

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: P851588

Luminaire Tested: **GLAN-SB9C-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58611 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

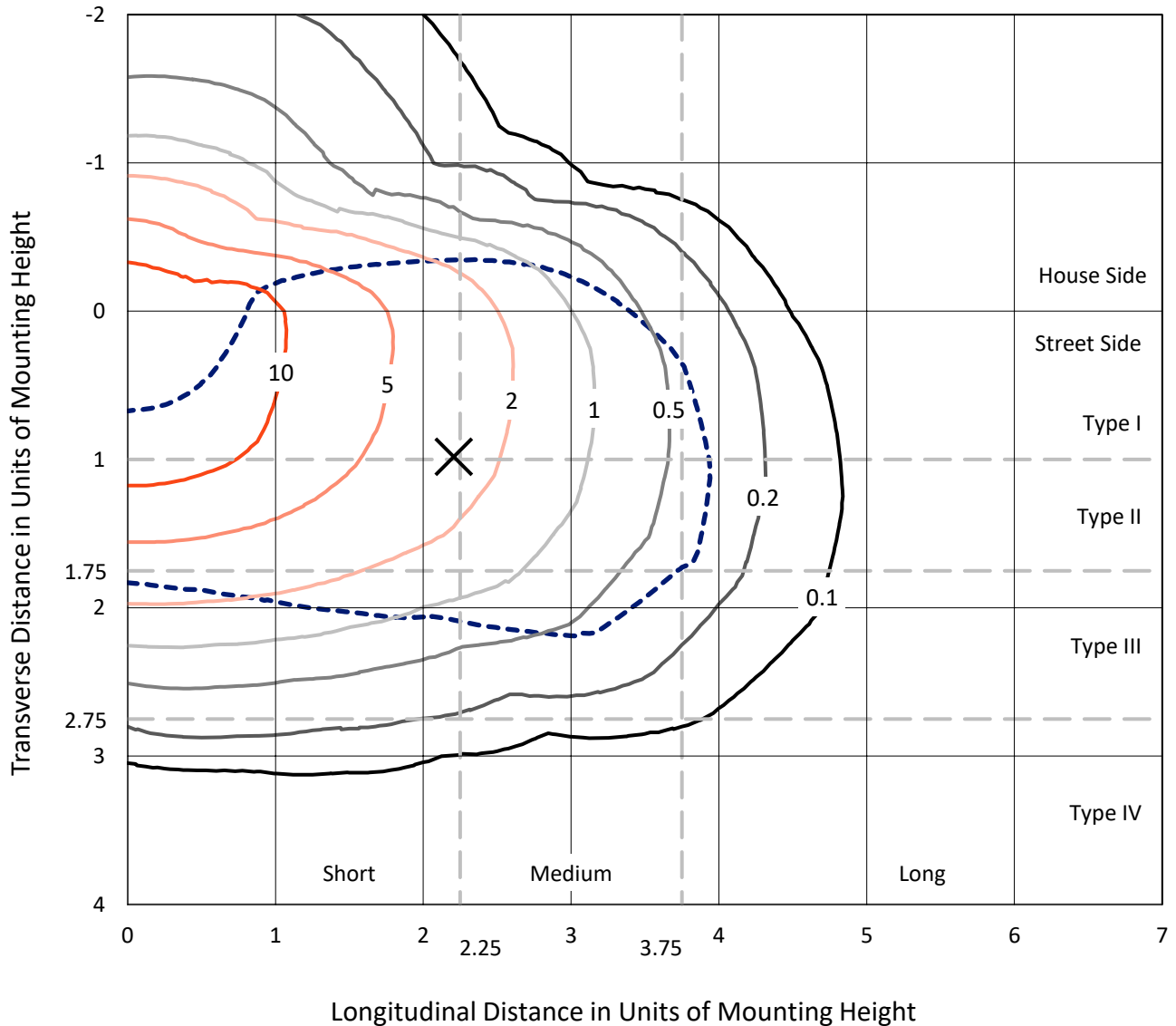
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

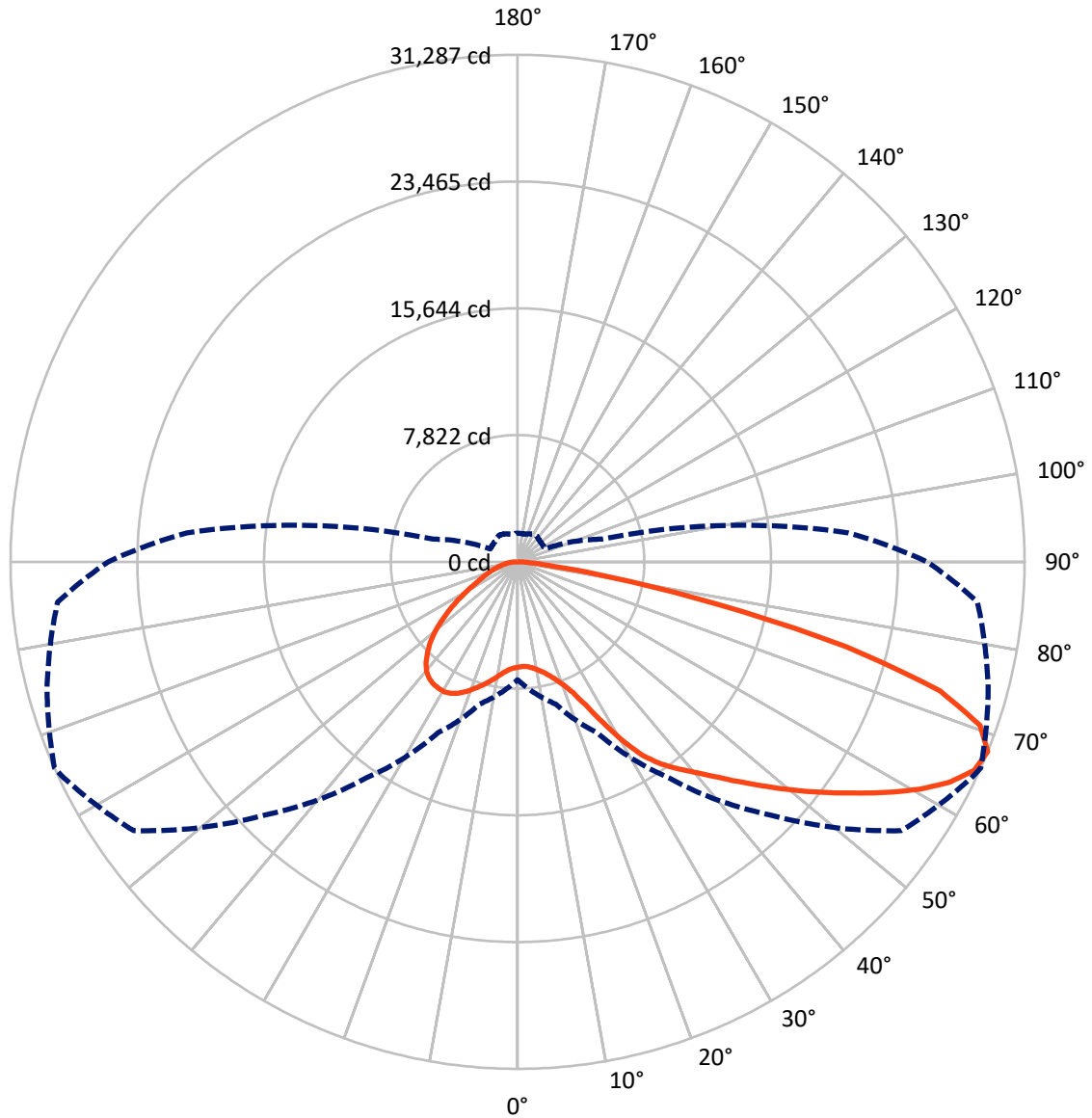
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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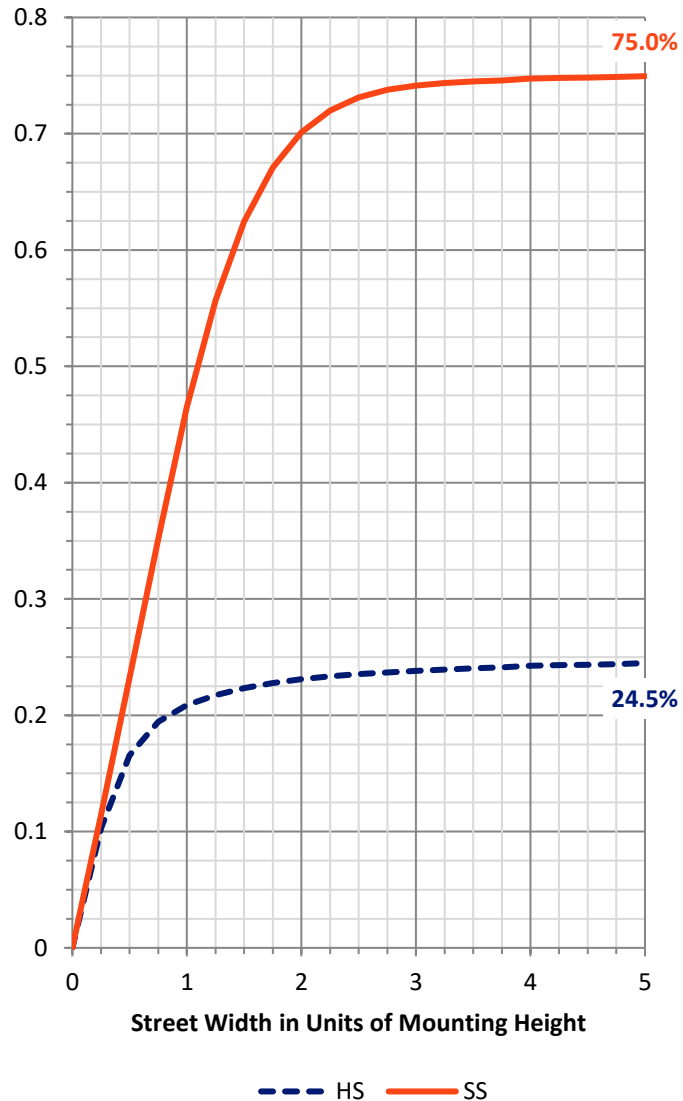
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14573.5	0.0	14573.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	44037.5	0.0	44037.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	58611.0	0.0	58611.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.5	1.1
10°-20°	2129.4	3.6
20°-30°	4104.3	7.0
30°-40°	7196.4	12.3
40°-50°	10698.7	18.3
50°-60°	13561.6	23.1
60°-70°	13269.7	22.6
70°-80°	6329.8	10.8
80°-90°	676.5	1.2
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°	58611.0	100.0
0°-180°	58611.0	100.0

Coefficient of Utilization

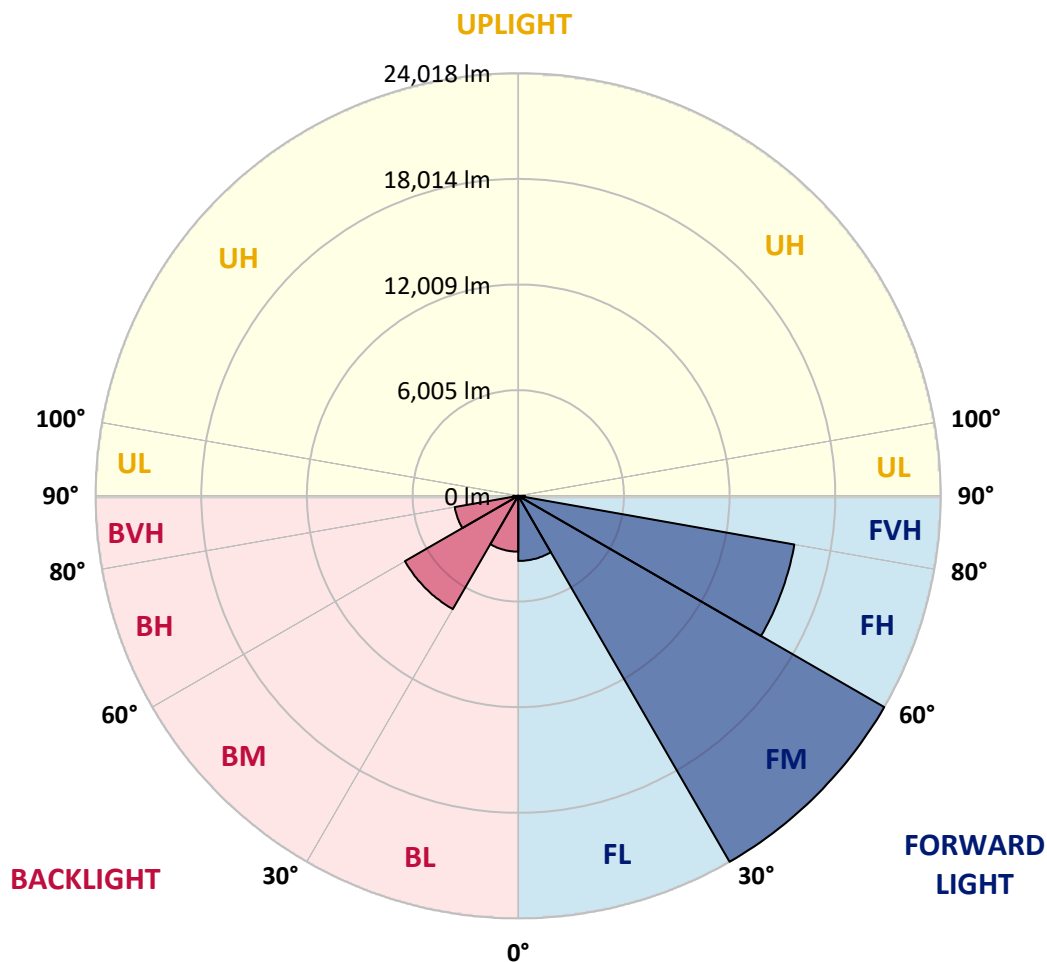


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3703.6	6.3			
FM (30°-60°)	24018.3	41.0			
FH (60°-80°)	15932.1	27.2			G5
FVH (80°-90°)	383.5	0.7			G3/500
BL (0°-30°)	3174.6	5.4	B4/5000		
