

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: P848506

Luminaire Tested: **GLAN-SB5A-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848506
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-SB5A-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 18590 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

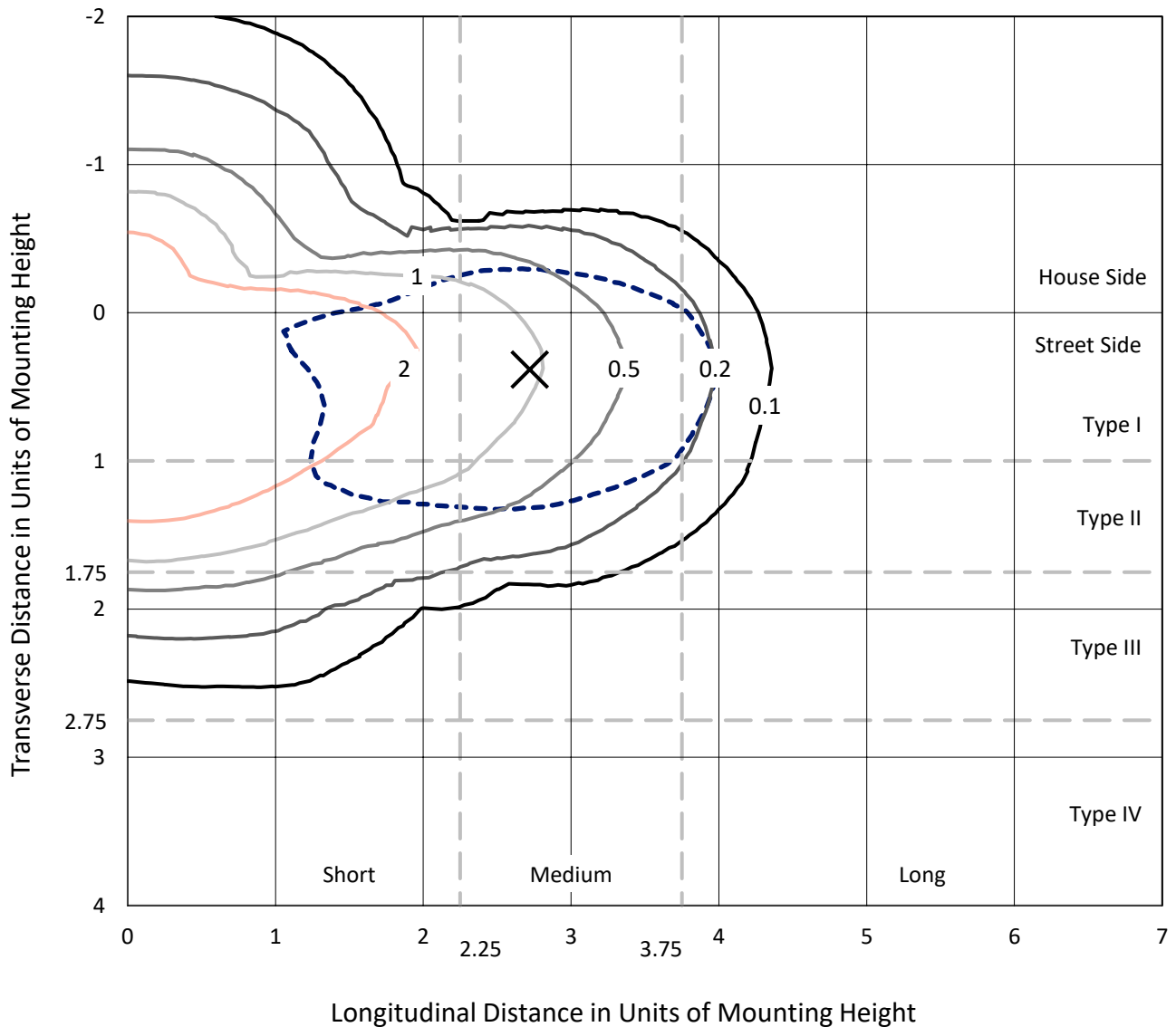
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

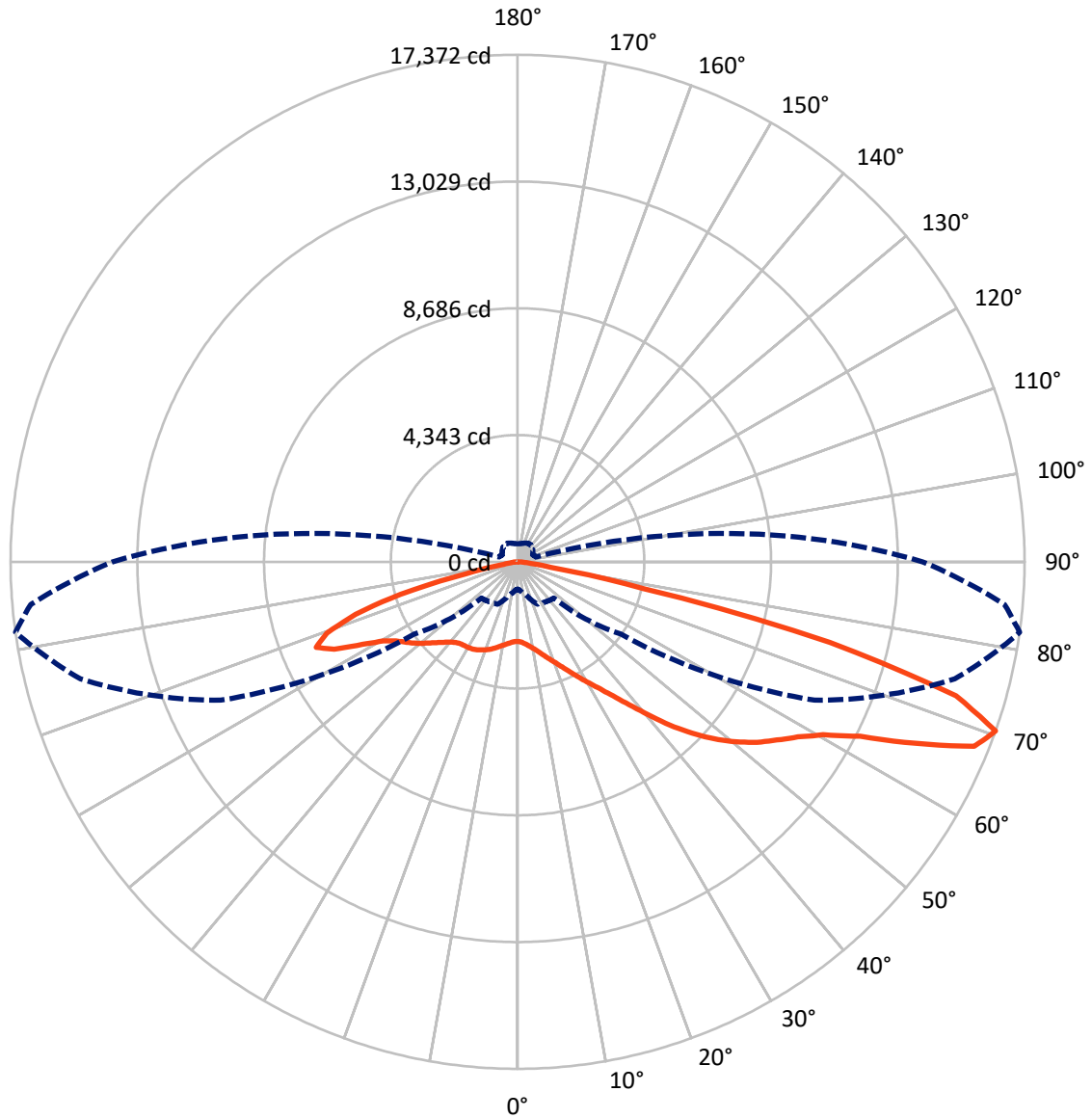
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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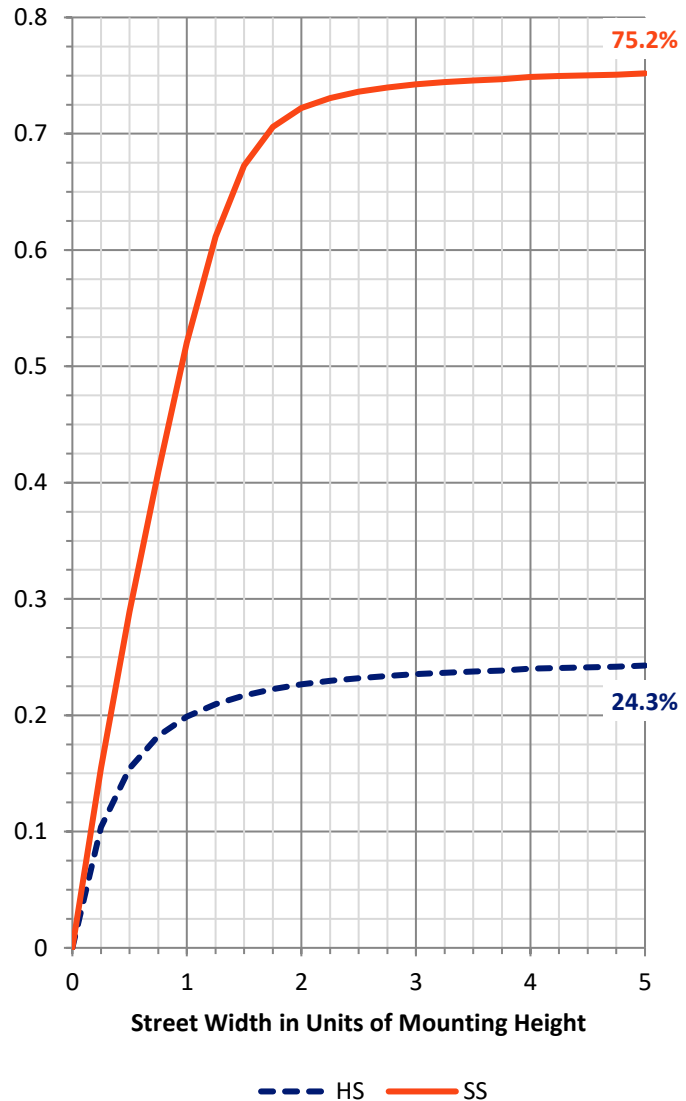
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4582.9	0.0	4582.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	14007.1	0.0	14007.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	18590.0	0.0	18590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	1.4
10°-20°	739.3	4.0
20°-30°	1236.9	6.7
30°-40°	1932.3	10.4
40°-50°	3077.4	16.6
50°-60°	4282.6	23.0
60°-70°	4479.8	24.1
70°-80°	2341.4	12.6
80°-90°	243.1	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°	18590.0	100.0
0°-180°	18590.0	100.0

Coefficient of Utilization

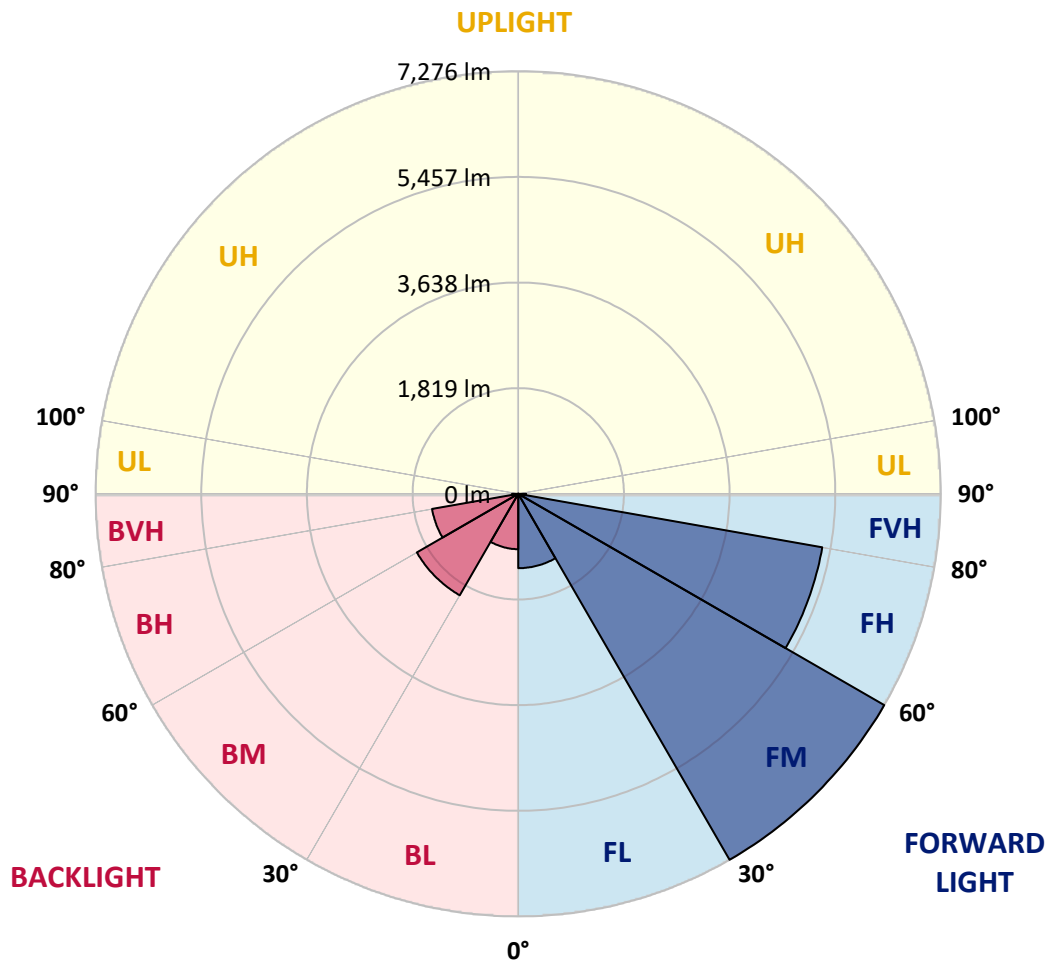


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1280.1	6.9			
