

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: P951587

Luminaire Tested: **GLAN-SB5C-940-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-940-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27781 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 249.5
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



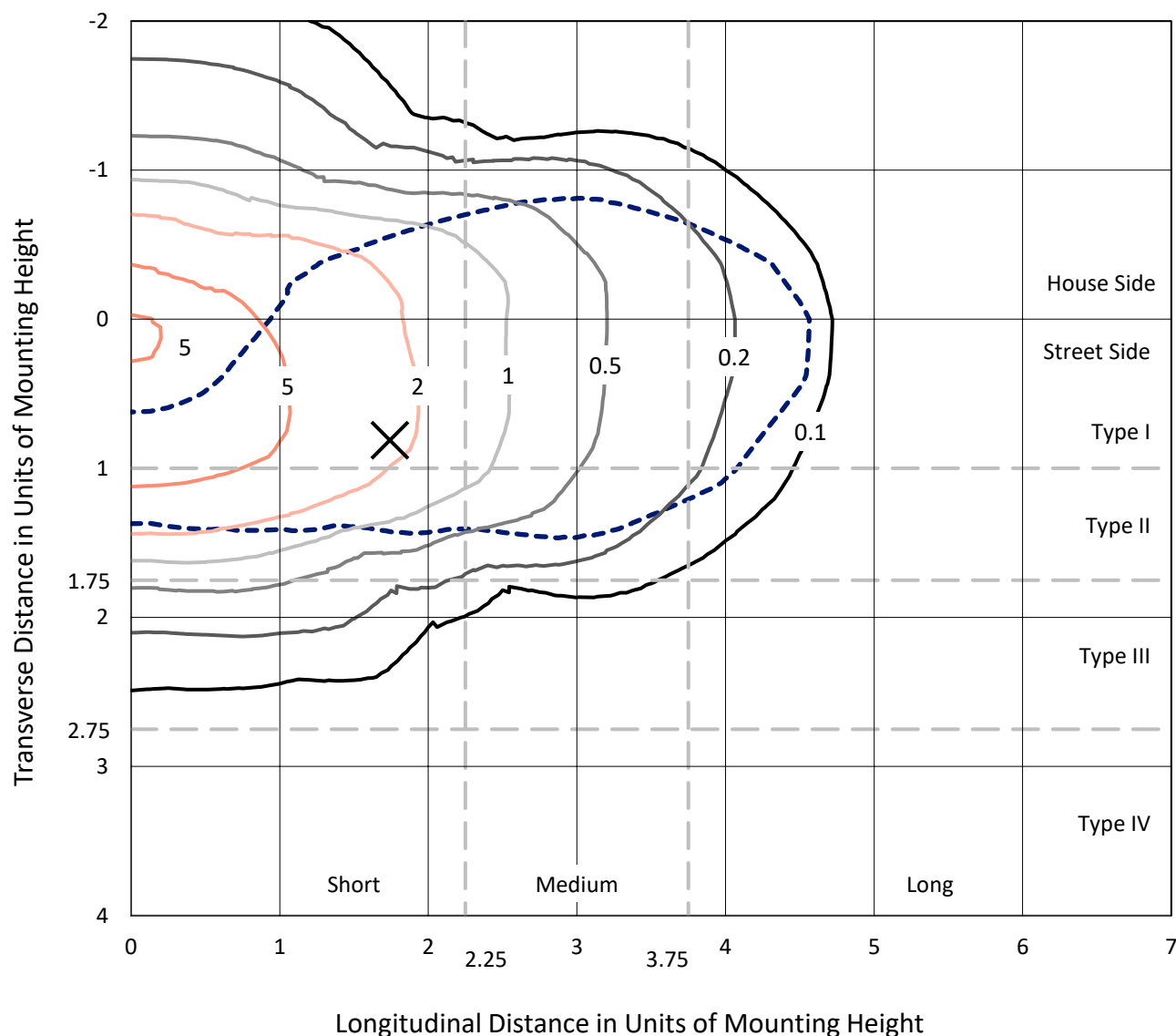
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

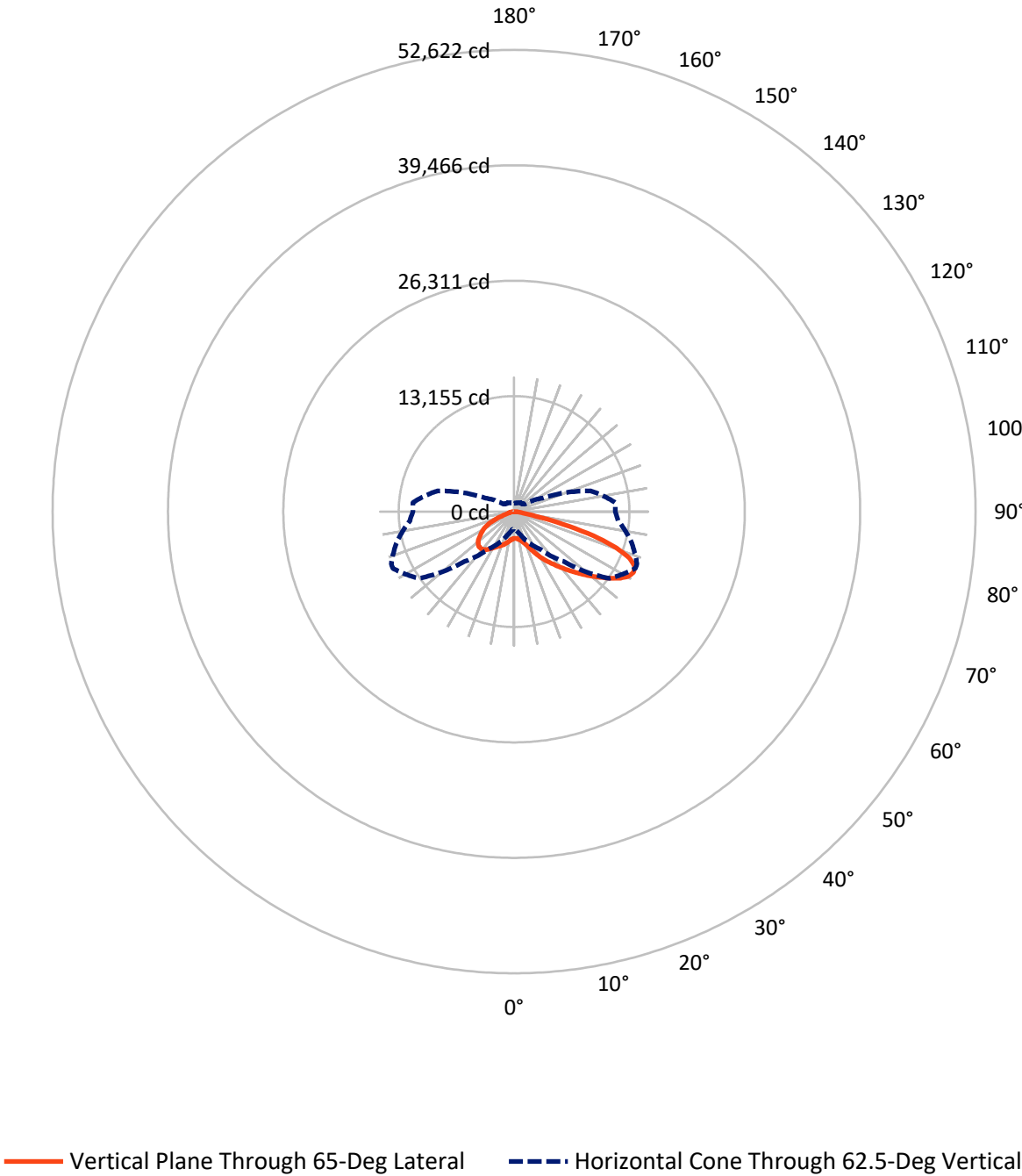


Based on 25 foot mounting height. Maximum calculated value = 7.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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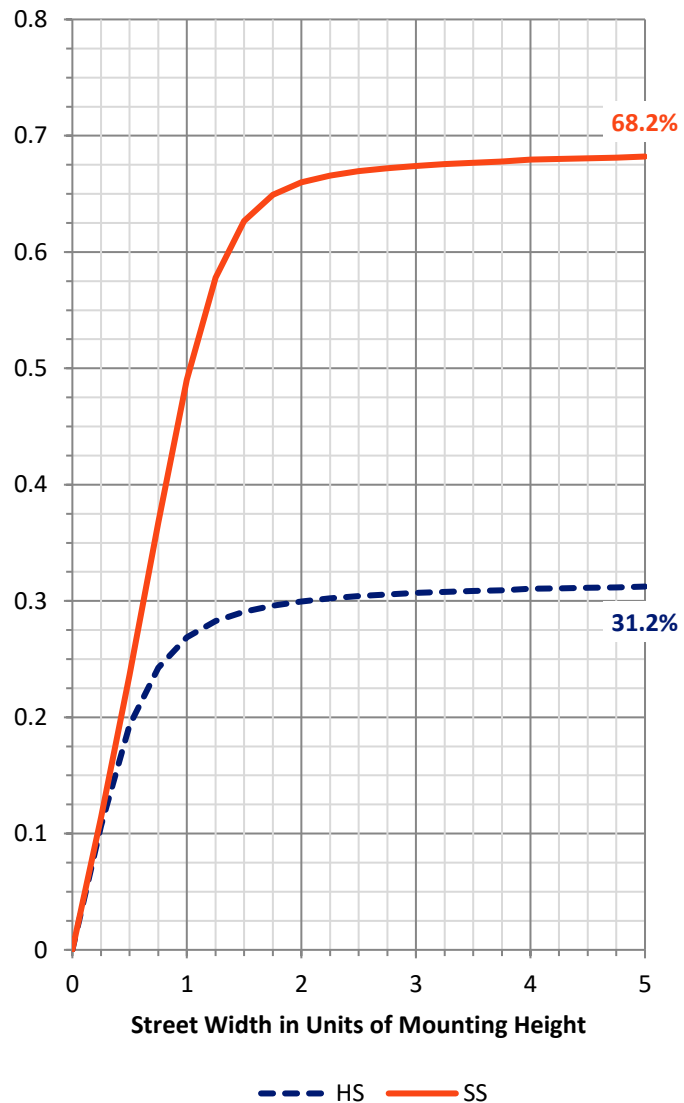
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8766.5	0.0	8766.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	19014.5	0.0	19014.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	27781.0	0.0	27781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.2	1.1
10°-20°	1035.0	3.7
20°-30°	2098.6	7.6
30°-40°	3631.6	13.1
40°-50°	5495.7	19.8
50°-60°	6443.3	23.2
60°-70°	5401.9	19.4
70°-80°	2982.3	10.7
80°-90°	387.4	1.4
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°	27781.0	100.0
0°-180°	27781.0	100.0

Coefficient of Utilization



