

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: P847688

Luminaire Tested: **GLAN-SB3D-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19675 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

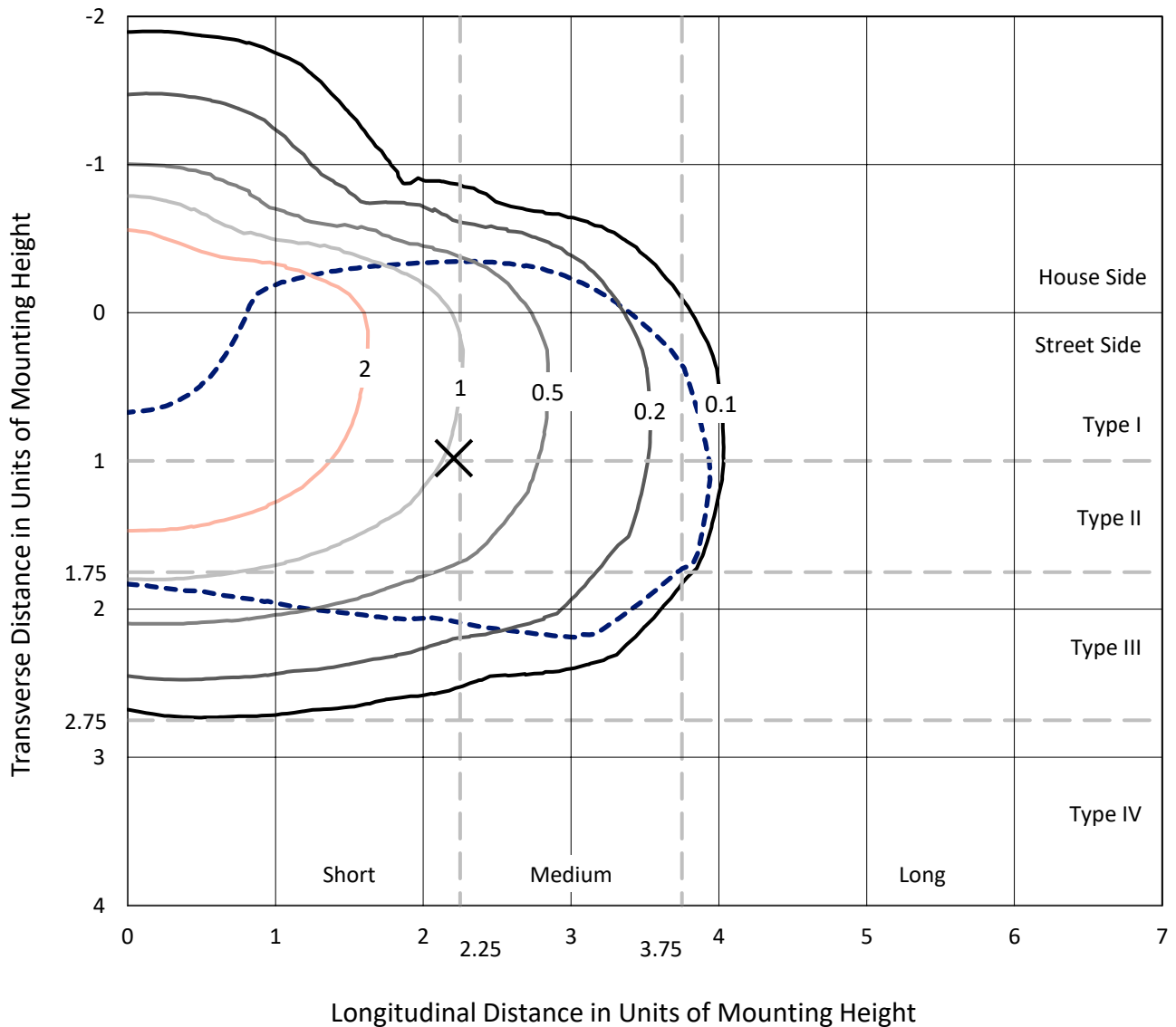
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

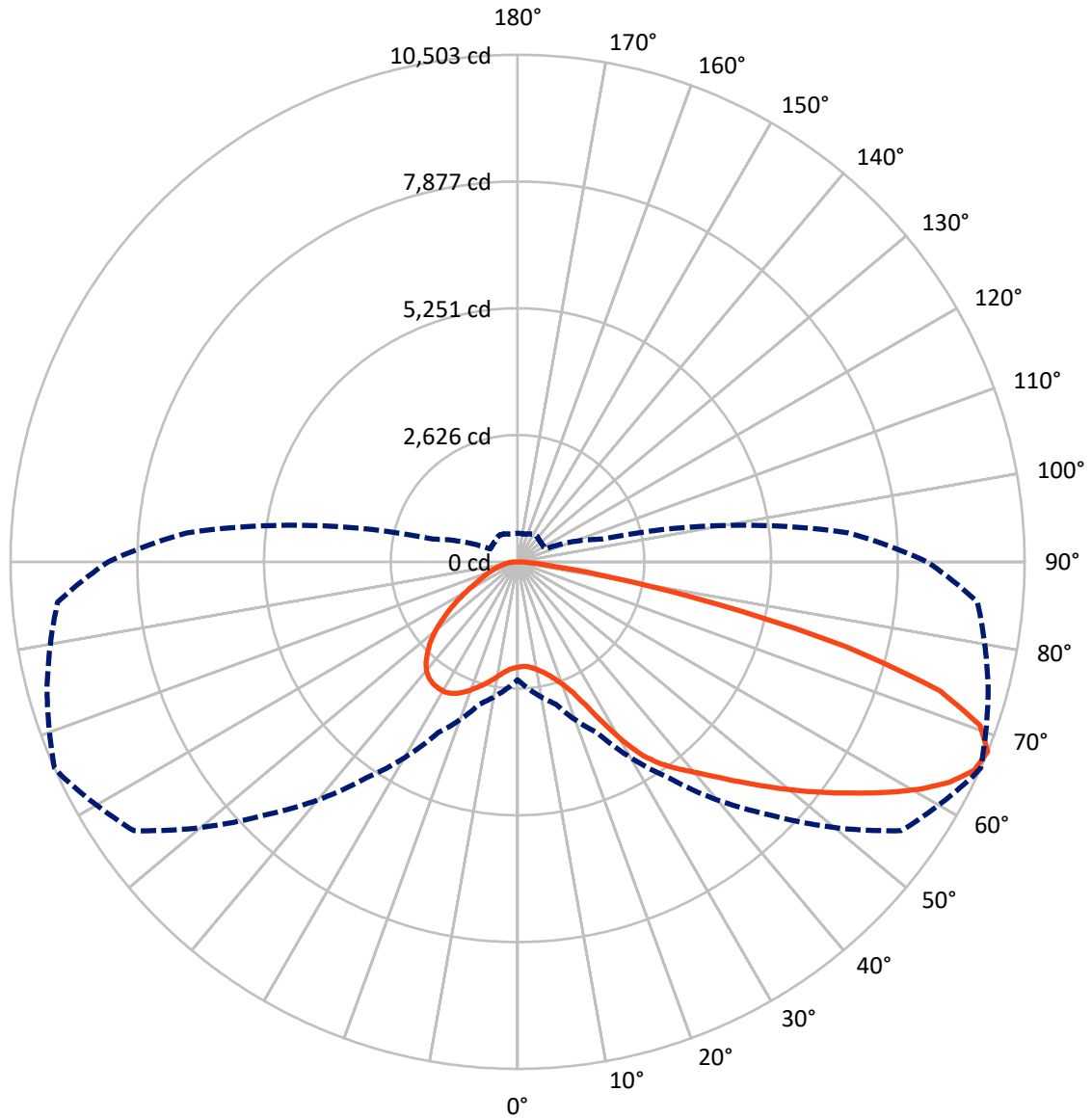
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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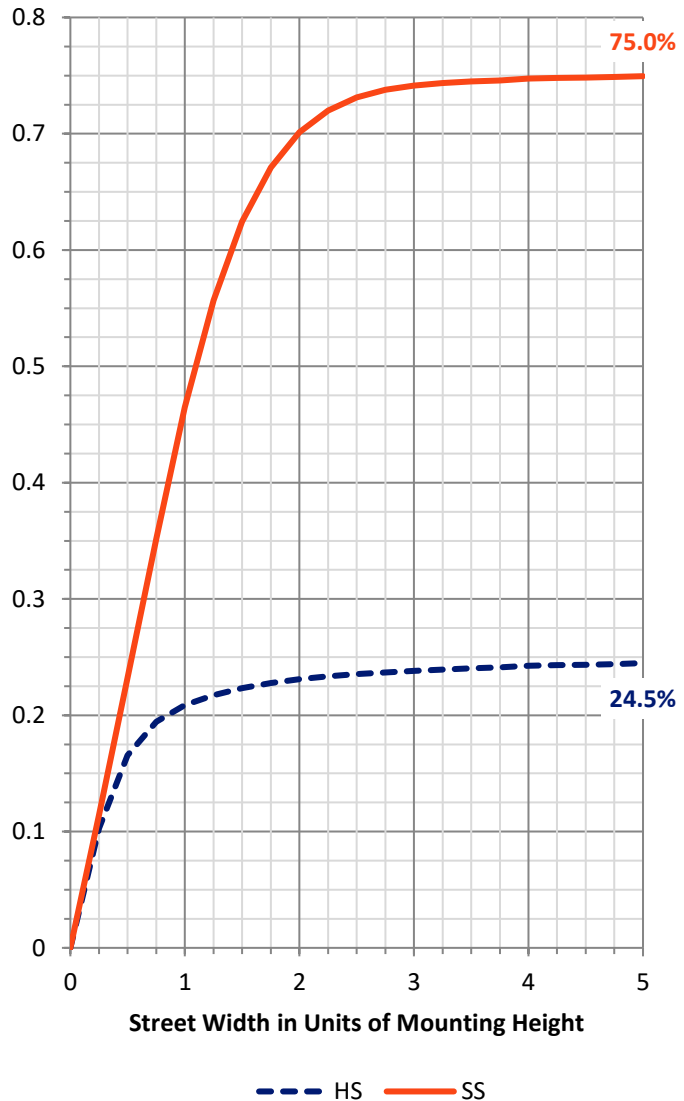
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4892.1	0.0	4892.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	14782.9	0.0	14782.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	19675.0	0.0	19675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.4	1.1
10°-20°	714.8	3.6
20°-30°	1377.8	7.0
30°-40°	2415.7	12.3
40°-50°	3591.4	18.3
50°-60°	4552.5	23.1
60°-70°	4454.5	22.6
70°-80°	2124.8	10.8
80°-90°	227.1	1.2
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°	19675.0	100.0
0°-180°	19675.0	100.0

Coefficient of Utilization



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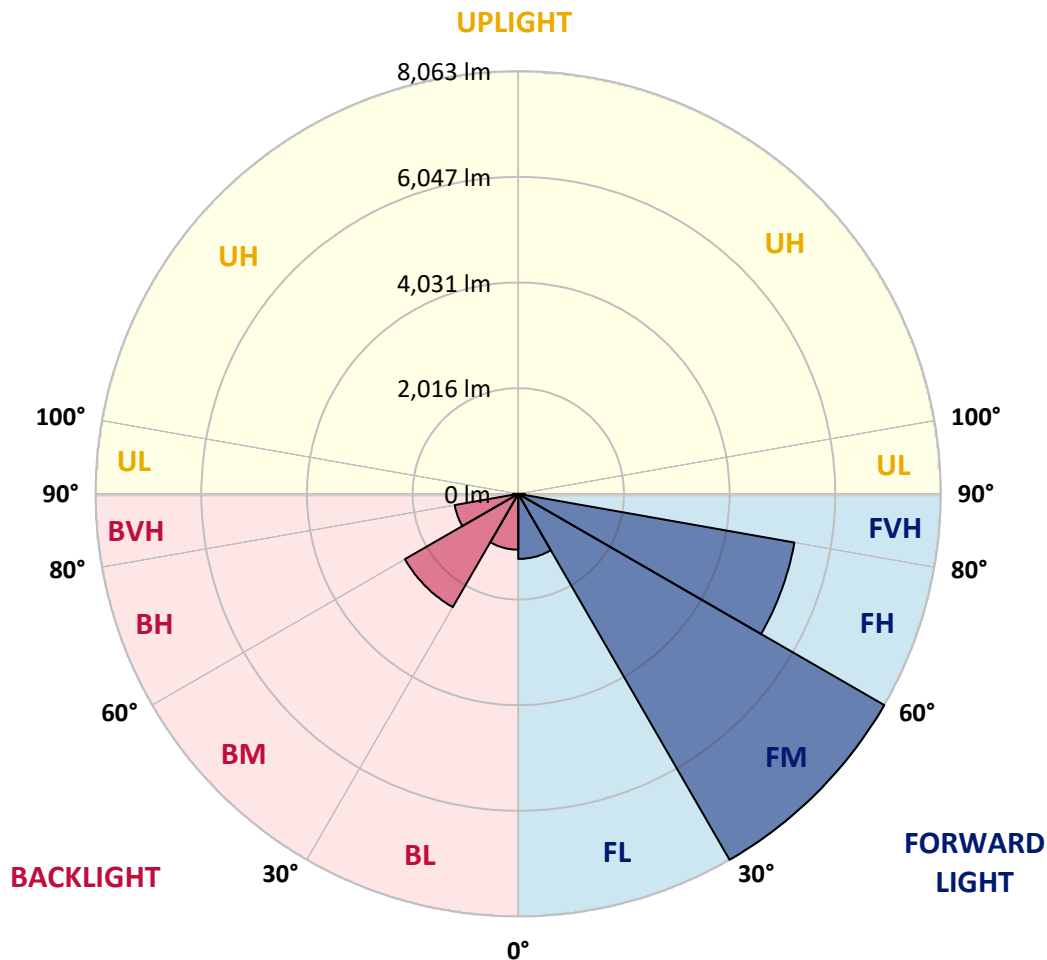
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.3	6.3			