BM (30°-60°)	7438.5	12.7	B4/8500		
BH (60°-80°)	3667.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	292.9	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7
2.5°	6433.0	6469.9	6460.7	6445.3	6442.2	6448.4	6457.6	6466.9	6463.8	6479.2
5°	6414.5	6451.5	6448.4	6448.4	6460.7	6485.3	6500.7	6516.1	6500.7	6519.2
7.5°	6426.8	6454.5	6466.9	6479.2	6510.0	6556.2	6593.1	6627.0	6608.5	6630.1
10°	6583.9	6605.4	6617.8	6617.8	6639.3	6691.7	6728.6	6790.2	6774.8	6808.7
12.5°	6870.3	6891.8	6891.8	6879.5	6894.9	6928.8	6941.1	7008.8	6981.1	7036.6
15°	7221.3	7264.4	7230.6	7209.0	7215.2	7249.0	7246.0	7298.3	7270.6	7316.8
17.5°	7609.3	7664.8	7609.3	7606.3	7593.9	7630.9	7634.0	7680.2	7630.9	7664.8
20°	8068.2	8145.2	8099.0	8114.4	8086.7	8102.1	8117.4	8185.2	8108.2	8132.8
22.5°	8714.9	8807.2	8758.0	8816.5	8798.0	8785.7	8782.6	8902.7	8782.6	8791.9
25°	9657.2	9768.0	9681.8	9761.9	9761.9	9801.9	9848.1	10002.1	9801.9	9743.4
27.5°	11049.1	11160.0	10990.6	11039.9	11024.5	11123.0	11073.7	11455.6	11240.0	11144.6
30°	12724.3	12921.4	12601.1	12588.8	12573.4	12730.5	12801.3	13053.8	12835.2	12739.7
32.5°	14535.0	14741.4	14359.5	14248.6	14190.1	14285.6	14227.1	14430.3	14279.4	14131.6
35°	16450.5	16653.7	16290.3	16074.8	15840.7	15640.6	15431.2	15483.5	15341.9	15117.1
