

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: P853102

Luminaire Tested: **GLAN-SB8D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853102
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-SB8D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 48719 lumens
Efficiency: N/A
Efficacy: 83.3 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

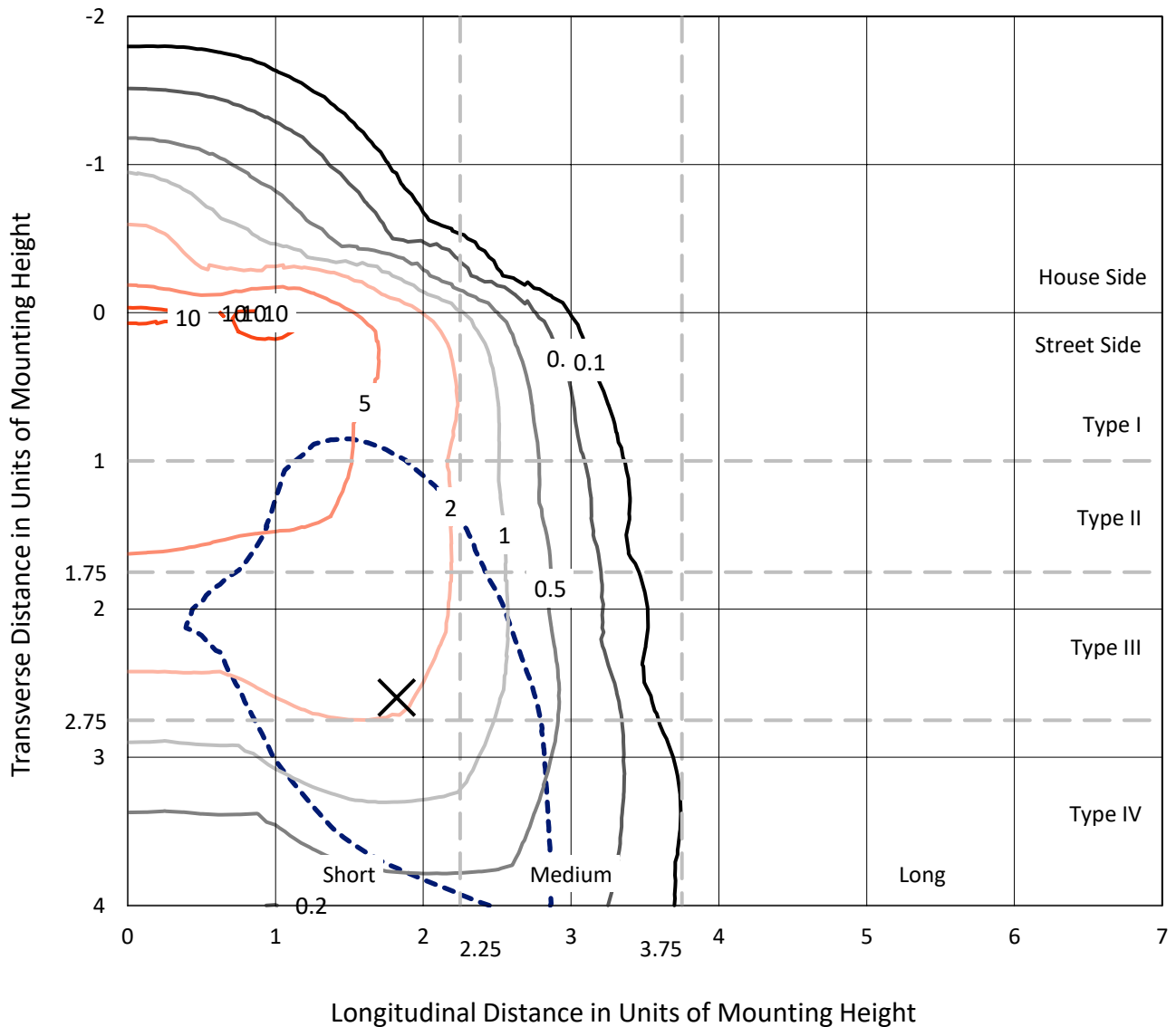
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853102
 CATALOG NUMBER: GLAN-SB8D-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

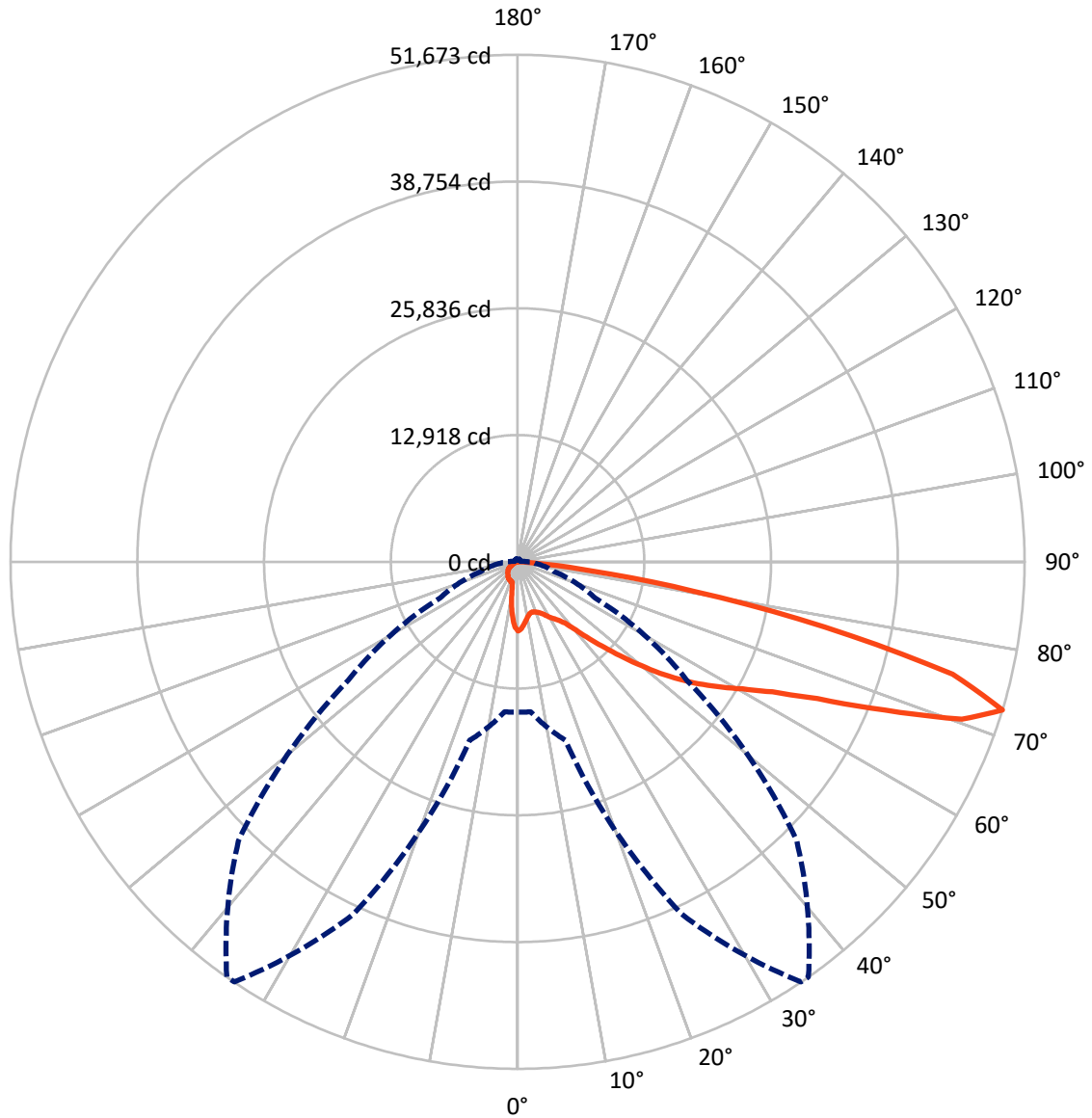
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P853102
CATALOG NUMBER: GLAN-SB8D-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-SB8D-722-U-T4FT-HSS

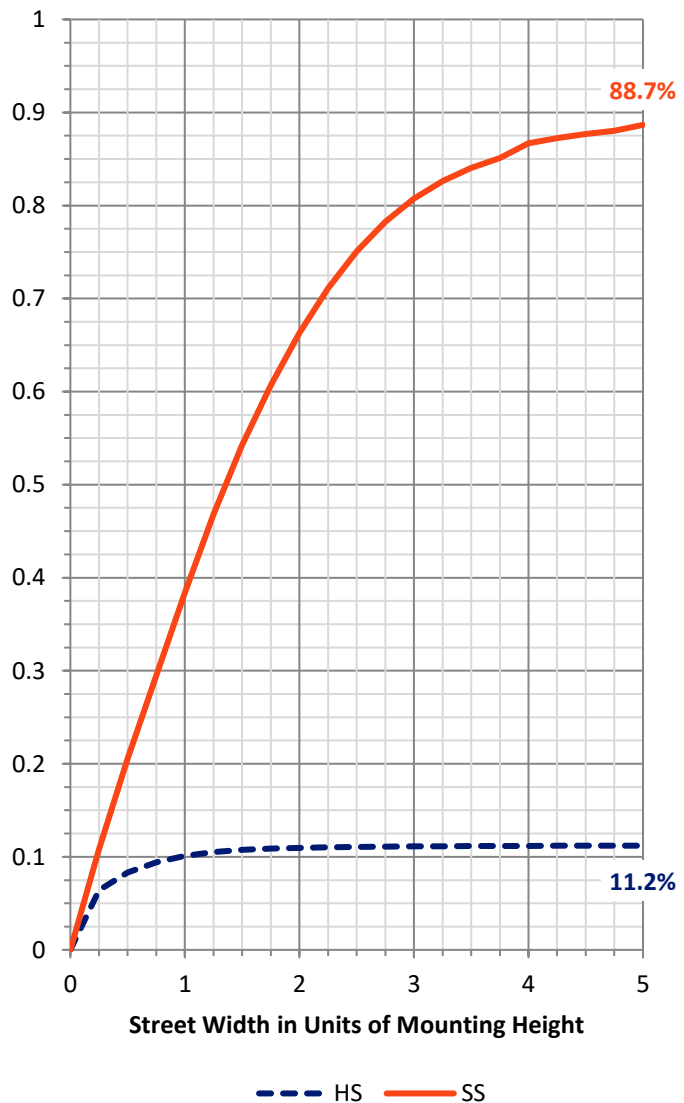
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5483.1	0.0	5483.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	43235.9	0.0	43235.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	48719.0	0.0	48719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.2	1.2
10°-20°	1357.4	2.8
20°-30°	2205.0	4.5
30°-40°	3679.0	7.6
40°-50°	6960.9	14.3
50°-60°	11060.8	22.7
60°-70°	13682.9	28.1
70°-80°	8505.4	17.5
80°-90°	687.4	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°	48719.0	100.0
0°-180°	48719.0	100.0

