

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: P853238

Luminaire Tested: **GLAN-SB9D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54877 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

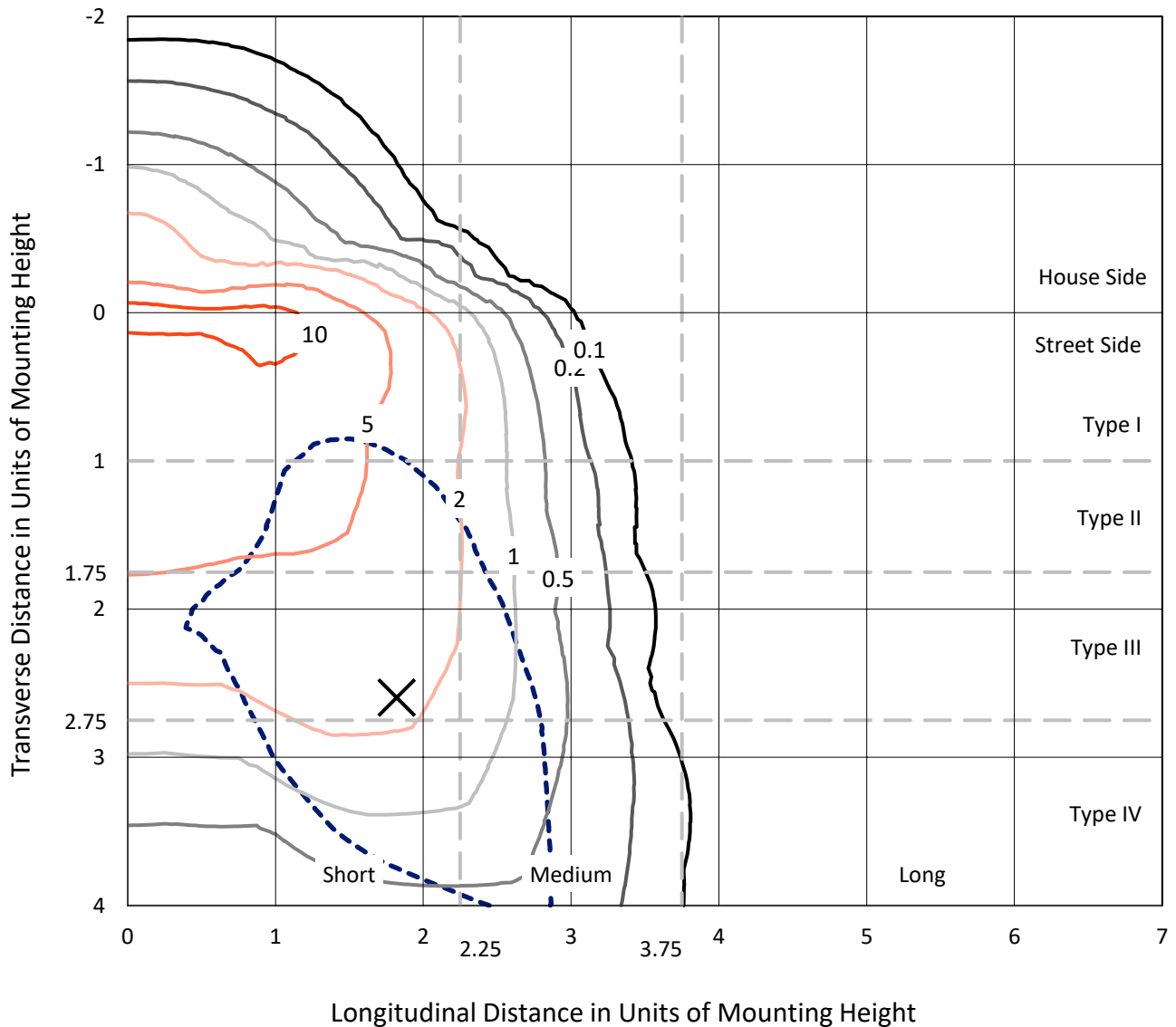
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853238
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Iso-Footcandle Lines of Horizontal Illumination

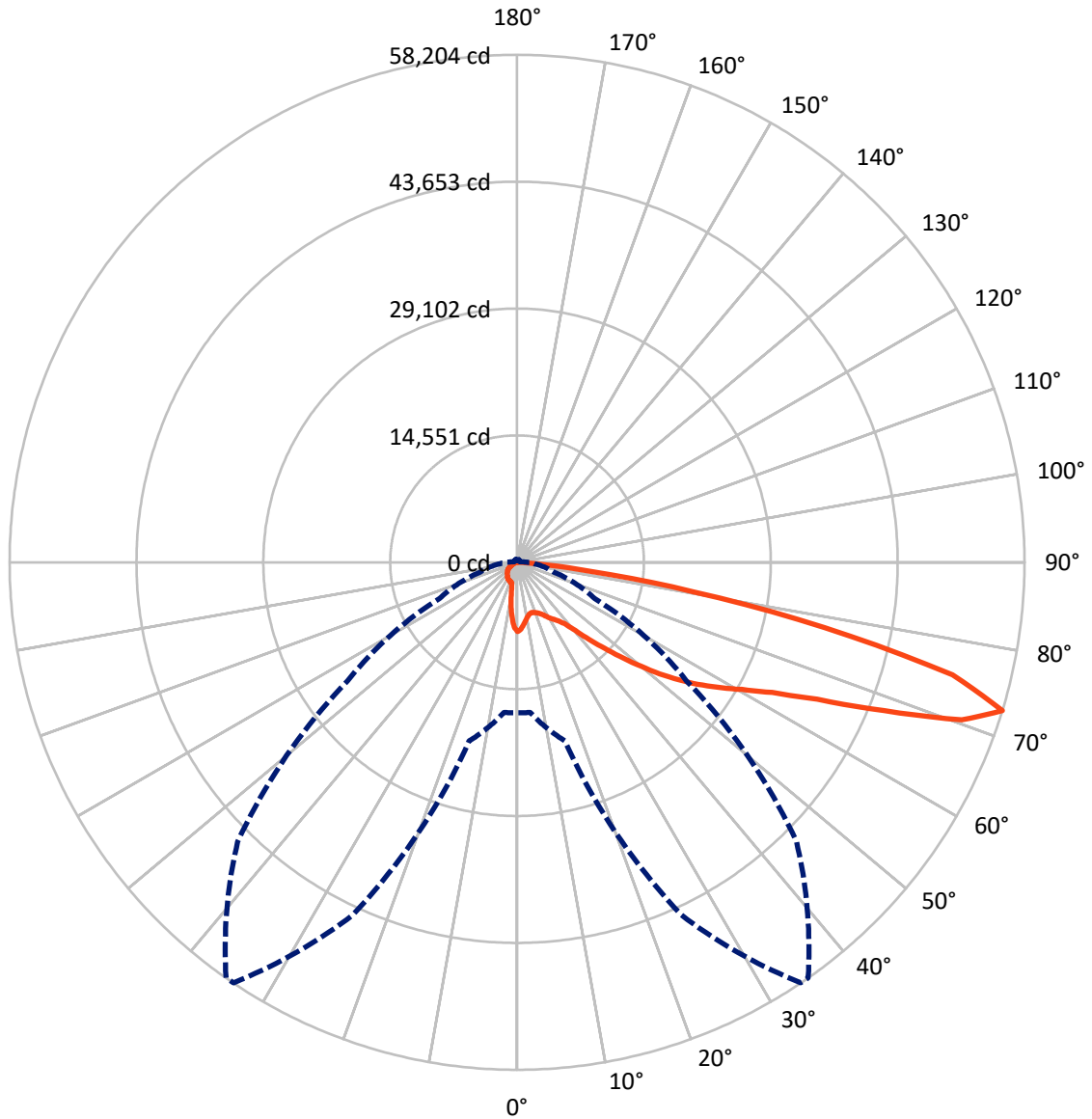
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P853238
CATALOG NUMBER: GLAN-SB9D-722-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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 CATALOG NUMBER: GLAN-SB9D-722-U-T4FT-HSS

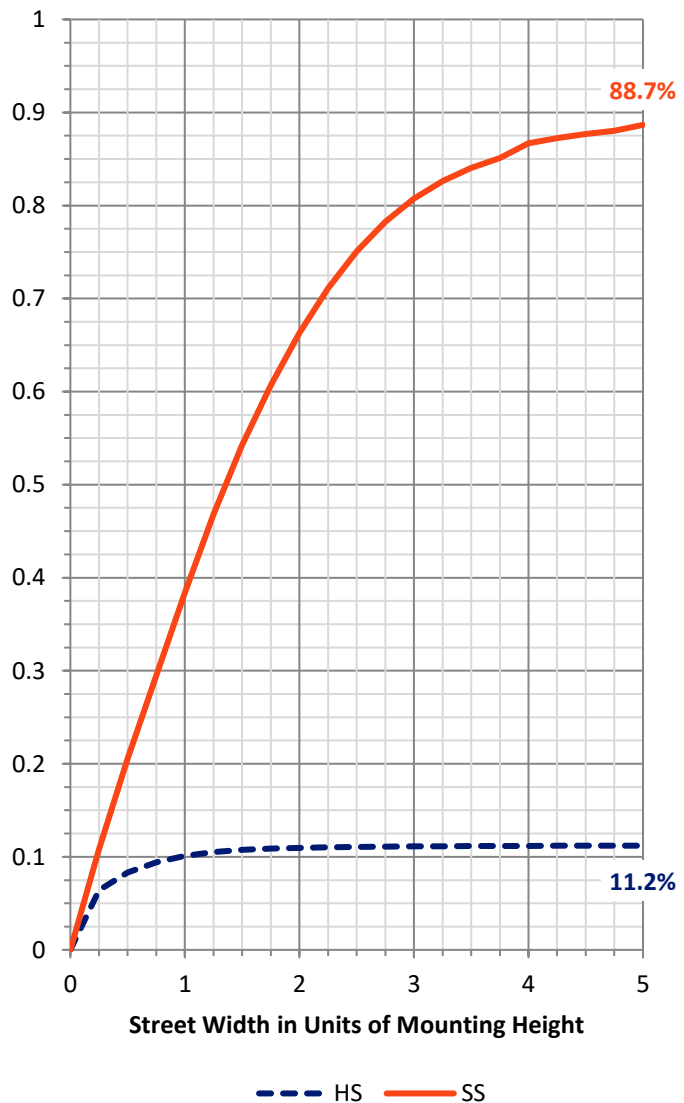
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6176.1	0.0	6176.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	48700.9	0.0	48700.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	54877.0	0.0	54877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.6	1.2
10°-20°	1528.9	2.8
20°-30°	2483.7	4.5
30°-40°	4144.1	7.6
40°-50°	7840.7	14.3
50°-60°	12458.8	22.7
60°-70°	15412.4	28.1
70°-80°	9580.5	17.5
80°-90°	774.3	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°	54877.0	100.0
0°-180°	54877.0	100.0

Coefficient of Utilization



