

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: P941179

Luminaire Tested: **GLAN-SB4C-830-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941179
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-SB4C-830-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26656 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 200.7
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



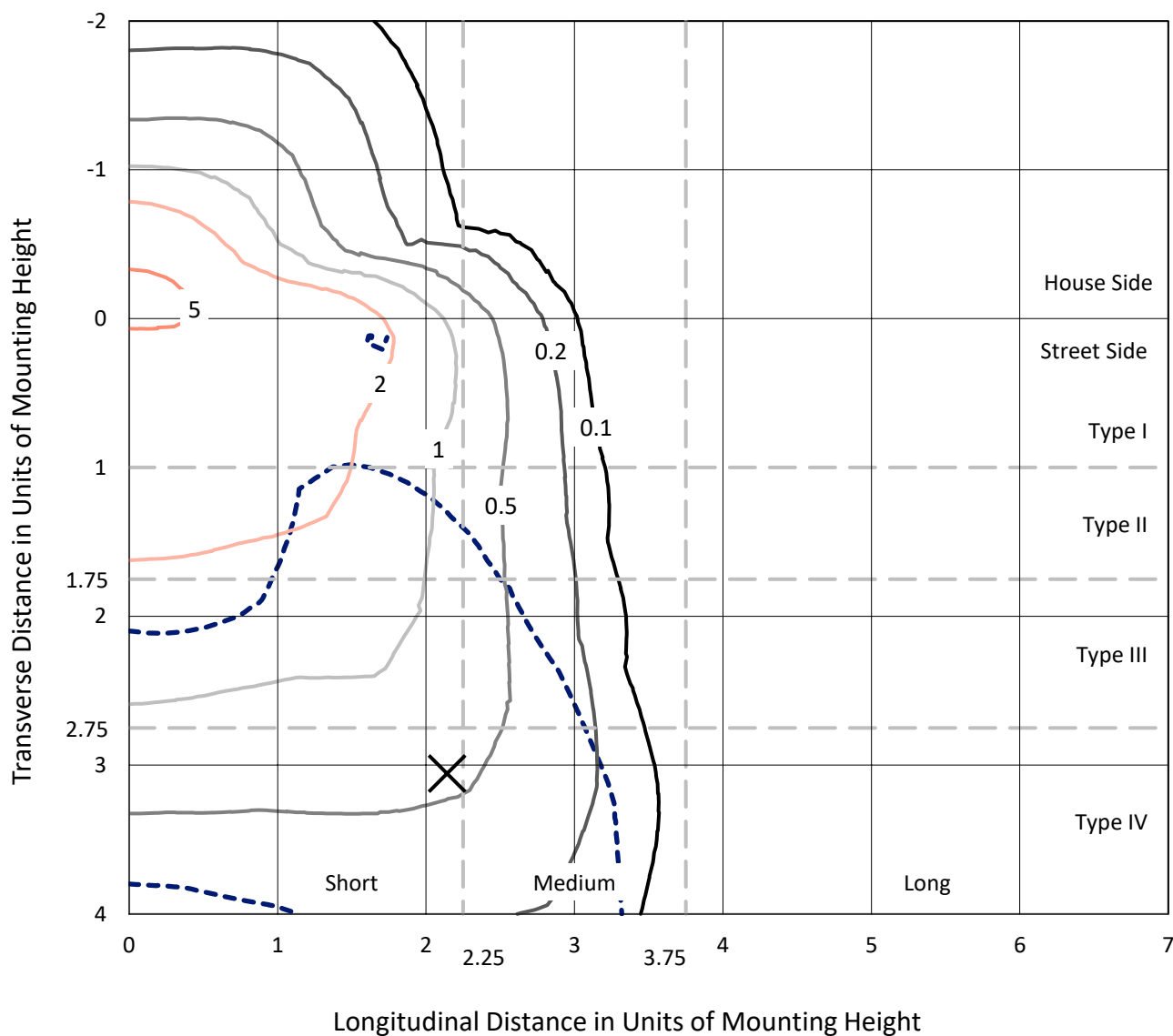
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



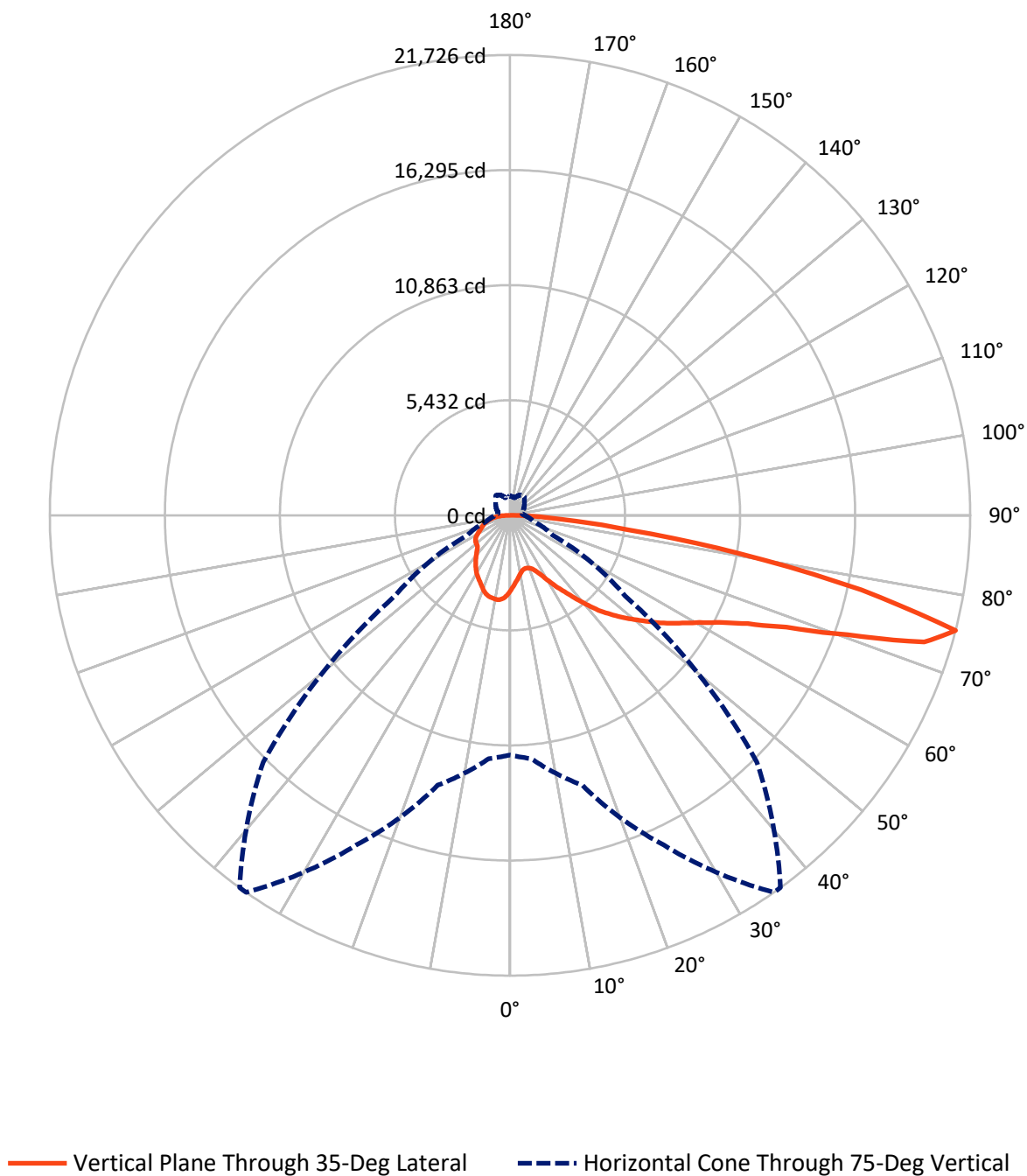
Based on 25 foot mounting height. Maximum calculated value = 6.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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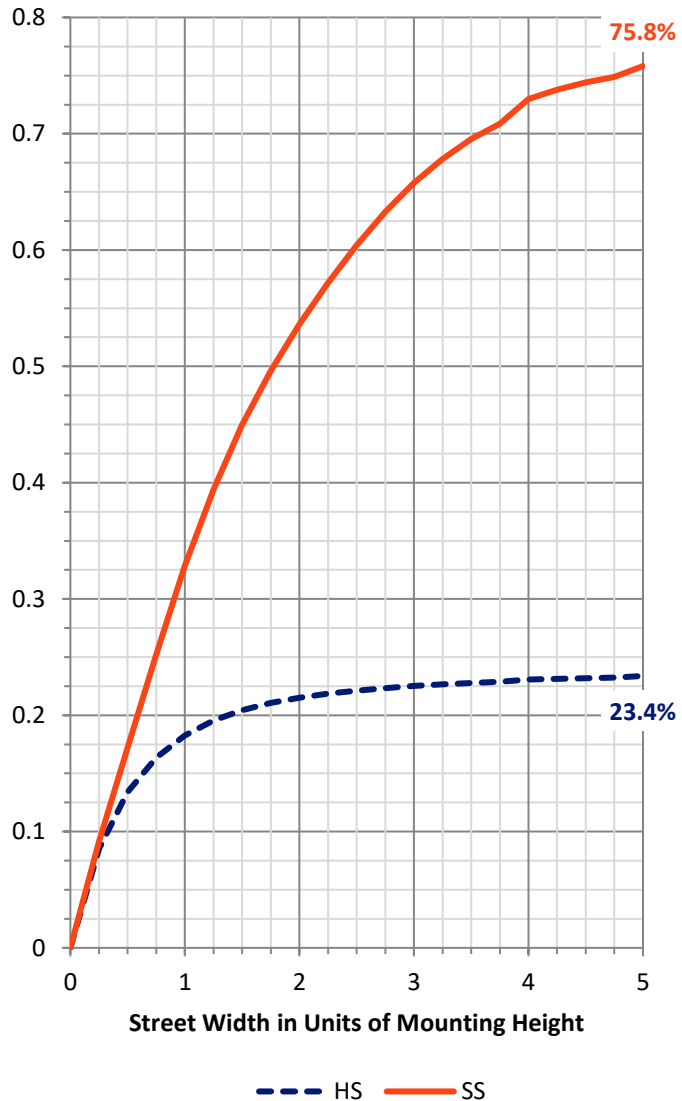
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6343.5	0.0	6343.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20312.5	0.0	20312.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	26656.0	0.0	26656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.3	1.3
10°-20°	970.1	3.6
20°-30°	1629.0	6.1
30°-40°	2531.7	9.5
40°-50°	3757.7	14.1
50°-60°	5187.7	19.5
60°-70°	6293.9	23.6
70°-80°	5201.4	19.5
80°-90°	748.1	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°	26656.0	100.0
0°-180°	26656.0	100.0

Coefficient of Utilization