Coefficient of Utilization



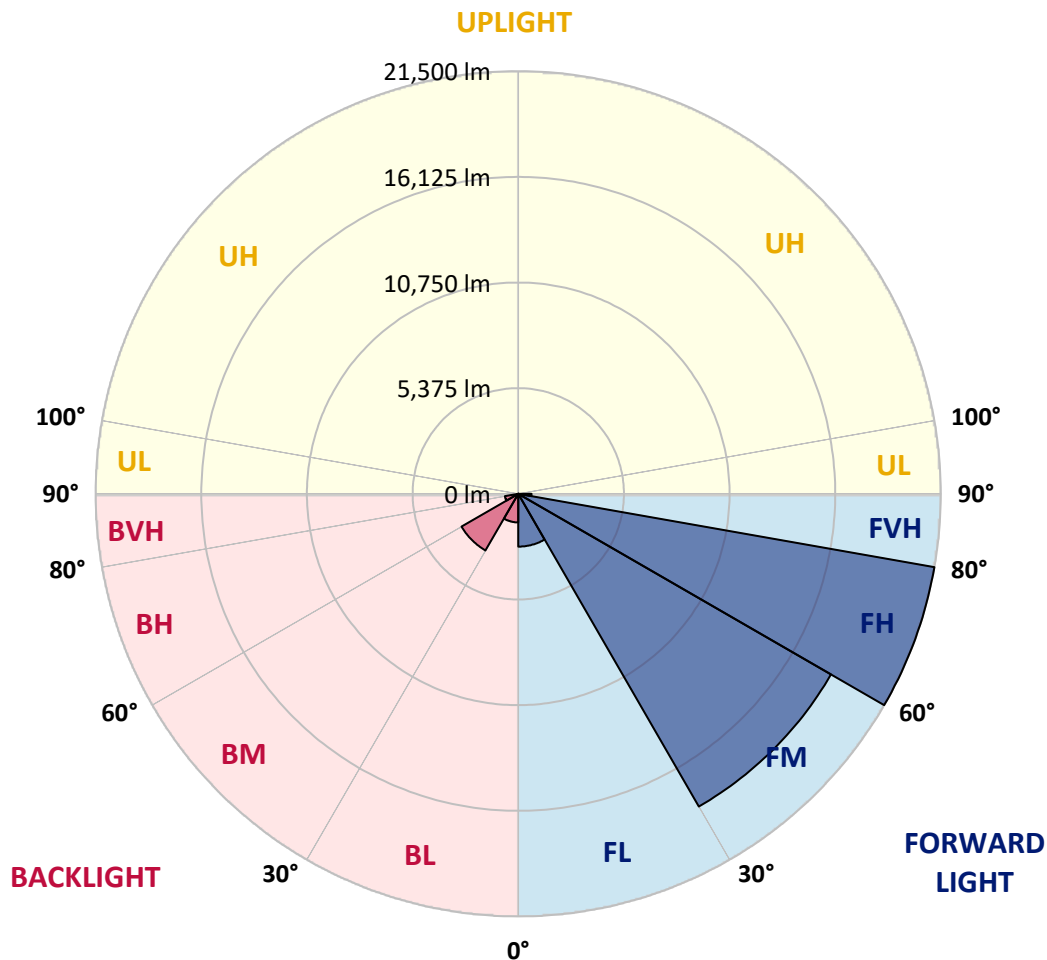
REPORT NUMBER: P853102
 CATALOG NUMBER: GLAN-SB8D-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2685.7	5.5			
FM (30°-60°)	18371.9	37.7			
FH (60°-80°)	21500.3	44.1			G5
FVH (80°-90°)	678.0	1.4			G4/750
BL (0°-30°)	1457.0	3.0	B3/2500		
BM (30°-60°)	3328.7	6.8	B3/5000		
BH (60°-80°)	688.0	1.4	B2/1000		G2/1000
BVH (80°-90°)	9.4	0.0			G0/10
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: P853102
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0
2.5°	6746.9	6804.0	6814.7	6832.6	6832.6	6854.0	6889.7	6939.6	7021.7	7064.6
5°	6218.5	6261.4	6314.9	6357.8	6439.9	6450.6	6589.8	6725.5	6914.7	7057.4
7.5°	5686.7	5736.6	5808.0	5911.5	6018.6	6050.8	6261.4	6489.9	6789.7	7057.4
10°	5311.8	5315.4	5379.7	5483.2	5654.5	5693.8	5950.8	6275.7	6650.5	7014.6
12.5°	5101.2	5126.2	5154.8	5233.3	5397.5	5422.5	5697.4	6079.3	6511.3	6989.6
15°	5101.2	5119.1	5136.9	5176.2	5308.3	5329.7	5572.4	5954.4	6439.9	7000.3
17.5°	5154.8	5183.3	5169.0	5215.4	5354.7	5368.9	5583.1	5918.7	6436.3	7068.2
20°	5283.3	5304.7	5276.1	5304.7	5443.9	5472.5	5693.8	5986.5	6497.0	7186.0
22.5°	5486.7	5497.5	5429.6	5451.0	5593.8	5629.5	5886.6	6179.3	6643.4	7375.2
25°	5743.8	5765.2	5661.7	5686.7	5822.3	5865.1	6161.4	6468.4	6875.4	7635.8
27.5°	6040.1	6050.8	5961.5	5958.0	6132.9	6193.6	6493.4	6825.4	7186.0	7964.2
