770.4	3713.7	3688.4
4076.1	22.5°	4237.2	4350.6	4325.2	4159.7	4022.4	3855.4	3706.2	3627.2	3598.9	3581.0
4229.7	25°	4390.8	4487.8	4355.0	4103.0	3892.7	3667.5	3552.6	3527.3	3513.9	3500.4
4417.7	27.5°	4590.7	4642.9	4377.4	4019.5	3689.8	3467.6	3425.9	3430.3	3425.9	3403.5
4678.7	30°	4854.7	4844.2	4398.3	3883.7	3457.2	3287.2	3290.1	3309.5	3312.5	3297.6
5042.6	32.5°	5202.2	5096.3	4408.7	3707.7	3235.0	3129.1	3132.0	3152.9	3167.8	3142.5
5518.4	35°	5622.8	5390.1	4392.3	3487.0	3063.4	2978.4	2956.1	2962.0	2966.5	2942.6
6095.6	37.5°	6113.4	5719.7	4319.2	3242.4	2921.7	2830.8	2783.0	2742.8	2718.9	2696.5
6748.8	40°	6651.9	6079.1	4185.0	3003.8	2763.7	2674.2	2602.6	2526.5	2446.0	2416.1
7440.8	42.5°	7215.6	6449.0	4022.4	2775.6	2581.7	2508.6	2432.6	2322.2	2201.4	2140.2
8159.7	45°	7800.3	6827.9	3862.9	2550.4	2395.3	2363.9	2276.0	2143.2	2012.0	1934.4
8880.1	47.5°	8373.0	7185.8	3628.7	2323.7	2220.8	2255.1	2186.5	2064.2	1918.0	1795.7
9594.5	50°	8920.4	7521.4	3245.4	2094.0	2079.1	2222.3	2156.6	1980.6	1813.6	1657.0
10295.5	52.5°	9463.2	7792.8	2754.7	1885.2	2003.0	2213.3	2117.9	1924.0	1719.6	1555.6
10954.7	55°	9924.1	7933.0	2281.9	1706.2	1892.6	2137.2	2071.6	1856.9	1586.9	1412.4
11406.6	57.5°	10186.6	7819.7	1888.2	1530.2	1740.5	2012.0	1992.6	1713.7	1428.8	1294.6
11494.6	60°	10073.2	7360.3	1566.0	1376.6	1595.9	1876.2	1855.4	1572.0	1308.0	1181.2
11023.3	62.5°	9448.3	6484.8	1311.0	1242.4	1464.6	1737.5	1718.1	1463.1	1215.5	1093.2
9772.0	65°	8189.5	5275.3	1112.6	1130.5	1331.9	1570.5	1598.8	1372.1	1142.4	1023.1
7560.2	67.5°	6246.2	3821.1	957.5	1033.6	1202.1	1406.4	1488.5	1306.5	1081.3	968.0
4374.4	70°	3560.1	2170.1	826.3	939.6	1087.3	1254.3	1403.5	1254.3	1015.7	921.7
1639.1	72.5°	1349.8	996.3	714.4	845.7	976.9	1126.0	1309.5	1172.3	939.6	869.5
847.1	75°	720.4	607.0	601.1	735.3	850.1	1000.8	1191.7	1091.7	882.9	918.7
586.1	77.5°	490.7	429.5	502.6	629.4	711.4	862.1	1066.4	969.4	765.1	762.1
405.7	80°	340.1	304.3	408.7	507.1	550.3	724.8	930.7	832.2	623.4	581.7
250.6	82.5°	204.3	198.4	305.7	378.8	389.3	559.3	771.1	698.0	510.1	444.5
149.1	85°	111.9	117.8	195.4	222.2	226.7	390.8	604.0	539.9	392.3	329.6
53.7	87.5°	31.3	40.3	71.6	88.0	108.9	202.8	359.4	320.7	196.9	137.2
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°
3676.4
3946.4
4117.9
4167.1
4140.3
4077.6
3991.1
3845.0
3685.4
3584.0
3500.4
3408.0
3305.1
3154.4
2959.0
2711.5
2429.6
2147.7
1928.4
1782.3
1643.6
1537.7
1397.5
1276.7
1163.3
1073.8
1003.7
950.1
909.8
857.6
948.6
702.5
556.3
447.4
332.6
137.2
0.0

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