

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: P944735

Luminaire Tested: **GLAN-SB9D-827-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 79860 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 658
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



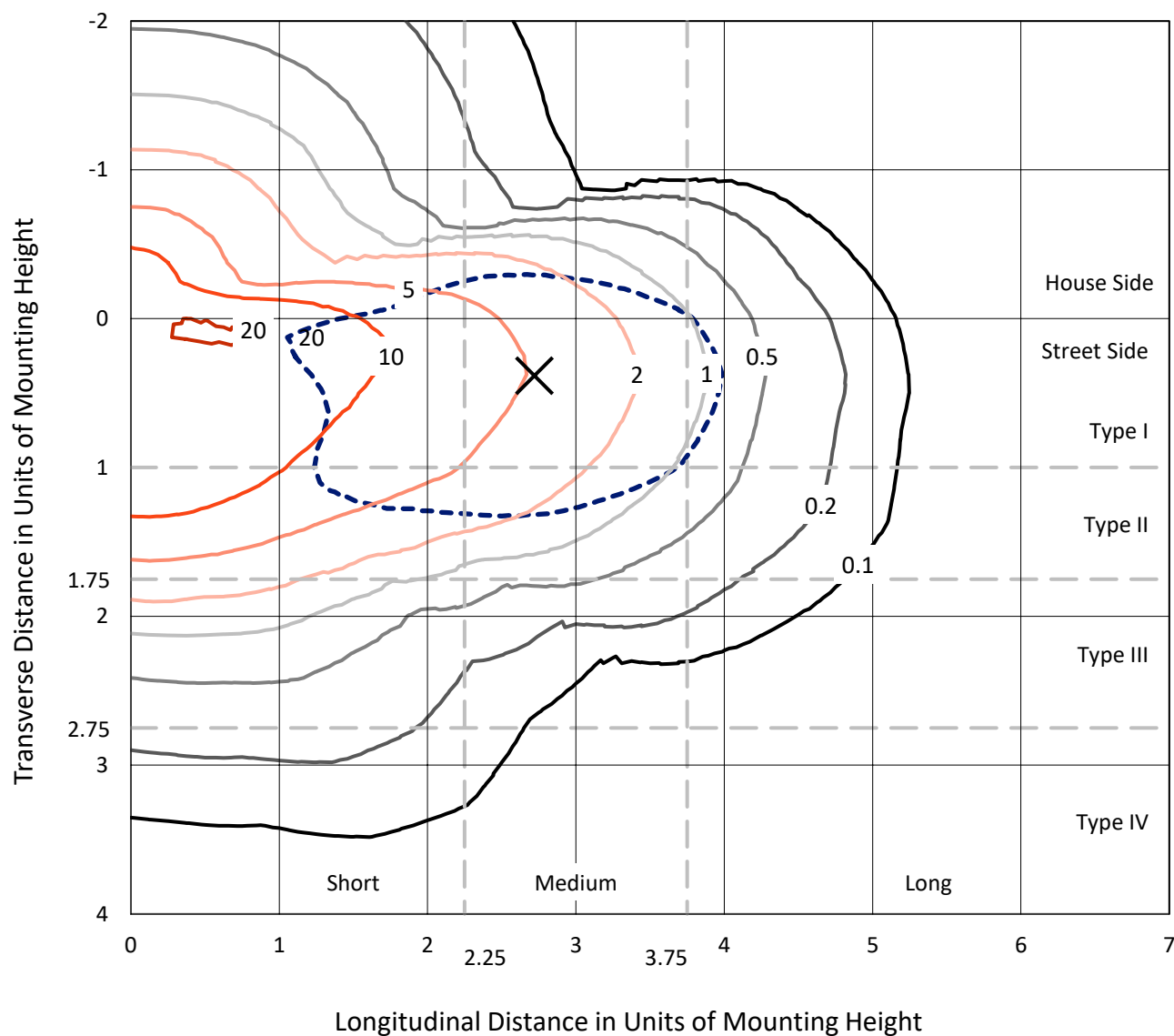
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

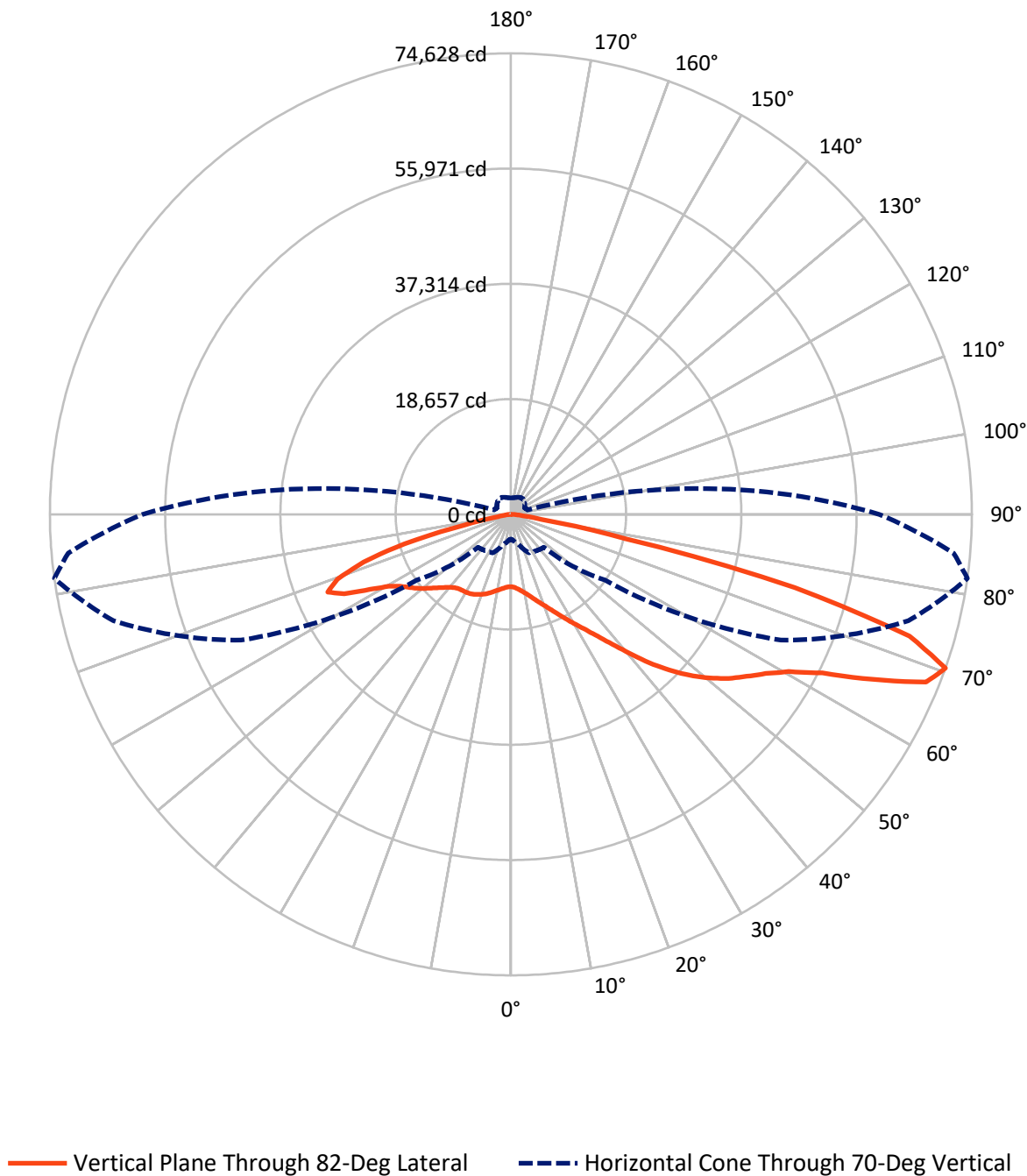


Based on 25 foot mounting height. Maximum calculated value = 21.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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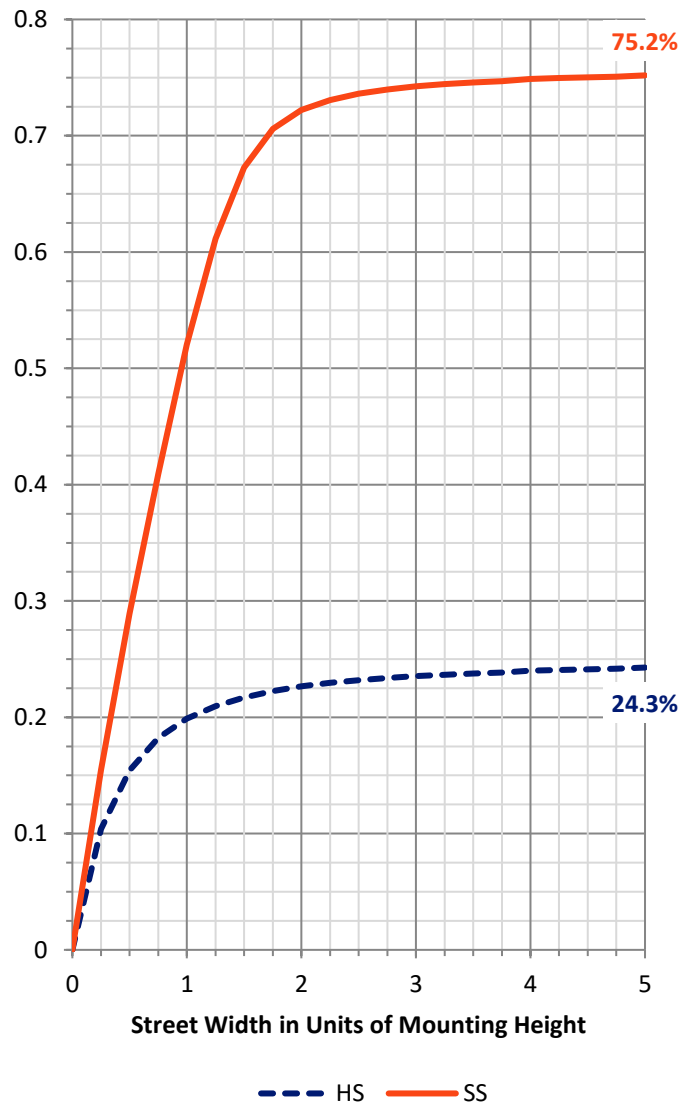
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19687.5	0.0	19687.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	60172.6	0.0	60172.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	79860.0	0.0	79860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1105.5	1.4
10°-20°	3176.1	4.0
20°-30°	5313.3	6.7
30°-40°	8300.8	10.4
40°-50°	13220.0	16.6
50°-60°	18397.3	23.0
60°-70°	19244.4	24.1
70°-80°	10058.1	12.6
80°-90°	1044.4	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°	79860.0	100.0
0°-180°	79860.0	100.0

Coefficient of Utilization



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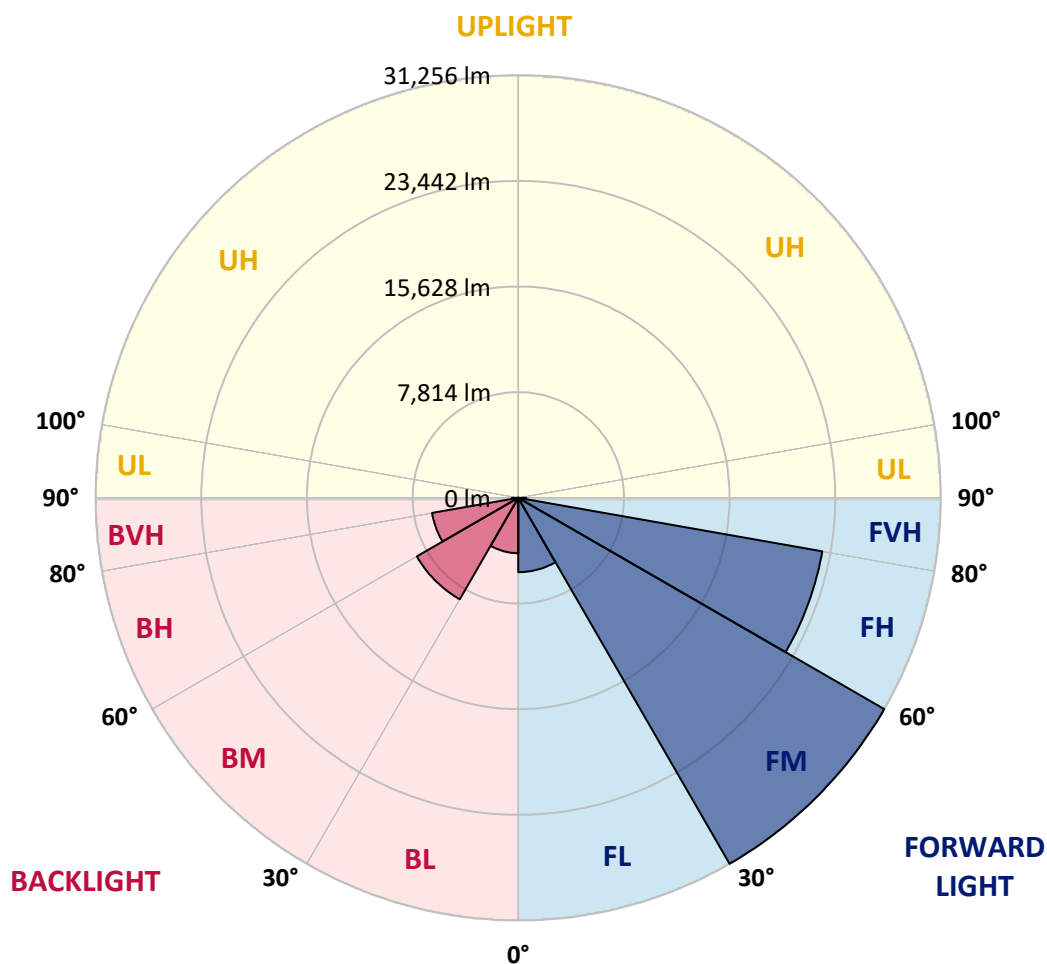
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5499.2	6.9			
