

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: P849866

Luminaire Tested: **GLAN-SB7A-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849866
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-SB7A-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26172 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

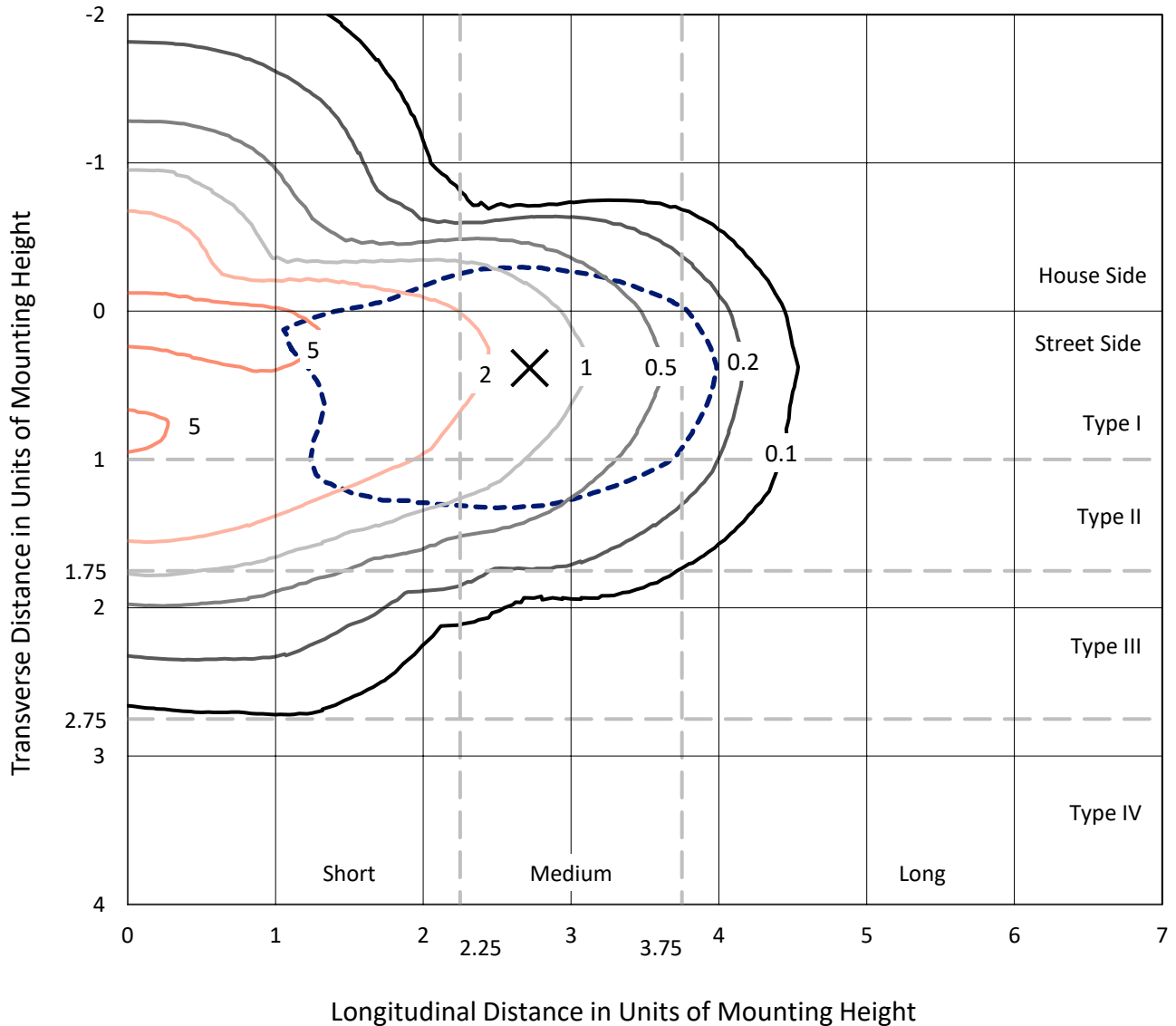
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

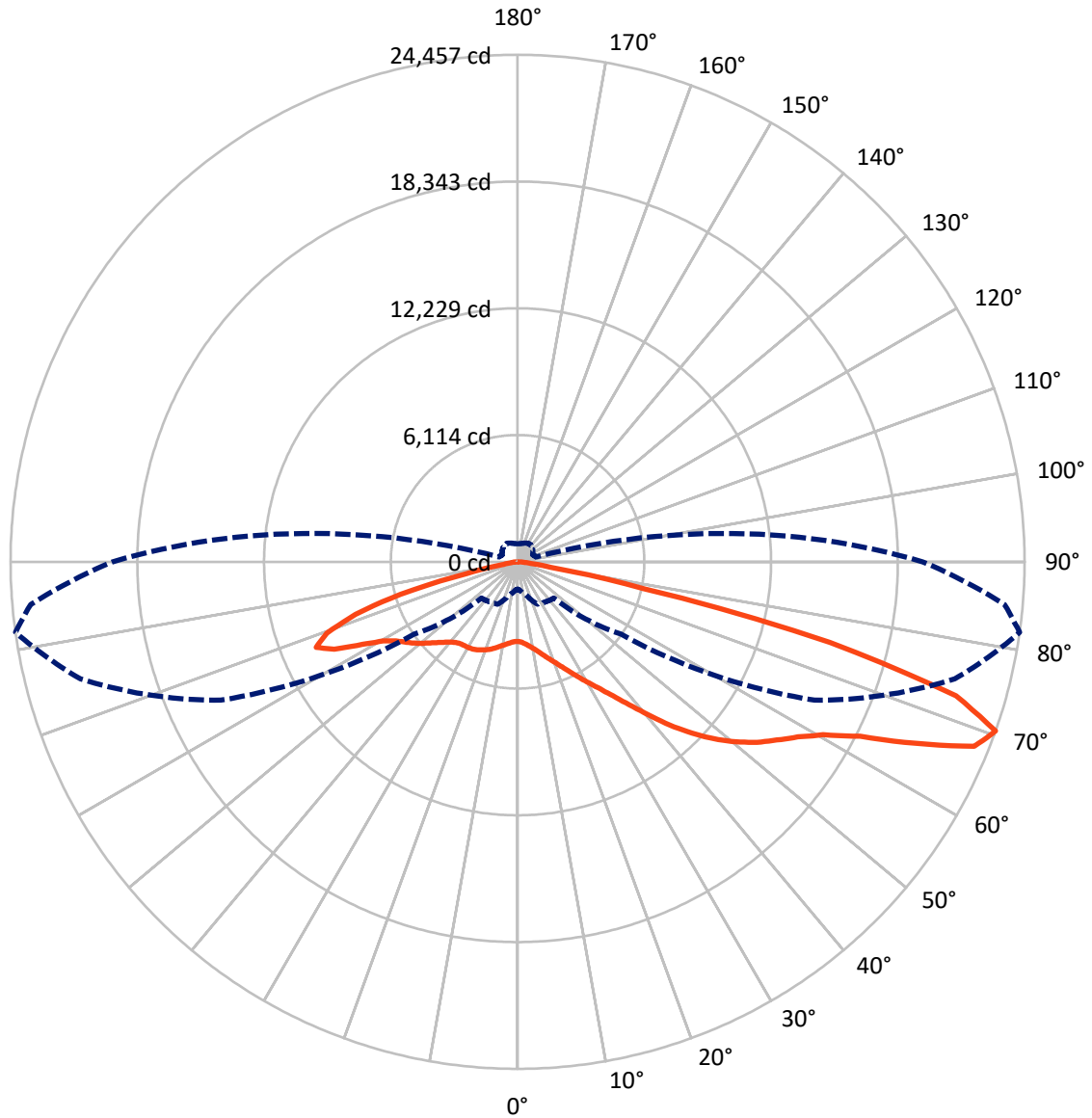
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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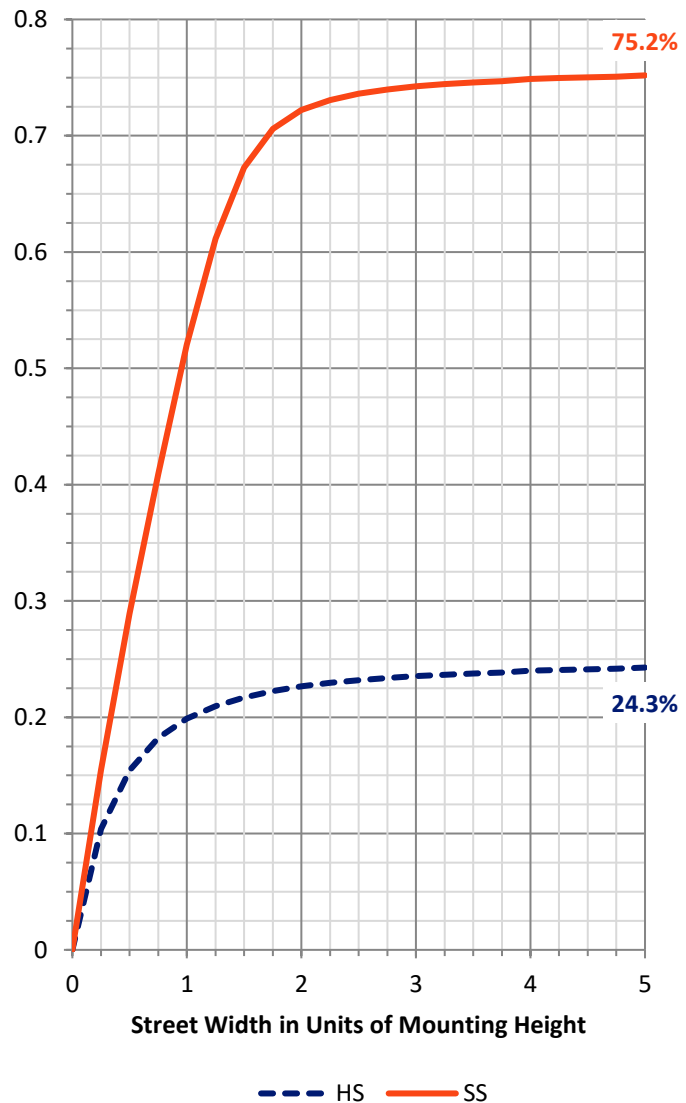
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6452.0	0.0	6452.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19720.0	0.0	19720.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	26172.0	0.0	26172.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.3	1.4
10°-20°	1040.9	4.0
20°-30°	1741.3	6.7
30°-40°	2720.4	10.4
40°-50°	4332.5	16.6
50°-60°	6029.2	23.0
60°-70°	6306.8	24.1
70°-80°	3296.3	12.6
80°-90°	342.3	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°	26172.0	100.0
0°-180°	26172.0	100.0

Coefficient of Utilization



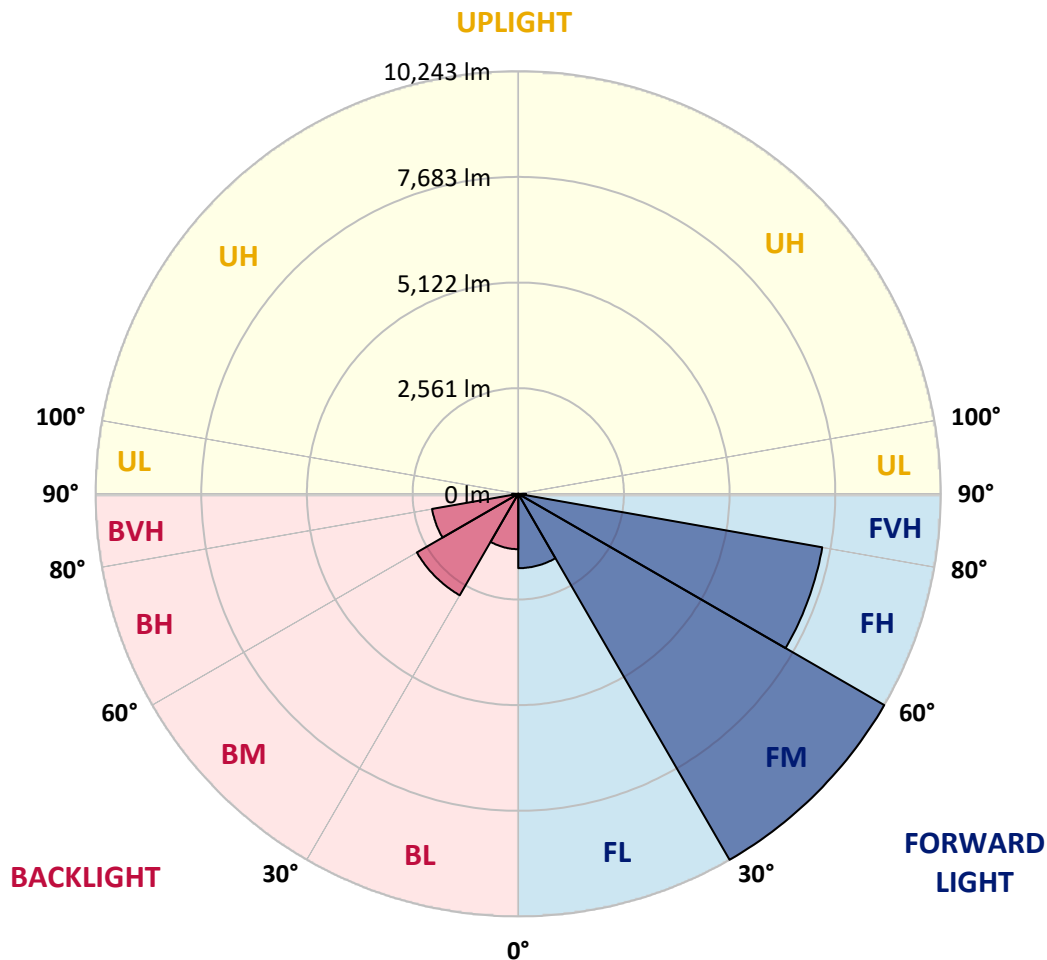
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1802.2	6.9			
