

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: P852925

Luminaire Tested: **GLAN-SB7B-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852925
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-SB7B-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26703 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

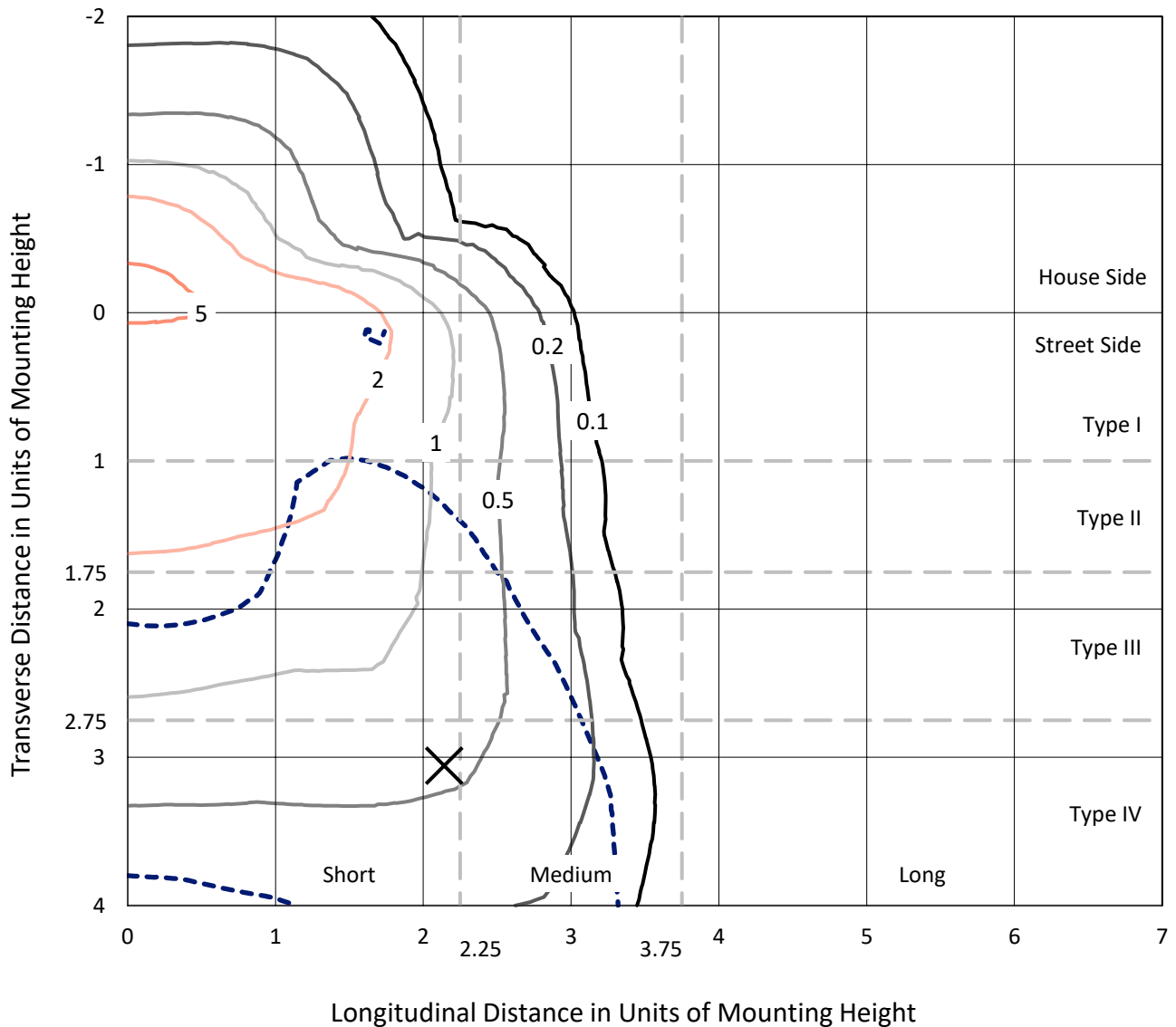
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

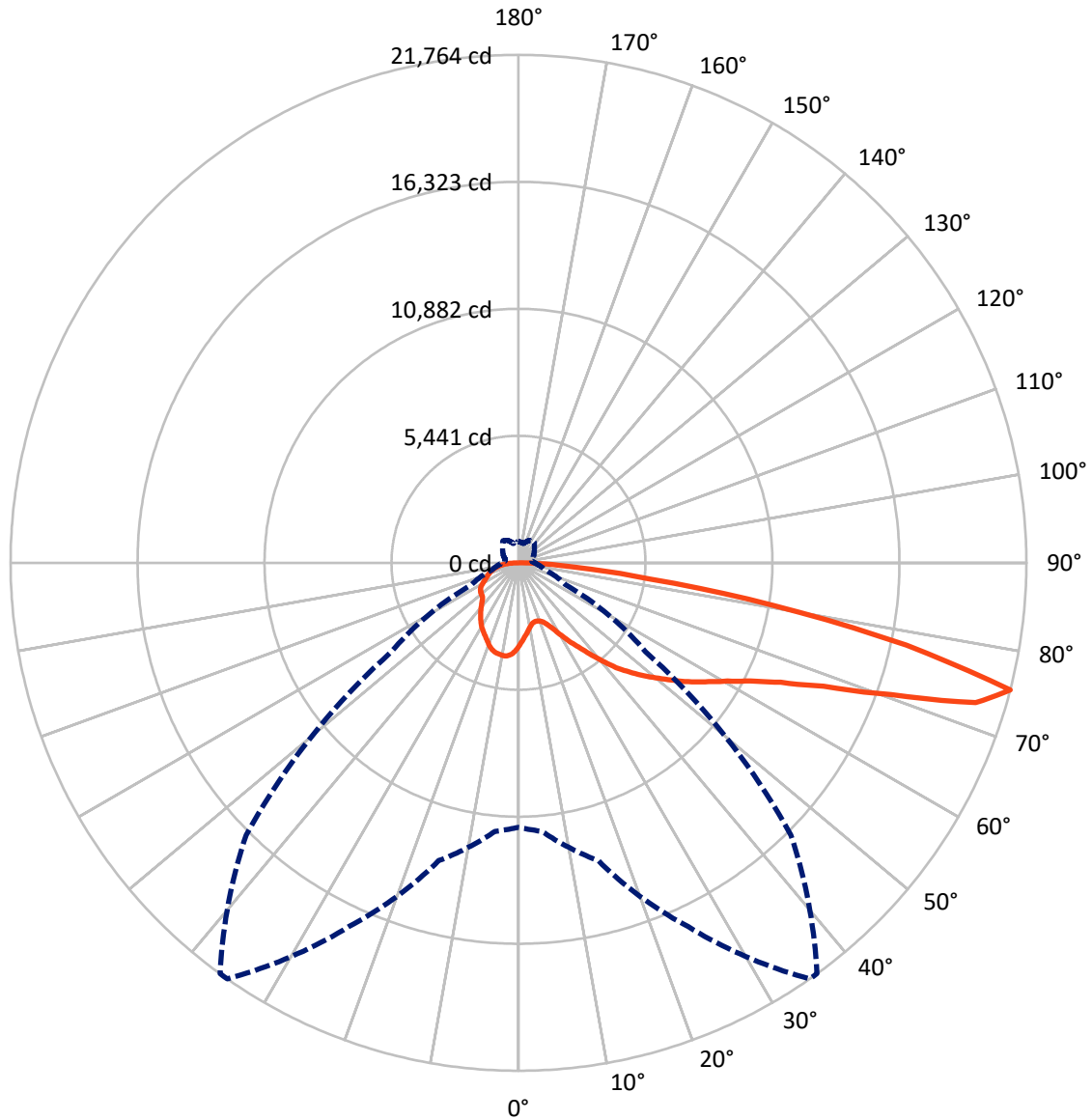
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	6354.6	0.0	6354.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20348.3	0.0	20348.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	26703.0	0.0	26703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	1.3
10°-20°	971.8	3.6
20°-30°	1631.9	6.1
30°-40°	2536.2	9.5
40°-50°	3764.3	14.1
50°-60°	5196.9	19.5
60°-70°	6305.0	23.6
70°-80°	5210.6	19.5
80°-90°	749.4	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°	26703.0	100.0
0°-180°	26703.0	100.0

Coefficient of Utilization

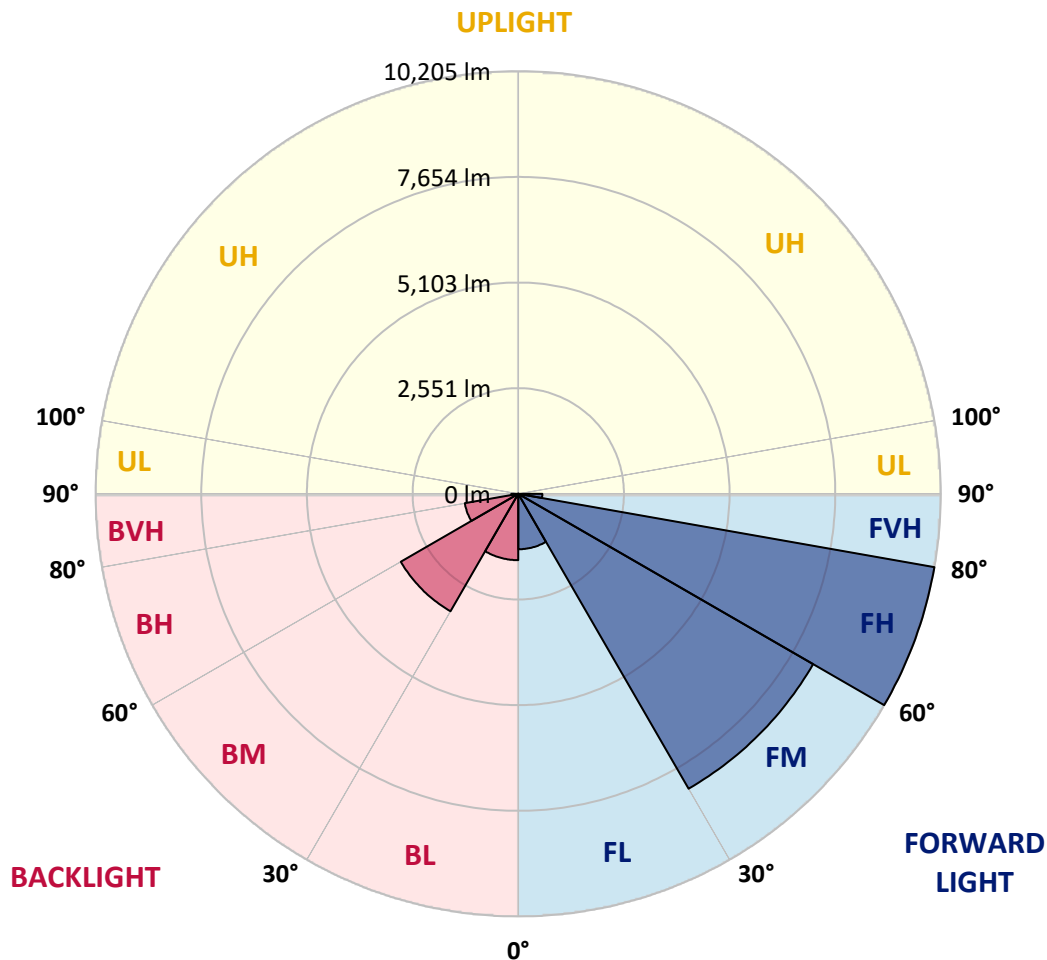


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1339.1	5.0			
FM (30°-60°)	8223.1	30.8			
FH (60°-80°)	10205.5	38.2			G4/12000
FVH (80°-90°)	580.7	2.2			G4/750
BL (0°-30°)	1601.5	6.0	B3/2500		
BM (30°-60°)	3274.3	12.3	B3/5000		
BH (60°-80°)	1310.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	168.8	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°	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4