FM (30°-60°)	8062.6	41.0			
FH (60°-80°)	5348.2	27.2			G3/7500
FVH (80°-90°)	128.8	0.7			G2/225
BL (0°-30°)	1065.7	5.4	B3/2500		
BM (30°-60°)	2497.0	12.7	B2/2500		
BH (60°-80°)	1231.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	98.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2
2.5°	2159.5	2171.9	2168.8	2163.6	2162.6	2164.6	2167.7	2170.8	2169.8	2175.0
5°	2153.3	2165.7	2164.6	2164.6	2168.8	2177.0	2182.2	2187.4	2182.2	2188.4
7.5°	2157.4	2166.7	2170.8	2175.0	2185.3	2200.8	2213.2	2224.6	2218.4	2225.6
10°	2210.1	2217.4	2221.5	2221.5	2228.7	2246.3	2258.7	2279.4	2274.2	2285.6
12.5°	2306.3	2313.5	2313.5	2309.4	2314.5	2325.9	2330.0	2352.8	2343.5	2362.1
15°	2424.1	2438.6	2427.2	2420.0	2422.0	2433.4	2432.4	2450.0	2440.7	2456.2
17.5°	2554.4	2573.0	2554.4	2553.3	2549.2	2561.6	2562.6	2578.1	2561.6	2573.0
20°	2708.4	2734.2	2718.7	2723.9	2714.6	2719.8	2724.9	2747.7	2721.8	2730.1
22.5°	2925.5	2956.5	2939.9	2959.6	2953.4	2949.2	2948.2	2988.5	2948.2	2951.3
25°	3241.8	3279.0	3250.1	3276.9	3276.9	3290.4	3305.9	3357.6	3290.4	3270.7
27.5°	3709.0	3746.3	3689.4	3705.9	3700.8	3733.9	3717.3	3845.5	3773.1	3741.1
30°	4271.4	4337.6	4230.0	4225.9	4220.7	4273.5	4297.2	4382.0	4308.6	4276.6
