

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: P847636

Luminaire Tested: **GLAN-SB3D-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847636
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-SB3D-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24120 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

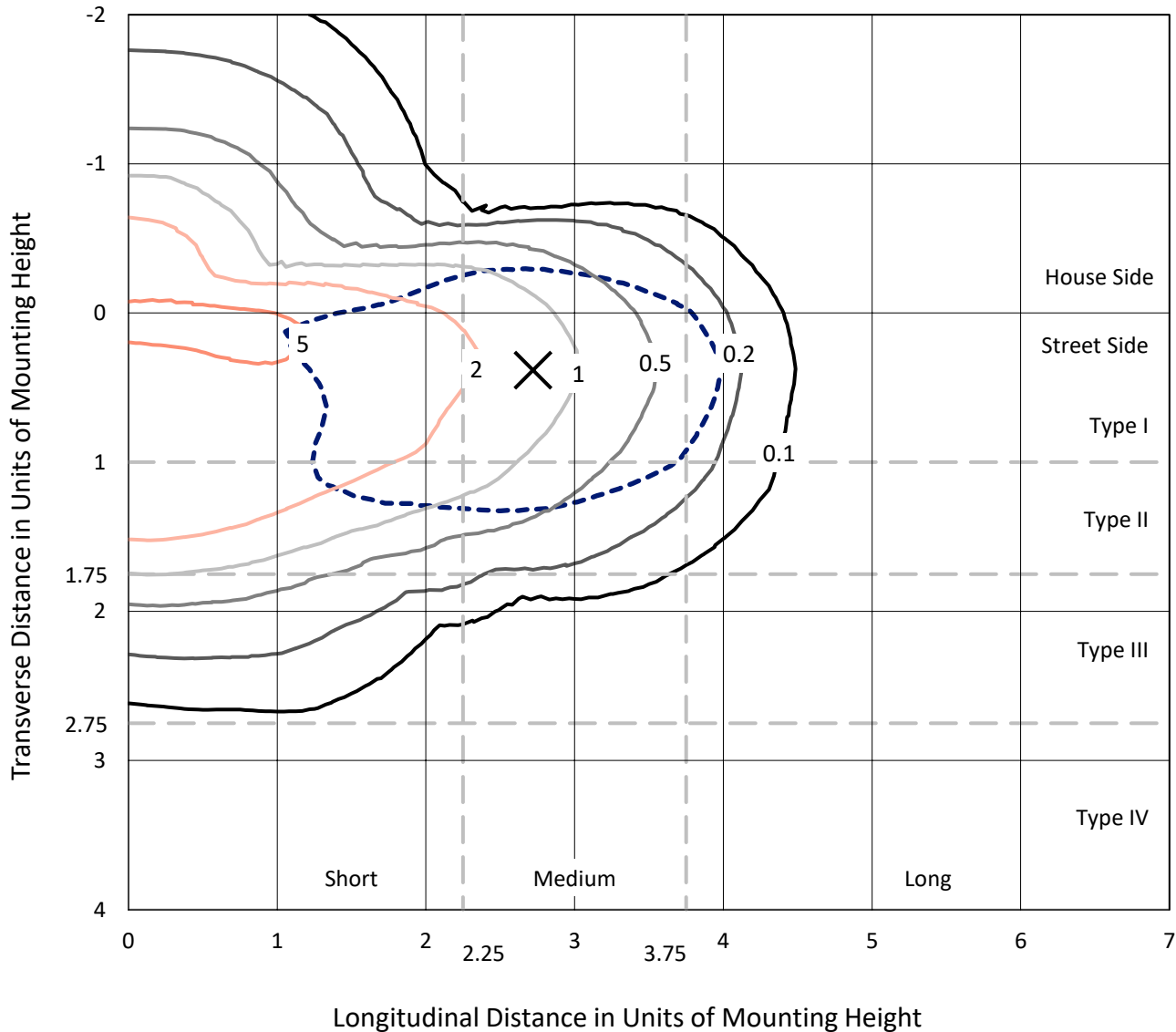
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

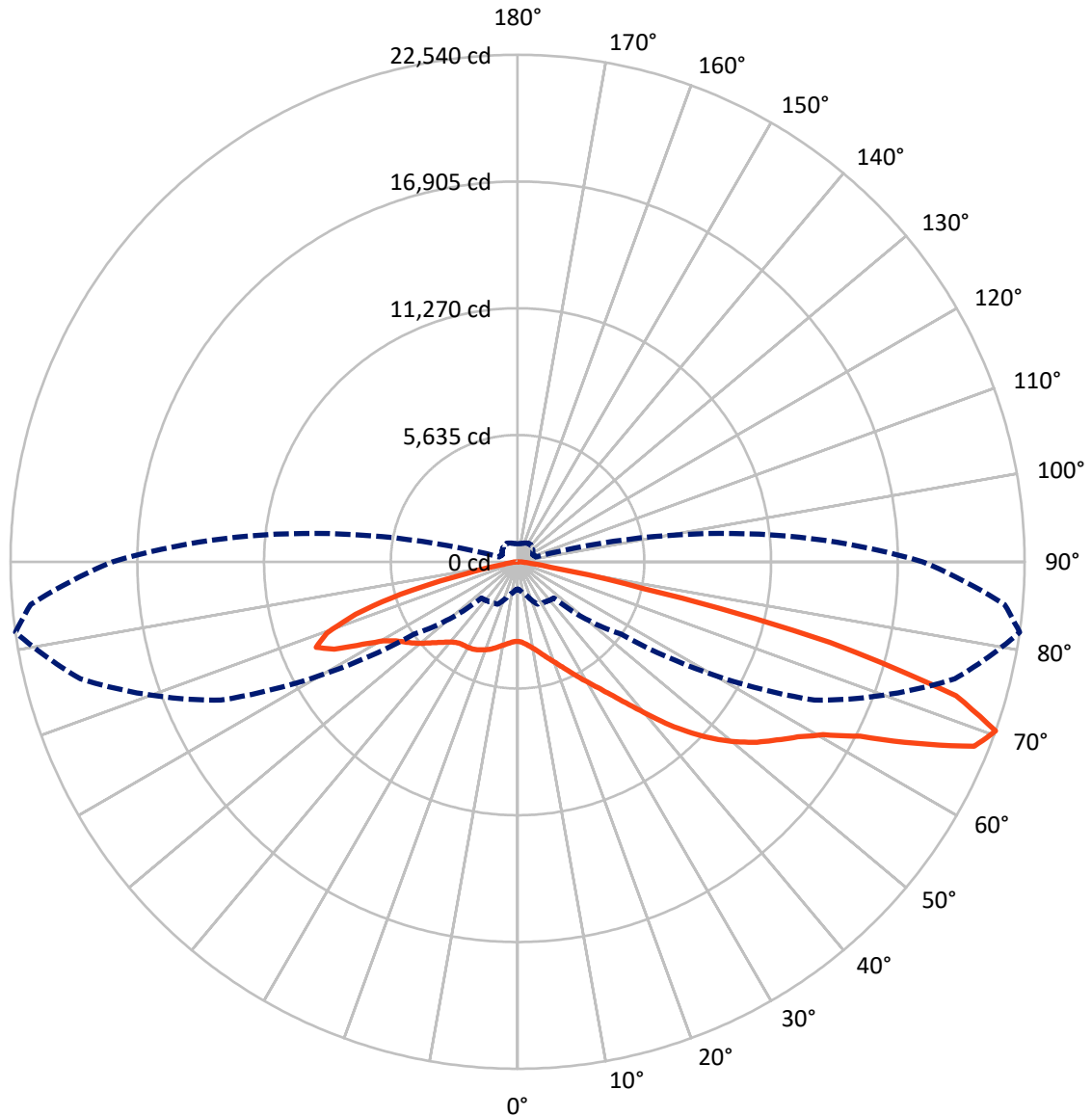
× Max cd
 - - - 1/2 Max cd



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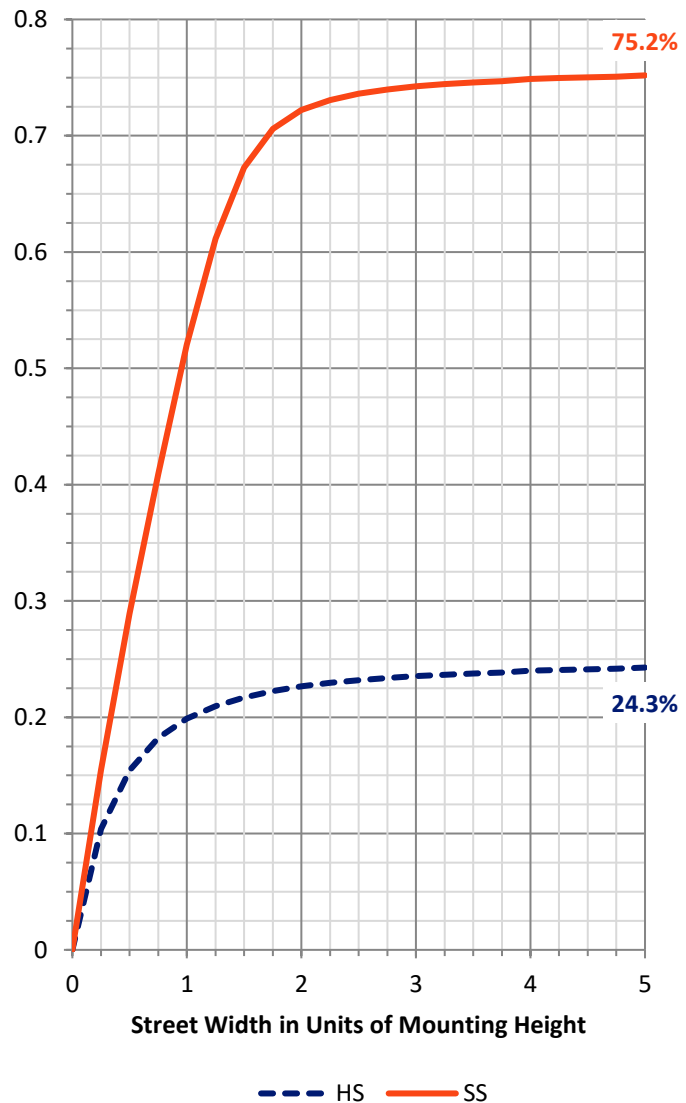
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5946.2	0.0	5946.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18173.8	0.0	18173.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	24120.0	0.0	24120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.9	1.4
10°-20°	959.3	4.0
20°-30°	1604.8	6.7
30°-40°	2507.1	10.4
40°-50°	3992.8	16.6
50°-60°	5556.5	23.0
60°-70°	5812.3	24.1
70°-80°	3037.8	12.6
80°-90°	315.4	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°	24120.0	100.0
0°-180°	24120.0	100.0

Coefficient of Utilization



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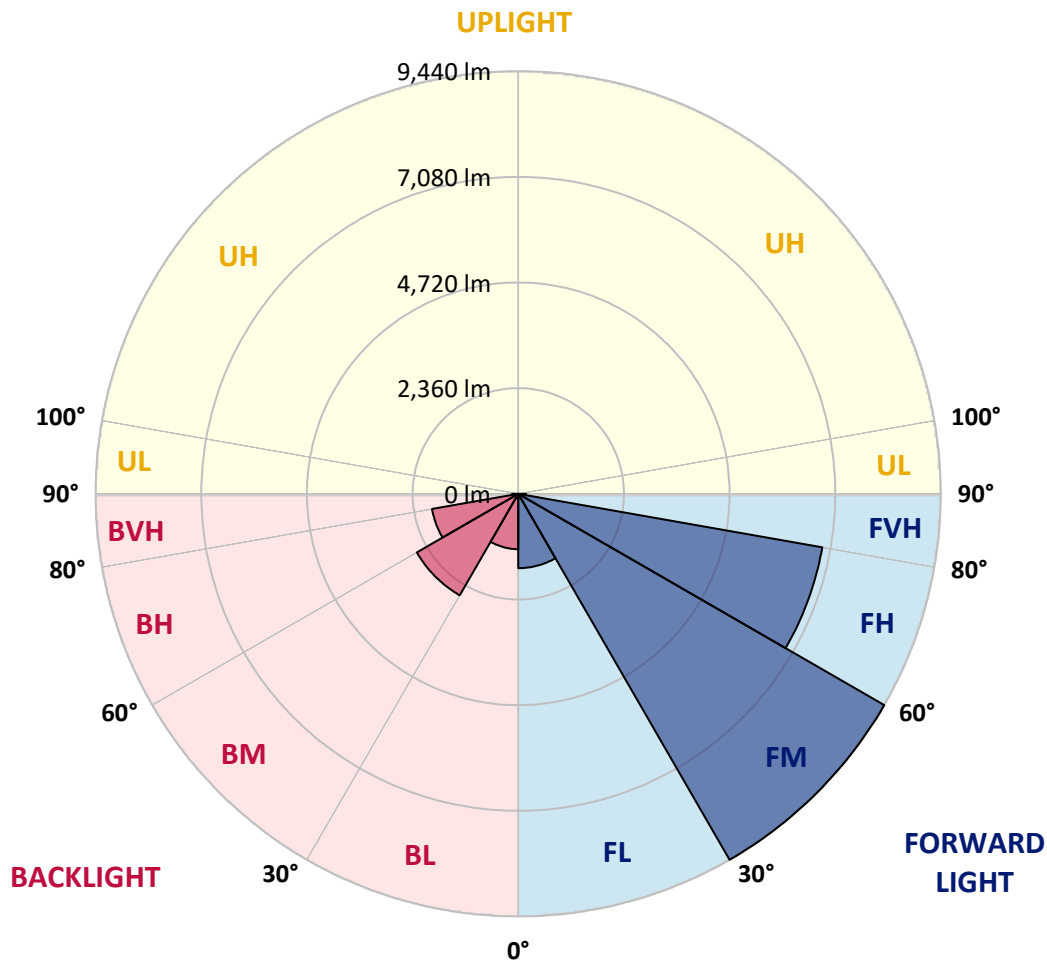