2.5°	3281.2	3301.4	3310.1	3305.7	3327.4	3324.5	3354.8	3392.3	3444.3	3494.8
5°	3028.6	3050.2	3069.0	3086.3	3128.2	3141.2	3188.8	3261.0	3356.3	3453.0
7.5°	2793.3	2812.0	2840.9	2872.7	2943.4	2956.4	3035.8	3148.4	3281.2	3422.7
10°	2601.3	2620.0	2650.4	2686.5	2774.5	2790.4	2891.4	3041.6	3214.8	3393.8
12.5°	2519.0	2524.8	2542.1	2578.2	2654.7	2664.8	2776.0	2947.7	3149.8	3372.1
15°	2514.7	2526.2	2527.7	2546.4	2609.9	2614.3	2716.8	2887.1	3109.4	3367.8
17.5°	2558.0	2566.6	2553.6	2565.2	2618.6	2625.8	2706.7	2858.2	3096.4	3386.6
20°	2673.5	2680.7	2641.7	2625.8	2664.8	2670.6	2750.0	2877.0	3109.4	3425.5
22.5°	2918.9	2923.2	2827.9	2763.0	2765.8	2768.7	2838.0	2953.5	3159.9	3496.3
25°	3301.4	3298.5	3146.9	3021.4	2949.2	2933.3	2979.5	3077.7	3245.1	3590.1
27.5°	3748.9	3727.3	3575.7	3388.0	3230.7	3207.6	3197.5	3239.3	3366.4	3714.3
30°	4254.1	4233.9	4070.8	3825.4	3607.4	3569.9	3474.6	3453.0	3546.8	3883.2
32.5°	4808.5	4795.5	4600.6	4303.2	4011.6	3968.3	3808.1	3750.3	3824.0	4138.7
35°	5273.3	5261.7	5100.1	4794.0	4437.5	4384.1	4220.9	4156.0	4193.5	4466.3
37.5°	5693.4	5687.6	5549.0	5307.9	4939.8	4874.9	4691.5	4669.9	4662.7	4898.0
40°	6083.1	6068.7	5924.3	5797.3	5524.5	5465.3	5303.6	5284.8	5230.0	5429.2
42.5°	6514.7	6477.2	6267.9	6208.7	6135.1	6086.0	5989.3	5992.2	5870.9	6028.3
45°	6867.0	6845.3	6630.2	6595.6	6675.0	6654.8	6738.5	6760.2	6524.9	6656.2
47.5°	7245.2	7225.0	7043.1	7018.5	7233.6	7239.4	7535.3	7542.6	7162.9	7308.7
50°	7711.5	7682.6	7502.1	7532.5	7773.5	7795.2	8336.5	8287.4	7750.4	7971.3
