

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: P850965

Luminaire Tested: **GLAN-SB8D-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850965
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-SB8D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA 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: 46987 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

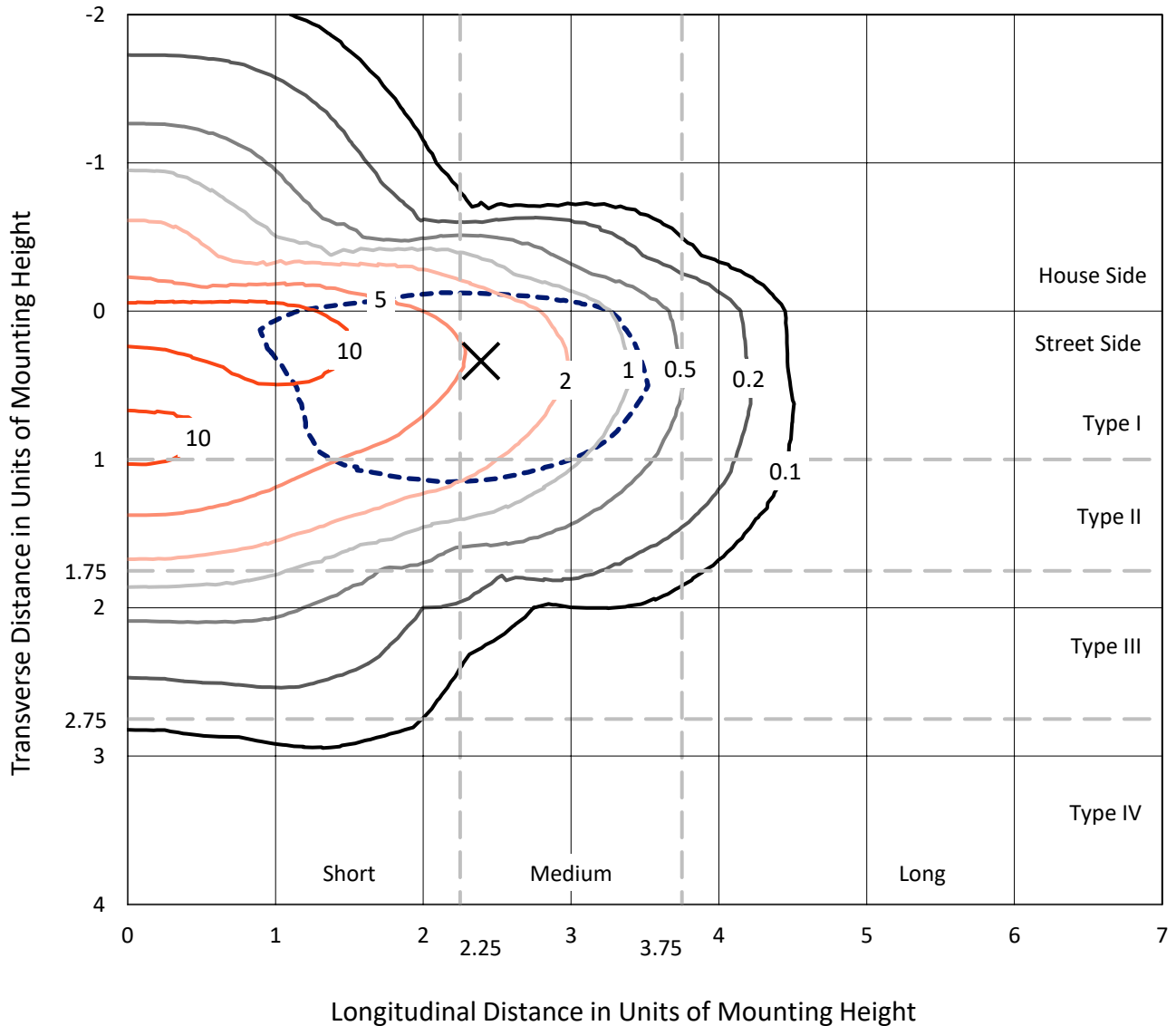
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

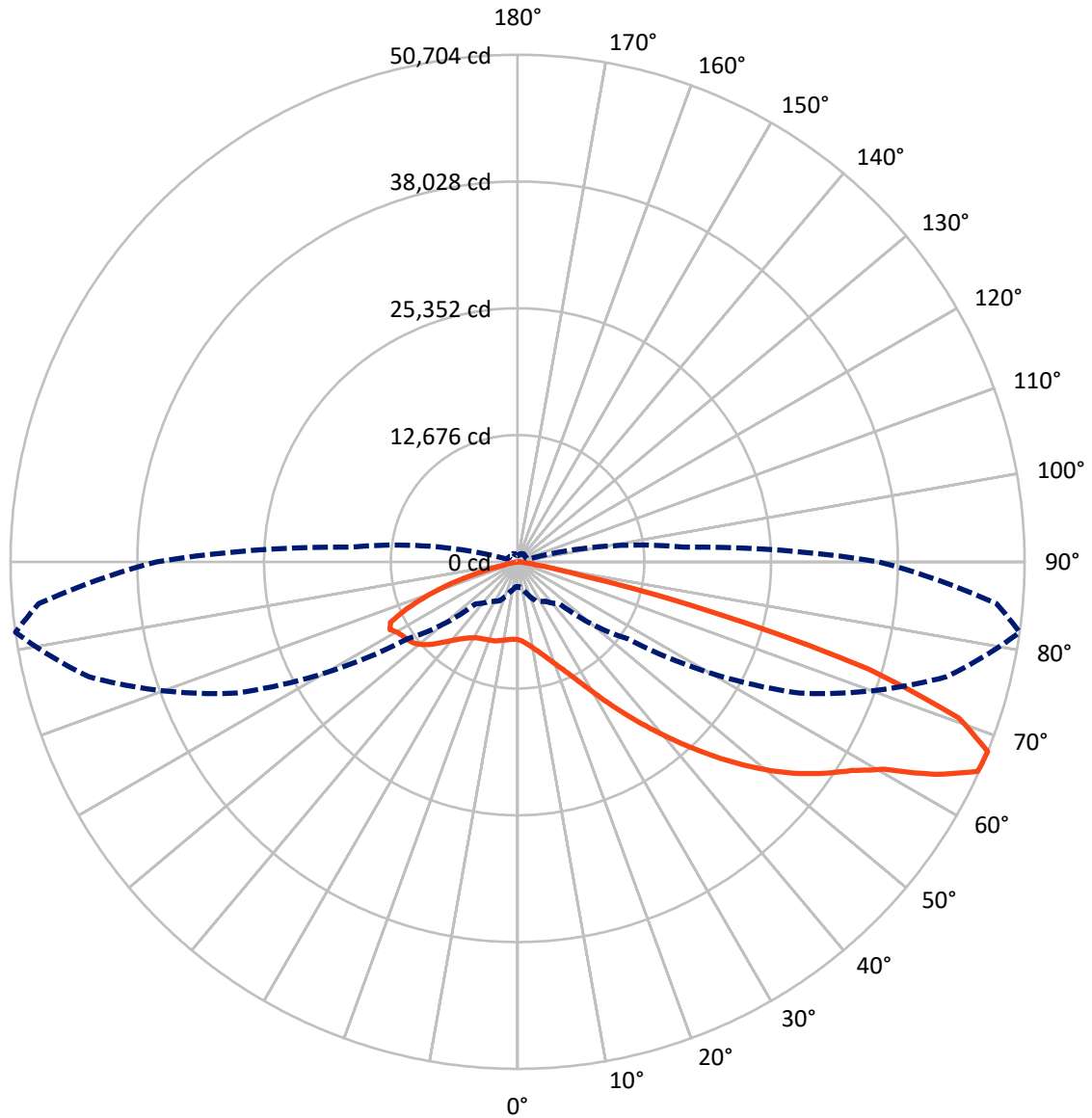
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 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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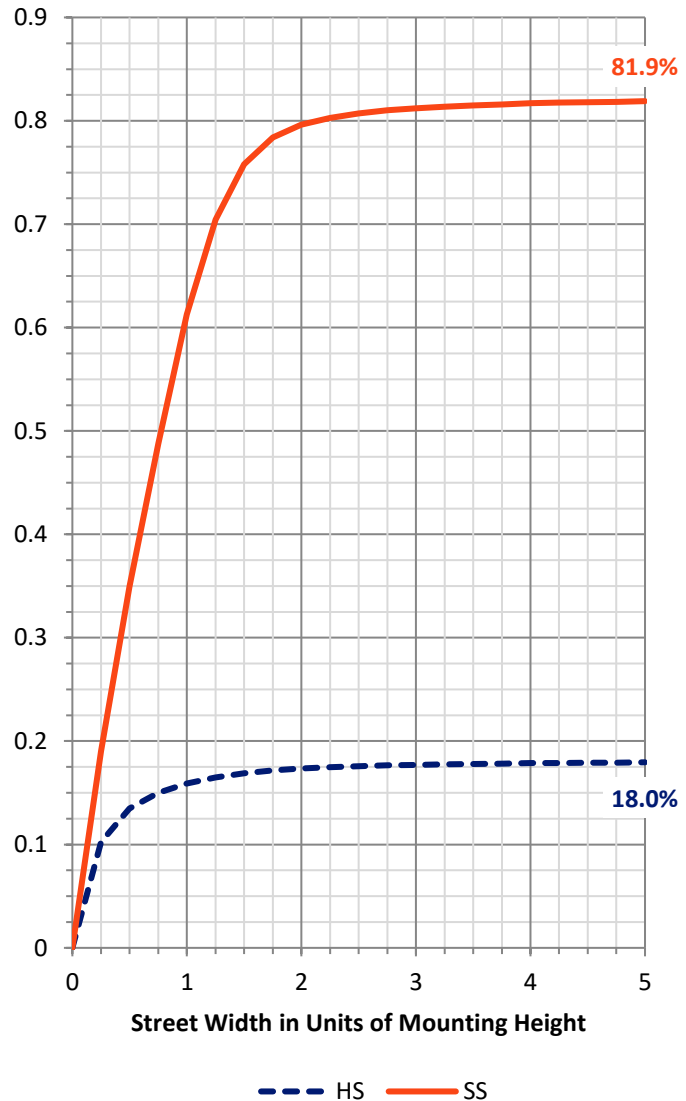
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8511.3	0.0	8511.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	38475.7	0.0	38475.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	46987.0	0.0	46987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.5	1.5
10°-20°	1802.2	3.8
20°-30°	2886.5	6.1
30°-40°	5104.2	10.9
40°-50°	8943.0	19.0
50°-60°	11927.5	25.4
60°-70°	11103.9	23.6
70°-80°	4261.7	9.1
