

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: P848876

Luminaire Tested: **GLAN-SB5C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24139 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

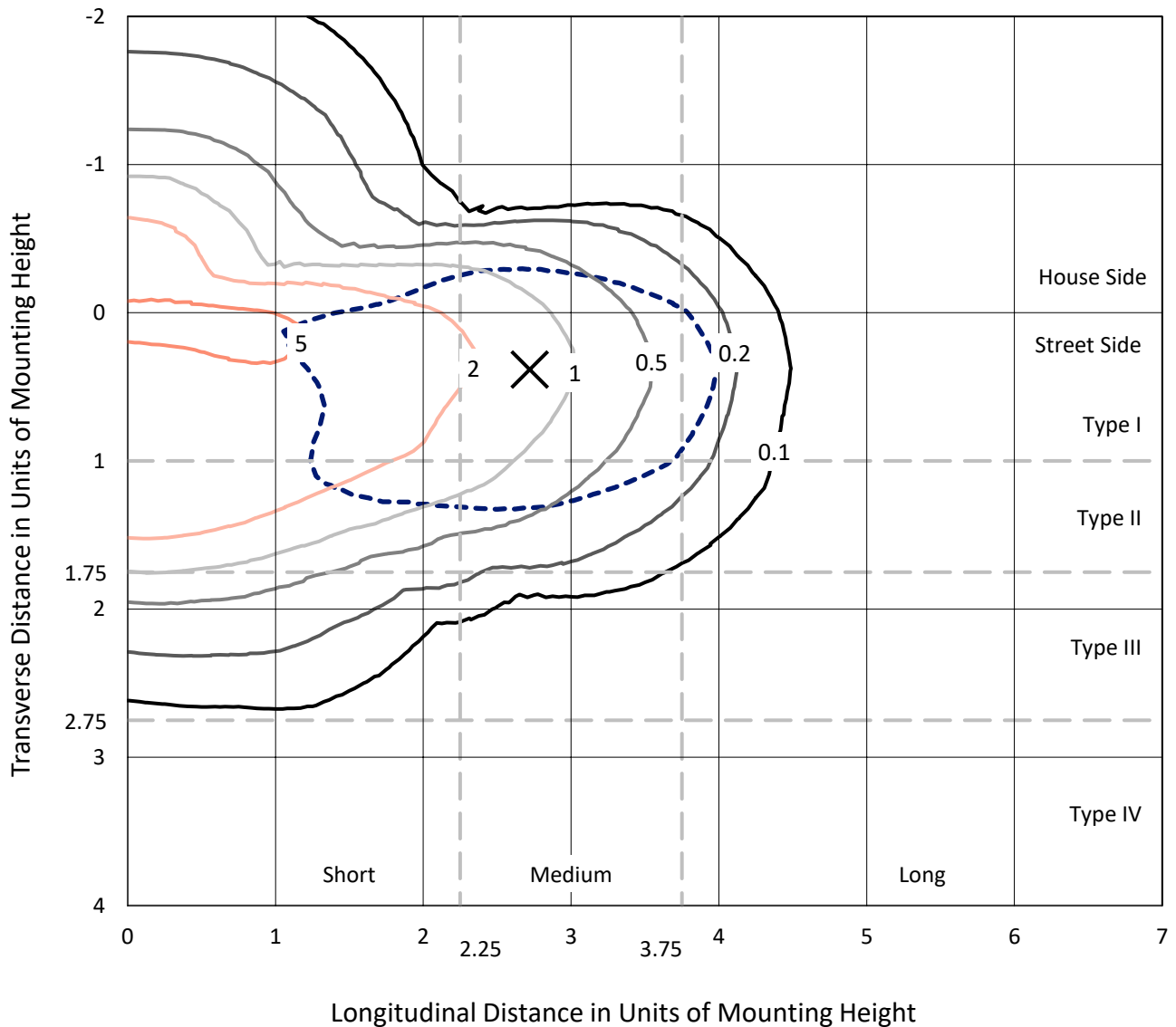
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

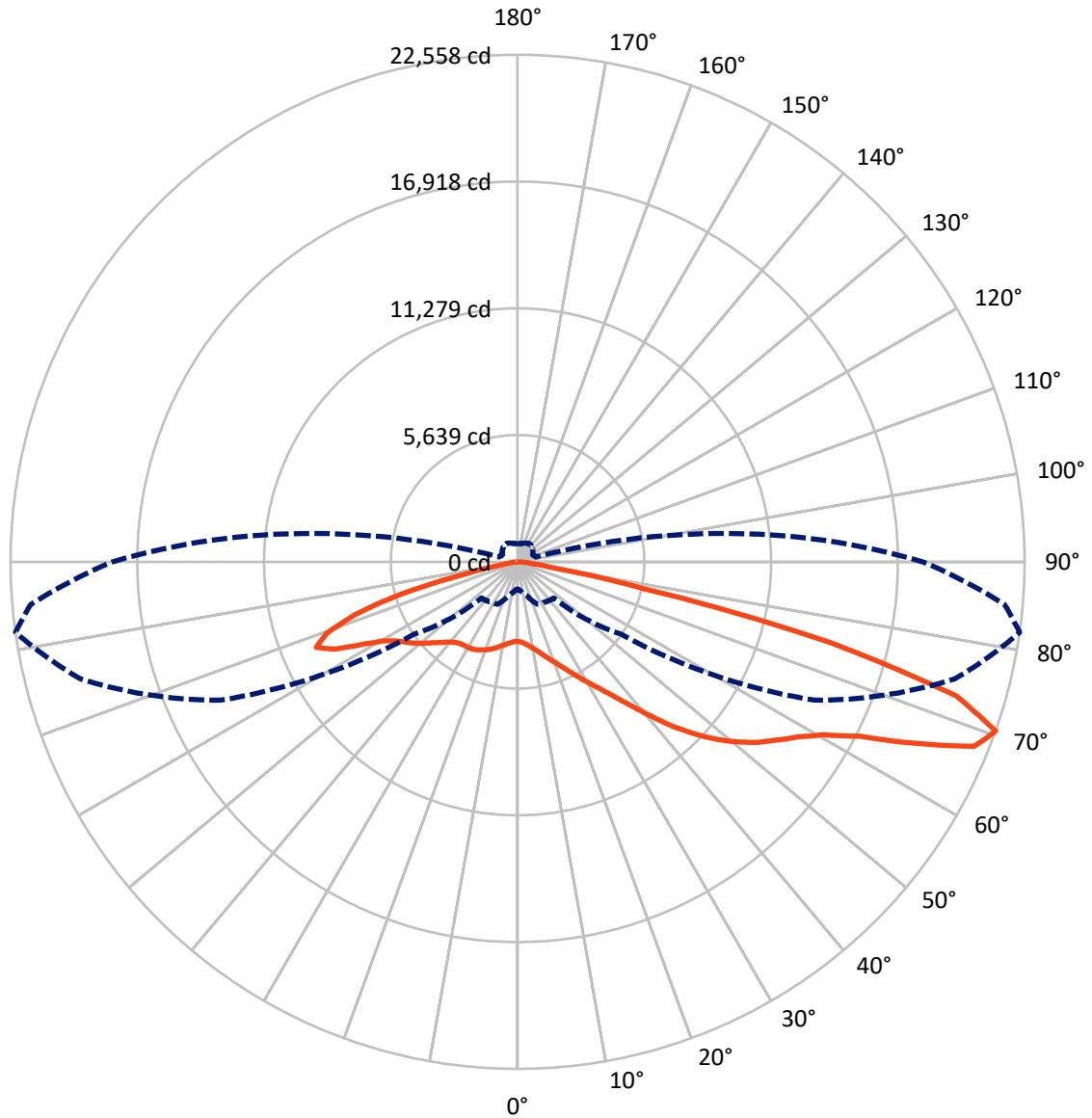
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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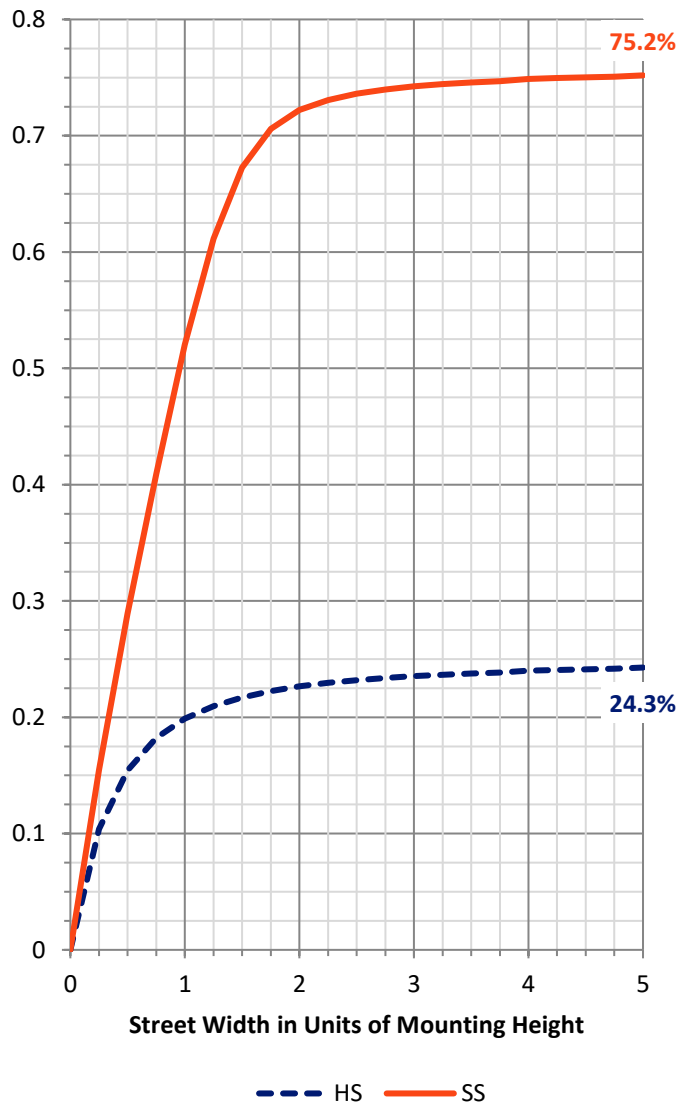
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5950.9	0.0	5950.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18188.2	0.0	18188.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	24139.0	0.0	24139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.2	1.4
10°-20°	960.0	4.0
20°-30°	1606.0	6.7
30°-40°	2509.1	10.4
40°-50°	3996.0	16.6
50°-60°	5560.9	23.0
60°-70°	5816.9	24.1
70°-80°	3040.2	12.6
80°-90°	315.7	1.3
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°	24139.0	100.0
0°-180°	24139.0	100.0

Coefficient of Utilization



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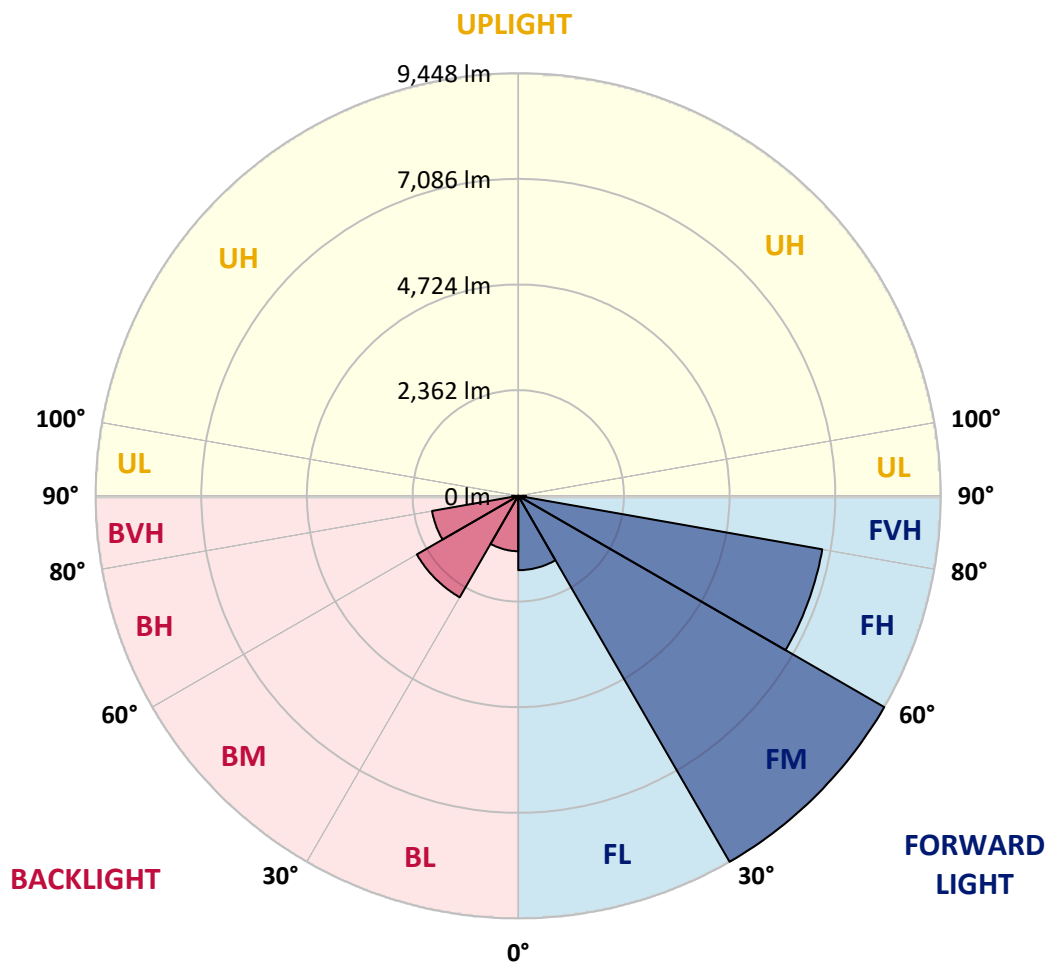
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1662.2	6.9			
FM (30°-60°)	9447.8	39.1			
