

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: P941689

Luminaire Tested: **GLAN-SB5B-830-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-830-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25262 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 182.7
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



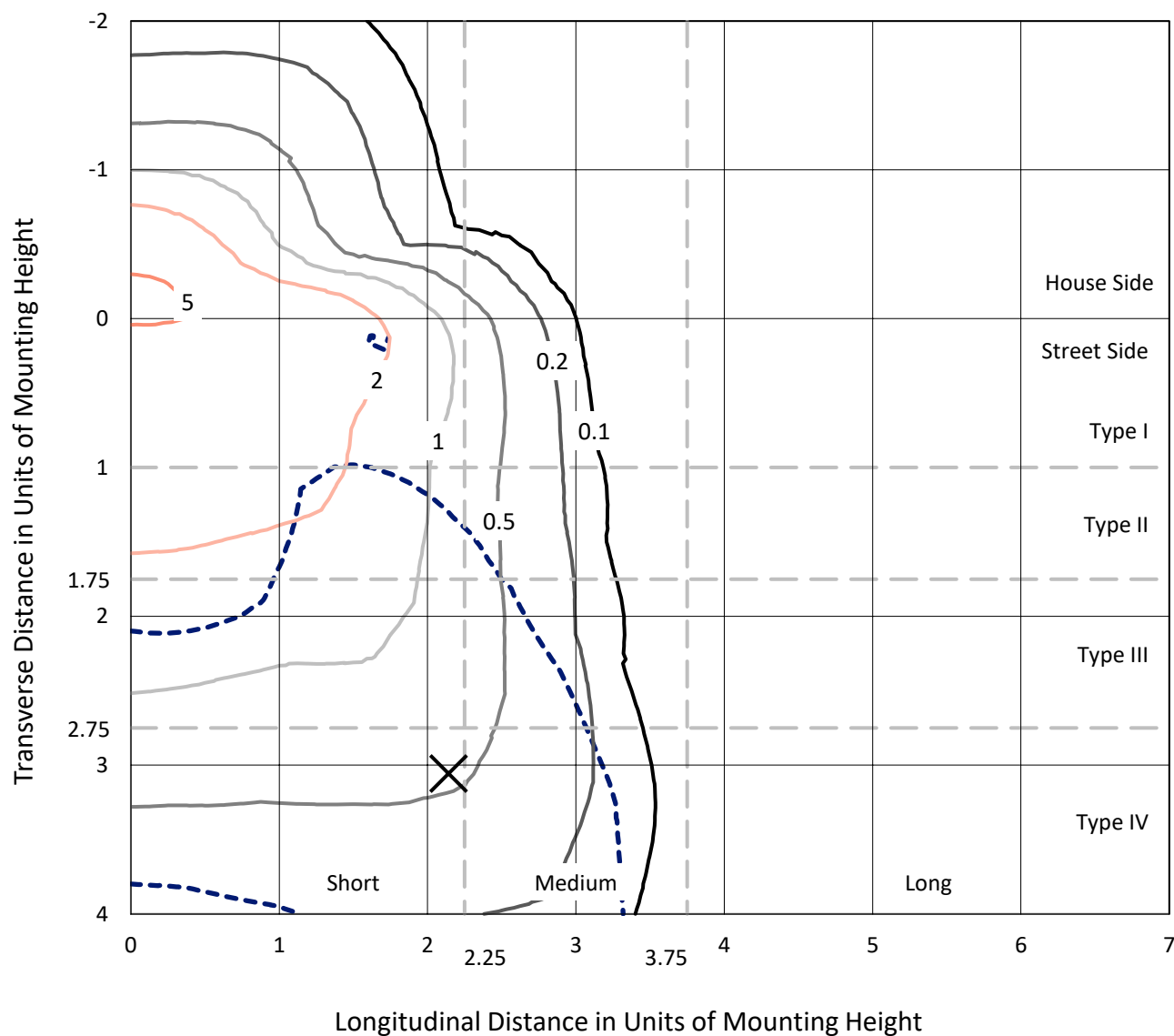
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

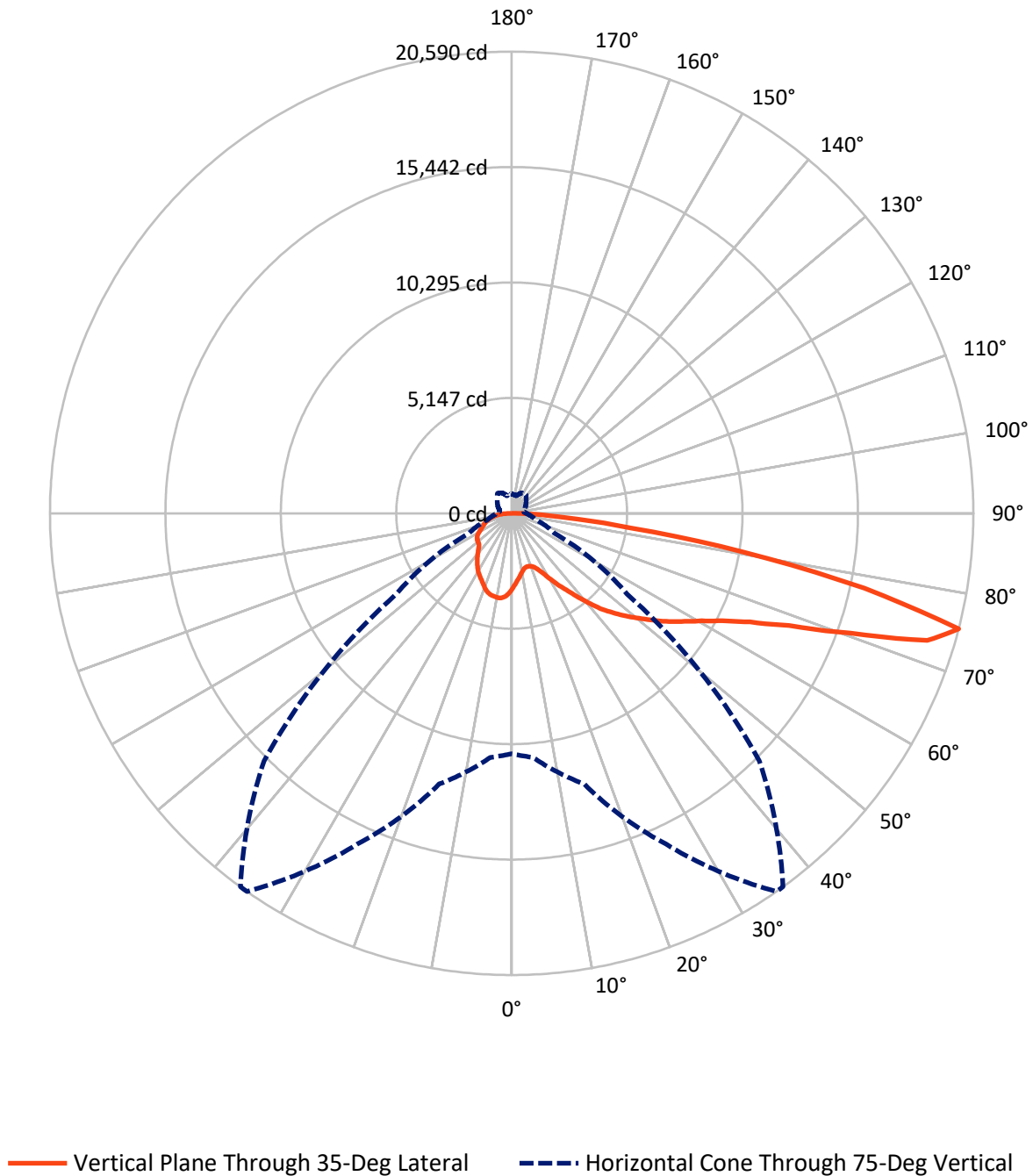


Based on 25 foot mounting height. Maximum calculated value = 6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6011.7	0.0	6011.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19250.3	0.0	19250.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	25262.0	0.0	25262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.7	1.3
10°-20°	919.3	3.6
20°-30°	1543.8	6.1
30°-40°	2399.3	9.5
40°-50°	3561.2	14.1
50°-60°	4916.4	19.5
60°-70°	5964.8	23.6
70°-80°	4929.4	19.5
80°-90°	709.0	2.8
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°	25262.0	100.0
0°-180°	25262.0	100.0

Coefficient of Utilization



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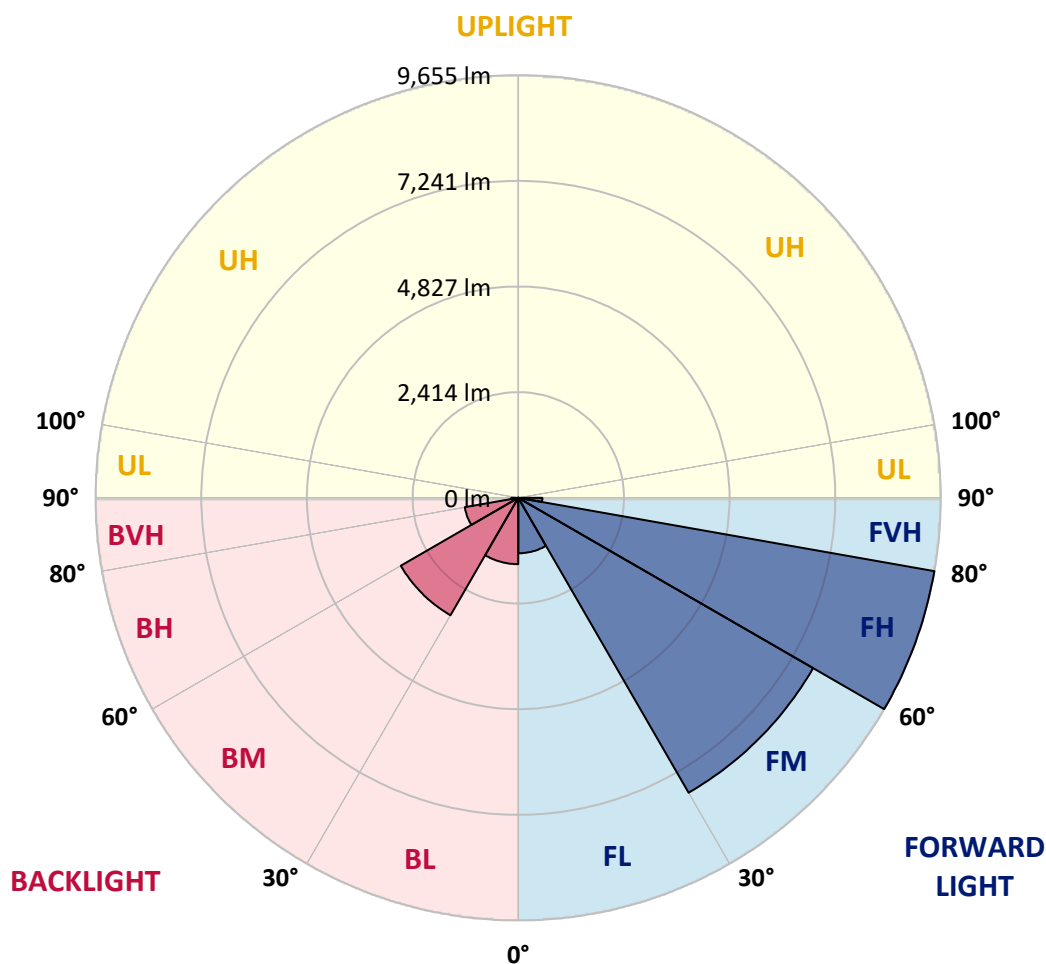
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1266.8	5.0			
FM	(30°-60°)	7779.3	30.8			
FH	(60°-80°)	9654.8	38.2			G4/12000
FVH	(80°-90°)	549.4	2.2			G4/750
BL	(0°-30°)	1515.0	6.0	B3/2500		
BM	(30°-60°)	3097.6	12.3	B3/5000		
BH	(60°-80°)	1239.4	4.9	B3/2500		G3/2500