80°-90°	264.7	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°	46987.0	100.0
0°-180°	46987.0	100.0

Coefficient of Utilization

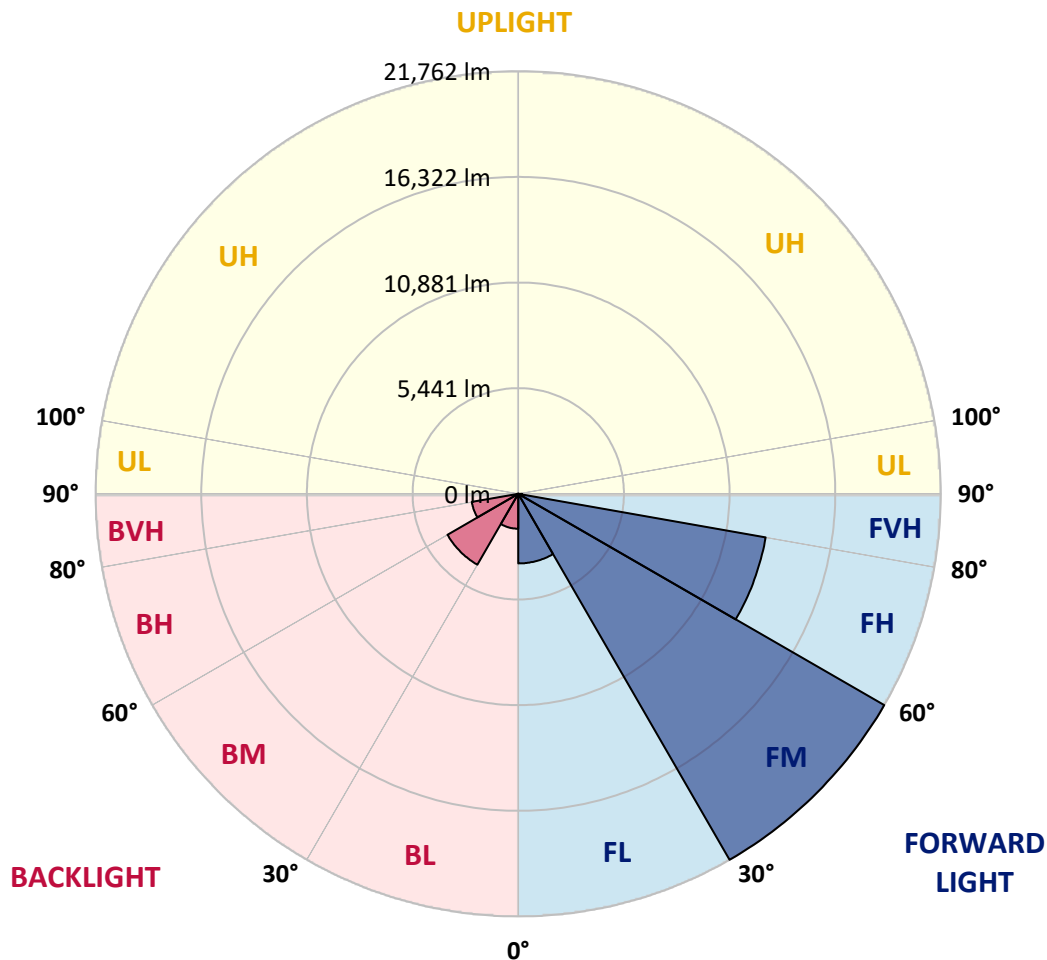


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3584.6	7.6			
FM (30°-60°)	21762.5	46.3			
FH (60°-80°)	12936.2	27.5			G5
FVH (80°-90°)	192.4	0.4			G2/225
BL (0°-30°)	1797.6	3.8	B3/2500		
BM (30°-60°)	4212.2	9.0	B3/5000		
BH (60°-80°)	2429.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	72.2	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-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2
2.5°	8227.3	8274.7	8247.6	8234.1	8210.4	8176.6	8149.5	8064.9	7977.0	7919.5
5°	8393.1	8440.4	8437.1	8450.6	8467.5	8477.7	8470.9	8376.2	8251.0	8152.9
7.5°	8251.0	8305.1	8349.1	8416.8	8535.2	8660.3	8721.2	8700.9	8572.4	8437.1
10°	7848.4	7905.9	8010.8	8169.8	8420.1	8690.8	8917.4	9022.3	8941.1	8792.3
12.5°	7110.9	7168.5	7374.8	7719.9	8139.4	8609.6	9042.6	9323.4	9343.7	9194.8
15°	6282.1	6339.6	6559.5	6992.5	7631.9	8386.3	9110.3	9641.4	9820.7	9692.1
17.5°	5767.9	5818.7	5984.4	6332.9	6999.3	7939.8	9086.6	9979.7	10389.0	10287.5
