

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: P847506

Luminaire Tested: **GLAN-SB3C-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847506
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-SB3C-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19117 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

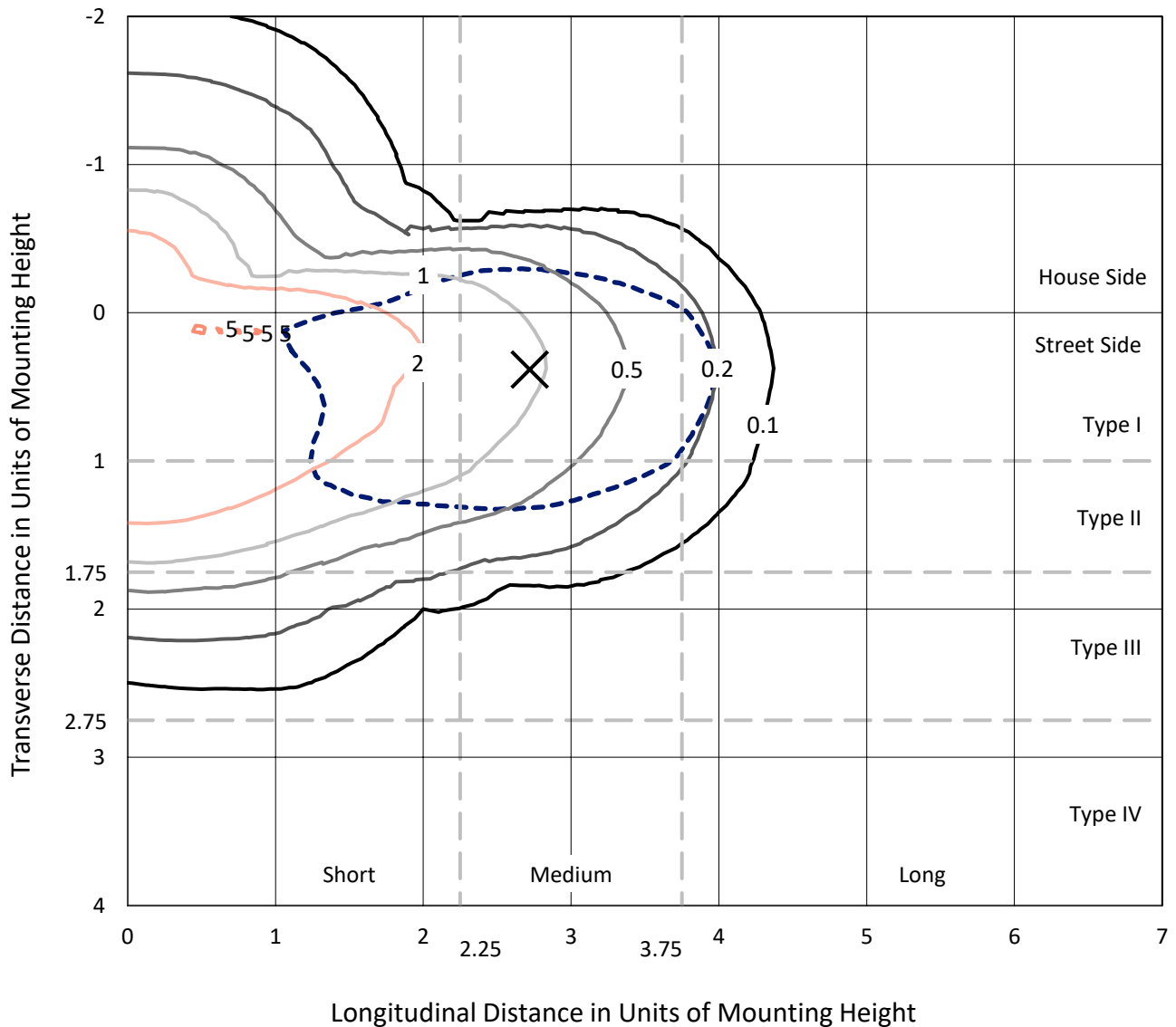
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

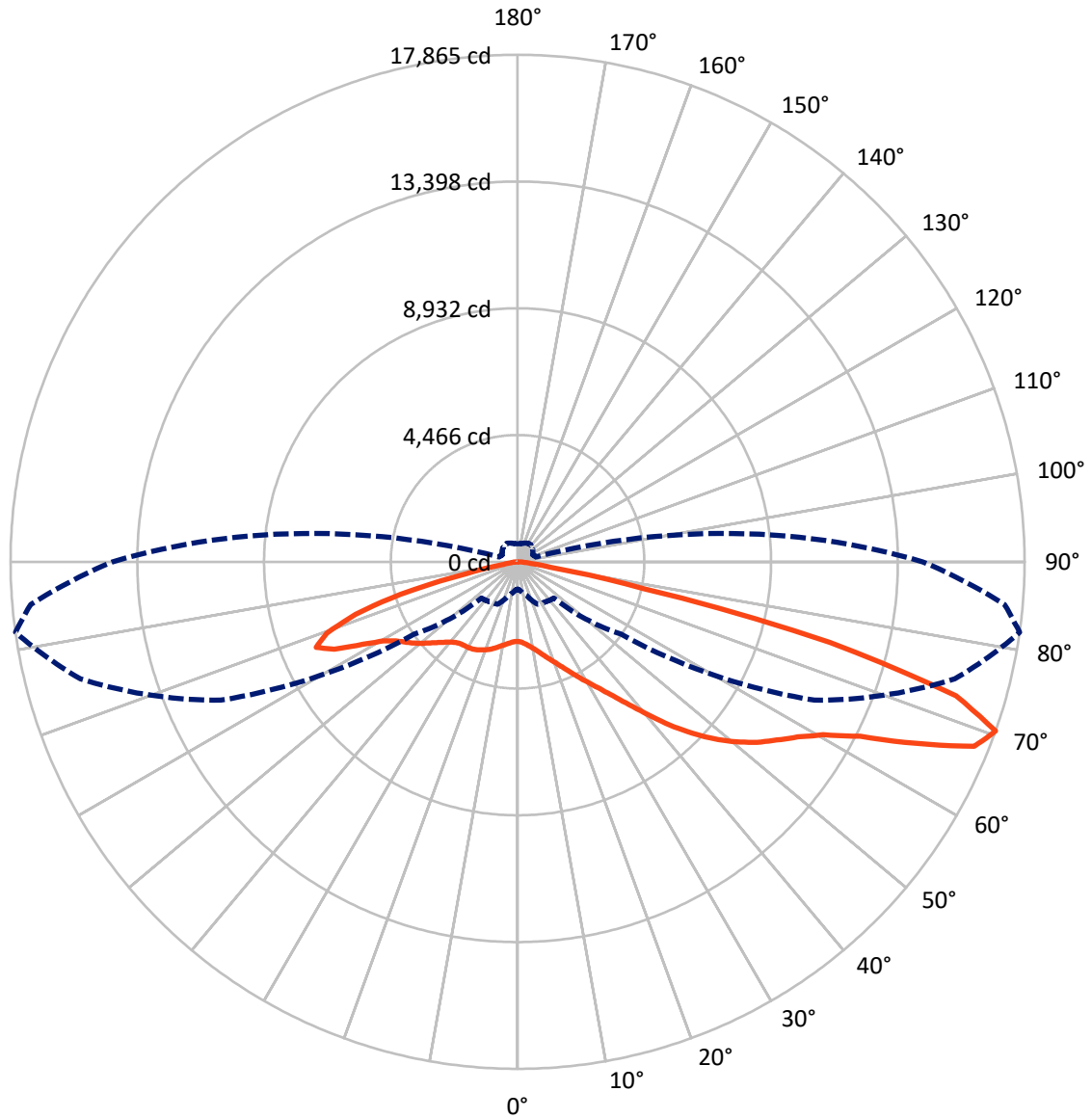
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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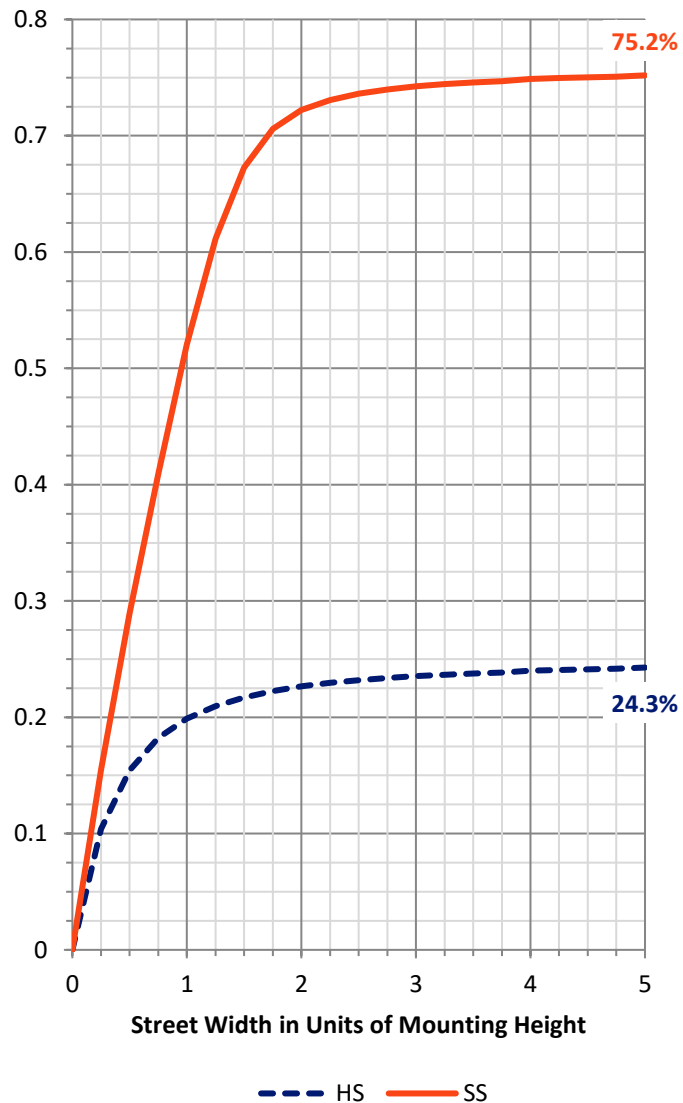
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4712.8	0.0	4712.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	14404.2	0.0	14404.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	19117.0	0.0	19117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.6	1.4
10°-20°	760.3	4.0
20°-30°	1271.9	6.7
30°-40°	1987.1	10.4
40°-50°	3164.6	16.6
50°-60°	4404.0	23.0
60°-70°	4606.7	24.1
70°-80°	2407.7	12.6
80°-90°	250.0	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°	19117.0	100.0
0°-180°	19117.0	100.0

Coefficient of Utilization

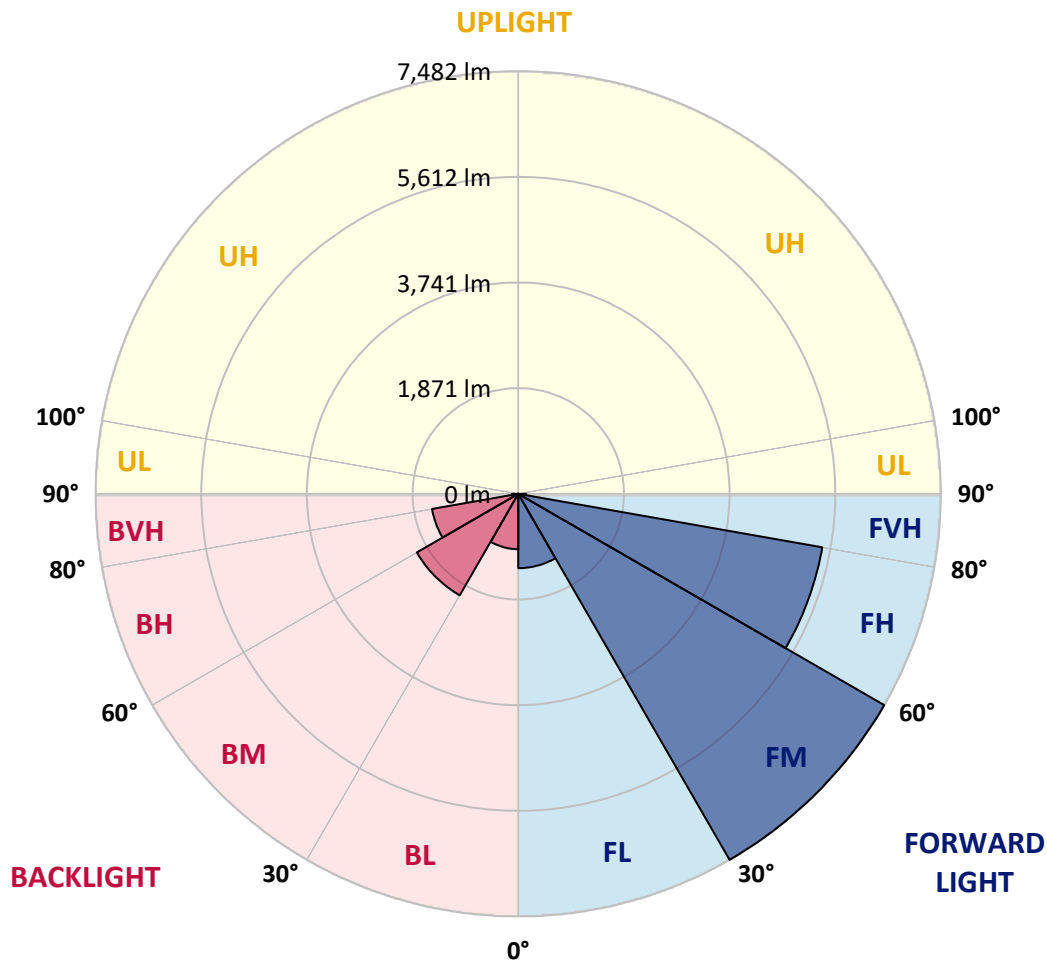


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1316.4	6.9			