FM	(30°-60°)	31256.4	39.1			
FH	(60°-80°)	22832.2	28.6			G5
FVH	(80°-90°)	584.7	0.7			G4/750
BL	(0°-30°)	4095.7	5.1	B4/5000		
BM	(30°-60°)	8661.7	10.8	B5		
BH	(60°-80°)	6470.3	8.1	B5		G5
BVH	(80°-90°)	459.8	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5
2.5°	11988.2	12056.0	12034.8	12013.6	12013.6	11983.9	11979.7	11937.3	11903.4	11848.3
5°	12140.7	12212.7	12204.3	12221.2	12276.3	12289.0	12301.7	12276.3	12208.5	12140.7
7.5°	12005.1	12085.6	12111.0	12212.7	12382.3	12534.8	12649.2	12695.8	12632.3	12534.8
10°	11547.4	11636.4	11725.4	11967.0	12267.8	12628.0	12933.1	13115.4	13102.6	13009.4
12.5°	10619.4	10712.6	10903.3	11373.7	11924.6	12560.2	13128.1	13509.5	13640.8	13573.0
15°	9877.8	9958.3	10102.4	10585.5	11301.7	12267.8	13200.1	13941.7	14276.5	14238.3
17.5°	9856.6	9890.5	9979.5	10208.4	10759.3	11810.2	13123.8	14365.4	15005.3	15001.1
20°	10229.6	10242.3	10293.1	10339.7	10653.3	11462.7	12928.9	14717.2	15823.2	15823.2
22.5°	10746.5	10738.1	10788.9	10746.5	10899.1	11433.0	12806.0	15026.5	16734.3	16802.1
25°	11522.0	11479.6	11466.9	11369.5	11399.1	11708.5	12941.6	15378.2	17814.8	17954.7
27.5°	12556.0	12488.2	12441.6	12217.0	12140.7	12276.3	13356.9	15802.0	19018.3	19259.9
30°	13903.5	13780.7	13712.9	13323.0	13047.6	13068.7	13984.1	16365.6	20276.9	20666.8