FH (60°-80°)	6901.4	28.6			G3/7500
FVH (80°-90°)	176.7	0.7			G2/225
BL (0°-30°)	1238.0	5.1	B3/2500		
BM (30°-60°)	2618.1	10.8	B3/5000		
BH (60°-80°)	1955.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	139.0	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1
2.5°	3623.6	3644.1	3637.7	3631.3	3631.3	3622.3	3621.1	3608.2	3598.0	3581.3
5°	3669.7	3691.5	3688.9	3694.1	3710.7	3714.6	3718.4	3710.7	3690.2	3669.7
7.5°	3628.7	3653.1	3660.8	3691.5	3742.7	3788.9	3823.4	3837.5	3818.3	3788.9
10°	3490.4	3517.3	3544.2	3617.2	3708.2	3817.0	3909.3	3964.3	3960.5	3932.3
12.5°	3209.9	3238.1	3295.7	3437.9	3604.4	3796.5	3968.2	4083.5	4123.2	4102.7
15°	2985.7	3010.1	3053.6	3199.6	3416.1	3708.2	3990.0	4214.1	4315.3	4303.8
17.5°	2979.3	2989.6	3016.5	3085.6	3252.2	3569.8	3966.9	4342.2	4535.6	4534.3
20°	3092.1	3095.9	3111.3	3125.4	3220.1	3464.8	3908.0	4448.5	4782.8	4782.8
22.5°	3248.3	3245.8	3261.1	3248.3	3294.4	3455.8	3870.8	4542.0	5058.2	5078.7
25°	3482.7	3469.9	3466.1	3436.6	3445.6	3539.1	3911.8	4648.3	5384.8	5427.1
27.5°	3795.3	3774.8	3760.7	3692.8	3669.7	3710.7	4037.3	4776.4	5748.6	5821.6
30°	4202.6	4165.4	4144.9	4027.1	3943.8	3950.2	4226.9	4946.8	6129.0	6246.9
32.5°	4758.5	4700.8	4645.8	4452.3	4299.9	4250.0	4471.6	5182.5	6541.5	6729.8
