

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: P851555

Luminaire Tested: **GLAN-SB9C-830-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-830-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42770 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

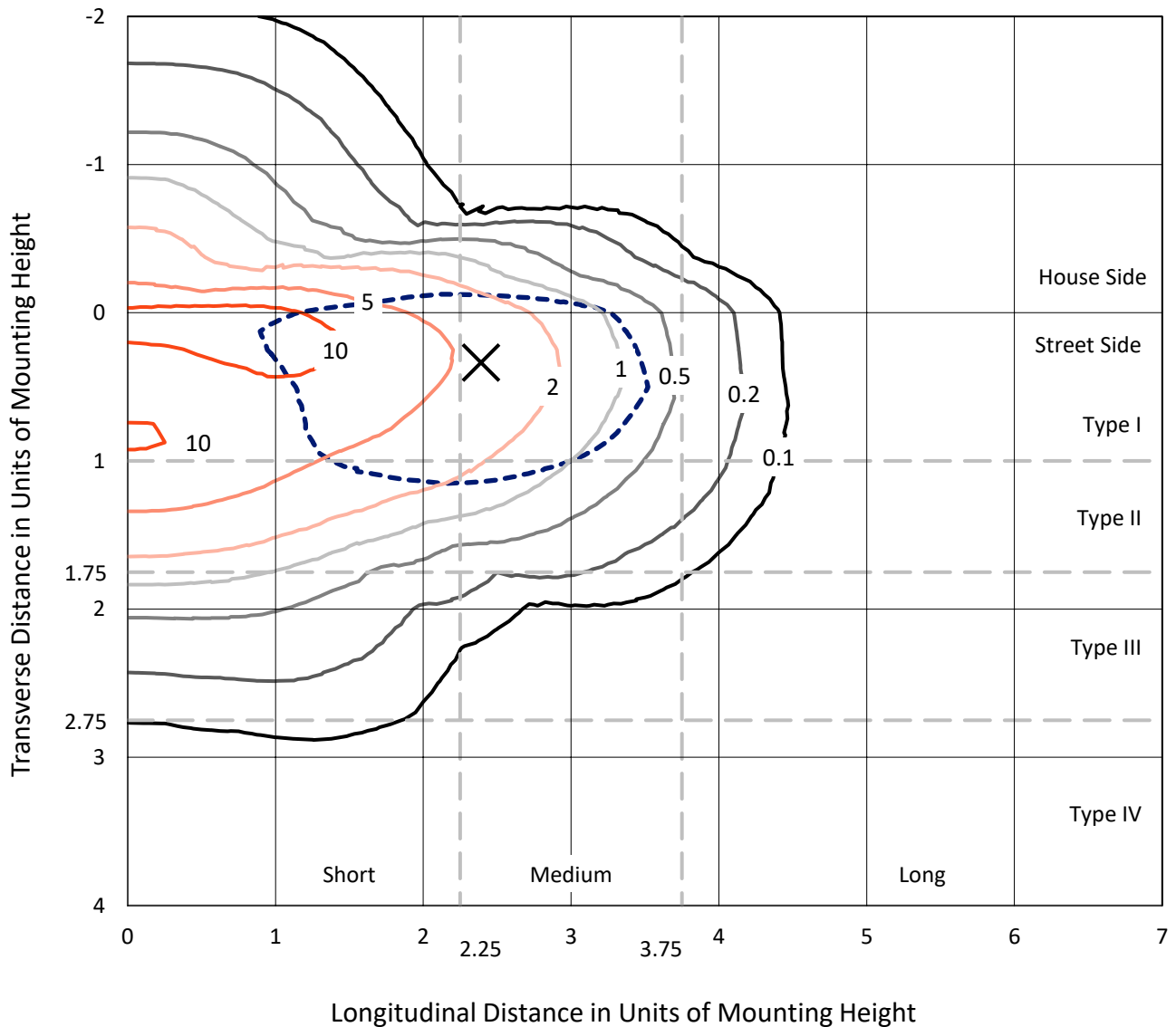
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

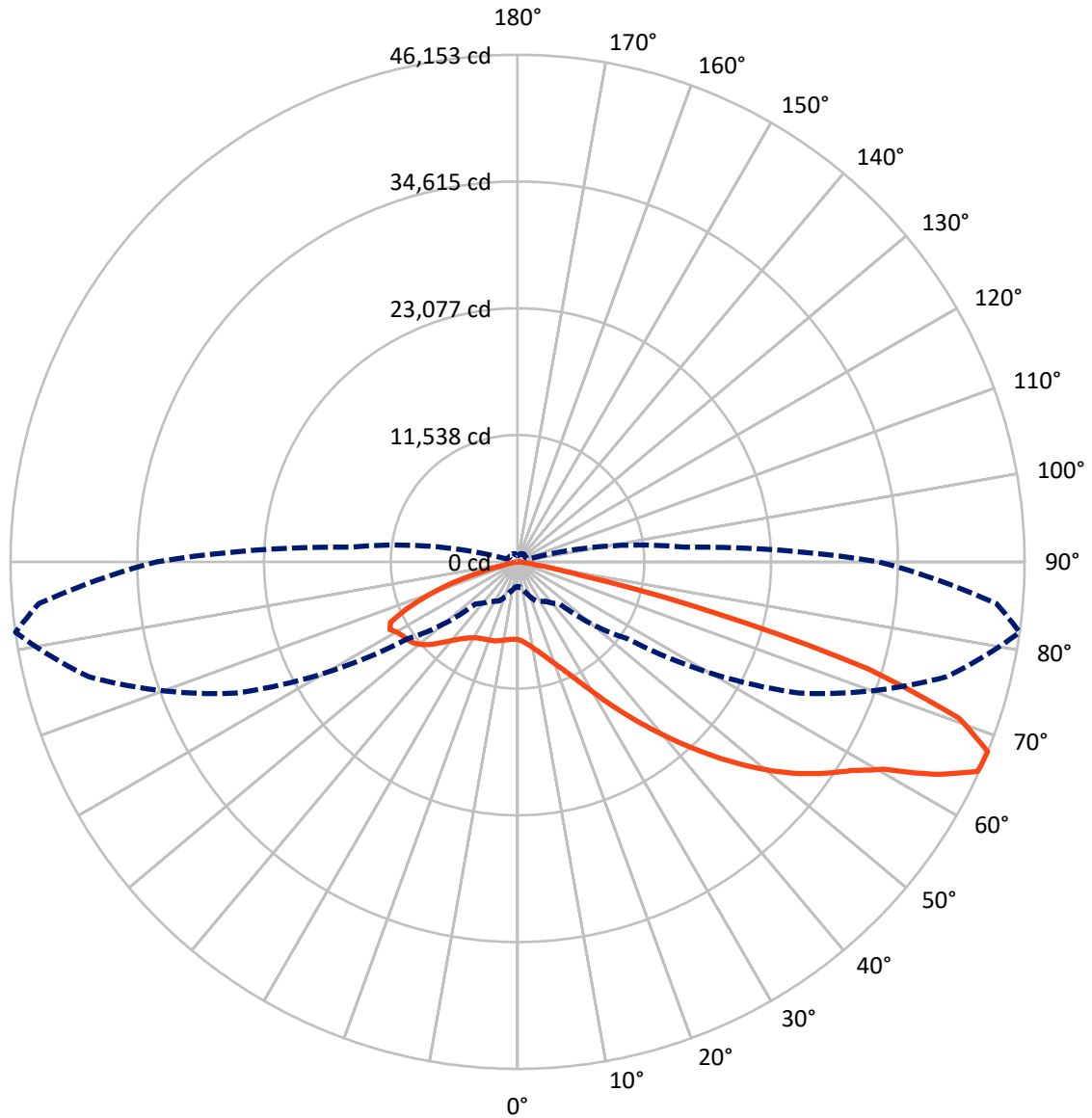
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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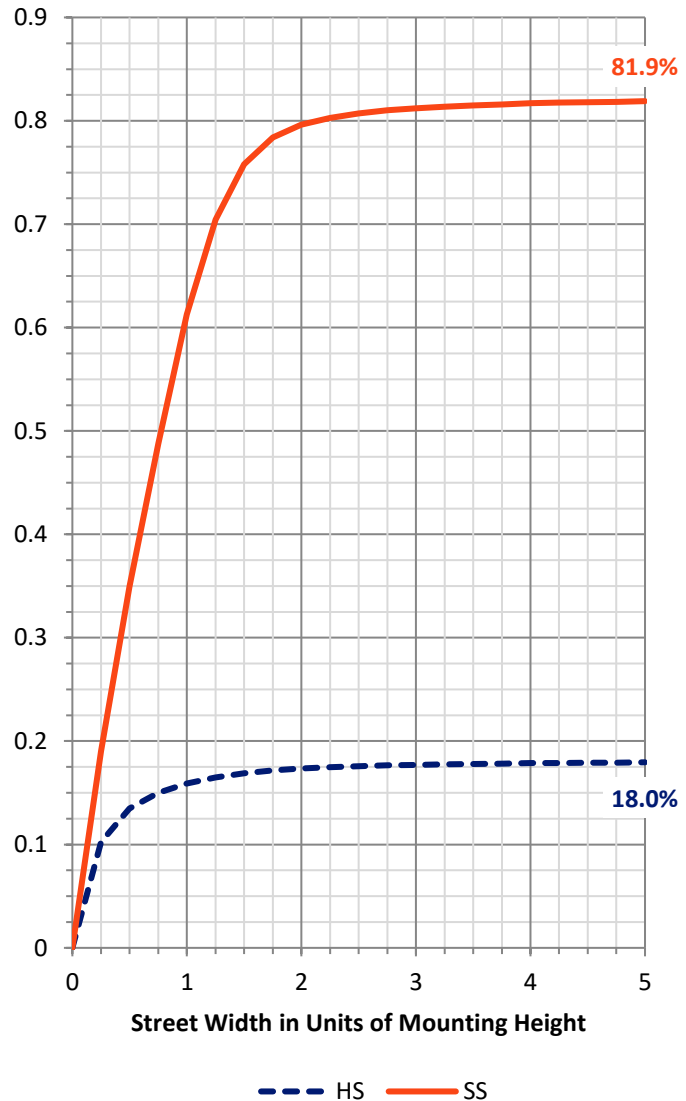
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7747.4	0.0	7747.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	35022.6	0.0	35022.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	42770.0	0.0	42770.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	631.3	1.5
10°-20°	1640.4	3.8
20°-30°	2627.4	6.1
30°-40°	4646.1	10.9
40°-50°	8140.4	19.0
50°-60°	10857.0	25.4
60°-70°	10107.3	23.6
70°-80°	3879.2	9.1
80°-90°	240.9	0.6
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°	42770.0	100.0
0°-180°	42770.0	100.0

**Coefficient of Utilization**

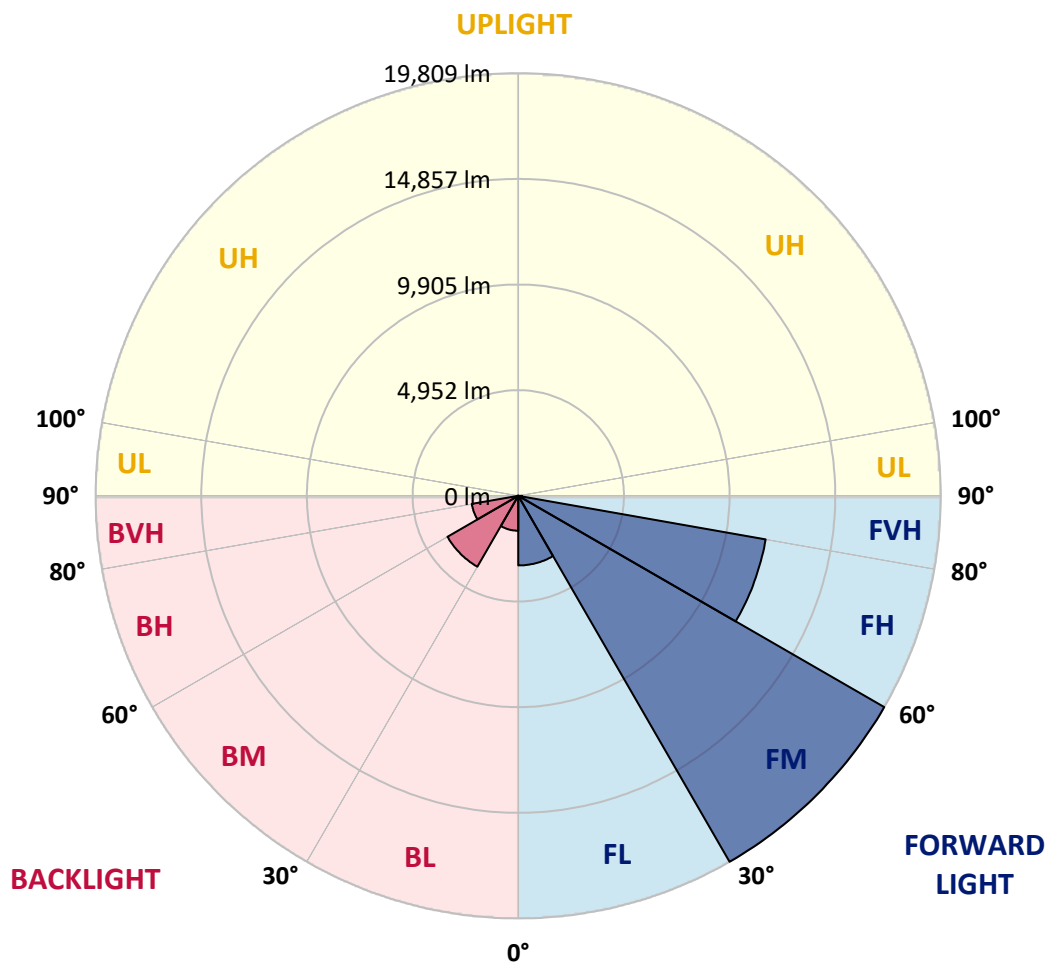


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3262.9	7.6			
FM (30°-60°)	19809.3	46.3			