FM (30°-60°)	7482.2	39.1			
FH (60°-80°)	5465.6	28.6			G3/7500
FVH (80°-90°)	140.0	0.7			G2/225
BL (0°-30°)	980.4	5.1	B2/1000		
BM (30°-60°)	2073.4	10.8	B2/2500		
BH (60°-80°)	1548.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	110.1	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°	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8
2.5°	2869.7	2886.0	2880.9	2875.8	2875.8	2868.7	2867.7	2857.6	2849.5	2836.3
5°	2906.3	2923.5	2921.5	2925.5	2938.7	2941.8	2944.8	2938.7	2922.5	2906.3
7.5°	2873.8	2893.1	2899.2	2923.5	2964.1	3000.6	3028.0	3039.1	3023.9	3000.6
10°	2764.2	2785.5	2806.8	2864.7	2936.7	3022.9	3096.0	3139.6	3136.5	3114.2
12.5°	2542.1	2564.4	2610.1	2722.7	2854.5	3006.7	3142.6	3233.9	3265.4	3249.1
15°	2364.6	2383.8	2418.3	2534.0	2705.4	2936.7	3159.9	3337.4	3417.5	3408.4
17.5°	2359.5	2367.6	2388.9	2443.7	2575.6	2827.1	3141.6	3438.8	3592.0	3591.0
20°	2448.8	2451.8	2464.0	2475.1	2550.2	2744.0	3094.9	3523.0	3787.8	3787.8
22.5°	2572.5	2570.5	2582.7	2572.5	2609.0	2736.9	3065.5	3597.1	4005.9	4022.1
25°	2758.2	2748.0	2745.0	2721.6	2728.7	2802.8	3098.0	3681.3	4264.5	4298.0
27.5°	3005.7	2989.4	2978.3	2924.5	2906.3	2938.7	3197.4	3782.7	4552.6	4610.5
30°	3328.3	3298.8	3282.6	3189.3	3123.3	3128.4	3347.5	3917.6	4853.9	4947.2