BVH	(80°-90°)	159.7	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3
2.5°	3104.1	3123.2	3131.4	3127.3	3147.8	3145.1	3173.8	3209.3	3258.4	3306.2
5°	2865.1	2885.6	2903.4	2919.8	2959.4	2971.7	3016.7	3085.0	3175.1	3266.6
7.5°	2642.5	2660.3	2687.6	2717.6	2784.6	2796.9	2872.0	2978.5	3104.1	3238.0
10°	2460.9	2478.7	2507.3	2541.5	2624.8	2639.8	2735.4	2877.4	3041.3	3210.6
12.5°	2383.1	2388.5	2404.9	2439.1	2511.4	2521.0	2626.1	2788.7	2979.9	3190.2
15°	2379.0	2389.9	2391.3	2409.0	2469.1	2473.2	2570.2	2731.3	2941.6	3186.1
17.5°	2419.9	2428.1	2415.8	2426.8	2477.3	2484.1	2560.6	2704.0	2929.3	3203.8
20°	2529.2	2536.0	2499.1	2484.1	2521.0	2526.5	2601.6	2721.7	2941.6	3240.7
22.5°	2761.3	2765.4	2675.3	2613.9	2616.6	2619.3	2684.9	2794.1	2989.4	3307.6
25°	3123.2	3120.5	2977.1	2858.3	2790.0	2775.0	2818.7	2911.6	3070.0	3396.4
27.5°	3546.6	3526.1	3382.7	3205.2	3056.3	3034.5	3024.9	3064.5	3184.7	3513.8
30°	4024.6	4005.5	3851.1	3619.0	3412.8	3377.3	3287.1	3266.6	3355.4	3673.6
32.5°	4549.0	4536.7	4352.3	4071.0	3795.1	3754.2	3602.6	3548.0	3617.6	3915.3
35°	4988.7	4977.8	4824.8	4535.3	4198.0	4147.5	3993.2	3931.7	3967.2	4225.3
37.5°	5386.1	5380.7	5249.6	5021.5	4673.3	4611.8	4438.4	4417.9	4411.1	4633.7
40°	5754.9	5741.2	5604.6	5484.5	5226.4	5170.4	5017.4	4999.7	4947.8	5136.2
42.5°	6163.2	6127.7	5929.7	5873.7	5804.0	5757.6	5666.1	5668.8	5554.1	5703.0
45°	6496.4	6475.9	6272.4	6239.7	6314.8	6295.7	6374.9	6395.3	6172.7	6297.0
47.5°	6854.2	6835.1	6663.0	6639.8	6843.3	6848.7	7128.7	7135.5	6776.4	6914.3