35°	5381.0	5334.9	5276.0	4977.5	4743.1	4627.8	4802.0	5511.6	7024.4	7322.8
37.5°	5980.4	5940.7	5968.9	5566.7	5264.4	5096.6	5235.0	5953.5	7620.0	8060.6
40°	6600.4	6569.6	6573.5	6189.2	5837.0	5648.7	5760.1	6508.2	8302.7	8938.0
42.5°	7274.1	7251.1	7174.2	6833.5	6437.7	6262.2	6364.7	7148.6	9035.3	9937.1
45°	8028.6	8014.5	7942.8	7552.1	7098.7	6901.4	7039.7	7855.7	9771.9	10877.3
47.5°	8680.5	8692.1	8683.1	8353.9	7883.8	7594.4	7759.6	8593.4	10457.1	11761.1
50°	8994.4	9054.6	9142.9	9040.5	8748.4	8453.8	8485.8	9305.6	11110.4	12589.8
52.5°	8830.4	8944.4	9185.2	9349.2	9461.9	9400.4	9314.6	10012.7	11725.2	13337.8
55°	8219.4	8379.5	8779.2	9175.0	9750.1	10197.1	10309.8	10796.6	12324.7	13996.2
57.5°	7106.3	7366.4	7725.0	8525.6	9493.9	10582.7	11470.3	11884.0	12960.0	14699.4
60°	5197.8	5546.2	5992.0	7183.2	8597.3	10376.4	12457.9	13554.3	13863.0	15610.1
62.5°	3326.5	3541.6	3951.5	5073.6	6699.0	9319.7	12760.2	15642.1	15393.6	17103.6
65°	2277.4	2415.7	2791.0	3421.2	4330.7	6937.3	11950.6	17207.4	17824.8	19470.7
67.5°	1654.9	1759.9	2080.2	2632.2	2821.8	4105.2	9273.6	17135.7	20188.0	21909.5
70°	1206.6	1280.9	1549.9	2080.2	2171.1	2283.8	5618.0	14566.2	20136.8	22557.6
72.5°	894.1	945.3	1125.9	1613.9	1757.4	1542.2	2780.8	10586.5	17303.4	20403.2