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1660.9	6.9			
FM (30°-60°)	9440.3	39.1			
FH (60°-80°)	6896.0	28.6			G3/7500
FVH (80°-90°)	176.6	0.7			G2/225
BL (0°-30°)	1237.0	5.1	B3/2500		
BM (30°-60°)	2616.1	10.8	B3/5000		
BH (60°-80°)	1954.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	138.9	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°	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3
2.5°	3620.8	3641.2	3634.8	3628.4	3628.4	3619.5	3618.2	3605.4	3595.2	3578.5
5°	3666.8	3688.6	3686.0	3691.2	3707.8	3711.6	3715.5	3707.8	3687.3	3666.8
7.5°	3625.9	3650.2	3657.9	3688.6	3739.8	3785.9	3820.4	3834.5	3815.3	3785.9
10°	3487.7	3514.5	3541.4	3614.4	3705.2	3814.0	3906.2	3961.2	3957.4	3929.2
12.5°	3207.4	3235.5	3293.1	3435.2	3601.6	3793.5	3965.1	4080.2	4119.9	4099.4
15°	2983.4	3007.7	3051.2	3197.1	3413.4	3705.2	3986.8	4210.8	4311.9	4300.4
17.5°	2977.0	2987.2	3014.1	3083.2	3249.6	3567.0	3963.8	4338.8	4532.0	4530.8
20°	3089.6	3093.5	3108.8	3122.9	3217.6	3462.1	3904.9	4445.0	4779.1	4779.1
22.5°	3245.8	3243.2	3258.6	3245.8	3291.8	3453.1	3867.8	4538.4	5054.2	5074.7
25°	3480.0	3467.2	3463.3	3433.9	3442.9	3536.3	3908.7	4644.7	5380.6	5422.8
27.5°	3792.3	3771.8	3757.7	3689.9	3666.8	3707.8	4034.2	4772.7	5744.1	5817.0
30°	4199.3	4162.2	4141.7	4023.9	3940.7	3947.1	4223.6	4942.9	6124.2	6241.9