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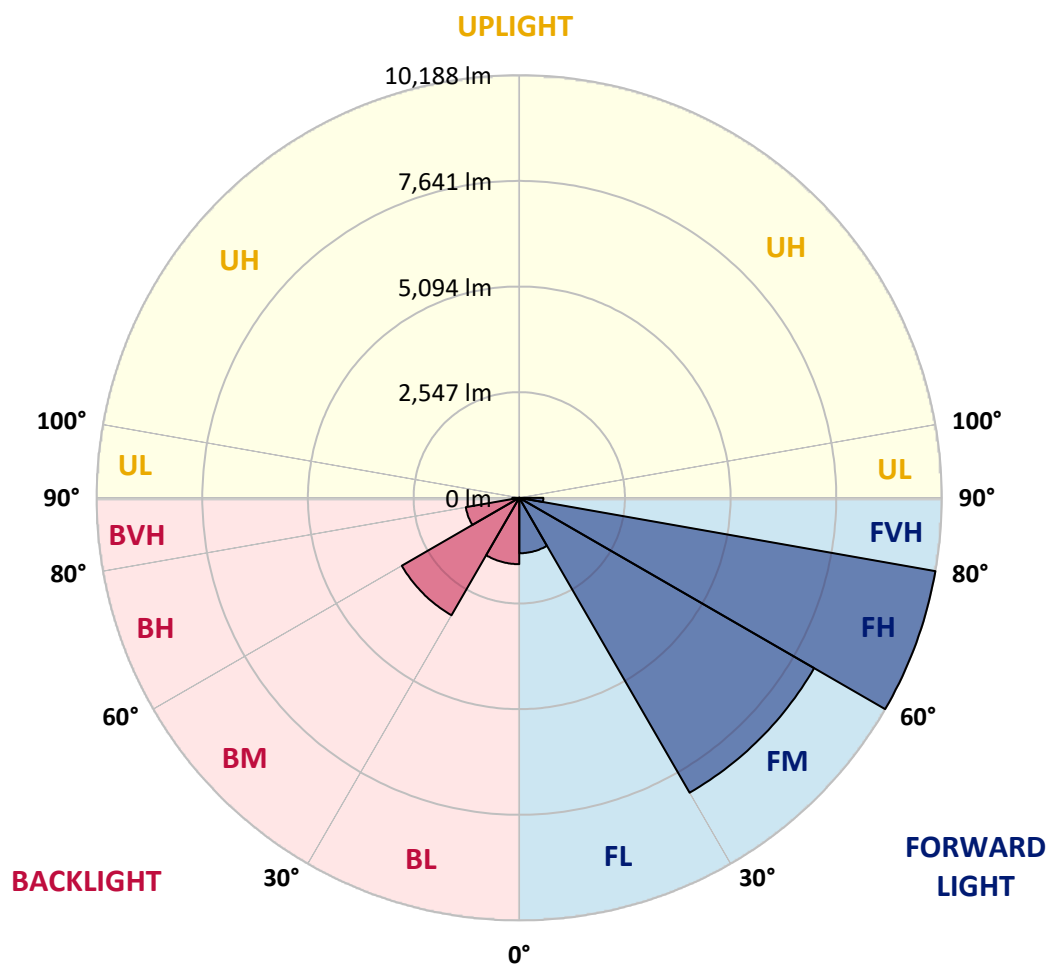
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1336.7	5.0			
FM	(30°-60°)	8208.6	30.8			
FH	(60°-80°)	10187.5	38.2			G4/12000
FVH	(80°-90°)	579.7	2.2			G4/750
BL	(0°-30°)	1598.6	6.0	B3/2500		
BM	(30°-60°)	3268.5	12.3	B3/5000		
BH	(60°-80°)	1307.8	4.9	B3/2500		G3/2500
BVH	(80°-90°)	168.5	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°	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1
2.5°	3275.4	3295.6	3304.2	3299.9	3321.5	3318.6	3348.9	3386.4	3438.3	3488.7
5°	3023.2	3044.9	3063.6	3080.9	3122.7	3135.6	3183.2	3255.2	3350.4	3446.9
7.5°	2788.4	2807.1	2835.9	2867.6	2938.2	2951.2	3030.4	3142.8	3275.4	3416.6
10°	2596.7	2615.4	2645.7	2681.7	2769.6	2785.5	2886.3	3036.2	3209.1	3387.8
12.5°	2514.6	2520.3	2537.6	2573.6	2650.0	2660.1	2771.1	2942.5	3144.3	3366.2
15°	2510.2	2521.8	2523.2	2541.9	2605.3	2609.7	2712.0	2882.0	3103.9	3361.9
17.5°	2553.5	2562.1	2549.1	2560.7	2614.0	2621.2	2701.9	2853.2	3091.0	3380.6
20°	2668.8	2676.0	2637.1	2621.2	2660.1	2665.9	2745.1	2871.9	3103.9	3419.5
22.5°	2913.7	2918.0	2822.9	2758.1	2761.0	2763.9	2833.0	2948.3	3154.4	3490.1
25°	3295.6	3292.7	3141.4	3016.0	2944.0	2928.1	2974.2	3072.2	3239.4	3583.8
