

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: P852631

Luminaire Tested: **GLAN-SB5B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852631
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-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 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: 27158 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

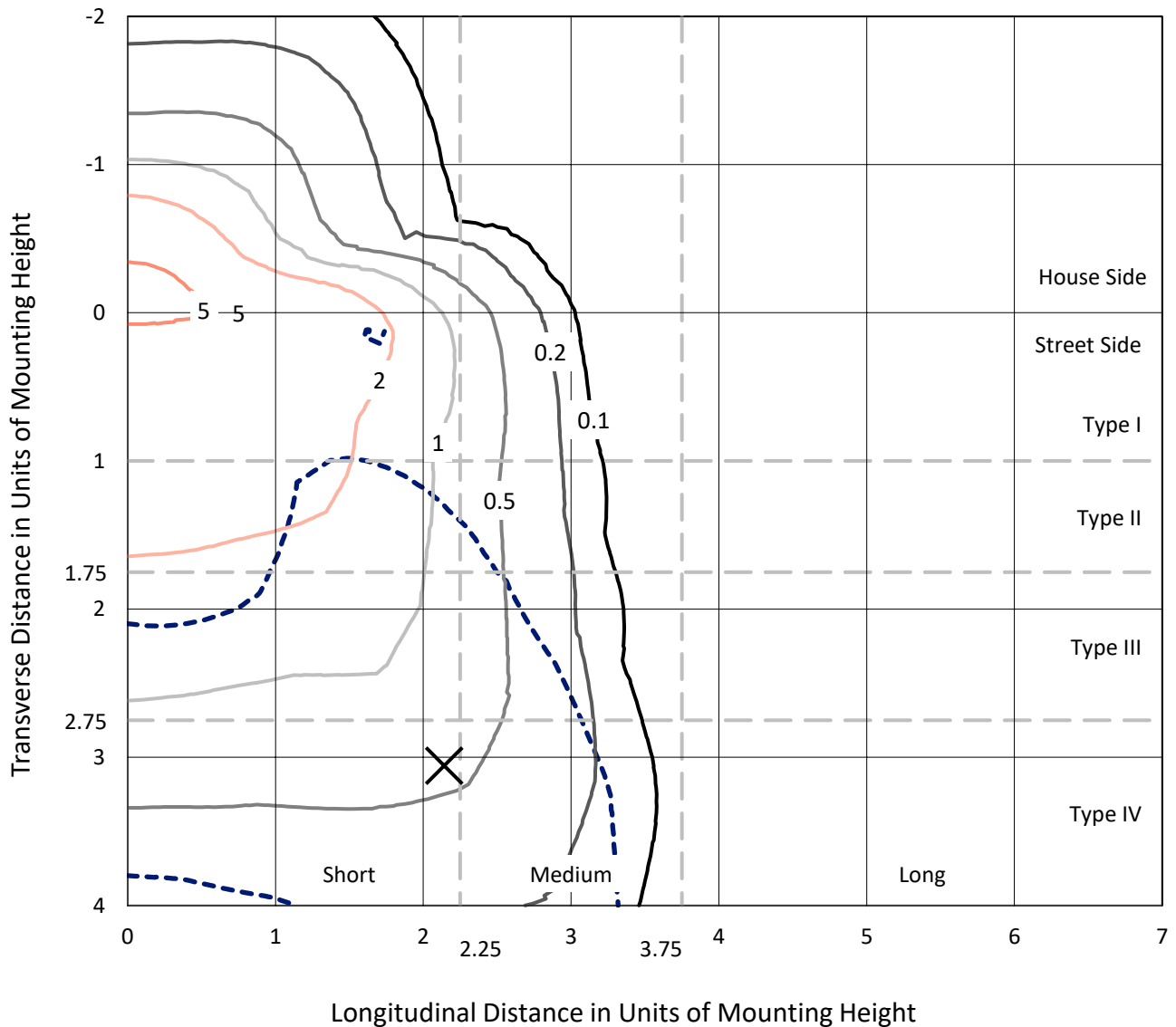
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

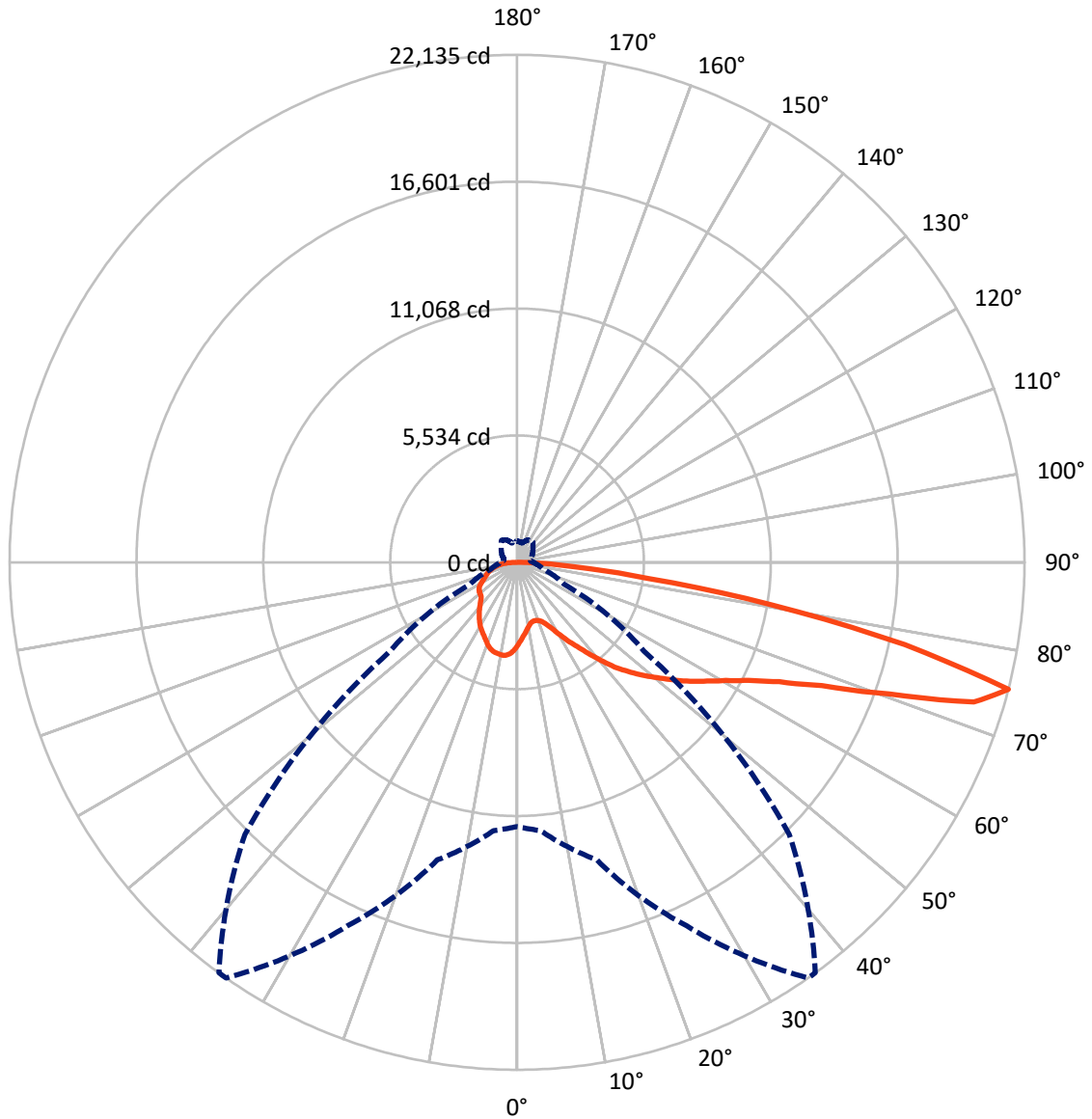
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	6462.9	0.0	6462.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20695.1	0.0	20695.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	27158.0	0.0	27158.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.6	1.3
10°-20°	988.3	3.6
20°-30°	1659.7	6.1
30°-40°	2579.4	9.5
40°-50°	3828.5	14.1
50°-60°	5285.4	19.5
60°-70°	6412.4	23.6
70°-80°	5299.4	19.5
80°-90°	762.2	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°	27158.0	100.0
0°-180°	27158.0	100.0

Coefficient of Utilization

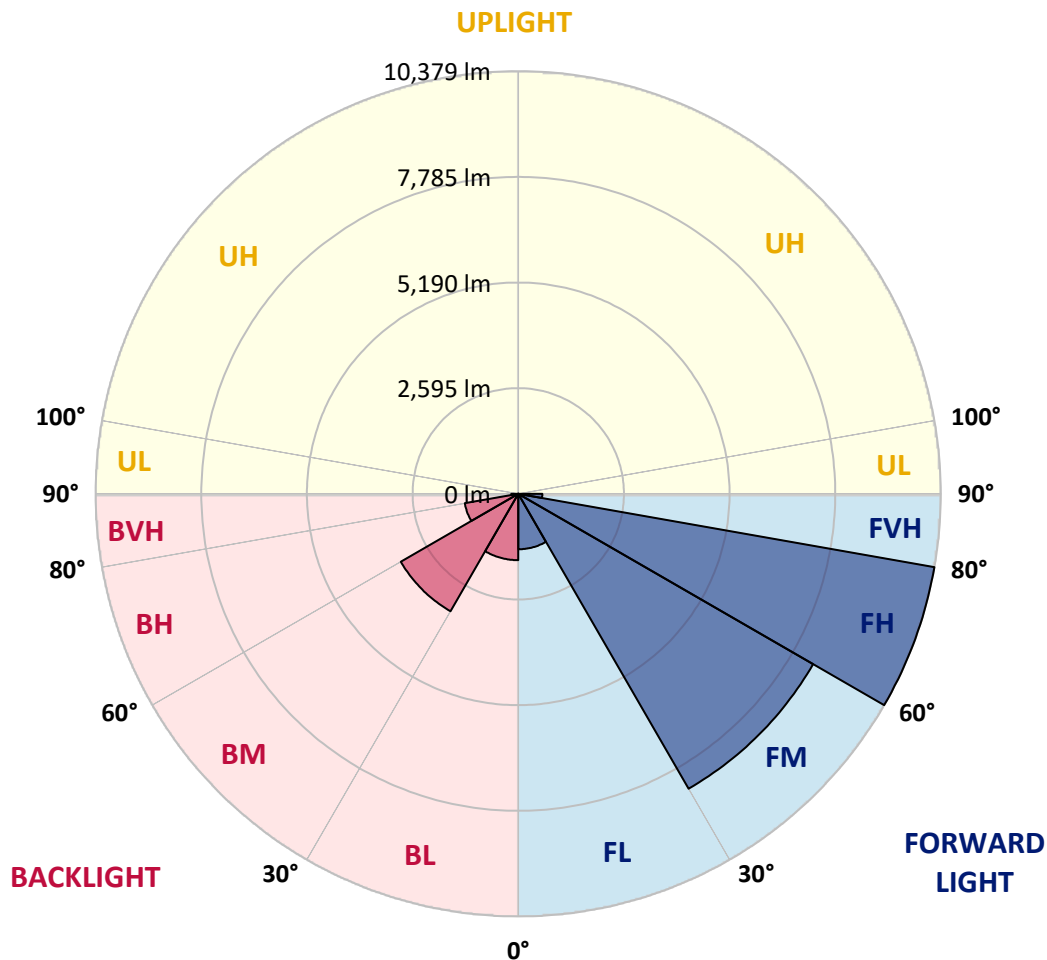


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.9	5.0			
FM (30°-60°)	8363.2	30.8			
FH (60°-80°)	10379.4	38.2			G4/12000
FVH (80°-90°)	590.6	2.2			G4/750
BL (0°-30°)	1628.7	6.0	B3/2500		
BM (30°-60°)	3330.1	12.3	B3/5000		
BH (60°-80°)	1332.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	171.6	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°	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0