20°	5612.3	5656.3	5734.1	5977.7	6532.5	7476.3	8931.0	10297.7	11001.3	10943.8
22.5°	5778.1	5818.7	5842.3	5950.6	6299.0	7171.8	8734.8	10622.4	11711.8	11718.5
25°	6160.3	6200.9	6173.9	6241.5	6393.8	7077.1	8660.3	11004.7	12604.9	12679.3
27.5°	6789.6	6793.0	6728.7	6725.3	6749.0	7219.2	8738.1	11414.1	13731.4	13870.1
30°	8051.4	8000.7	7753.7	7486.5	7364.7	7645.5	8954.7	11897.8	15060.9	15307.8
32.5°	9996.6	9922.2	9468.9	8829.5	8186.7	8332.2	9343.7	12449.2	16508.8	16955.3
35°	12107.6	12087.3	11613.6	10663.0	9539.9	9309.9	9976.3	13173.2	18088.6	18799.0
37.5°	14069.7	14059.5	13788.9	12669.1	11302.4	10673.2	10991.2	14120.4	19780.1	20808.5
40°	15862.6	15893.1	15622.4	14621.1	13244.2	12422.2	12371.4	15290.9	21661.0	22997.3
42.5°	17412.0	17445.8	17171.8	16431.0	15162.4	14357.2	14066.3	16725.3	23497.9	25348.4
45°	18464.1	18673.9	18633.3	18041.2	17131.2	16295.6	16102.8	18525.0	25592.0	27841.6
47.5°	18761.8	18954.6	19259.1	19340.3	18785.5	17963.4	18193.5	20693.5	27709.7	30338.2
50°	18027.7	18207.0	18839.6	19682.0	20067.6	19813.9	20226.6	23017.6	29878.2	32828.1
52.5°	16579.8	16762.5	17560.9	18893.7	20466.8	21265.2	22266.5	25307.8	31979.0	35186.0