27.5°	3742.3	3720.7	3569.4	3382.1	3225.0	3201.9	3191.8	3233.6	3360.4	3707.7
30°	4246.7	4226.5	4063.7	3818.7	3601.1	3563.6	3468.5	3446.9	3540.6	3876.3
32.5°	4800.0	4787.0	4592.5	4295.7	4004.6	3961.3	3801.4	3743.7	3817.2	4131.4
35°	5264.0	5252.5	5091.1	4785.6	4429.7	4376.4	4213.5	4148.7	4186.1	4458.5
37.5°	5683.3	5677.6	5539.2	5298.6	4931.1	4866.3	4683.3	4661.7	4654.5	4889.4
40°	6072.4	6058.0	5913.9	5787.1	5514.7	5455.7	5294.3	5275.5	5220.8	5419.6
42.5°	6503.3	6465.8	6256.9	6197.8	6124.3	6075.3	5978.8	5981.6	5860.6	6017.7
45°	6854.9	6833.3	6618.6	6584.0	6663.2	6643.1	6726.6	6748.3	6513.4	6644.5
47.5°	7232.4	7212.3	7030.7	7006.2	7220.9	7226.7	7522.1	7529.3	7150.3	7295.8
50°	7697.9	7669.1	7488.9	7519.2	7759.8	7781.5	8321.8	8272.8	7736.8	7957.3
52.5°	8004.8	8022.1	7983.2	8032.2	8360.7	8380.9	9108.6	8983.3	8317.5	8610.0
55°	8231.1	8265.6	8386.7	8499.1	8994.8	9015.0	9850.8	9659.1	8798.8	9215.3
57.5°	8522.1	8473.1	8699.4	8918.4	9597.1	9650.5	10572.7	10310.4	9225.4	9736.9
60°	8940.0	8905.4	9081.3	9405.5	10271.5	10356.5	11336.4	10896.9	9538.1	10150.5
62.5°	9787.3	9700.9	9728.3	10015.0	11121.7	11234.1	12198.2	11408.5	9693.7	10311.9
65°	11054.0	10905.6	10767.2	10966.1	12319.2	12430.2	13170.8	11810.5	9636.0	9999.2
67.5°	12649.2	12502.2	12332.2	12519.5	14083.0	14170.9	14371.2	12036.8	9182.1	8794.5