30°	6379.2	6411.3	6325.6	6311.4	6532.7	6582.7	6879.0	7264.5	7642.9	8456.8
32.5°	6646.9	6671.9	6621.9	6657.6	6882.5	6921.8	7346.6	7885.6	8360.4	9156.5
35°	7032.5	7046.7	6932.5	6996.8	7253.8	7353.7	7985.6	8756.7	9263.6	10034.6
37.5°	8428.2	8428.2	7942.8	7625.0	7871.4	7960.6	8860.2	9852.6	10377.3	11212.7
40°	10359.5	10327.4	9617.0	8967.3	8935.1	9110.1	10106.0	11234.1	11816.0	12626.3
42.5°	12419.3	12369.3	11401.9	10759.3	10652.2	10712.9	11544.7	12936.9	13529.5	14350.5
45°	14247.0	14232.7	13347.4	12483.5	12290.7	12483.5	13340.3	14928.8	15353.6	16217.5
47.5°	15778.4	15778.4	15132.3	14568.3	14468.3	14582.5	15771.3	17138.5	17099.2	18205.9
50°	17541.9	17527.6	16913.6	16670.9	16774.4	16935.0	18570.0	19466.0	18905.5	20158.5
52.5°	18777.0	18862.7	18652.1	18612.8	19141.1	19419.6	21411.5	21743.5	20522.6	22011.2
55°	19755.1	19855.1	20097.8	20372.7	21390.1	21754.2	24163.8	23903.2	21875.6	23617.6
57.5°	21140.2	20997.4	21372.2	21914.9	23560.5	23999.6	26830.4	25941.6	22964.4	24920.6
60°	22821.6	22843.0	22907.3	23592.6	25727.4	26291.4	29457.8	27869.2	23664.0	25720.2
62.5°	24842.1	24874.2	25006.3	26059.4	28636.7	29168.6	32256.5	29447.1	23985.3	25495.3
65°	24702.8	24838.5	26312.8	29914.7	33059.7	33584.5	35522.8	30553.7	23499.8	23439.1
67.5°	22503.9	22725.2	25191.9	34519.7	39728.0	40313.5	39471.0	30771.5	21404.4	18227.3