32.5°	15742.7	15552.0	15369.8	14729.9	14225.6	14060.3	14793.4	17145.3	21641.4	22264.3
35°	17802.1	17649.6	17454.7	16467.3	15691.8	15310.4	15886.7	18234.4	23239.0	24226.3
37.5°	19785.3	19654.0	19747.2	18416.6	17416.5	16861.4	17319.1	19696.3	25209.5	26667.2
40°	21836.3	21734.6	21747.3	20476.1	19310.7	18687.8	19056.5	21531.2	27468.1	29569.9
42.5°	24065.3	23989.0	23734.8	22607.6	21298.2	20717.6	21056.6	23650.0	29892.0	32875.3
45°	26561.2	26514.6	26277.3	24984.9	23484.8	22832.2	23289.8	25989.2	32328.6	35985.7
47.5°	28718.2	28756.3	28726.7	27637.6	26082.4	25124.7	25671.3	28430.0	34595.7	38909.6
50°	29756.4	29955.6	30248.0	29908.9	28942.8	27968.1	28074.1	30786.1	36756.9	41651.3
52.5°	29214.0	29591.1	30387.8	30930.2	31303.1	31099.7	30815.8	33125.3	38790.9	44126.1
55°	27192.6	27722.3	29044.5	30353.9	32256.6	33735.5	34108.4	35718.7	40774.1	46304.2
57.5°	23510.2	24370.4	25556.9	28205.4	31409.1	35011.0	37947.7	39316.4	42876.0	48630.6
60°	17196.2	18348.8	19823.5	23764.4	28442.7	34328.8	41214.8	44842.2	45863.5	51643.6
62.5°	11005.0	11716.9	13073.0	16785.1	22162.6	30832.7	42214.9	51749.5	50927.4	56584.6
65°	7534.4	7992.1	9233.7	11318.6	14327.3	22950.8	39536.8	56927.8	58970.4	64415.7
67.5°	5475.0	5822.5	6881.9	8708.3	9335.4	13581.5	30680.2	56690.5	66788.7	72484.1
70°	3991.8	4237.6	5127.5	6881.9	7182.7	7555.6	18586.1	48189.9	66619.2	74628.3