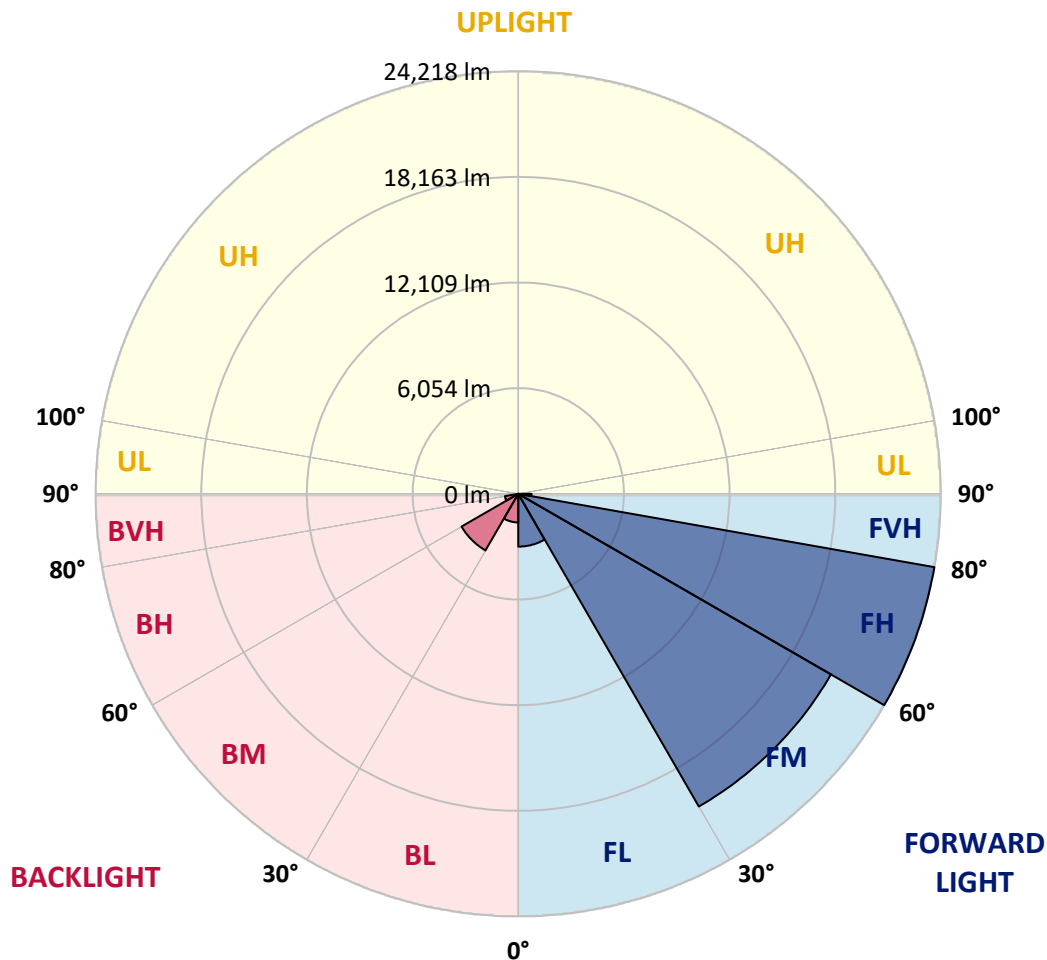
REPORT NUMBER: P853238
 CATALOG NUMBER: GLAN-SB9D-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3025.1	5.5			
FM (30°-60°)	20694.1	37.7			
FH (60°-80°)	24217.9	44.1			G5
FVH (80°-90°)	763.7	1.4			G5
BL (0°-30°)	1641.1	3.0	B3/2500		
BM (30°-60°)	3749.5	6.8	B3/5000		
BH (60°-80°)	775.0	1.4	B2/1000		G2/1000
BVH (80°-90°)	10.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P853238
 CATALOG NUMBER: GLAN-SB9D-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5
2.5°	7599.7	7664.0	7676.1	7696.2	7696.2	7720.3	7760.5	7816.8	7909.3	7957.5
5°	7004.6	7052.8	7113.1	7161.4	7253.9	7265.9	7422.7	7575.5	7788.7	7949.5
7.5°	6405.4	6461.7	6542.1	6658.8	6779.4	6815.6	7052.8	7310.2	7647.9	7949.5
10°	5983.2	5987.3	6059.6	6176.2	6369.2	6413.5	6703.0	7068.9	7491.1	7901.2
12.5°	5746.0	5774.1	5806.3	5894.8	6079.7	6107.9	6417.5	6847.7	7334.3	7873.1
15°	5746.0	5766.1	5786.2	5830.4	5979.2	6003.3	6276.8	6707.0	7253.9	7885.2
17.5°	5806.3	5838.5	5822.4	5874.7	6031.5	6047.6	6288.8	6666.8	7249.8	7961.6
20°	5951.1	5975.2	5943.0	5975.2	6132.0	6164.2	6413.5	6743.2	7318.2	8094.3
22.5°	6180.3	6192.3	6115.9	6140.1	6300.9	6341.1	6630.6	6960.3	7483.1	8307.4
25°	6469.8	6493.9	6377.3	6405.4	6558.2	6606.5	6940.2	7286.0	7744.4	8600.9
27.5°	6803.5	6815.6	6715.1	6711.0	6908.1	6976.4	7314.2	7688.1	8094.3	8970.8