70°	19619.5	19698.0	22664.5	38660.7	47449.5	48042.0	43005.1	28376.1	16242.5	10166.7
72.5°	15321.5	15339.3	18819.9	39620.9	51640.4	51672.5	40231.4	21065.2	8735.2	3905.3
75°	10944.9	10837.8	12604.9	32131.6	45432.5	45796.7	30161.0	9881.1	3337.7	1845.6
77.5°	5868.7	5986.5	7132.4	19055.5	31385.5	32006.6	16456.7	2848.7	1699.2	1256.6
80°	1813.4	1913.4	2923.6	8724.5	17777.5	18152.3	6100.7	1267.3	1185.2	896.0
82.5°	571.2	592.6	1363.7	3666.2	7378.7	7550.1	1767.0	717.5	810.3	592.6
85°	164.2	167.8	606.9	1367.2	1824.2	1859.9	496.2	278.4	464.1	367.7
87.5°	17.8	57.1	228.5	228.5	160.6	157.1	53.5	60.7	132.1	46.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853102
 CATALOG NUMBER: GLAN-SB8D-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7061.0	0°	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0	7061.0
7093.1	2.5°	7075.3	7078.9	7032.5	6953.9	6868.2	6796.9	6707.6	6636.2	6586.2	6572.0
7157.4	5°	7125.3	7100.3	6968.2	6729.0	6443.4	6197.1	5922.3	5704.5	5561.7	5501.0
7225.2	7.5°	7200.2	7128.8	6839.7	6368.5	5822.3	5336.8	4844.2	4462.2	4219.5	4098.1
7289.5	10°	7264.5	7121.7	6625.5	5847.3	5012.0	4276.6	3612.6	3152.1	2895.1	2773.7
7364.4	12.5°	7325.2	7118.1	6347.1	5229.7	4098.1	3198.5	2580.9	2352.5	2281.1	2256.1
7485.8	15°	7439.4	7128.8	5997.2	4522.9	3187.8	2416.7	2191.8	2188.3	2202.6	2195.4