FM (30°-60°)	7275.9	39.1			
FH (60°-80°)	5314.9	28.6			G3/7500
FVH (80°-90°)	136.1	0.7			G2/225
BL (0°-30°)	953.4	5.1	B2/1000		
BM (30°-60°)	2016.3	10.8	B2/2500		
BH (60°-80°)	1506.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	107.0	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°	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5
2.5°	2790.6	2806.4	2801.5	2796.5	2796.5	2789.6	2788.7	2778.8	2770.9	2758.1
5°	2826.1	2842.9	2840.9	2844.9	2857.7	2860.7	2863.6	2857.7	2841.9	2826.1
7.5°	2794.6	2813.3	2819.2	2842.9	2882.4	2917.9	2944.5	2955.4	2940.6	2917.9
10°	2688.0	2708.8	2729.5	2785.7	2855.7	2939.6	3010.6	3053.0	3050.1	3028.4
12.5°	2472.0	2493.7	2538.1	2647.6	2775.8	2923.8	3056.0	3144.8	3175.3	3159.6
15°	2299.4	2318.1	2351.7	2464.1	2630.8	2855.7	3072.8	3245.4	3323.3	3314.4
17.5°	2294.5	2302.3	2323.1	2376.3	2504.6	2749.2	3055.0	3344.0	3493.0	3492.0
20°	2381.3	2384.2	2396.1	2406.9	2479.9	2668.3	3009.6	3425.9	3683.4	3683.4
22.5°	2501.6	2499.6	2511.5	2501.6	2537.1	2661.4	2981.0	3497.9	3895.4	3911.2
25°	2682.1	2672.3	2669.3	2646.6	2653.5	2725.5	3012.6	3579.8	4147.0	4179.5
27.5°	2922.8	2907.0	2896.2	2843.9	2826.1	2857.7	3109.3	3678.4	4427.1	4483.4
30°	3236.5	3207.9	3192.1	3101.4	3037.2	3042.2	3255.2	3809.6	4720.1	4810.9