32.5°	4754.7	4697.1	4642.1	4448.8	4296.5	4246.6	4468.0	5178.4	6536.3	6724.5
35°	5376.8	5330.7	5271.8	4973.6	4739.4	4624.2	4798.2	5507.3	7018.8	7317.0
37.5°	5975.7	5936.1	5964.2	5562.3	5260.3	5092.6	5230.8	5948.9	7614.0	8054.3
40°	6595.2	6564.5	6568.3	6184.4	5832.4	5644.2	5755.6	6503.0	8296.1	8931.0
42.5°	7268.4	7245.4	7168.6	6828.1	6432.6	6257.3	6359.7	7143.0	9028.2	9929.3
45°	8022.3	8008.2	7936.5	7546.1	7093.1	6896.0	7034.2	7849.5	9764.2	10868.7
47.5°	8673.7	8685.2	8676.3	8347.3	7877.6	7588.4	7753.5	8586.7	10448.9	11751.8
50°	8987.3	9047.4	9135.7	9033.4	8741.5	8447.2	8479.2	9298.3	11101.6	12579.9
52.5°	8823.5	8937.4	9178.0	9341.8	9454.4	9393.0	9307.2	10004.8	11716.0	13327.3
55°	8213.0	8372.9	8772.3	9167.7	9742.4	10189.1	10301.7	10788.1	12315.0	13985.2
57.5°	7100.7	7360.6	7718.9	8518.8	9486.4	10574.3	11461.3	11874.7	12949.8	14687.8
60°	5193.7	5541.9	5987.3	7177.5	8590.5	10368.3	12448.1	13543.6	13852.1	15597.8
62.5°	3323.8	3538.9	3948.4	5069.6	6693.7	9312.4	12750.1	15629.8	15381.5	17090.2
65°	2275.6	2413.8	2788.8	3418.5	4327.3	6931.8	11941.2	17193.8	17810.7	19455.4
67.5°	1653.6	1758.5	2078.5	2630.1	2819.6	4102.0	9266.3	17122.2	20172.1	21892.3
70°	1205.6	1279.9	1548.6	2078.5	2169.4	2282.0	5613.5	14554.7	20120.9	22539.9