52.5°	8018.9	8036.3	7997.3	8046.4	8375.5	8395.7	9124.7	8999.1	8332.2	8625.2
55°	8245.6	8280.2	8401.5	8514.1	9010.7	9030.9	9868.1	9676.1	8814.3	9231.5
57.5°	8537.2	8488.1	8714.7	8934.1	9614.1	9667.5	10591.3	10328.6	9241.6	9754.1
60°	8955.8	8921.2	9097.3	9422.1	10289.6	10374.8	11356.4	10916.1	9554.9	10168.4
62.5°	9804.6	9718.0	9745.4	10032.7	11141.3	11253.9	12219.7	11428.6	9710.8	10330.1
65°	11073.5	10924.8	10786.2	10985.4	12340.9	12452.1	13194.1	11831.4	9653.0	10016.8
67.5°	12671.5	12524.3	12353.9	12541.6	14107.8	14195.9	14396.5	12058.0	9198.3	8810.0
70°	13989.5	13934.6	14138.1	14910.4	16930.0	16932.9	15938.3	11870.3	7952.5	6246.2
72.5°	13814.8	13781.6	14854.1	17241.8	20486.9	20410.4	17397.7	10449.9	5357.0	2817.8
75°	11333.3	11548.4	13209.9	17199.9	21764.4	21754.3	16504.1	6643.2	2215.9	1167.8
77.5°	6077.4	6418.0	8576.1	12698.9	16990.6	17246.1	11603.3	2324.1	951.3	747.8
80°	1982.0	2279.4	3418.3	6465.7	11040.3	10992.6	4973.0	912.3	651.0	529.8
82.5°	841.6	876.2	1527.3	3053.1	5665.9	5577.9	1583.6	524.0	457.6	362.3
85°	329.1	368.1	674.1	1411.8	2454.0	2400.6	571.6	259.8	293.0	236.7
87.5°	108.3	131.4	241.1	483.6	763.6	736.2	140.0	89.5	127.0	108.3
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°
3558.4	0°	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4	3558.4
3568.5	2.5°	3588.7	3611.8	3639.2	3679.6	3714.3	3743.1	3773.4	3792.2	3799.4	3821.1
3574.2	5°	3614.7	3665.2	3733.0	3799.4	3864.4	3903.4	3938.0	3955.3	3971.2	3982.8