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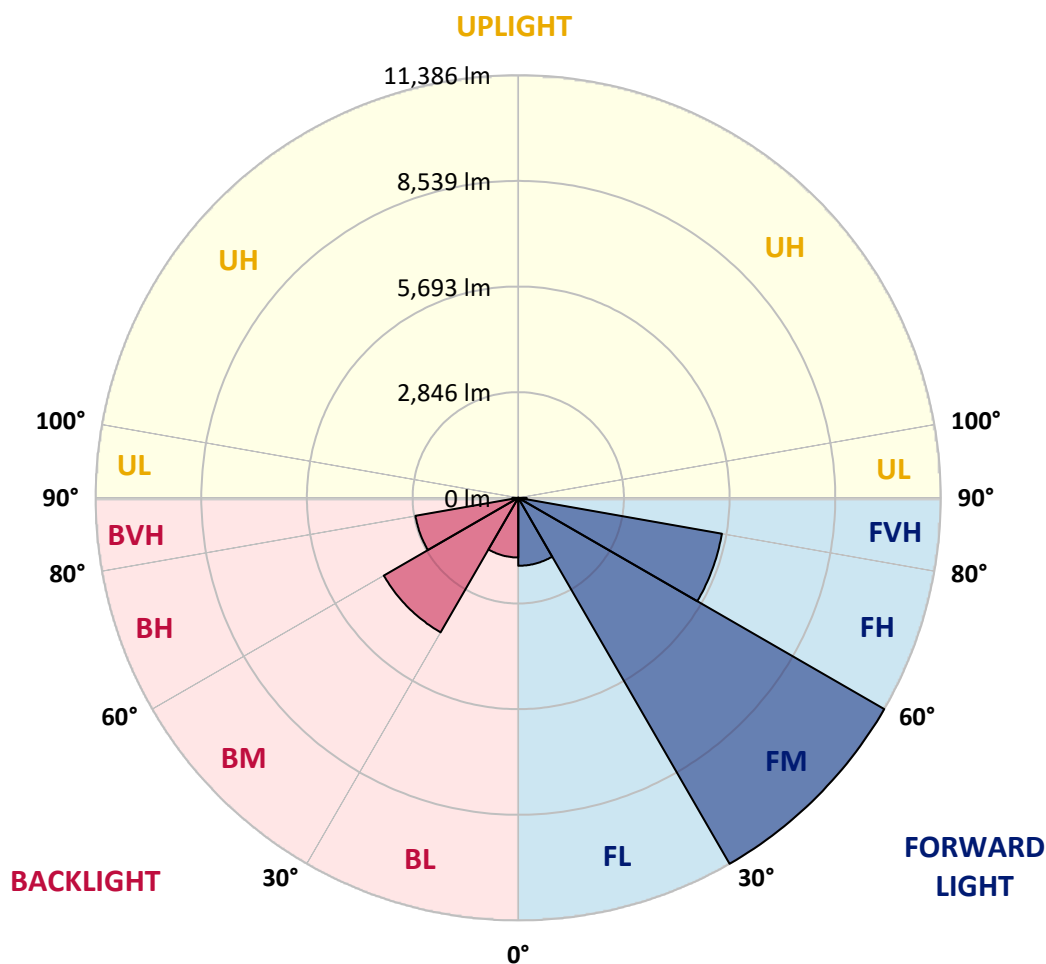
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1831.1	6.6			
FM	(30°-60°)	11385.6	41.0			
FH	(60°-80°)	5572.0	20.1			G3/7500
FVH	(80°-90°)	225.8	0.8			G3/500
BL	(0°-30°)	1607.7	5.8	B3/2500		
BM	(30°-60°)	4185.0	15.1	B3/5000		
BH	(60°-80°)	2812.2	10.1	B4/5000		G4/5000
BVH	(80°-90°)	161.6	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3
2.5°	3041.2	3032.5	3039.7	3039.7	3042.6	3041.2	3051.3	3054.1	3058.5	3067.1
5°	3010.9	3009.5	3022.4	3034.0	3045.5	3055.6	3068.6	3087.3	3090.2	3100.3
7.5°	3000.8	2992.2	3012.3	3026.8	3054.1	3078.6	3113.2	3144.9	3157.9	3162.2
10°	3078.6	3064.2	3083.0	3091.6	3114.7	3139.2	3179.5	3230.0	3244.4	3261.7
12.5°	3211.2	3195.4	3222.8	3235.7	3257.4	3279.0	3306.4	3355.4	3362.6	3394.3
15°	3392.8	3374.1	3391.4	3407.3	3443.3	3463.5	3490.9	3538.4	3538.4	3562.9
17.5°	3639.3	3614.8	3627.8	3633.5	3656.6	3686.9	3733.0	3774.8	3796.4	3787.8
20°	4006.8	3976.6	3976.6	3947.8	3939.1	3963.6	4024.1	4081.8	4104.9	4060.2
22.5°	4558.9	4515.6	4491.1	4393.1	4354.2	4357.1	4417.6	4488.2	4507.0	4427.7
25°	5260.8	5193.0	5159.9	5015.8	4927.8	4851.5	4899.0	4989.8	5015.8	4917.8
27.5°	5962.7	5967.0	5935.3	5762.4	5616.8	5477.0	5452.5	5547.6	5575.0	5464.0