32.5°	4879.2	4948.5	4820.3	4783.1	4763.5	4795.5	4775.9	4844.1	4793.4	4743.8
35°	5522.2	5590.4	5468.5	5396.1	5317.5	5250.3	5180.1	5197.6	5150.1	5074.6
37.5°	6130.1	6255.1	6125.9	6048.4	5903.7	5772.4	5576.0	5494.3	5449.9	5380.6
40°	6749.3	6820.6	6722.4	6656.2	6499.1	6293.4	5979.1	5806.5	5746.5	5679.3
42.5°	7205.1	7273.4	7220.6	7175.2	7052.1	6813.4	6407.1	6191.0	6104.2	6028.8
45°	7567.0	7617.6	7584.5	7601.1	7548.3	7316.8	6850.6	6603.5	6513.6	6421.6
47.5°	7712.7	7766.5	7819.2	7917.4	8007.3	7836.8	7327.1	7050.1	6955.0	6860.9
50°	7696.2	7751.0	7903.9	8112.8	8391.9	8335.0	7829.5	7525.6	7437.7	7330.2
52.5°	7563.8	7625.9	7822.3	8169.6	8614.1	8708.2	8341.2	8016.6	7933.9	7805.7
55°	7216.5	7253.7	7548.3	8040.4	8666.8	8968.7	8842.6	8539.7	8457.0	8278.2
57.5°	6572.5	6626.3	7055.3	7692.0	8534.5	9145.5	9283.0	9089.6	9010.0	8752.6
60°	5732.1	5817.9	6308.9	7106.9	8197.5	9144.4	9683.0	9630.3	9564.1	9219.9
62.5°	4781.0	4880.3	5352.7	6279.9	7608.3	8885.0	9933.2	10083.1	10049.0	9651.0
65°	3671.8	3740.1	4210.4	5210.0	6691.4	8327.8	9962.1	10392.2	10398.4	9978.7
67.5°	2444.8	2641.2	3049.5	3909.6	5463.3	7417.1	9707.8	10442.8	10502.8	10091.3
70°	1192.9	1451.4	1851.4	2540.9	3909.6	6020.5	9043.1	10027.2	10160.6	9762.6