55°	14485.8	14678.6	15703.6	17212.4	19705.7	21864.0	23968.2	27594.7	33903.9	37307.1
57.5°	11637.3	11779.4	12845.0	14956.0	17790.9	21268.6	25223.2	30091.3	35717.1	39391.0
60°	7584.6	7709.7	8947.9	11302.4	14617.7	19279.4	25473.6	32875.5	38125.8	42100.7
62.5°	5044.0	5128.5	5862.6	7591.3	10294.3	15460.1	24008.8	35098.1	41657.6	46816.6
65°	3460.8	3545.3	4279.4	5483.8	6650.9	10226.6	19797.0	34803.7	44857.8	50561.5
67.5°	2469.5	2540.6	3163.1	4299.7	4813.9	5940.5	13420.1	31041.9	44397.8	50703.6
70°	1769.3	1809.9	2324.1	3349.1	3826.1	3569.0	7462.8	23741.5	38873.4	46820.0
72.5°	1238.2	1251.7	1613.7	2550.7	3081.9	2604.9	3552.1	15828.8	29401.2	36748.9
75°	839.0	855.9	1085.9	1870.8	2472.9	1989.2	1880.9	8487.8	17259.8	20341.6
77.5°	514.2	521.0	700.3	1278.8	1850.5	1515.6	1211.1	3596.1	6677.9	6556.1
80°	290.9	290.9	446.5	795.0	1261.8	977.7	849.1	1529.1	2114.3	1857.2
82.5°	162.4	165.8	324.8	493.9	835.6	578.5	466.8	707.0	913.4	808.5
85°	67.7	74.4	199.6	233.4	399.2	287.6	189.4	297.7	338.3	301.1
87.5°	6.8	10.1	60.9	44.0	47.4	57.5	27.1	57.5	47.4	47.4
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°
7784.2	0°	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2