30°	6947.1	6844.8	6784.3	6576.7	6369.2	6173.1	6072.2	6111.2	6118.4	5985.8
32.5°	7796.1	7770.1	7640.4	7458.8	7192.1	6885.1	6716.5	6654.5	6643.0	6454.2
35°	8763.2	8748.8	8611.8	8395.6	8107.4	7680.7	7376.6	7199.4	7184.9	6919.7
37.5°	9746.1	9746.1	9612.1	9375.7	9077.4	8544.1	8081.4	7800.4	7754.3	7408.3
40°	10530.2	10482.7	10507.2	10407.7	10066.1	9499.7	8864.1	8456.2	8394.2	7979.1
42.5°	10975.6	10959.7	11106.7	11217.7	11077.9	10625.3	9726.0	9166.7	9080.3	8607.5
45°	11075.0	11057.7	11320.1	11726.5	11922.5	11736.6	10662.8	9914.8	9809.6	9264.8
47.5°	10845.9	10811.3	11196.1	11837.5	12465.9	12793.1	11677.5	10726.2	10573.5	9904.7
50°	10156.9	10123.8	10706.1	11557.9	12649.0	13510.9	12778.7	11586.7	11353.2	10590.8
52.5°	8659.4	8675.3	9587.6	10757.9	12408.3	13957.7	13727.1	12493.3	12212.2	11292.7
55°	6745.3	6779.9	7901.3	9189.8	11445.5	13889.9	14374.2	13427.3	13147.6	11952.8
57.5°	4829.8	4982.6	6033.3	7308.9	9596.3	12816.1	14515.4	14315.1	14044.1	12673.5
60°	3130.5	3157.9	4238.9	5524.5	7307.4	10907.8	14228.6	14988.2	14776.3	13408.5
62.5°	2006.3	2025.0	2683.7	3864.2	5259.3	8069.9	13262.9	15280.8	15215.9	13894.2
65°	1474.5	1460.0	1803.1	2554.0	3542.7	4976.8	11387.8	15139.5	15267.8	14198.4
67.5°	1230.9	1210.7	1379.3	1768.5	2610.2	2826.4	8425.9	14221.4	14691.3	14163.8