30°	7185.5	7221.7	7125.2	7109.1	7358.4	7414.7	7748.4	8182.7	8608.9	9525.7
32.5°	7487.1	7515.2	7458.9	7499.1	7752.5	7796.7	8275.2	8882.4	9417.2	10313.8
35°	7921.3	7937.4	7808.8	7881.1	8170.7	8283.2	8995.0	9863.5	10434.5	11303.0
37.5°	9493.6	9493.6	8946.7	8588.8	8866.3	8966.8	9980.1	11097.9	11689.0	12629.9
40°	11668.9	11632.7	10832.5	10100.7	10064.5	10261.6	11383.4	12654.1	13309.5	14222.2
42.5°	13989.0	13932.7	12843.0	12119.3	11998.6	12067.0	13003.9	14572.1	15239.6	16164.4
45°	16047.8	16031.7	15034.5	14061.4	13844.3	14061.4	15026.4	16815.8	17294.3	18267.4
47.5°	17772.8	17772.8	17045.0	16409.7	16297.1	16425.7	17764.7	19304.8	19260.5	20507.0
50°	19759.1	19743.1	19051.4	18778.0	18894.6	19075.6	20917.2	21926.5	21295.2	22706.5
52.5°	21150.4	21246.9	21009.7	20965.4	21560.5	21874.2	24117.9	24491.8	23116.7	24793.4
55°	22252.2	22364.7	22638.2	22947.8	24093.8	24503.9	27218.1	26924.5	24640.6	26602.9
57.5°	23812.3	23651.5	24073.7	24684.9	26538.5	27033.1	30221.8	29220.5	25867.0	28070.5
60°	25706.2	25730.3	25802.7	26574.7	28979.3	29614.6	33181.2	31391.9	26655.1	28971.2
62.5°	27982.1	28018.3	28167.0	29353.2	32256.4	32855.5	36333.7	33169.1	27017.0	28717.9
65°	27825.2	27978.0	29638.7	33695.9	37238.4	37829.5	40012.9	34415.6	26470.2	26401.8