37.5°	18261.2	18633.8	18248.9	18017.9	17586.8	17195.7	16610.6	16367.3	16234.9	16028.6
40°	20105.8	20318.3	20025.7	19828.6	19360.5	18747.7	17811.6	17297.3	17118.7	16918.5
42.5°	21463.8	21667.1	21510.0	21374.5	21008.1	20296.7	19086.5	18442.9	18184.2	17959.4
45°	22541.6	22692.5	22594.0	22643.2	22486.2	21796.4	20407.6	19671.6	19403.7	19129.6
47.5°	22975.8	23136.0	23293.0	23585.6	23853.5	23345.4	21827.2	21001.9	20718.6	20438.4
50°	22926.6	23089.8	23545.5	24167.6	24999.0	24829.7	23323.8	22418.4	22156.7	21836.4
52.5°	22532.4	22717.2	23302.3	24337.0	25661.1	25941.3	24848.1	23881.2	23634.8	23253.0
55°	21497.7	21608.6	22486.2	23952.0	25818.2	26717.4	26341.7	25439.4	25193.0	24660.3
57.5°	19579.2	19739.3	21017.3	22914.2	25424.0	27244.0	27653.5	27077.7	26840.6	26073.8
60°	17075.6	17331.2	18793.9	21171.3	24420.1	27240.9	28845.3	28688.2	28491.1	27465.7
62.5°	14242.5	14538.1	15945.4	18707.7	22664.8	26467.9	29590.5	30037.0	29935.4	28749.8
65°	10938.2	11141.5	12542.6	15520.5	19933.3	24808.1	29676.7	30957.8	30976.3	29726.0
67.5°	7282.9	7868.0	9084.4	11646.5	16274.9	22095.1	28919.2	31108.7	31287.3	30061.7
70°	3553.7	4323.6	5515.3	7569.3	11646.5	17934.8	26939.1	29870.7	30268.0	29082.4
72.5°	1475.1	1724.5	2374.3	3735.4	6685.5	12102.3	22960.4	26514.1	27250.1	25768.9