70°	13964.8	13910.1	14113.3	14884.2	16900.2	16903.1	15910.2	11849.4	7938.5	6235.3
72.5°	13790.5	13757.3	14828.0	17211.4	20450.8	20374.5	17367.1	10431.5	5347.6	2812.9
75°	11313.4	11528.1	13186.7	17169.6	21726.1	21716.0	16475.1	6631.5	2212.0	1165.8
77.5°	6066.7	6406.7	8561.0	12676.6	16960.7	17215.8	11582.8	2320.0	949.6	746.4
80°	1978.5	2275.4	3412.3	6454.3	11020.9	10973.3	4964.3	910.7	649.9	528.9
82.5°	840.1	874.7	1524.6	3047.7	5656.0	5568.1	1580.8	523.1	456.8	361.7
85°	328.6	367.5	673.0	1409.3	2449.7	2396.4	570.6	259.4	292.5	236.3
87.5°	108.1	131.1	240.6	482.7	762.3	734.9	139.8	89.3	126.8	108.1
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°
3552.1	0°	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1	3552.1
3562.2	2.5°	3582.4	3605.4	3632.8	3673.1	3707.7	3736.5	3766.8	3785.5	3792.7	3814.4
3567.9	5°	3608.3	3658.7	3726.5	3792.7	3857.6	3896.5	3931.1	3948.4	3964.2	3975.7
3583.8	7.5°	3651.5	3716.4	3823.0	3909.5	3964.2	3995.9	4019.0	4013.2	4019.0	4021.9
3601.1	10°	3689.0	3779.8	3906.6	3988.7	4030.5	4031.9	4026.2	4006.0	3995.9	3997.4
3627.0	12.5°	3733.7	3834.5	3971.4	4040.6	4052.1	4020.4	3995.9	3961.3	3948.4	3942.6
3665.9	15°	3794.2	3909.5	4042.0	4068.0	4039.2	3998.8	3957.0	3900.8	3872.0	3848.9
3732.2	17.5°	3867.7	3994.5	4096.8	4078.1	4016.1	3949.8	3882.1	3797.1	3738.0	3713.5