7671.4	17.5°	7596.5	7139.6	5601.0	3773.3	2459.6	2131.2	2120.4	2152.6	2174.0	2163.3
7903.5	20°	7800.0	7182.4	5179.7	3030.7	2113.3	2059.8	2084.7	2113.3	2131.2	2113.3
8214.1	22.5°	8085.5	7257.4	4719.2	2434.6	2002.6	2016.9	2038.3	2070.5	2088.3	2063.3
8610.3	25°	8435.4	7375.2	4265.9	2116.9	1949.1	1966.9	1999.1	2034.8	2056.2	2031.2
9110.1	27.5°	8888.7	7564.4	3848.2	2045.5	1895.6	1906.3	1952.7	2006.2	2034.8	2002.6
9820.5	30°	9545.6	7874.9	3487.7	2077.6	1863.4	1838.4	1902.7	1977.7	2009.8	1981.2
10787.9	32.5°	10416.6	8314.0	3266.3	2127.6	1849.1	1759.9	1820.6	1917.0	1970.5	1952.7
12051.6	35°	11558.9	8981.6	3180.7	2184.7	1838.4	1677.8	1720.6	1824.2	1917.0	1934.8
13643.7	37.5°	12944.0	9909.7	3205.7	2209.7	1806.3	1610.0	1631.4	1720.6	1842.0	1899.1
15435.7	40°	14518.3	10991.3	3348.4	2184.7	1770.6	1552.9	1556.4	1624.2	1731.3	1817.0
17363.4	42.5°	16142.5	12255.0	3612.6	2091.9	1738.5	1502.9	1492.2	1538.6	1610.0	1670.7
19287.5	45°	17688.2	13554.4	3873.2	1963.4	1699.2	1452.9	1427.9	1445.8	1460.0	1485.0
21161.6	47.5°	19037.6	14468.3	3798.2	1845.6	1645.7	1395.8	1352.9	1345.8	1303.0	1299.4
22835.9	50°	19969.3	14668.2	3373.4	1727.8	1567.1	1331.5	1263.7	1220.9	1145.9	1110.2
24088.8	52.5°	20265.6	13879.3	2755.9	1610.0	1438.6	1245.9	1149.5	1081.6	988.8	956.7
24809.9	55°	19872.9	12333.6	2202.6	1467.2	1260.1	1131.6	1024.5	935.3	860.3	821.0