72.5°	495.2	578.9	797.0	1253.9	2244.2	4062.6	7707.5	8900.5	9147.5	8650.3
75°	333.9	361.8	455.9	643.0	1022.4	2003.4	5558.4	6636.6	7034.6	6533.2
77.5°	257.4	275.0	331.8	449.7	607.8	757.7	2975.1	3999.5	4205.2	3893.1
80°	202.6	216.1	248.1	327.7	431.1	405.2	1014.1	1812.1	1931.0	1619.9
82.5°	175.7	180.9	177.8	222.3	286.3	236.7	332.9	668.8	738.1	535.5
85°	127.1	141.6	147.8	137.5	152.0	119.9	136.5	236.7	260.5	232.6
87.5°	51.7	76.5	94.1	88.9	55.8	34.1	42.4	69.3	79.6	86.8
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°
2182.2	0°	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2	2182.2
2183.3	2.5°	2184.3	2191.5	2196.7	2202.9	2207.0	2213.2	2225.6	2232.9	2233.9	2239.1
2199.8	5°	2203.9	2214.3	2225.6	2242.2	2260.8	2276.3	2300.1	2316.6	2322.8	2328.0
2240.1	7.5°	2246.3	2260.8	2281.5	2310.4	2337.3	2358.0	2386.9	2406.5	2426.2	2433.4
2304.2	10°	2309.4	2330.0	2360.0	2399.3	2428.2	2455.1	2485.1	2501.6	2521.3	2529.6
2380.7	12.5°	2387.9	2409.6	2448.9	2503.7	2530.6	2549.2	2559.5	2555.4	2559.5	2566.8
2472.7	15°	2477.9	2501.6	2546.1	2605.0	2623.6	2607.1	2584.3	2563.7	2560.6	2562.6
2584.3	17.5°	2584.3	2601.9	2653.6	2703.2	2689.8	2621.6	2571.9	2538.9	2522.3	2517.1
2727.0	20°	2733.2	2733.2	2775.6	2806.6	2716.7	2600.9	2523.4	2469.6	2435.5	2421.0