67.5°	25348.3	25597.6	28376.1	38883.0	44749.6	45409.0	44460.1	34660.9	24109.9	20531.2
70°	22099.4	22187.8	25529.3	43547.3	53447.0	54114.5	48440.9	31962.8	18295.5	11451.8
72.5°	17258.1	17278.2	21198.7	44629.0	58167.6	58203.8	45316.6	23727.9	9839.4	4399.0
75°	12328.4	12207.7	14198.1	36192.9	51175.1	51585.3	33973.3	11130.1	3759.6	2078.9
77.5°	6610.5	6743.2	8033.9	21464.0	35352.5	36052.2	18536.8	3208.7	1914.0	1415.4
80°	2042.7	2155.3	3293.2	9827.3	20024.5	20446.7	6871.9	1427.5	1335.0	1009.3
82.5°	643.4	667.5	1536.0	4129.6	8311.4	8504.4	1990.4	808.2	912.8	667.5
85°	185.0	189.0	683.6	1540.0	2054.7	2094.9	558.9	313.6	522.7	414.2
87.5°	20.1	64.3	257.3	257.3	180.9	176.9	60.3	68.4	148.8	52.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853238
 CATALOG NUMBER: GLAN-SB9D-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7953.5	0°	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5	7953.5
7989.7	2.5°	7969.6	7973.6	7921.3	7832.9	7736.4	7656.0	7555.4	7475.0	7418.7	7402.6
8062.1	5°	8025.9	7997.7	7849.0	7579.6	7257.9	6980.4	6670.8	6425.5	6264.7	6196.3
8138.5	7.5°	8110.3	8029.9	7704.2	7173.4	6558.2	6011.4	5456.5	5026.2	4752.8	4616.1
8210.9	10°	8182.7	8021.9	7463.0	6586.4	5645.5	4817.1	4069.2	3550.5	3261.0	3124.3
8295.3	12.5°	8251.1	8017.9	7149.3	5890.7	4616.1	3602.8	2907.2	2649.8	2569.4	2541.3