70°	1121.3	1104.0	1206.4	1313.0	2036.6	1892.4	4247.5	12363.6	13087.1	13770.3
72.5°	949.8	919.6	1059.4	1166.0	1584.0	1451.4	1755.5	9496.8	10378.9	12509.1
75°	736.5	716.3	836.0	1026.2	1190.5	1132.9	1109.8	5766.7	6729.5	9674.1
77.5°	583.7	556.3	665.9	799.9	1070.9	854.7	808.6	2483.4	3437.5	6176.0
80°	439.6	415.1	505.9	632.7	823.0	644.3	523.2	1013.2	1295.7	3129.1
82.5°	312.8	291.1	353.1	464.1	553.5	578.0	321.4	567.9	638.5	1206.4
85°	200.3	187.4	236.4	291.1	351.7	371.9	196.0	296.9	325.7	497.3
87.5°	109.5	89.4	126.8	135.5	162.9	148.5	93.7	108.1	116.7	180.2
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°
3061.3	0°	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3	3061.3
3067.1	2.5°	3072.9	3077.2	3091.6	3095.9	3106.0	3119.0	3127.6	3136.3	3136.3	3144.9
3113.2	5°	3114.7	3124.8	3155.0	3170.9	3196.8	3222.8	3238.6	3257.4	3268.9	3274.7
3186.7	7.5°	3195.4	3211.2	3254.5	3281.9	3326.5	3362.6	3387.1	3413.0	3418.8	3434.6
3289.1	10°	3304.9	3323.7	3372.7	3424.6	3477.9	3522.6	3545.6	3564.4	3571.6	3574.5
3420.2	12.5°	3430.3	3457.7	3521.1	3584.5	3640.8	3679.7	3685.4	3681.1	3660.9	3643.6
3581.7	15°	3584.5	3609.0	3679.7	3748.9	3803.6	3810.8	3774.8	3751.7	3727.2	3722.9
3761.8	17.5°	3769.0	3782.0	3846.9	3914.6	3918.9	3894.4	3841.1	3819.5	3796.4	3780.6