FM (30°-60°)	10243.5	39.1			
FH (60°-80°)	7482.7	28.6			G3/7500
FVH (80°-90°)	191.6	0.7			G2/225
BL (0°-30°)	1342.3	5.1	B3/2500		
BM (30°-60°)	2838.6	10.8	B3/5000		
BH (60°-80°)	2120.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	150.7	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°	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1
2.5°	3928.8	3951.0	3944.1	3937.1	3937.1	3927.4	3926.0	3912.1	3901.0	3883.0
5°	3978.8	4002.4	3999.6	4005.2	4023.2	4027.4	4031.6	4023.2	4001.0	3978.8
7.5°	3934.4	3960.7	3969.1	4002.4	4058.0	4108.0	4145.4	4160.7	4139.9	4108.0
10°	3784.4	3813.5	3842.7	3921.9	4020.5	4138.5	4238.5	4298.2	4294.0	4263.5
12.5°	3480.2	3510.8	3573.3	3727.4	3908.0	4116.3	4302.4	4427.4	4470.4	4448.2
15°	3237.2	3263.6	3310.8	3469.1	3703.8	4020.5	4326.0	4569.0	4678.7	4666.2
17.5°	3230.3	3241.4	3270.5	3345.5	3526.1	3870.5	4301.0	4707.9	4917.6	4916.2
20°	3352.5	3356.6	3373.3	3388.6	3491.3	3756.6	4237.1	4823.2	5185.6	5185.6
22.5°	3521.9	3519.1	3535.8	3521.9	3571.9	3746.9	4196.8	4924.5	5484.2	5506.4
25°	3776.0	3762.1	3758.0	3726.0	3735.8	3837.1	4241.3	5039.8	5838.3	5884.2
27.5°	4114.9	4092.7	4077.4	4003.8	3978.8	4023.2	4377.4	5178.7	6232.8	6311.9
30°	4556.5	4516.2	4494.0	4366.3	4276.0	4282.9	4582.9	5363.4	6645.2	6773.0