3590.1	7.5°	3658.0	3722.9	3829.7	3916.4	3971.2	4003.0	4026.1	4020.3	4026.1	4029.0
3607.4	10°	3695.5	3786.4	3913.5	3995.8	4037.6	4039.1	4033.3	4013.1	4003.0	4004.4
3633.4	12.5°	3740.2	3841.3	3978.4	4047.7	4059.3	4027.5	4003.0	3968.3	3955.3	3949.6
3672.4	15°	3800.9	3916.4	4049.2	4075.1	4046.3	4005.9	3964.0	3907.7	3878.8	3855.7
3738.8	17.5°	3874.5	4001.5	4104.0	4085.3	4023.2	3956.8	3888.9	3803.8	3744.6	3720.0
3829.7	20°	3977.0	4091.0	4145.9	4063.6	3969.8	3868.7	3753.2	3649.3	3594.4	3569.9
3945.2	22.5°	4101.1	4210.8	4186.3	4026.1	3893.3	3731.6	3587.2	3510.7	3483.3	3466.0
4093.9	25°	4249.8	4343.6	4215.2	3971.2	3767.7	3549.7	3438.5	3414.0	3401.0	3388.0
4275.8	27.5°	4443.3	4493.8	4236.8	3890.4	3571.3	3356.3	3315.8	3320.2	3315.8	3294.2
4528.4	30°	4698.8	4688.7	4257.0	3759.0	3346.2	3181.6	3184.5	3203.2	3206.1	3191.7
4880.6	32.5°	5035.1	4932.6	4267.1	3588.7	3131.1	3028.6	3031.5	3051.7	3066.1	3041.6
5341.1	35°	5442.2	5217.0	4251.3	3375.0	2965.1	2882.8	2861.1	2866.9	2871.2	2848.1
5899.8	37.5°	5917.1	5536.0	4180.5	3138.3	2827.9	2739.9	2693.7	2654.7	2631.6	2609.9
6532.1	40°	6438.2	5883.9	4050.6	2907.3	2674.9	2588.3	2519.0	2445.4	2367.4	2338.6
7201.9	42.5°	6983.9	6241.9	3893.3	2686.5	2498.8	2428.1	2354.4	2247.6	2130.7	2071.5
7897.7	45°	7549.8	6608.6	3738.8	2468.5	2318.3	2288.0	2202.9	2074.4	1947.4	1872.3
8594.9	47.5°	8104.1	6955.0	3512.2	2249.1	2149.4	2182.7	2116.2	1997.9	1856.4	1738.0
9286.4	50°	8633.9	7279.8	3141.2	2026.7	2012.3	2150.9	2087.4	1917.0	1755.4	1603.8