75°	994.7	1077.8	1358.0	1915.4	3045.6	5968.0	16558.2	19770.1	20955.7	19462.2
77.5°	766.8	819.1	988.5	1339.6	1810.7	2257.2	8862.7	11914.4	12527.2	11597.2
80°	603.6	643.6	739.1	976.2	1284.1	1207.1	3020.9	5398.3	5752.4	4825.5
82.5°	523.5	538.9	529.7	662.1	853.0	705.2	991.6	1992.4	2198.7	1595.2
85°	378.8	421.9	440.4	409.6	452.7	357.2	406.5	705.2	776.0	692.9
87.5°	154.0	227.9	280.2	264.8	166.3	101.6	126.3	206.3	237.1	258.7
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°
6500.7	0°	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7	6500.7
6503.8	2.5°	6506.9	6528.4	6543.8	6562.3	6574.6	6593.1	6630.1	6651.6	6654.7	6670.1
6553.1	5°	6565.4	6596.2	6630.1	6679.3	6734.8	6781.0	6851.8	6901.1	6919.5	6934.9
6673.2	7.5°	6691.7	6734.8	6796.4	6882.6	6962.7	7024.2	7110.5	7169.0	7227.5	7249.0
6864.1	10°	6879.5	6941.1	7030.4	7147.4	7233.6	7313.7	7403.0	7452.3	7510.8	7535.4
7092.0	12.5°	7113.5	7178.2	7295.2	7458.4	7538.5	7593.9	7624.7	7612.4	7624.7	7646.3
7366.1	15°	7381.5	7452.3	7584.7	7760.2	7815.7	7766.4	7698.6	7637.1	7627.8	7634.0
7698.6	17.5°	7698.6	7751.0	7905.0	8052.8	8012.7	7809.5	7661.7	7563.1	7513.9	7498.5
8123.6	20°	8142.1	8142.1	8268.3	8360.7	8092.8	7747.9	7517.0	7356.8	7255.2	7212.1
8702.5	22.5°	8681.0	8631.7	8711.8	8647.1	8077.4	7575.5	7255.2	6978.1	6824.1	6762.5