2.5°	3337.1	3357.7	3366.5	3362.1	3384.1	3381.1	3412.0	3450.2	3503.0	3554.4
5°	3080.2	3102.2	3121.3	3138.9	3181.5	3194.7	3243.1	3316.5	3413.4	3511.8
7.5°	2840.9	2860.0	2889.3	2921.6	2993.6	3006.8	3087.5	3202.0	3337.1	3481.0
10°	2645.6	2664.7	2695.5	2732.2	2821.8	2837.9	2940.7	3093.4	3269.6	3451.6
12.5°	2561.9	2567.8	2585.4	2622.1	2699.9	2710.2	2823.3	2998.0	3203.5	3429.6
15°	2557.5	2569.3	2570.7	2589.8	2654.4	2658.8	2763.1	2936.3	3162.4	3425.2
17.5°	2601.6	2610.4	2597.2	2608.9	2663.2	2670.6	2752.8	2906.9	3149.2	3444.3
20°	2719.0	2726.4	2686.7	2670.6	2710.2	2716.1	2796.8	2926.0	3162.4	3483.9
22.5°	2968.6	2973.0	2876.1	2810.0	2813.0	2815.9	2886.4	3003.8	3213.8	3555.9
25°	3357.7	3354.7	3200.6	3072.8	2999.4	2983.3	3030.3	3130.1	3300.4	3651.3
27.5°	3812.8	3790.8	3636.6	3445.7	3285.7	3262.2	3251.9	3294.5	3423.7	3777.5
30°	4326.6	4306.1	4140.2	3890.6	3668.9	3630.7	3533.8	3511.8	3607.2	3949.3
32.5°	4890.4	4877.2	4679.0	4376.6	4080.0	4035.9	3873.0	3814.3	3889.1	4209.2
35°	5363.1	5351.4	5187.0	4875.7	4513.1	4458.8	4292.9	4226.8	4265.0	4542.5
37.5°	5790.4	5784.5	5643.6	5398.4	5024.0	4957.9	4771.5	4749.5	4742.1	4981.4
40°	6186.8	6172.1	6025.3	5896.1	5618.6	5558.4	5394.0	5374.9	5319.1	5521.7
42.5°	6625.8	6587.6	6374.7	6314.5	6239.6	6189.7	6091.4	6094.3	5971.0	6131.0
45°	6984.0	6962.0	6743.2	6708.0	6788.7	6768.2	6853.3	6875.3	6636.0	6769.6
47.5°	7368.6	7348.1	7163.1	7138.1	7356.9	7362.8	7663.7	7671.1	7285.0	7433.2