9964.8	52.5°	9159.3	7542.6	2666.2	1824.6	1938.7	2142.2	2049.8	1862.2	1664.4	1505.6
10602.9	55°	9605.4	7678.3	2208.6	1651.4	1831.9	2068.6	2005.1	1797.2	1535.9	1367.0
11040.3	57.5°	9859.5	7568.5	1827.5	1481.1	1684.6	1947.4	1928.6	1658.6	1382.9	1253.0
11125.5	60°	9749.7	7123.9	1515.7	1332.4	1544.6	1816.0	1795.8	1521.5	1266.0	1143.3
10669.3	62.5°	9144.9	6276.6	1268.9	1202.5	1417.6	1681.7	1663.0	1416.1	1176.5	1058.1
9458.2	65°	7926.5	5105.8	1076.9	1094.2	1289.1	1520.1	1547.5	1328.1	1105.8	990.3
7317.4	67.5°	6045.6	3698.4	926.8	1000.4	1163.5	1361.3	1440.7	1264.6	1046.6	936.9
4233.9	70°	3445.8	2100.4	799.7	909.4	1052.3	1214.0	1358.4	1214.0	983.1	892.1
1586.5	72.5°	1306.4	964.3	691.5	818.5	945.5	1089.9	1267.4	1134.6	909.4	841.6
819.9	75°	697.2	587.5	581.8	711.7	822.8	968.6	1153.4	1056.7	854.6	889.2
567.3	77.5°	474.9	415.7	486.5	609.2	688.6	834.4	1032.1	938.3	740.5	737.7
392.6	80°	329.1	294.5	395.5	490.8	532.7	701.6	900.8	805.5	603.4	563.0
242.5	82.5°	197.8	192.0	295.9	366.7	376.8	541.3	746.3	675.6	493.7	430.2
144.4	85°	108.3	114.0	189.1	215.1	219.4	378.2	584.6	522.6	379.7	319.0
52.0	87.5°	30.3	39.0	69.3	85.2	105.4	196.3	347.9	310.4	190.5	132.8
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°
3558.4
3819.6
3985.6
4033.3
4007.3
3946.7
3862.9
3721.5
3567.0
3468.9
3388.0
3298.5
3198.9
3053.1
2864.0
2624.4
2351.5
2078.7
1866.5
1725.0
1590.8
1488.3
1352.6
1235.7
1126.0
1039.4
971.5
919.5
880.6
830.0
918.1
679.9
538.4
433.1
321.9
132.8
0.0

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