24888.5	57.5°	18912.7	10366.6	1742.1	1299.4	1070.9	1003.1	896.0	806.8	742.5	703.2
24017.5	60°	17320.6	8231.9	1377.9	1099.5	913.9	863.9	753.2	696.1	639.0	592.6
21768.5	62.5°	14903.8	5875.9	1081.6	871.0	763.9	706.8	642.6	599.7	531.9	467.6
17723.9	65°	11630.3	3594.8	835.3	639.0	614.0	585.4	546.2	506.9	424.8	360.5
11562.5	67.5°	7335.9	1702.8	596.2	481.9	485.5	471.2	453.4	421.2	360.5	303.4
5179.7	70°	3230.6	824.6	392.7	367.7	360.5	360.5	374.8	364.1	307.0	253.5
1799.2	72.5°	1099.5	442.7	292.7	278.4	260.6	257.0	314.1	303.4	246.3	196.3
896.0	75°	574.7	296.3	214.2	199.9	157.1	189.2	249.9	235.6	174.9	128.5
592.6	77.5°	374.8	210.6	146.4	128.5	89.2	124.9	185.6	164.2	103.5	64.3
389.1	80°	235.6	139.2	85.7	60.7	42.8	67.8	100.0	71.4	39.3	14.3
228.5	82.5°	124.9	71.4	32.1	21.4	17.8	21.4	25.0	17.8	7.1	0.0
117.8	85°	50.0	25.0	10.7	7.1	3.6	0.0	7.1	3.6	0.0	0.0
21.4	87.5°	17.8	3.6	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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180°
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7061.0
6596.9
5522.4
4116.0
2777.3
2249.0
2191.8
2159.7
2109.7
2059.8
2027.6
2002.6
1977.7
1952.7
1934.8
1913.4
1845.6
1695.6
1499.3
1295.8
1113.8
953.1
821.0
696.1
581.9
456.9
349.8
296.3
242.7
185.6
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