50°	7842.9	7813.5	7630.0	7660.8	7906.0	7928.0	8478.6	8428.6	7882.5	8107.1
52.5°	8155.6	8173.2	8133.5	8183.5	8518.2	8538.8	9280.2	9152.4	8474.2	8772.2
55°	8386.1	8421.3	8544.6	8659.1	9164.2	9184.7	10036.3	9841.0	8964.5	9388.8
57.5°	8682.6	8632.7	8863.2	9086.4	9777.9	9832.2	10771.8	10504.6	9399.1	9920.3
60°	9108.4	9073.2	9252.3	9582.6	10465.0	10551.6	11549.9	11102.1	9717.7	10341.6
62.5°	9971.7	9883.6	9911.5	10203.6	11331.2	11445.7	12427.9	11623.3	9876.2	10506.1
65°	11262.2	11111.0	10970.0	11172.6	12551.2	12664.3	13418.9	12032.9	9817.5	10187.5
67.5°	12887.4	12737.7	12564.4	12755.3	14348.2	14437.8	14641.8	12263.4	9355.0	8960.1
70°	14227.8	14172.0	14379.1	15164.5	17218.5	17221.4	16209.8	12072.6	8088.0	6352.7
72.5°	14050.2	14016.4	15107.3	17535.6	20836.0	20758.2	17694.1	10627.9	5448.3	2865.8
75°	11526.4	11745.2	13435.0	17493.0	22135.3	22125.0	16785.3	6756.4	2253.6	1187.7
77.5°	6180.9	6527.4	8722.3	12915.3	17280.1	17540.0	11801.0	2363.7	967.5	760.5
80°	2015.8	2318.2	3476.6	6575.8	11228.4	11180.0	5057.8	927.9	662.1	538.8
82.5°	855.9	891.2	1553.3	3105.1	5762.5	5672.9	1610.6	532.9	465.4	368.5
85°	334.7	374.4	685.6	1435.8	2495.9	2441.5	581.4	264.3	298.0	240.8
87.5°	110.1	133.6	245.2	491.8	776.7	748.8	142.4	91.0	129.2	110.1
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°
3619.0	0°	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0
3629.3	2.5°	3649.8	3673.3	3701.2	3742.3	3777.5	3806.9	3837.7	3856.8	3864.2	3886.2
3635.1	5°	3676.2	3727.6	3796.6	3864.2	3930.2	3969.9	4005.1	4022.7	4038.9	4050.6