8432.0	15°	8379.7	8029.9	6755.3	5094.6	3590.7	2722.2	2468.9	2464.9	2481.0	2472.9
8641.1	17.5°	8556.7	8042.0	6308.9	4250.2	2770.5	2400.5	2388.5	2424.7	2448.8	2436.7
8902.5	20°	8785.9	8090.2	5834.5	3413.8	2380.4	2320.1	2348.3	2380.4	2400.5	2380.4
9252.3	22.5°	9107.5	8174.7	5315.7	2742.3	2255.8	2271.9	2296.0	2332.2	2352.3	2324.1
9698.6	25°	9501.6	8307.4	4805.1	2384.4	2195.5	2215.6	2251.8	2292.0	2316.1	2287.9
10261.6	27.5°	10012.3	8520.5	4334.6	2304.0	2135.1	2147.2	2199.5	2259.8	2292.0	2255.8
11061.7	30°	10752.1	8870.3	3928.5	2340.2	2099.0	2070.8	2143.2	2227.6	2263.8	2231.6
12151.4	32.5°	11733.2	9364.9	3679.2	2396.5	2082.9	1982.3	2050.7	2159.3	2219.6	2199.5
13574.9	35°	13020.0	10116.8	3582.7	2460.8	2070.8	1889.9	1938.1	2054.7	2159.3	2179.4
15368.2	37.5°	14580.1	11162.3	3610.8	2489.0	2034.6	1813.5	1837.6	1938.1	2074.8	2139.2
17386.8	40°	16353.4	12380.6	3771.7	2460.8	1994.4	1749.1	1753.2	1829.6	1950.2	2046.7
19558.1	42.5°	18182.9	13804.1	4069.2	2356.3	1958.2	1692.8	1680.8	1733.0	1813.5	1881.8
21725.4	45°	19924.0	15267.7	4362.8	2211.5	1914.0	1636.5	1608.4	1628.5	1644.6	1672.7
23836.4	47.5°	21443.9	16297.1	4278.3	2078.9	1853.7	1572.2	1524.0	1515.9	1467.7	1463.6
25722.3	50°	22493.4	16522.2	3799.8	1946.2	1765.2	1499.8	1423.4	1375.2	1290.7	1250.5
27133.6	52.5°	22827.2	15633.6	3104.2	1813.5	1620.5	1403.3	1294.8	1218.4	1113.8	1077.6