32.5°	3768.5	3722.9	3679.2	3526.1	3405.3	3365.8	3541.3	4104.3	5180.5	5329.7
35°	4261.5	4225.0	4178.3	3942.0	3756.3	3665.0	3803.0	4365.0	5563.0	5799.3
37.5°	4736.2	4704.8	4727.1	4408.6	4169.2	4036.3	4145.9	4714.9	6034.7	6383.6
40°	5227.2	5202.9	5205.9	4901.6	4622.6	4473.5	4561.8	5154.2	6575.4	7078.5
42.5°	5760.8	5742.5	5681.7	5411.8	5098.4	4959.4	5040.6	5661.4	7155.6	7869.7
45°	6358.3	6347.1	6290.3	5980.9	5621.8	5465.6	5575.2	6221.3	7738.9	8614.3
47.5°	6874.6	6883.7	6876.6	6615.9	6243.6	6014.4	6145.2	6805.6	8281.6	9314.2
50°	7123.1	7170.8	7240.8	7159.6	6928.4	6695.0	6720.4	7369.6	8798.9	9970.6
52.5°	6993.3	7083.6	7274.3	7404.1	7493.4	7444.7	7376.7	7929.6	9285.8	10563.0
55°	6509.4	6636.2	6952.7	7266.2	7721.6	8075.7	8164.9	8550.4	9760.6	11084.4
57.5°	5627.9	5833.8	6117.9	6751.9	7518.7	8381.0	9084.0	9411.6	10263.7	11641.3
60°	4116.4	4392.4	4745.4	5688.8	6808.7	8217.7	9866.1	10734.4	10978.9	12362.5
62.5°	2634.4	2804.8	3129.4	4018.0	5305.3	7380.8	10105.5	12387.9	12191.1	13545.3
65°	1803.6	1913.2	2210.4	2709.5	3429.7	5494.0	9464.4	13627.5	14116.4	15419.9
67.5°	1310.6	1393.8	1647.4	2084.6	2234.7	3251.2	7344.3	13570.7	15988.0	17351.3
70°	955.6	1014.4	1227.4	1647.4	1719.4	1808.7	4449.2	11535.8	15947.4	17864.6