75°	646.8	685.3	818.5	1234.8	1406.4	1174.6	1387.2	6186.7	12069.8	14352.3
77.5°	494.4	523.9	611.0	904.3	1125.9	881.2	860.8	2846.1	5723.0	5751.2
80°	397.1	416.3	463.7	636.6	863.3	659.7	561.0	1149.0	1808.6	1530.7
82.5°	292.0	324.1	392.0	447.0	617.4	454.7	342.0	580.2	687.8	591.8
85°	166.5	188.3	237.0	320.2	394.5	278.0	196.0	257.5	320.2	262.6
87.5°	58.9	76.9	83.3	125.5	171.6	115.3	75.6	74.3	105.0	78.1
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°
3539.1	0°	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1	3539.1
3577.5	2.5°	3564.7	3558.3	3532.7	3498.1	3462.2	3427.6	3416.1	3391.8	3375.1	3366.2
3660.8	5°	3636.4	3615.9	3555.7	3478.9	3398.2	3311.1	3249.6	3193.2	3152.3	3113.8
3774.8	7.5°	3738.9	3703.0	3599.3	3464.8	3321.3	3176.6	3069.0	2987.0	2931.9	2896.1
3908.0	10°	3858.0	3802.9	3644.1	3443.0	3221.4	3013.9	2887.1	2816.7	2782.1	2762.9
4060.4	12.5°	3995.1	3916.9	3690.2	3393.1	3069.0	2832.0	2744.9	2724.4	2725.7	2727.0
4252.5	15°	4164.2	4055.3	3727.4	3284.2	2870.5	2692.4	2677.0	2710.3	2744.9	2761.6
4470.3	17.5°	4355.0	4201.3	3733.8	3104.9	2675.8	2602.8	2651.4	2723.2	2775.7	2798.7
4713.6	20°	4559.9	4349.9	3687.7	2851.2	2515.7	2529.7	2616.8	2709.1	2766.7	2796.2
4991.6	22.5°	4794.3	4508.7	3577.5	2584.8	2385.0	2450.3	2552.8	2642.5	2702.7	2732.1