32.5°	3664.6	3620.2	3577.8	3428.9	3311.5	3273.0	3443.7	3991.1	5037.7	5182.7
35°	4144.0	4108.5	4063.1	3833.3	3652.8	3564.0	3698.2	4244.6	5409.6	5639.5
37.5°	4605.7	4575.1	4596.8	4287.1	4054.3	3925.0	4031.6	4585.0	5868.3	6207.7
40°	5083.1	5059.4	5062.4	4766.5	4495.2	4350.2	4436.0	5012.1	6394.1	6883.4
42.5°	5602.0	5584.2	5525.0	5262.6	4957.8	4822.7	4901.6	5505.3	6958.3	7652.8
45°	6183.0	6172.1	6116.9	5816.0	5466.8	5314.9	5421.5	6049.8	7525.5	8376.8
47.5°	6685.1	6694.0	6687.1	6433.5	6071.5	5848.6	5975.8	6618.0	8053.3	9057.5
50°	6926.8	6973.1	7041.2	6962.3	6737.4	6510.5	6535.1	7166.5	8556.4	9695.7
52.5°	6800.5	6888.3	7073.7	7200.0	7286.8	7239.5	7173.4	7711.0	9029.8	10271.8
55°	6330.0	6453.3	6761.0	7065.9	7508.8	7853.0	7939.8	8314.7	9491.5	10778.8
57.5°	5472.8	5673.0	5949.2	6565.7	7311.5	8149.9	8833.5	9152.2	9980.8	11320.4
60°	4003.0	4271.3	4614.6	5531.9	6621.0	7991.1	9594.1	10438.5	10676.2	12021.7
62.5°	2561.8	2727.5	3043.2	3907.3	5159.1	7177.3	9826.9	12046.4	11855.0	13171.9
65°	1753.9	1860.4	2149.4	2634.8	3335.1	5342.5	9203.5	13251.8	13727.3	14994.8
67.5°	1274.5	1355.4	1602.0	2027.1	2173.1	3161.5	7141.8	13196.6	15547.2	16873.0
70°	929.2	986.4	1193.6	1602.0	1672.0	1758.8	4326.5	11217.8	15507.8	17372.1