72.5°	708.1	748.6	891.7	1278.1	1391.8	1221.3	2202.3	8384.0	13703.5	16158.4
75°	512.3	542.7	648.2	977.9	1113.8	930.2	1098.6	4899.6	9558.7	11366.4
77.5°	391.6	414.9	483.9	716.2	891.7	697.9	681.7	2254.0	4532.3	4554.7
80°	314.5	329.7	367.2	504.2	683.7	522.4	444.3	909.9	1432.3	1212.2
82.5°	231.3	256.6	310.4	354.0	488.9	360.1	270.8	459.5	544.7	468.7
85°	131.9	149.1	187.7	253.6	312.4	220.1	155.2	203.9	253.6	208.0
87.5°	46.7	60.9	65.9	99.4	135.9	91.3	59.8	58.8	83.2	61.9
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°
2802.8	0°	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8
2833.2	2.5°	2823.1	2818.0	2797.7	2770.3	2741.9	2714.5	2705.4	2686.1	2672.9	2665.8
2899.2	5°	2879.9	2863.7	2816.0	2755.1	2691.2	2622.2	2573.5	2528.9	2496.4	2466.0
2989.4	7.5°	2961.0	2932.6	2850.5	2744.0	2630.3	2515.7	2430.5	2365.6	2322.0	2293.6
3094.9	10°	3055.4	3011.8	2886.0	2726.7	2551.2	2386.9	2286.5	2230.7	2203.3	2188.1
3215.7	12.5°	3163.9	3102.0	2922.5	2687.1	2430.5	2242.8	2173.9	2157.6	2158.6	2159.7
3367.8	15°	3297.8	3211.6	2951.9	2600.9	2273.3	2132.3	2120.1	2146.5	2173.9	2187.0
3540.3	17.5°	3449.0	3327.2	2957.0	2458.9	2119.1	2061.3	2099.8	2156.6	2198.2	2216.5
3733.0	20°	3611.3	3444.9	2920.5	2258.1	1992.3	2003.4	2072.4	2145.5	2191.1	2214.4