7899.2	2.5°	7834.9	7784.2	7655.6	7506.8	7310.5	7215.8	7087.3	6999.3	6924.9	6931.7
8095.4	5°	7987.1	7858.6	7571.0	7212.4	6765.9	6447.9	6109.6	5876.2	5686.7	5646.1
8366.0	7.5°	8196.9	7993.9	7489.8	6843.7	6089.3	5517.6	5006.8	4678.6	4445.2	4370.8
8694.2	10°	8467.5	8173.2	7385.0	6380.2	5294.3	4567.0	4018.9	3761.8	3602.8	3548.7
9079.8	12.5°	8782.1	8379.6	7246.3	5815.3	4475.6	3775.4	3426.9	3298.4	3247.6	3230.7
9553.4	15°	9177.9	8636.7	7036.5	5145.5	3782.1	3291.6	3142.8	3125.8	3132.6	3125.8
10121.8	17.5°	9648.2	8917.4	6694.8	4455.3	3315.3	3044.7	2990.5	3004.1	3021.0	3017.6
10757.8	20°	10162.4	9194.8	6258.4	3843.0	2997.3	2868.7	2838.3	2851.8	2865.4	2858.6
11491.9	22.5°	10747.6	9492.5	5774.7	3366.0	2784.2	2706.4	2672.5	2675.9	2675.9	2662.4
12422.2	25°	11447.9	9820.7	5267.2	3027.7	2621.8	2560.9	2520.3	2506.8	2486.5	2445.9
13552.1	27.5°	12283.5	10169.1	4780.1	2790.9	2493.2	2435.7	2388.4	2354.5	2303.8	2236.1
14908.6	30°	13223.9	10592.0	4367.4	2642.1	2391.7	2334.2	2280.1	2229.4	2154.9	2070.4
16468.2	32.5°	14330.2	11045.3	4066.3	2544.0	2300.4	2239.5	2175.2	2114.3	2033.1	1948.6
18220.5	35°	15649.5	11593.4	3890.4	2476.3	2229.4	2148.2	2077.1	2009.5	1948.6	1874.2