32.5°	5159.2	5096.7	5037.0	4827.3	4662.1	4607.9	4848.2	5618.9	7092.4	7296.5
35°	5834.2	5784.2	5720.3	5396.7	5142.6	5017.6	5206.5	5975.8	7616.0	7939.5
37.5°	6484.1	6441.1	6471.6	6035.5	5707.8	5525.9	5675.9	6455.0	8261.7	8739.5
40°	7156.3	7122.9	7127.1	6710.5	6328.6	6124.4	6245.3	7056.3	9001.9	9690.8
42.5°	7886.8	7861.8	7778.4	7409.0	6979.9	6789.6	6900.7	7750.7	9796.3	10774.0
45°	8704.7	8689.5	8611.7	8188.1	7696.5	7482.6	7632.6	8517.3	10594.8	11793.3
47.5°	9411.6	9424.1	9414.4	9057.5	8547.8	8234.0	8413.1	9317.2	11337.8	12751.6
50°	9751.9	9817.1	9913.0	9801.9	9485.2	9165.8	9200.5	10089.3	12046.1	13650.1
52.5°	9574.1	9697.7	9958.8	10136.6	10258.8	10192.1	10099.1	10855.9	12712.7	14461.2
55°	8911.7	9085.3	9518.6	9947.7	10571.2	11055.9	11178.1	11705.9	13362.6	15175.0
57.5°	7704.8	7986.8	8375.6	9243.6	10293.5	11473.9	12436.3	12884.9	14051.5	15937.4
60°	5635.6	6013.3	6496.6	7788.2	9321.4	11250.3	13507.1	14695.9	15030.5	16924.8
62.5°	3606.6	3839.9	4284.3	5500.9	7263.2	10104.6	13834.8	16959.5	16690.1	18544.1
65°	2469.2	2619.2	3026.1	3709.4	4695.4	7521.5	12957.1	18656.6	19326.0	21110.5
67.5°	1794.3	1908.2	2255.3	2853.9	3059.4	4451.0	10054.6	18578.8	21888.2	23754.7
70°	1308.2	1388.8	1680.4	2255.3	2353.9	2476.2	6091.1	15793.0	21832.7	24457.4