3823.0	20°	3970.0	4083.8	4138.6	4056.4	3962.8	3861.9	3746.6	3642.9	3588.1	3563.6
3938.3	22.5°	4093.9	4203.4	4178.9	4019.0	3886.4	3725.0	3580.9	3504.5	3477.2	3459.9
4086.7	25°	4242.3	4336.0	4207.8	3964.2	3761.0	3543.4	3432.5	3408.0	3395.0	3382.1
4268.3	27.5°	4435.4	4485.9	4229.4	3883.5	3565.1	3350.4	3310.0	3314.3	3310.0	3288.4
4520.5	30°	4690.5	4680.4	4249.5	3752.4	3340.3	3176.0	3178.9	3197.6	3200.5	3186.1
4872.1	32.5°	5026.2	4923.9	4259.6	3582.4	3125.6	3023.2	3026.1	3046.3	3060.7	3036.2
5331.7	35°	5432.6	5207.8	4243.8	3369.1	2959.8	2877.7	2856.1	2861.8	2866.2	2843.1
5889.4	37.5°	5906.7	5526.3	4173.2	3132.8	2822.9	2735.0	2688.9	2650.0	2627.0	2605.3
6520.6	40°	6426.9	5873.6	4043.5	2902.2	2670.2	2583.7	2514.6	2441.1	2363.3	2334.4
7189.2	42.5°	6971.6	6230.9	3886.4	2681.7	2494.4	2423.8	2350.3	2243.7	2126.9	2067.9
7883.8	45°	7536.5	6596.9	3732.2	2464.1	2314.3	2284.0	2199.0	2070.7	1943.9	1869.0
8579.8	47.5°	8089.8	6942.8	3506.0	2245.1	2145.7	2178.8	2112.5	1994.4	1853.1	1735.0
9270.0	50°	8618.7	7267.0	3135.6	2023.2	2008.8	2147.1	2083.7	1913.7	1752.3	1601.0
9947.3	52.5°	9143.2	7529.3	2661.5	1821.4	1935.3	2138.5	2046.2	1858.9	1661.5	1503.0
10584.2	55°	9588.5	7664.7	2204.7	1648.5	1828.6	2065.0	2001.6	1794.1	1533.2	1364.6