3996.8	20°	3983.8	3979.5	4025.6	4054.4	4024.1	3949.2	3868.5	3832.4	3809.4	3790.6
4285.0	22.5°	4240.3	4207.2	4201.4	4194.2	4113.5	3956.4	3846.9	3800.7	3764.7	3738.8
4687.1	25°	4613.6	4486.8	4398.9	4349.9	4168.3	3917.5	3777.7	3675.3	3607.6	3562.9
5178.6	27.5°	5080.6	4867.3	4645.3	4525.7	4168.3	3838.2	3610.5	3444.7	3333.8	3287.6
5654.3	30°	5526.0	5302.6	4975.4	4737.6	4158.2	3708.5	3341.0	3110.4	2980.6	2934.5
6060.7	32.5°	5906.5	5662.9	5325.6	4969.6	4133.7	3498.1	3006.6	2751.5	2626.1	2571.3
6462.8	35°	6259.6	6000.2	5677.3	5224.8	4068.8	3189.6	2639.0	2444.5	2304.7	2216.7
6872.2	37.5°	6621.4	6312.9	6010.3	5455.4	3952.1	2829.3	2356.5	2190.8	2026.5	1908.3
7307.4	40°	7014.9	6645.9	6366.3	5592.3	3760.4	2486.3	2137.5	1986.1	1811.7	1686.3
7809.0	42.5°	7474.6	7045.1	6762.6	5662.9	3498.1	2242.7	1994.8	1846.3	1682.0	1579.7
8346.6	45°	7954.6	7484.7	7124.4	5661.5	3205.5	2128.8	1948.7	1801.6	1620.0	1513.4
8898.7	47.5°	8457.6	7944.5	7437.2	5569.2	2951.8	2144.7	1922.7	1705.1	1504.7	1401.0
9456.4	50°	8962.1	8447.5	7739.8	5396.3	2843.7	2110.1	1826.1	1569.6	1333.2	1239.5
9979.6	52.5°	9462.2	8982.3	8000.7	5149.8	2734.2	1981.8	1702.2	1393.7	1262.6	1197.7
10520.1	55°	9965.2	9511.2	8284.7	4790.9	2460.3	1831.9	1494.6	1327.4	1206.4	1147.3
11049.1	57.5°	10469.7	10122.3	8554.2	4432.0	2115.8	1647.4	1380.8	1246.7	1150.2	1099.7