9512.4	25°	9364.6	9306.1	9284.6	8884.2	7966.6	7301.4	6781.0	6445.3	6309.8	6275.9
10679.6	27.5°	10396.2	10248.4	9968.2	9013.6	7763.3	6870.3	6226.7	5915.6	5838.7	5841.7
12179.3	30°	11769.7	11474.1	10787.3	9035.1	7430.7	6260.5	5660.0	5438.3	5401.4	5416.8
13438.8	32.5°	13041.5	12761.3	11625.0	8936.6	6919.5	5663.1	5151.9	5004.1	4948.7	4967.2
14399.5	35°	14039.2	13962.3	12401.0	8798.0	6291.3	5102.7	4696.2	4569.9	4462.1	4437.5
15304.9	37.5°	14981.6	14950.8	12983.0	8604.0	5669.3	4705.4	4329.7	4163.4	4006.4	3920.1
16305.7	40°	16016.3	15985.5	13364.8	8305.3	5118.1	4360.5	4000.2	3781.6	3587.6	3430.5
17439.0	42.5°	17180.3	16998.6	13546.5	7877.3	4650.0	4068.0	3732.3	3436.7	3181.1	3036.3
18720.0	45°	18452.1	18042.5	13543.5	7332.2	4255.8	3800.1	3445.9	3027.1	2790.0	2654.5
20034.9	47.5°	19800.9	19040.3	13377.2	6728.6	3874.0	3504.4	3002.5	2682.2	2525.2	2442.0
21463.8	50°	21192.8	19973.4	13093.9	6035.7	3482.9	3168.8	2725.3	2506.7	2386.6	2309.6
22880.4	52.5°	22501.6	20820.2	12752.0	5250.5	3085.6	2842.3	2602.1	2432.8	2306.5	2220.3
24253.8	55°	23718.0	21550.0	12268.6	4446.7	2762.3	2623.7	2543.6	2402.0	2257.2	2155.6
25648.8	57.5°	24798.9	22024.3	11434.0	3692.3	2531.3	2472.8	2482.0	2349.6	2183.3	2097.1
27022.2	60°	25698.1	22372.3	10199.2	2993.2	2343.5	2325.0	2386.6	2251.1	2057.1	1958.5