FH (60°-80°)	11775.2	27.5			G4/12000
FVH (80°-90°)	175.2	0.4			G2/225
BL (0°-30°)	1636.2	3.8	B3/2500		
BM (30°-60°)	3834.2	9.0	B3/5000		
BH (60°-80°)	2211.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	65.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5
2.5°	7488.9	7532.0	7507.4	7495.1	7473.5	7442.7	7418.1	7341.1	7261.1	7208.7
5°	7639.8	7682.9	7679.9	7692.2	7707.6	7716.8	7710.6	7624.4	7510.5	7421.2
7.5°	7510.5	7559.8	7599.8	7661.4	7769.2	7883.1	7938.5	7920.0	7803.0	7679.9
10°	7144.0	7196.4	7291.9	7436.6	7664.5	7910.8	8117.1	8212.6	8138.7	8003.2
12.5°	6472.8	6525.1	6712.9	7027.0	7408.9	7836.9	8231.1	8486.6	8505.1	8369.6
15°	5718.3	5770.7	5970.8	6365.0	6947.0	7633.7	8292.6	8776.1	8939.3	8822.3
17.5°	5250.3	5296.5	5447.3	5764.5	6371.1	7227.2	8271.1	9084.0	9456.6	9364.2
20°	5108.6	5148.6	5219.5	5441.2	5946.2	6805.3	8129.4	9373.5	10014.0	9961.6
22.5°	5259.5	5296.5	5318.0	5416.5	5733.7	6528.2	7950.8	9669.1	10660.6	10666.8
25°	5607.5	5644.4	5619.8	5681.4	5819.9	6442.0	7883.1	10017.1	11473.6	11541.3
27.5°	6180.2	6183.3	6124.8	6121.7	6143.3	6571.3	7953.9	10389.7	12499.0	12625.3
30°	7328.8	7282.6	7057.8	6814.6	6703.7	6959.3	8151.0	10830.0	13709.2	13934.0
32.5°	9099.4	9031.7	8619.0	8037.1	7452.0	7584.4	8505.1	11331.9	15027.1	15433.6