2921.3	22.5°	2914.1	2897.6	2924.4	2902.7	2711.5	2543.0	2435.5	2342.4	2290.8	2270.1
3193.2	25°	3143.6	3124.0	3116.7	2982.3	2674.3	2451.0	2276.3	2163.6	2118.1	2106.8
3585.0	27.5°	3489.9	3440.3	3346.2	3025.7	2606.0	2306.3	2090.2	1985.8	1960.0	1961.0
4088.4	30°	3950.9	3851.7	3621.2	3033.0	2494.4	2101.6	1900.0	1825.6	1813.2	1818.3
4511.2	32.5°	4377.9	4283.8	3902.4	2999.9	2322.8	1901.0	1729.4	1679.8	1661.2	1667.4
4833.8	35°	4712.8	4687.0	4162.9	2953.4	2111.9	1712.9	1576.4	1534.1	1497.9	1489.6
5137.7	37.5°	5029.1	5018.8	4358.2	2888.3	1903.1	1579.5	1453.4	1397.6	1344.9	1315.9
5473.6	40°	5376.5	5366.1	4486.4	2788.0	1718.1	1463.8	1342.8	1269.4	1204.3	1151.6
5854.0	42.5°	5767.2	5706.2	4547.4	2644.3	1560.9	1365.6	1252.9	1153.6	1067.8	1019.3
6284.1	45°	6194.1	6056.7	4546.4	2461.3	1428.6	1275.6	1156.8	1016.2	936.6	891.1
6725.5	47.5°	6646.9	6391.6	4490.6	2258.7	1300.4	1176.4	1007.9	900.4	847.7	819.8
7205.1	50°	7114.2	6704.8	4395.4	2026.1	1169.2	1063.7	914.9	841.5	801.1	775.3
7680.7	52.5°	7553.5	6989.1	4280.7	1762.5	1035.8	954.1	873.5	816.7	774.3	745.3
8141.7	55°	7961.8	7234.1	4118.4	1492.7	927.3	880.7	853.9	806.3	757.7	723.6
8610.0	57.5°	8324.7	7393.3	3838.3	1239.4	849.7	830.1	833.2	788.7	732.9	704.0