50°	7295.3	7268.0	7097.3	7126.0	7354.0	7374.5	7886.6	7840.2	7332.2	7541.1
52.5°	7586.2	7602.6	7565.7	7612.1	7923.5	7942.6	8632.3	8513.5	7882.5	8159.8
55°	7800.6	7833.4	7948.1	8054.6	8524.4	8543.5	9335.6	9154.0	8338.7	8733.3
57.5°	8076.5	8030.0	8244.4	8452.0	9095.2	9145.8	10019.8	9771.2	8742.9	9227.7
60°	8472.5	8439.7	8606.3	8913.6	9734.4	9814.9	10743.6	10327.1	9039.3	9619.7
62.5°	9275.5	9193.6	9219.5	9491.3	10540.1	10646.6	11560.2	10811.9	9186.7	9772.6
65°	10475.9	10335.3	10204.2	10392.6	11675.0	11780.1	12482.1	11192.9	9132.1	9476.3
67.5°	11987.7	11848.4	11687.3	11864.8	13346.5	13429.8	13619.6	11407.3	8701.9	8334.6
70°	13234.5	13182.6	13375.2	14105.8	16016.4	16019.1	15078.2	11229.8	7523.4	5909.2
72.5°	13069.3	13037.9	14052.6	16311.3	19381.3	19309.0	16458.8	9886.0	5067.9	2665.8
75°	10721.7	10925.2	12497.1	16271.7	20589.9	20580.4	15613.5	6284.7	2096.3	1104.8
77.5°	5749.4	6071.7	8113.3	12013.6	16073.7	16315.4	10977.1	2198.7	900.0	707.4
80°	1875.0	2156.4	3233.9	6116.8	10444.5	10399.4	4704.7	863.1	615.9	501.2
82.5°	796.2	829.0	1444.9	2888.4	5360.2	5276.9	1498.1	495.7	432.9	342.8
85°	311.4	348.2	637.8	1335.6	2321.6	2271.1	540.8	245.8	277.2	224.0
87.5°	102.4	124.3	228.1	457.5	722.4	696.5	132.5	84.7	120.2	102.4
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°
3366.3	0°	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3	3366.3
3375.9	2.5°	3395.0	3416.9	3442.8	3481.0	3513.8	3541.1	3569.8	3587.6	3594.4	3614.9
3381.4	5°	3419.6	3467.4	3531.6	3594.4	3655.9	3692.7	3725.5	3741.9	3756.9	3767.8