35°	11020.9	11002.5	10571.3	9706.1	8683.7	8474.3	9080.9	11990.9	16465.2	17111.8
37.5°	12806.9	12797.7	12551.4	11532.1	10288.0	9715.3	10004.7	12853.1	18004.9	18941.0
40°	14439.0	14466.7	14220.4	13308.9	12055.6	11307.3	11261.1	13918.6	19717.0	20933.3
42.5°	15849.3	15880.1	15630.7	14956.3	13801.6	13068.7	12803.9	15224.2	21389.0	23073.4
45°	16807.0	16997.9	16961.0	16422.1	15593.7	14833.1	14657.6	16862.4	23295.1	25342.9
47.5°	17078.0	17253.5	17530.6	17604.5	17099.5	16351.2	16560.6	18836.3	25222.8	27615.4
50°	16409.8	16573.0	17148.8	17915.6	18266.6	18035.6	18411.3	20951.8	27196.7	29881.8
52.5°	15091.8	15258.1	15984.8	17198.1	18630.0	19356.7	20268.2	23036.5	29108.9	32028.1
55°	13185.7	13361.2	14294.3	15667.6	17937.1	19901.7	21817.1	25118.1	30861.1	33958.9
57.5°	10592.9	10722.2	11692.2	13613.7	16194.2	19359.8	22959.5	27390.7	32511.6	35855.7
60°	6903.9	7017.8	8144.8	10288.0	13305.8	17549.1	23187.4	29924.9	34704.1	38322.3
62.5°	4591.3	4668.3	5336.5	6910.0	9370.4	14072.5	21854.0	31948.1	37918.9	42614.9
65°	3150.2	3227.1	3895.4	4991.6	6054.0	9308.8	18020.2	31680.2	40831.9	46023.7
67.5°	2247.9	2312.6	2879.2	3913.8	4381.9	5407.3	12215.7	28255.9	40413.1	46153.0
70°	1610.5	1647.4	2115.5	3048.5	3482.7	3248.7	6793.0	21610.7	35384.6	42617.9