72.5°	2957.8	3127.3	3724.8	5339.4	5814.0	5102.1	9199.8	35023.7	57245.7	67500.6
75°	2140.0	2267.1	2707.8	4085.0	4652.9	3885.9	4589.3	20467.6	39930.9	47482.3
77.5°	1635.7	1733.2	2021.3	2991.7	3724.8	2915.5	2847.7	9415.9	18933.6	19026.8
80°	1313.7	1377.2	1534.0	2106.1	2856.1	2182.4	1856.1	3801.1	5983.5	5063.9
82.5°	966.2	1072.1	1296.7	1478.9	2042.5	1504.3	1131.4	1919.6	2275.6	1957.8
85°	550.9	622.9	784.0	1059.4	1305.2	919.6	648.4	851.8	1059.4	868.7
87.5°	194.9	254.3	275.4	415.3	567.8	381.4	250.0	245.8	347.5	258.5
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°
11708.5	0°	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5	11708.5
11835.6	2.5°	11793.2	11772.0	11687.3	11572.9	11454.2	11339.8	11301.7	11221.2	11166.1	11136.4
12111.0	5°	12030.5	11962.7	11763.6	11509.3	11242.3	10954.2	10750.8	10564.3	10428.7	10301.6
12488.2	7.5°	12369.5	12250.9	11907.6	11462.7	10988.1	10509.2	10153.3	9882.1	9699.9	9581.2
12928.9	10°	12763.6	12581.4	12056.0	11390.7	10657.6	9971.1	9551.5	9318.5	9204.1	9140.5
13433.2	12.5°	13217.1	12958.6	12208.5	11225.4	10153.3	9369.3	9081.2	9013.4	9017.6	9021.8
14068.8	15°	13776.4	13416.2	12331.4	10865.2	9496.5	8907.4	8856.6	8966.8	9081.2	9136.3
14789.2	17.5°	14407.8	13899.3	12352.6	10271.9	8852.3	8610.8	8771.8	9009.1	9182.9	9259.1