3651.3	7.5°	3720.3	3786.4	3895.0	3983.1	4038.9	4071.2	4094.7	4088.8	4094.7	4097.6
3668.9	10°	3758.5	3851.0	3980.2	4063.8	4106.4	4107.9	4102.0	4081.5	4071.2	4072.6
3695.3	12.5°	3804.0	3906.7	4046.2	4116.7	4128.4	4096.1	4071.2	4035.9	4022.7	4016.9
3735.0	15°	3865.6	3983.1	4118.2	4144.6	4115.2	4074.1	4031.5	3974.3	3944.9	3921.4
3802.5	17.5°	3940.5	4069.7	4173.9	4154.9	4091.7	4024.2	3955.2	3868.6	3808.4	3783.4
3895.0	20°	4044.8	4160.7	4216.5	4132.8	4037.4	3934.6	3817.2	3711.5	3655.7	3630.7
4012.5	22.5°	4171.0	4282.6	4257.6	4094.7	3959.6	3795.2	3648.4	3570.5	3542.6	3525.0
4163.7	25°	4322.2	4417.7	4287.0	4038.9	3831.9	3610.2	3497.1	3472.2	3459.0	3445.7
4348.7	27.5°	4519.0	4570.3	4309.0	3956.7	3632.2	3413.4	3372.3	3376.7	3372.3	3350.3
4605.6	30°	4778.8	4768.5	4329.6	3823.1	3403.2	3235.8	3238.7	3257.8	3260.8	3246.1
4963.8	32.5°	5120.9	5016.7	4339.8	3649.8	3184.4	3080.2	3083.1	3103.7	3118.3	3093.4
5432.2	35°	5534.9	5305.9	4323.7	3432.5	3015.6	2931.9	2909.9	2915.7	2920.1	2896.7
6000.3	37.5°	6017.9	5630.4	4251.8	3191.8	2876.1	2786.5	2739.6	2699.9	2676.4	2654.4
6643.4	40°	6547.9	5984.2	4119.6	2956.9	2720.5	2632.4	2561.9	2487.0	2407.8	2378.4
7324.6	42.5°	7102.9	6348.3	3959.6	2732.2	2541.4	2469.4	2394.6	2285.9	2167.0	2106.8
8032.2	45°	7678.4	6721.2	3802.5	2510.5	2357.8	2327.0	2240.4	2109.7	1980.5	1904.2
8741.4	47.5°	8242.2	7073.5	3572.0	2287.4	2186.1	2219.8	2152.3	2031.9	1888.0	1767.7
9444.6	50°	8781.0	7403.9	3194.7	2061.3	2046.6	2187.5	2122.9	1949.7	1785.3	1631.1