72.5°	969.4	1024.9	1220.7	1749.8	1905.4	1672.1	3015.0	11478.1	18760.8	22121.5
75°	701.3	743.0	887.4	1338.8	1524.9	1273.5	1504.0	6707.7	13086.3	15561.1
77.5°	536.1	568.0	662.4	980.5	1220.7	955.5	933.2	3085.8	6205.0	6235.5
80°	430.5	451.3	502.7	690.2	936.0	715.2	608.3	1245.7	1960.9	1659.6
82.5°	316.6	351.4	425.0	484.7	669.4	493.0	370.8	629.1	745.8	641.6
85°	180.5	204.1	256.9	347.2	427.7	301.4	212.5	279.1	347.2	284.7
87.5°	63.9	83.3	90.3	136.1	186.1	125.0	81.9	80.5	113.9	84.7
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°
3837.1	0°	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1	3837.1
3878.8	2.5°	3864.9	3858.0	3830.2	3792.7	3753.8	3716.3	3703.8	3677.4	3659.4	3649.7
3969.1	5°	3942.7	3920.5	3855.2	3771.9	3684.4	3589.9	3523.3	3462.2	3417.7	3376.1
4092.7	7.5°	4053.8	4014.9	3902.4	3756.6	3601.1	3444.1	3327.5	3238.6	3178.9	3140.0
4237.1	10°	4182.9	4123.2	3951.0	3733.0	3492.7	3267.8	3130.3	3053.9	3016.4	2995.6
4402.4	12.5°	4331.5	4246.8	4001.0	3678.8	3327.5	3070.5	2976.1	2953.9	2955.3	2956.7
4610.7	15°	4514.9	4396.8	4041.3	3560.8	3112.2	2919.2	2902.5	2938.6	2976.1	2994.2
4846.8	17.5°	4721.8	4555.1	4048.2	3366.4	2901.1	2822.0	2874.7	2952.5	3009.4	3034.4
5110.6	20°	4944.0	4716.2	3998.2	3091.4	2727.5	2742.8	2837.2	2937.2	2999.7	3031.7