3953.1	22.5°	3796.9	3570.7	2833.2	2047.1	1888.8	1940.6	2021.7	2092.7	2140.4	2163.7
4211.8	25°	4008.9	3711.7	2696.3	1869.5	1799.5	1869.5	1950.7	2009.5	2048.1	2069.4
4500.9	27.5°	4244.3	3858.8	2513.7	1728.5	1721.4	1796.5	1863.5	1909.1	1929.4	1945.6
4808.3	30°	4480.6	3992.7	2292.5	1622.0	1653.5	1724.5	1772.2	1792.4	1798.5	1801.6
5151.1	32.5°	4736.2	4108.3	2060.2	1533.8	1588.6	1654.5	1682.9	1692.0	1663.6	1644.3
5567.0	35°	5045.6	4232.1	1833.0	1463.8	1524.6	1581.5	1590.6	1582.5	1549.0	1509.4
6088.4	37.5°	5428.1	4386.3	1651.4	1414.1	1464.8	1502.3	1491.2	1489.1	1492.2	1445.5
6715.3	40°	5896.7	4587.1	1518.6	1375.5	1416.1	1424.2	1392.8	1410.0	1425.2	1354.2
7403.1	42.5°	6417.1	4829.6	1434.4	1349.2	1375.5	1356.3	1307.6	1326.8	1324.8	1231.5
8093.9	45°	6947.6	5093.3	1404.9	1329.9	1338.0	1299.4	1245.7	1250.8	1208.2	1124.0
8756.3	47.5°	7475.1	5376.3	1423.2	1313.6	1291.3	1247.7	1206.1	1183.8	1120.9	1058.0
9391.3	50°	7992.5	5673.5	1490.2	1281.2	1227.4	1202.1	1171.6	1132.1	1065.1	1011.4
9991.9	52.5°	8472.3	5972.8	1565.2	1227.4	1147.3	1162.5	1143.2	1097.6	1031.6	976.9
10559.9	55°	8926.7	6272.0	1594.6	1153.4	1072.2	1128.0	1116.9	1032.7	953.5	908.9
11154.4	57.5°	9421.8	6632.2	1562.2	1059.0	1011.4	1088.5	1045.8	952.5	906.9	873.4