11491.6	60°	10994.3	10821.4	8832.4	4102.0	1775.7	1411.0	1297.2	1181.9	1083.9	1027.7
11916.8	62.5°	11534.8	11591.0	9050.0	3676.8	1462.9	1266.9	1222.2	1104.0	1008.9	955.6
12268.4	65°	12079.6	12333.3	9192.7	3087.3	1186.2	1130.0	1141.5	1019.0	922.4	876.3
12526.4	67.5°	12490.4	12868.0	9152.3	2336.4	972.9	1000.3	1040.6	929.6	838.8	802.8
12484.6	70°	12536.5	12804.6	8754.5	1599.9	814.3	873.4	928.2	841.7	748.0	722.1
11896.6	72.5°	11922.5	11939.8	7646.2	1045.0	688.9	766.8	810.0	752.4	661.6	635.6
10407.7	75°	10312.6	9874.4	5613.9	688.9	576.5	658.7	699.0	658.7	570.8	576.5
7787.4	77.5°	7813.3	6993.2	3408.7	490.0	481.4	553.5	608.2	579.4	504.5	566.4
3916.0	80°	4025.6	3783.4	1520.6	366.1	380.5	442.5	500.1	462.7	399.2	380.5
874.9	82.5°	922.4	1072.3	599.6	262.3	275.3	318.5	381.9	347.4	286.8	242.1
364.7	85°	322.9	353.1	265.2	164.3	161.4	198.9	259.4	232.1	194.6	155.7
154.2	87.5°	102.3	134.0	99.5	66.3	69.2	89.4	119.6	109.5	90.8	59.1
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°
3061.3
3144.9
3277.5
3428.9
3567.2
3643.6
3722.9
3782.0
3792.1
3747.4
3580.2
3310.7
2961.9
2598.7
2245.6
1940.0
1710.8
1599.9
1530.7
1415.4
1245.3
1197.7
1141.5
1091.1
1023.3
954.1
874.9
804.3
723.5
634.2
556.3
498.7
347.4
239.3
164.3
62.0
0.0