72.5°	893.4	944.5	1125.0	1612.6	1756.0	1541.0	2778.6	10578.2	17289.8	20387.1
75°	646.3	684.7	817.8	1233.8	1405.3	1173.6	1386.1	6181.8	12060.3	14341.0
77.5°	494.0	523.5	610.5	903.6	1125.0	880.6	860.1	2843.9	5718.5	5746.6
80°	396.8	416.0	463.3	636.1	862.6	659.1	560.6	1148.0	1807.2	1529.5
82.5°	291.8	323.8	391.6	446.7	616.9	454.4	341.7	579.8	687.3	591.3
85°	166.4	188.1	236.8	320.0	394.2	277.7	195.8	257.3	320.0	262.4
87.5°	58.9	76.8	83.2	125.4	171.5	115.2	75.5	74.2	104.9	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°
3536.3	0°	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3	3536.3
3574.7	2.5°	3561.9	3555.5	3529.9	3495.3	3459.5	3424.9	3413.4	3389.1	3372.5	3363.5
3657.9	5°	3633.6	3613.1	3552.9	3476.1	3395.5	3308.5	3247.0	3190.7	3149.8	3111.4
3771.8	7.5°	3736.0	3700.1	3596.4	3462.1	3318.7	3174.1	3066.6	2984.7	2929.6	2893.8
3904.9	10°	3855.0	3799.9	3641.2	3440.3	3218.9	3011.5	2884.8	2814.4	2779.9	2760.7
4057.2	12.5°	3991.9	3913.9	3687.3	3390.4	3066.6	2829.8	2742.8	2722.3	2723.6	2724.9
4249.2	15°	4160.9	4052.1	3724.4	3281.6	2868.2	2690.3	2674.9	2708.2	2742.8	2759.4
4466.8	17.5°	4351.6	4198.0	3730.8	3102.4	2673.7	2600.7	2649.3	2721.0	2773.5	2796.5
4709.9	20°	4556.4	4346.5	3684.8	2849.0	2513.7	2527.8	2614.8	2706.9	2764.5	2794.0