5318.2	25°	5062.0	4686.8	3404.6	2360.7	2272.3	2360.7	2463.1	2537.4	2586.1	2613.0
5683.3	27.5°	5359.2	4872.5	3174.0	2182.6	2173.7	2268.4	2353.0	2410.6	2436.2	2456.7
6071.4	30°	5657.7	5041.6	2894.8	2048.1	2087.8	2177.5	2237.7	2263.3	2271.0	2274.8
6504.3	32.5°	5980.4	5187.6	2601.5	1936.7	2005.9	2089.1	2125.0	2136.5	2100.6	2076.3
7029.5	35°	6371.1	5343.8	2314.6	1848.3	1925.2	1996.9	2008.4	1998.2	1955.9	1906.0
7687.9	37.5°	6854.0	5538.5	2085.3	1785.6	1849.6	1897.0	1882.9	1880.3	1884.2	1825.3
8479.4	40°	7445.8	5792.2	1917.5	1736.9	1788.1	1798.4	1758.7	1780.4	1799.6	1710.0
9347.9	42.5°	8102.9	6098.3	1811.2	1703.6	1736.9	1712.5	1651.1	1675.4	1672.8	1555.0
10220.2	45°	8772.8	6431.3	1774.0	1679.2	1689.5	1640.8	1572.9	1579.3	1525.5	1419.2
11056.6	47.5°	9438.8	6788.7	1797.1	1658.7	1630.6	1575.5	1523.0	1494.8	1415.4	1336.0
11858.4	50°	10092.1	7164.0	1881.6	1617.8	1549.9	1517.8	1479.4	1429.5	1344.9	1277.0
12616.7	52.5°	10697.9	7541.8	1976.4	1549.9	1448.7	1467.9	1443.6	1385.9	1302.7	1233.5
13334.0	55°	11271.8	7919.7	2013.5	1456.4	1353.9	1424.3	1410.3	1303.9	1204.0	1147.7
14084.6	57.5°	11896.8	8374.4	1972.6	1337.2	1277.0	1374.4	1320.6	1202.7	1145.1	1102.8