72.5°	688.5	728.0	867.1	1242.9	1353.4	1187.7	2141.6	8152.9	13325.8	15713.0
75°	498.2	527.7	630.3	950.9	1083.1	904.6	1068.3	4764.5	9295.2	11053.0
77.5°	380.8	403.5	470.5	696.4	867.1	678.7	662.9	2191.9	4407.4	4429.1
80°	305.8	320.6	357.1	490.3	664.9	508.0	432.1	884.8	1392.8	1178.8
82.5°	224.9	249.6	301.8	344.3	475.5	350.2	263.4	446.9	529.7	455.7
85°	128.2	145.0	182.5	246.6	303.8	214.1	150.9	198.3	246.6	202.2
87.5°	45.4	59.2	64.1	96.7	132.2	88.8	58.2	57.2	80.9	60.2
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°
2725.5	0°	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5	2725.5
2755.1	2.5°	2745.3	2740.3	2720.6	2694.0	2666.3	2639.7	2630.8	2612.1	2599.3	2592.4
2819.2	5°	2800.5	2784.7	2738.4	2679.2	2617.0	2549.9	2502.6	2459.2	2427.6	2398.0
2907.0	7.5°	2879.4	2851.8	2771.9	2668.3	2557.8	2446.4	2363.5	2300.4	2258.0	2230.3
3009.6	10°	2971.1	2928.7	2806.4	2651.5	2480.9	2321.1	2223.4	2169.2	2142.5	2127.7
3127.0	12.5°	3076.7	3016.5	2841.9	2613.1	2363.5	2181.0	2113.9	2098.2	2099.1	2100.1
3275.0	15°	3206.9	3123.1	2870.5	2529.2	2210.6	2073.5	2061.7	2087.3	2113.9	2126.8
3442.7	17.5°	3353.9	3235.5	2875.5	2391.1	2060.7	2004.4	2041.9	2097.2	2137.6	2155.4
3630.1	20°	3511.7	3349.9	2840.0	2195.8	1937.4	1948.2	2015.3	2086.3	2130.7	2153.4