4987.7	22.5°	4790.6	4505.2	3574.7	2582.8	2383.1	2448.4	2550.8	2640.4	2700.5	2730.0
5314.0	25°	5058.1	4683.1	3401.9	2358.8	2270.5	2358.8	2461.2	2535.4	2584.1	2610.9
5678.8	27.5°	5355.0	4868.6	3171.5	2180.9	2171.9	2266.7	2351.1	2408.7	2434.3	2454.8
6066.6	30°	5653.2	5037.6	2892.5	2046.5	2086.2	2175.8	2235.9	2261.5	2269.2	2273.1
6499.2	32.5°	5975.7	5183.5	2599.4	1935.2	2004.3	2087.5	2123.3	2134.8	2099.0	2074.7
7024.0	35°	6366.1	5339.6	2312.7	1846.9	1923.7	1995.3	2006.8	1996.6	1954.4	1904.5
7681.8	37.5°	6848.6	5534.2	2083.6	1784.1	1848.1	1895.5	1881.4	1878.9	1882.7	1823.8
8472.8	40°	7439.9	5787.6	1916.0	1735.5	1786.7	1796.9	1757.3	1779.0	1798.2	1708.6
9340.5	42.5°	8096.5	6093.5	1809.7	1702.2	1735.5	1711.2	1649.8	1674.1	1671.5	1553.8
10212.1	45°	8765.9	6426.3	1772.6	1677.9	1688.2	1639.5	1571.7	1578.1	1524.3	1418.1
11047.9	47.5°	9431.4	6783.3	1795.7	1657.4	1629.3	1574.2	1521.8	1493.6	1414.3	1334.9
11849.1	50°	10084.1	7158.3	1880.1	1616.5	1548.6	1516.7	1478.3	1428.3	1343.9	1276.0
12606.8	52.5°	10689.5	7535.9	1974.8	1548.6	1447.5	1466.7	1442.4	1384.8	1301.6	1232.5
13323.5	55°	11262.9	7913.5	2012.0	1455.2	1352.8	1423.2	1409.1	1302.9	1203.1	1146.8
14073.5	57.5°	11887.5	8367.8	1971.0	1336.2	1276.0	1373.3	1319.6	1201.8	1144.2	1102.0