28183.2	62.5°	26237.0	22366.1	8684.1	2451.2	2183.3	2189.5	2260.3	2127.9	1930.8	1838.4
28789.8	65°	26190.8	21818.0	7021.2	2097.1	2029.4	2035.5	2127.9	1992.4	1826.1	1770.7
28485.0	67.5°	25263.9	20481.5	5386.0	1866.2	1860.0	1887.7	1995.5	1900.0	1761.4	1755.3
26668.1	70°	22754.1	17706.9	3880.1	1681.4	1684.5	1724.5	1866.2	1841.5	1727.6	1739.9
22421.5	72.5°	18245.8	13500.3	2605.2	1487.4	1490.5	1555.1	1743.0	1795.3	1693.7	1856.9
15908.5	75°	12151.5	8419.2	1675.2	1281.1	1284.1	1367.3	1635.2	1706.0	1601.3	1850.8
8277.6	77.5°	5838.7	3784.7	1213.3	1077.8	1077.8	1154.8	1413.5	1527.4	1364.2	1438.1
2660.7	80°	2017.0	1422.7	954.6	868.4	849.9	902.3	1191.7	1324.2	1176.4	1084.0
868.4	82.5°	794.5	739.1	766.8	674.4	612.8	646.7	926.9	1093.2	865.3	782.2
489.6	85°	455.8	480.4	542.0	446.5	354.1	397.2	680.6	785.3	652.8	575.9
160.1	87.5°	123.2	169.4	249.4	231.0	160.1	169.4	323.3	434.2	375.7	289.5
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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<u>180°</u>
6500.7
6667.0
6931.9
7252.1
7547.7
7652.5
7655.5
7520.0
7202.9
6753.2
6282.1
5851.0
5469.1
4991.8
4456.0
3923.2
3445.9
3045.6
2648.3
2423.5
2281.9
2183.3
2115.6
2041.7
1915.4
1810.7
1767.6
1764.5
1736.8
1881.5
1866.2
1318.0
1016.2
779.1
588.2
298.7
0.0

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