3844.1	22.5°	3692.2	3472.3	2755.1	1990.6	1836.7	1887.1	1966.0	2035.0	2081.4	2104.1
4095.7	25°	3898.4	3609.4	2622.0	1818.0	1749.9	1818.0	1896.9	1954.1	1991.6	2012.3
4376.8	27.5°	4127.3	3752.4	2444.4	1680.9	1674.0	1747.0	1812.1	1856.5	1876.2	1892.0
4675.7	30°	4357.1	3882.6	2229.3	1577.3	1607.9	1676.9	1723.3	1743.0	1749.0	1751.9
5009.1	32.5°	4605.7	3995.1	2003.5	1491.5	1544.8	1608.9	1636.5	1645.4	1617.8	1599.0
5413.6	35°	4906.5	4115.4	1782.5	1423.4	1482.6	1537.9	1546.7	1538.8	1506.3	1467.8
5920.6	37.5°	5278.4	4265.4	1605.9	1375.1	1424.4	1460.9	1450.1	1448.1	1451.0	1405.7
6530.2	40°	5734.2	4460.7	1476.7	1337.6	1377.1	1385.0	1354.4	1371.1	1385.9	1316.9
7199.0	42.5°	6240.2	4696.4	1394.8	1312.0	1337.6	1318.9	1271.5	1290.3	1288.3	1197.5
7870.8	45°	6756.1	4952.9	1366.2	1293.2	1301.1	1263.6	1211.3	1216.3	1174.8	1093.0
8514.9	47.5°	7269.1	5228.1	1384.0	1277.4	1255.7	1213.3	1172.9	1151.2	1090.0	1028.9
9132.4	50°	7772.1	5517.1	1449.1	1245.9	1193.6	1168.9	1139.3	1100.9	1035.8	983.5
9716.4	52.5°	8238.7	5808.1	1522.1	1193.6	1115.7	1130.5	1111.7	1067.3	1003.2	949.9
10268.8	55°	8680.6	6099.1	1550.7	1121.6	1042.7	1096.9	1086.1	1004.2	927.3	883.8
10846.9	57.5°	9162.0	6449.3	1519.1	1029.8	983.5	1058.4	1017.0	926.3	881.9	849.3