15050.0	60°	12752.7	9080.7	1882.7	1189.0	1203.1	1299.1	1206.9	1158.3	1095.6	1048.2
16514.2	62.5°	14190.0	10410.5	1740.6	1043.1	1117.3	1189.0	1153.2	1104.5	1040.5	994.5
19017.7	65°	16314.6	12258.6	1473.1	929.2	1021.3	1081.5	1095.6	1046.9	980.4	931.7
21211.4	67.5°	18106.4	13418.2	1114.8	834.5	922.8	994.5	1034.1	986.8	916.4	869.0
21724.6	70°	18007.8	12576.0	851.1	741.0	835.8	908.7	959.9	922.8	847.3	802.5
19733.1	72.5°	15994.6	10520.6	688.6	646.3	747.4	819.1	880.6	852.4	775.6	732.1
14456.2	75°	11750.5	7468.1	550.3	550.3	637.4	725.7	793.5	775.6	705.2	674.5
6069.2	77.5°	4953.1	3133.1	431.3	456.9	529.9	623.3	707.8	714.2	652.7	691.1
1605.0	80°	1317.0	863.9	328.9	359.6	416.0	514.5	615.6	613.1	546.5	510.7
596.4	82.5°	501.7	340.4	234.2	253.4	300.8	394.2	487.6	503.0	436.4	377.6
234.2	85°	193.3	145.9	144.6	152.3	175.3	261.1	368.6	381.4	328.9	279.0
65.3	87.5°	49.9	43.5	53.8	51.2	80.6	139.5	211.2	218.9	200.9	116.5
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°
3536.3
3373.7
3126.7
2901.5
2765.8
2727.4
2758.1
2801.6
2801.6
2737.7
2618.6
2462.5
2282.0
2082.4
1907.0
1827.7
1711.2
1552.5
1421.9
1334.9
1270.9
1233.8
1141.6
1098.1
1045.7
994.5
934.3
870.3
806.3
732.1
665.5
627.1
474.8
377.6
288.0
166.4
0.0

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