11928.3	60°	10107.5	7197.2	1492.2	942.4	953.5	1029.6	956.6	918.0	868.3	830.8
13088.8	62.5°	11246.7	8251.1	1379.6	826.7	885.6	942.4	914.0	875.4	824.7	788.2
15073.0	65°	12930.6	9715.9	1167.6	736.5	809.5	857.2	868.3	829.8	777.0	738.5
16811.7	67.5°	14350.7	10635.0	883.5	661.4	731.4	788.2	819.6	782.1	726.3	688.8
17218.5	70°	14272.6	9967.5	674.6	587.3	662.4	720.2	760.8	731.4	671.5	636.0
15640.0	72.5°	12677.0	8338.4	545.7	512.3	592.4	649.2	697.9	675.6	614.7	580.2
11457.7	75°	9313.2	5919.0	436.2	436.2	505.2	575.2	628.9	614.7	558.9	534.6
4810.3	77.5°	3925.7	2483.3	341.9	362.1	420.0	494.0	561.0	566.0	517.3	547.8
1272.1	80°	1043.8	684.7	260.7	285.0	329.7	407.8	487.9	485.9	433.1	404.7
472.7	82.5°	397.6	269.8	185.6	200.9	238.4	312.4	386.5	398.7	345.9	299.2
185.6	85°	153.2	115.6	114.6	120.7	139.0	206.9	292.1	302.3	260.7	221.1
51.7	87.5°	39.6	34.5	42.6	40.6	63.9	110.6	167.4	173.5	159.3	92.3
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°
2802.8
2674.0
2478.2
2299.6
2192.1
2161.7
2186.0
2220.5
2220.5
2169.8
2075.5
1951.7
1808.7
1650.4
1511.5
1448.6
1356.3
1230.5
1127.0
1058.0
1007.3
977.9
904.8
870.4
828.8
788.2
740.5
689.8
639.1
580.2
527.5
497.1
376.3
299.2
228.2
131.9
0.0

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