15061.9	60°	12762.7	9087.9	1884.2	1189.9	1204.0	1300.1	1207.9	1159.2	1096.4	1049.0
16527.2	62.5°	14201.1	10418.7	1742.0	1043.9	1118.2	1189.9	1154.1	1105.4	1041.4	995.2
19032.6	65°	16327.4	12268.3	1474.3	929.9	1022.1	1082.3	1096.4	1047.8	981.2	932.5
21228.1	67.5°	18120.6	13428.8	1115.6	835.1	923.5	995.2	1035.0	987.6	917.1	869.7
21741.7	70°	18022.0	12586.0	851.8	741.6	836.4	909.4	960.7	923.5	847.9	803.1
19748.7	72.5°	16007.2	10528.9	689.1	646.8	748.0	819.8	881.2	853.1	776.2	732.7
14467.6	75°	11759.8	7474.0	550.8	550.8	637.9	726.3	794.1	776.2	705.8	675.0
6073.9	77.5°	4957.0	3135.6	431.7	457.3	530.3	623.8	708.3	714.7	653.3	691.7
1606.2	80°	1318.0	864.6	329.2	359.9	416.3	514.9	616.1	613.5	546.9	511.1
596.9	82.5°	502.1	340.7	234.4	253.6	301.0	394.5	488.0	503.4	436.8	377.9
234.4	85°	193.4	146.0	144.7	152.4	175.5	261.3	368.9	381.7	329.2	279.2
65.3	87.5°	50.0	43.6	53.8	51.2	80.7	139.6	211.3	219.0	201.1	116.6
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°
3539.1
3376.4
3129.2
2903.8
2768.0
2729.6
2760.3
2803.9
2803.9
2739.8
2620.7
2464.4
2283.8
2084.0
1908.5
1829.1
1712.5
1553.7
1423.1
1336.0
1271.9
1234.8
1142.5
1099.0
1046.5
995.2
935.0
871.0
807.0
732.7
666.1
627.6
475.2
377.9
288.2
166.5
0.0

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