72.5°	1127.0	1139.4	1468.8	2321.8	2805.3	2371.1	3233.3	14408.2	26762.5	33450.8
75°	763.7	779.1	988.5	1702.9	2251.0	1810.6	1712.1	7726.0	15710.7	18516.0
77.5°	468.1	474.2	637.4	1164.0	1684.4	1379.5	1102.4	3273.3	6078.6	5967.7
80°	264.8	264.8	406.5	723.6	1148.6	889.9	772.9	1391.9	1924.6	1690.6
82.5°	147.8	150.9	295.6	449.6	760.6	526.6	424.9	643.6	831.4	736.0
85°	61.6	67.7	181.7	212.5	363.4	261.7	172.4	271.0	307.9	274.1
87.5°	6.2	9.2	55.4	40.0	43.1	52.3	24.6	52.3	43.1	43.1
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°
7085.5	0°	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5	7085.5
7190.2	2.5°	7131.7	7085.5	6968.5	6833.0	6654.4	6568.2	6451.2	6371.1	6303.4	6309.6
7368.8	5°	7270.3	7153.3	6891.5	6565.1	6158.7	5869.2	5561.3	5348.8	5176.4	5139.4
7615.2	7.5°	7461.2	7276.5	6817.6	6229.5	5542.8	5022.4	4557.4	4258.7	4046.2	3978.5
7913.9	10°	7707.6	7439.7	6722.2	5807.6	4819.2	4157.1	3658.2	3424.2	3279.5	3230.2
8264.9	12.5°	7993.9	7627.5	6595.9	5293.4	4074.0	3436.5	3119.4	3002.3	2956.2	2940.8
8696.0	15°	8354.2	7861.5	6405.0	4683.7	3442.7	2996.2	2860.7	2845.3	2851.5	2845.3
9213.4	17.5°	8782.3	8117.1	6094.0	4055.5	3017.7	2771.4	2722.1	2734.4	2749.8	2746.8
9792.3	20°	9250.3	8369.6	5696.8	3498.1	2728.3	2611.3	2583.6	2595.9	2608.2	2602.0