10134.6	52.5°	9315.4	7671.1	2711.7	1855.7	1971.7	2178.7	2084.8	1893.9	1692.8	1531.3
10783.6	55°	9769.1	7809.1	2246.3	1679.6	1863.1	2103.9	2039.3	1827.8	1562.1	1390.3
11228.4	57.5°	10027.5	7697.5	1858.7	1506.3	1713.3	1980.5	1961.4	1686.9	1406.5	1274.4
11315.0	60°	9915.9	7245.3	1541.6	1355.1	1570.9	1846.9	1826.4	1547.4	1287.6	1162.8
10851.1	62.5°	9300.7	6383.5	1290.5	1223.0	1441.7	1710.4	1691.3	1440.3	1196.5	1076.2
9619.3	65°	8061.6	5192.8	1095.2	1112.9	1311.1	1546.0	1573.9	1350.7	1124.6	1007.2
7442.0	67.5°	6148.6	3761.4	942.6	1017.4	1183.3	1384.5	1465.2	1286.1	1064.4	952.8
4306.1	70°	3504.5	2136.2	813.4	924.9	1070.3	1234.7	1381.5	1234.7	999.8	907.3
1613.5	72.5°	1328.7	980.7	703.2	832.4	961.6	1108.5	1289.0	1154.0	924.9	855.9
833.9	75°	709.1	597.5	591.7	723.8	836.8	985.1	1173.1	1074.7	869.1	904.4
577.0	77.5°	483.0	422.8	494.8	619.6	700.3	848.6	1049.7	954.3	753.2	750.2
399.3	80°	334.7	299.5	402.3	499.2	541.7	713.5	916.1	819.2	613.7	572.6
246.6	82.5°	201.1	195.3	301.0	372.9	383.2	550.6	759.0	687.1	502.1	437.5
146.8	85°	110.1	116.0	192.3	218.8	223.2	384.7	594.6	531.5	386.1	324.5
52.9	87.5°	30.8	39.6	70.5	86.6	107.2	199.7	353.8	315.7	193.8	135.1
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°
3619.0
3884.7
4053.6
4102.0
4075.6
4013.9
3928.8
3784.9
3627.8
3528.0
3445.7
3354.7
3253.4
3105.1
2912.8
2669.1
2391.6
2114.1
1898.3
1754.4
1617.9
1513.7
1375.7
1256.7
1145.2
1057.1
988.1
935.2
895.6
844.2
933.7
691.5
547.6
440.4
327.4
135.1
0.0

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