15594.3	20°	15085.8	14390.9	12200.0	9432.9	8322.6	8369.2	8657.4	8962.5	9153.2	9250.7
16513.9	22.5°	15861.3	14916.3	11835.6	8551.5	7890.4	8106.5	8445.5	8742.2	8941.3	9038.8
17594.5	25°	16747.0	15505.4	11263.5	7809.9	7517.5	7809.9	8148.9	8394.7	8555.7	8644.7
18802.2	27.5°	17730.1	16119.8	10500.8	7220.9	7191.2	7504.8	7784.5	7975.2	8059.9	8127.7
20086.2	30°	18717.5	16679.2	9577.0	6775.9	6907.3	7203.9	7403.1	7487.8	7513.3	7526.0
21518.5	32.5°	19785.3	17162.3	8606.6	6407.2	6636.1	6911.5	7030.2	7068.3	6949.7	6869.1
23255.9	35°	21077.8	17679.2	7657.3	6114.8	6369.1	6606.4	6644.5	6610.6	6470.8	6305.5
25434.0	37.5°	22675.4	18323.4	6898.8	5907.2	6119.1	6275.9	6229.3	6220.8	6233.5	6038.6
28052.9	40°	24633.1	19162.4	6343.7	5746.2	5915.7	5949.6	5818.2	5890.3	5953.8	5657.2
30926.0	42.5°	26807.0	20175.2	5992.0	5636.0	5746.2	5665.7	5462.3	5542.8	5534.3	5144.4
33811.8	45°	29023.3	21277.0	5869.1	5555.5	5589.4	5428.4	5203.8	5225.0	5047.0	4695.3
36578.9	47.5°	31226.8	22459.3	5945.3	5487.7	5394.5	5212.2	5038.5	4945.3	4682.5	4419.8
39231.7	50°	33388.0	23700.9	6225.0	5352.1	5127.5	5021.5	4894.4	4729.2	4449.5	4224.9
41740.3	52.5°	35392.4	24951.0	6538.6	5127.5	4792.7	4856.3	4775.8	4585.1	4309.6	4080.8
44113.4	55°	37290.8	26201.0	6661.5	4818.1	4479.1	4712.2	4665.6	4313.9	3983.3	3796.9
46596.6	57.5°	39358.8	27705.4	6525.9	4424.0	4224.9	4546.9	4369.0	3979.1	3788.4	3648.6