5412.0	22.5°	5198.1	4888.4	3878.8	2802.5	2585.9	2656.7	2767.8	2865.0	2930.3	2962.2
5766.1	25°	5488.4	5081.5	3691.3	2559.5	2463.7	2559.5	2670.6	2751.1	2803.9	2833.1
6161.9	27.5°	5810.6	5282.8	3441.3	2366.4	2356.7	2459.5	2551.2	2613.6	2641.4	2663.6
6582.7	30°	6134.2	5466.2	3138.6	2220.6	2263.7	2360.9	2426.2	2453.9	2462.3	2466.4
7052.1	32.5°	6484.1	5624.5	2820.6	2099.8	2174.8	2265.1	2304.0	2316.5	2277.6	2251.2
7621.5	35°	6907.7	5793.9	2509.5	2004.0	2087.3	2165.1	2177.6	2166.5	2120.6	2066.5
8335.3	37.5°	7431.3	6005.0	2260.9	1935.9	2005.4	2056.8	2041.5	2038.7	2042.9	1979.0
9193.6	40°	8072.9	6280.0	2079.0	1883.2	1938.7	1949.8	1906.8	1930.4	1951.2	1854.0
10135.2	42.5°	8785.3	6611.9	1963.7	1847.1	1883.2	1856.8	1790.1	1816.5	1813.7	1686.0
11080.9	45°	9511.6	6973.0	1923.4	1820.7	1831.8	1779.0	1705.4	1712.3	1654.0	1538.7
11987.8	47.5°	10233.8	7360.4	1948.4	1798.4	1767.9	1708.2	1651.2	1620.7	1534.6	1448.5
12857.1	50°	10942.0	7767.3	2040.1	1754.0	1680.4	1645.7	1604.0	1549.9	1458.2	1384.6
13679.3	52.5°	11598.9	8177.0	2142.9	1680.4	1570.7	1591.5	1565.1	1502.6	1412.4	1337.4
14457.0	55°	12221.1	8586.7	2183.1	1579.0	1467.9	1544.3	1529.0	1413.8	1305.4	1244.3
15270.8	57.5°	12898.8	9079.7	2138.7	1449.9	1384.6	1490.1	1431.8	1304.0	1241.6	1195.7