11599.5	60°	9828.9	6998.8	1451.0	916.4	927.3	1001.2	930.2	892.7	844.4	807.9
12728.0	62.5°	10936.6	8023.7	1341.6	803.9	861.2	916.4	888.8	851.3	802.0	766.5
14657.5	65°	12574.1	9448.1	1135.4	716.2	787.2	833.5	844.4	806.9	755.6	718.1
16348.2	67.5°	13955.1	10341.8	859.2	643.2	711.2	766.5	797.0	760.5	706.3	669.8
16743.8	70°	13879.2	9692.7	656.0	571.1	644.1	700.4	739.8	711.2	653.0	618.5
15208.9	72.5°	12327.5	8108.5	530.7	498.2	576.1	631.3	678.7	657.0	597.8	564.2
11141.8	75°	9056.5	5755.9	424.2	424.2	491.2	559.3	611.6	597.8	543.5	519.9
4677.7	77.5°	3817.5	2414.8	332.4	352.2	408.4	480.4	545.5	550.4	503.1	532.7
1237.0	80°	1015.0	665.8	253.5	277.2	320.6	396.5	474.5	472.5	421.2	393.6
459.7	82.5°	386.7	262.4	180.5	195.3	231.8	303.8	375.8	387.7	336.4	291.0
180.5	85°	149.0	112.5	111.5	117.4	135.1	201.2	284.1	294.0	253.5	215.0
50.3	87.5°	38.5	33.5	41.4	39.5	62.1	107.5	162.8	168.7	154.9	89.8
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°
2725.5
2600.2
2409.9
2236.3
2131.7
2102.1
2125.8
2159.3
2159.3
2110.0
2018.3
1897.9
1758.8
1604.9
1469.8
1408.6
1318.9
1196.5
1095.9
1028.9
979.5
950.9
879.9
846.4
805.9
766.5
720.1
670.8
621.5
564.2
512.9
483.4
366.0
291.0
221.9
128.2
0.0

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