10460.5	22.5°	9783.0	8640.6	5256.4	3063.9	2534.3	2463.5	2432.7	2435.8	2435.8	2423.4
11307.3	25°	10420.5	8939.3	4794.5	2756.0	2386.5	2331.1	2294.1	2281.8	2263.3	2226.4
12335.8	27.5°	11181.1	9256.5	4351.1	2540.4	2269.5	2217.1	2174.0	2143.2	2097.0	2035.4
13570.6	30°	12037.1	9641.4	3975.4	2405.0	2177.1	2124.7	2075.5	2029.3	1961.5	1884.6
14990.2	32.5°	13044.0	10054.0	3701.4	2315.7	2093.9	2038.5	1980.0	1924.6	1850.7	1773.7
16585.3	35°	14245.0	10552.9	3541.2	2254.1	2029.3	1955.4	1890.7	1829.1	1773.7	1705.9
18318.9	37.5°	15547.5	11082.5	3492.0	2223.3	1986.2	1872.2	1798.3	1755.2	1749.1	1709.0
20194.3	40°	16973.3	11710.7	3528.9	2204.8	1940.0	1792.2	1712.1	1702.9	1718.3	1647.4
22198.9	42.5°	18482.1	12455.9	3590.5	2183.2	1875.3	1712.1	1635.1	1635.1	1622.8	1524.3
24317.5	45°	20114.2	13315.0	3652.1	2130.9	1798.3	1632.0	1573.5	1552.0	1499.6	1404.2
26448.4	47.5°	21758.6	14189.6	3698.3	2035.4	1705.9	1564.3	1512.0	1462.7	1385.7	1299.5
28539.2	50°	23319.8	14974.8	3649.0	1893.8	1601.3	1499.6	1444.2	1376.5	1293.3	1234.8
30519.3	52.5°	24714.7	15655.3	3439.6	1727.5	1490.4	1431.9	1382.6	1311.8	1244.0	1182.5
32305.3	55°	25928.0	16206.5	3070.1	1570.5	1391.9	1373.4	1324.1	1234.8	1142.4	1090.1
34075.9	57.5°	27092.0	16625.3	2608.2	1441.1	1302.6	1308.7	1234.8	1154.7	1068.5	1013.1