27945.9	55°	22384.8	13892.5	2481.0	1652.6	1419.4	1274.7	1154.0	1053.5	969.1	924.8
28034.3	57.5°	21303.2	11677.0	1962.2	1463.6	1206.3	1129.9	1009.3	908.7	836.4	792.1
27053.2	60°	19509.8	9272.4	1552.1	1238.5	1029.4	973.1	848.4	784.1	719.8	667.5
24520.0	62.5°	16787.6	6618.5	1218.4	981.1	860.5	796.2	723.8	675.5	599.1	526.7
19964.2	65°	13100.4	4049.1	940.9	719.8	691.6	659.4	615.2	571.0	478.5	406.1
13024.0	67.5°	8263.1	1918.0	671.5	542.8	546.9	530.8	510.7	474.5	406.1	341.8
5834.5	70°	3639.0	928.8	442.3	414.2	406.1	406.1	422.2	410.1	345.8	285.5
2026.6	72.5°	1238.5	498.6	329.7	313.6	293.5	289.5	353.8	341.8	277.4	221.2
1009.3	75°	647.4	333.7	241.3	225.2	176.9	213.1	281.5	265.4	197.0	144.8
667.5	77.5°	422.2	237.2	164.9	144.8	100.5	140.7	209.1	185.0	116.6	72.4
438.3	80°	265.4	156.8	96.5	68.4	48.3	76.4	112.6	80.4	44.2	16.1
257.3	82.5°	140.7	80.4	36.2	24.1	20.1	24.1	28.1	20.1	8.0	0.0
132.7	85°	56.3	28.1	12.1	8.0	4.0	0.0	8.0	4.0	0.0	0.0
24.1	87.5°	20.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
7953.5
7430.8
6220.5
4636.2
3128.3
2533.2
2468.9
2432.7
2376.4
2320.1
2283.9
2255.8
2227.6
2199.5
2179.4
2155.3
2078.9
1910.0
1688.8
1459.6
1254.5
1073.6
924.8
784.1
655.4
514.7
394.1
333.7
273.4
209.1
132.7
64.3
12.1
0.0
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