11020.9	57.5°	9842.1	7555.2	1824.3	1478.5	1681.7	1943.9	1925.2	1655.7	1380.5	1250.8
11105.9	60°	9732.6	7111.4	1513.1	1330.1	1541.9	1812.8	1792.6	1518.8	1263.8	1141.3
10650.5	62.5°	9128.8	6265.5	1266.6	1200.4	1415.1	1678.8	1660.0	1413.6	1174.4	1056.3
9441.5	65°	7912.6	5096.9	1075.0	1092.3	1286.8	1517.4	1544.8	1325.7	1103.8	988.5
7304.5	67.5°	6035.0	3691.9	925.1	998.6	1161.5	1358.9	1438.1	1262.3	1044.7	935.2
4226.5	70°	3439.7	2096.7	798.3	907.8	1050.5	1211.9	1356.0	1211.9	981.3	890.5
1583.7	72.5°	1304.1	962.6	690.2	817.1	943.9	1088.0	1265.2	1132.6	907.8	840.1
818.5	75°	696.0	586.5	580.7	710.4	821.4	966.9	1151.4	1054.8	853.1	887.7
566.3	77.5°	474.1	415.0	485.6	608.1	687.4	832.9	1030.3	936.7	739.2	736.4
392.0	80°	328.6	294.0	394.8	489.9	531.7	700.3	899.2	804.1	602.3	562.0
242.1	82.5°	197.4	191.7	295.4	366.0	376.1	540.4	745.0	674.4	492.8	429.4
144.1	85°	108.1	113.8	188.8	214.7	219.0	377.5	583.6	521.6	379.0	318.5
51.9	87.5°	30.3	38.9	69.2	85.0	105.2	196.0	347.3	309.8	190.2	132.6
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°
3552.1
3812.9
3978.6
4026.2
4000.2
3939.7
3856.1
3714.9
3560.7
3462.7
3382.1
3292.7
3193.3
3047.7
2859.0
2619.8
2347.4
2075.1
1863.2
1722.0
1588.0
1485.7
1350.2
1233.5
1124.0
1037.5
969.8
917.9
879.0
828.6
916.5
678.7
537.5
432.3
321.3
132.6
0.0