36462.4	60°	28640.9	17185.7	2140.1	1321.0	1207.1	1225.6	1145.5	1087.0	979.2	908.4
40554.8	62.5°	31116.6	18057.2	1699.8	1173.2	1096.2	1102.4	1068.5	997.7	868.4	785.2
43587.9	65°	33081.3	17736.9	1339.5	1013.1	970.0	979.2	979.2	902.2	763.7	668.2
43751.1	67.5°	32859.5	15187.3	1068.5	856.1	849.9	856.1	877.6	812.9	677.5	600.5
40419.3	70°	30269.8	12080.2	856.1	711.3	739.0	723.6	785.2	742.1	609.7	532.7
31335.3	72.5°	24699.3	8702.2	652.8	588.2	566.6	591.2	708.2	668.2	508.1	421.9
16597.6	75°	14432.8	4643.6	486.5	465.0	409.6	492.7	628.2	569.7	388.0	311.0
5087.1	77.5°	4699.1	1619.7	357.2	341.8	304.9	397.2	535.8	480.4	317.2	246.3
1490.4	80°	1259.4	489.6	243.3	224.8	197.1	295.6	424.9	381.8	227.9	160.1
640.5	82.5°	505.0	206.3	141.6	126.3	107.8	203.2	335.6	307.9	169.4	101.6
200.2	85°	163.2	67.7	52.3	40.0	49.3	126.3	200.2	209.4	120.1	52.3
30.8	87.5°	21.6	9.2	9.2	12.3	9.2	21.6	61.6	58.5	33.9	6.2
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°
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7085.5
6248.0
5056.3
3910.8
3193.3
2931.5
2842.2
2740.6
2599.0
2417.3
2220.2
2029.3
1878.4
1776.8
1699.8
1705.9
1650.5
1524.3
1401.1
1296.4
1225.6
1176.3
1083.9
1006.9
899.2
779.1
659.0
588.2
523.5
412.6
301.8
237.1
157.0
101.6
40.0
0.0
0.0

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