9071.0	60°	8626.5	7510.1	3423.7	1004.8	786.7	780.5	801.1	755.7	690.5	657.5
9460.8	62.5°	8807.4	7508.0	2915.1	822.9	732.9	735.0	758.8	714.3	648.2	617.1
9664.4	65°	8791.9	7324.0	2356.9	704.0	681.2	683.3	714.3	668.8	613.0	594.4
9562.1	67.5°	8480.8	6875.4	1808.0	626.4	624.4	633.7	669.9	637.8	591.3	589.2
8952.2	70°	7638.3	5944.0	1302.5	564.4	565.5	578.9	626.4	618.2	579.9	584.1
7526.6	72.5°	6124.9	4531.9	874.5	499.3	500.3	522.0	585.1	602.7	568.6	623.3
5340.3	75°	4079.1	2826.2	562.4	430.0	431.1	459.0	548.9	572.7	537.5	621.3
2778.7	77.5°	1960.0	1270.5	407.3	361.8	361.8	387.7	474.5	512.7	457.9	482.8
893.1	80°	677.1	477.6	320.5	291.5	285.3	302.9	400.1	444.5	394.9	363.9
291.5	82.5°	266.7	248.1	257.4	226.4	205.7	217.1	311.2	367.0	290.5	262.6
164.4	85°	153.0	161.3	181.9	149.9	118.9	133.4	228.5	263.6	219.2	193.3
53.8	87.5°	41.3	56.9	83.7	77.5	53.8	56.9	108.5	145.8	126.1	97.2
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°
2182.2
2238.0
2326.9
2434.4
2533.7
2568.8
2569.9
2524.4
2417.9
2267.0
2108.8
1964.1
1835.9
1675.7
1495.8
1317.0
1156.8
1022.4
889.0
813.6
766.0
732.9
710.2
685.4
643.0
607.8
593.4
592.3
583.0
631.6
626.4
442.4
341.1
261.5
197.4
100.3
0.0

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