3396.4	7.5°	3460.6	3522.0	3623.1	3705.0	3756.9	3787.0	3808.8	3803.3	3808.8	3811.5
3412.8	10°	3496.1	3582.1	3702.3	3780.1	3819.7	3821.1	3815.6	3796.5	3787.0	3788.3
3437.3	12.5°	3538.4	3634.0	3763.7	3829.3	3840.2	3810.2	3787.0	3754.2	3741.9	3736.4
3474.2	15°	3595.8	3705.0	3830.7	3855.2	3827.9	3789.7	3750.1	3696.8	3669.5	3647.7
3537.0	17.5°	3665.4	3785.6	3882.5	3864.8	3806.1	3743.3	3679.1	3598.5	3542.5	3519.3
3623.1	20°	3762.4	3870.3	3922.2	3844.3	3755.5	3659.9	3550.7	3452.4	3400.5	3377.3
3732.3	22.5°	3879.8	3983.6	3960.4	3808.8	3683.2	3530.2	3393.6	3321.3	3295.3	3278.9
3873.0	25°	4020.5	4109.2	3987.7	3756.9	3564.4	3358.1	3253.0	3229.8	3217.5	3205.2
4045.1	27.5°	4203.5	4251.3	4008.2	3680.4	3378.6	3175.1	3136.9	3141.0	3136.9	3116.4
4284.1	30°	4445.2	4435.6	4027.3	3556.2	3165.6	3009.9	3012.6	3030.4	3033.1	3019.5
4617.3	32.5°	4763.4	4666.4	4036.9	3395.0	2962.1	2865.1	2867.9	2887.0	2900.6	2877.4
5052.9	35°	5148.5	4935.5	4021.8	3192.9	2805.0	2727.2	2706.7	2712.2	2716.3	2694.4
5581.4	37.5°	5597.8	5237.3	3954.9	2968.9	2675.3	2592.0	2548.3	2511.4	2489.6	2469.1
6179.6	40°	6090.8	5566.4	3832.0	2750.4	2530.6	2448.6	2383.1	2313.4	2239.7	2212.4
6813.2	42.5°	6607.0	5905.1	3683.2	2541.5	2363.9	2297.0	2227.4	2126.3	2015.7	1959.7
7471.5	45°	7142.4	6252.0	3537.0	2335.3	2193.2	2164.6	2084.0	1962.4	1842.3	1771.3
8131.1	47.5°	7666.8	6579.7	3322.6	2127.7	2033.5	2064.9	2002.0	1890.1	1756.2	1644.2
8785.2	50°	8168.0	6887.0	2971.7	1917.4	1903.7	2034.8	1974.7	1813.6	1660.6	1517.2