16330.4	60°	13837.6	9853.2	2042.9	1290.2	1305.4	1409.6	1309.6	1256.8	1188.8	1137.4
17919.2	62.5°	15397.2	11296.2	1888.7	1131.8	1212.4	1290.2	1251.3	1198.5	1129.1	1079.1
20635.6	65°	17702.5	13301.5	1598.5	1008.2	1108.2	1173.5	1188.8	1136.0	1063.8	1011.0
23015.9	67.5°	19646.8	14559.8	1209.6	905.5	1001.3	1079.1	1122.1	1070.7	994.4	943.0
23572.8	70°	19539.8	13646.0	923.5	804.1	906.9	986.0	1041.6	1001.3	919.4	870.8
21411.9	72.5°	17355.3	11415.6	747.2	701.3	811.0	888.8	955.5	924.9	841.6	794.4
15686.0	75°	12750.2	8103.4	597.2	597.2	691.6	787.4	861.0	841.6	765.2	731.9
6585.5	77.5°	5374.5	3399.7	468.0	495.8	574.9	676.3	768.0	774.9	708.3	749.9
1741.5	80°	1429.0	937.4	356.9	390.2	451.3	558.3	668.0	665.2	593.0	554.1
647.2	82.5°	544.4	369.4	254.1	275.0	326.4	427.7	529.1	545.8	473.6	409.7
254.1	85°	209.7	158.3	156.9	165.3	190.3	283.3	400.0	413.9	356.9	302.7
70.8	87.5°	54.2	47.2	58.3	55.6	87.5	151.4	229.1	237.5	218.0	126.4
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°
3837.1
3660.8
3392.7
3148.3
3001.1
2959.4
2992.8
3040.0
3040.0
2970.6
2841.4
2672.0
2476.2
2259.5
2069.3
1983.1
1856.8
1684.6
1542.9
1448.5
1379.0
1338.8
1238.8
1191.6
1134.6
1079.1
1013.8
944.4
874.9
794.4
722.2
680.5
515.2
409.7
312.5
180.5
0.0

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