49829.9	60°	42223.4	30065.7	6233.5	3936.7	3983.3	4301.2	3996.1	3835.0	3627.4	3470.6
54677.7	62.5°	46982.2	34468.6	5763.1	3453.6	3699.4	3936.7	3818.1	3657.0	3445.2	3292.6
62966.4	65°	54016.6	40587.7	4877.5	3076.5	3381.6	3580.8	3627.4	3466.4	3246.0	3085.0
70229.7	67.5°	59949.3	44426.9	3690.9	2762.9	3055.3	3292.6	3424.0	3267.2	3034.1	2877.3
71928.9	70°	59623.0	41638.6	2818.0	2453.6	2767.1	3008.7	3178.2	3055.3	2805.3	2657.0
65335.2	72.5°	52957.2	34833.0	2279.8	2140.0	2474.8	2712.1	2915.5	2822.2	2568.0	2423.9
47863.6	75°	38905.4	24726.4	1822.2	1822.2	2110.3	2402.7	2627.3	2568.0	2334.9	2233.2
20094.7	77.5°	16399.5	10373.6	1428.1	1512.8	1754.4	2063.7	2343.4	2364.6	2161.2	2288.3
5313.9	80°	4360.5	2860.4	1089.1	1190.8	1377.2	1703.5	2038.3	2029.8	1809.5	1690.8
1974.7	82.5°	1661.1	1127.2	775.5	839.0	995.8	1305.2	1614.5	1665.4	1445.0	1250.1
775.5	85°	639.9	483.1	478.8	504.3	580.6	864.5	1220.4	1262.8	1089.1	923.8
216.1	87.5°	165.3	144.1	178.0	169.5	267.0	461.9	699.2	724.6	665.3	385.6
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°
11708.5
11170.3
10352.4
9606.6
9157.4
9030.3
9132.0
9276.1
9276.1
9064.2
8670.1
8153.1
7555.6
6894.6
6314.0
6051.3
5665.7
5140.2
4708.0
4419.8
4207.9
4085.0
3779.9
3635.9
3462.1
3292.6
3093.4
2881.6
2669.7
2423.9
2203.5
2076.4
1572.1
1250.1
953.5
550.9
0.0