9427.1	52.5°	8665.1	7135.5	2522.4	1726.2	1834.1	2026.6	1939.2	1761.7	1574.6	1424.4
10030.7	55°	9087.0	7263.9	2089.4	1562.3	1733.0	1957.0	1896.9	1700.2	1453.1	1293.3
10444.5	57.5°	9327.4	7160.1	1728.9	1401.2	1593.7	1842.3	1824.5	1569.1	1308.3	1185.4
10525.1	60°	9223.6	6739.5	1433.9	1260.5	1461.2	1718.0	1698.9	1439.4	1197.7	1081.6
10093.5	62.5°	8651.4	5937.9	1200.4	1137.6	1341.1	1591.0	1573.2	1339.7	1113.0	1001.0
8947.8	65°	7498.8	4830.3	1018.8	1035.2	1219.5	1438.0	1464.0	1256.4	1046.1	936.8
6922.5	67.5°	5719.4	3498.8	876.7	946.4	1100.7	1287.8	1362.9	1196.3	990.1	886.3
4005.5	70°	3259.8	1987.0	756.6	860.4	995.6	1148.5	1285.1	1148.5	930.0	844.0
1500.9	72.5°	1235.9	912.3	654.1	774.3	894.5	1031.1	1199.0	1073.4	860.4	796.2
775.7	75°	659.6	555.8	550.4	673.3	778.4	916.4	1091.2	999.7	808.5	841.2
536.7	77.5°	449.3	393.3	460.2	576.3	651.4	789.3	976.4	887.7	700.6	697.8
371.5	80°	311.4	278.6	374.2	464.3	503.9	663.7	852.2	762.0	570.8	532.6
229.4	82.5°	187.1	181.6	280.0	346.9	356.4	512.1	706.0	639.1	467.1	407.0
136.6	85°	102.4	107.9	178.9	203.5	207.6	357.8	553.1	494.4	359.2	301.8
49.2	87.5°	28.7	36.9	65.6	80.6	99.7	185.7	329.1	293.6	180.3	125.6
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°
3366.3
3613.5
3770.6
3815.6
3791.1
3733.7
3654.5
3520.7
3374.5
3281.7
3205.2
3120.5
3026.3
2888.4
2709.5
2482.8
2224.6
1966.5
1765.8
1632.0
1504.9
1408.0
1279.6
1169.0
1065.2
983.3
919.1
869.9
833.0
785.2
868.6
643.2
509.4
409.7
304.5
125.6
0.0