20125.1	37.5°	17080.5	12175.2	3836.3	2442.5	2182.0	2056.8	1975.6	1928.3	1921.5	1877.5
22185.4	40°	18646.8	12865.3	3876.9	2422.2	2131.3	1968.9	1880.9	1870.8	1887.7	1809.9
24387.6	42.5°	20304.4	13684.0	3944.5	2398.5	2060.2	1880.9	1796.3	1796.3	1782.8	1674.6
26715.1	45°	22097.4	14627.9	4012.2	2341.0	1975.6	1793.0	1728.7	1705.0	1647.5	1542.6
29056.1	47.5°	23903.9	15588.6	4062.9	2236.1	1874.2	1718.5	1661.0	1606.9	1522.3	1427.6
31353.1	50°	25619.0	16451.3	4008.8	2080.5	1759.1	1647.5	1586.6	1512.2	1420.8	1356.6
33528.4	52.5°	27151.5	17198.9	3778.7	1897.8	1637.3	1573.1	1518.9	1441.1	1366.7	1299.1
35490.5	55°	28484.4	17804.4	3372.8	1725.3	1529.1	1508.8	1454.7	1356.6	1255.1	1197.6
37435.7	57.5°	29763.1	18264.5	2865.4	1583.2	1431.0	1437.8	1356.6	1268.6	1173.9	1113.0
40057.4	60°	31464.8	18880.2	2351.1	1451.3	1326.1	1346.4	1258.5	1194.2	1075.8	998.0
44553.4	62.5°	34184.7	19837.6	1867.4	1288.9	1204.3	1211.1	1173.9	1096.1	954.0	862.7
47885.6	65°	36343.0	19485.8	1471.6	1113.0	1065.6	1075.8	1075.8	991.2	839.0	734.1
48064.9	67.5°	36099.4	16684.7	1173.9	940.5	933.7	940.5	964.1	893.1	744.2	659.7
44404.5	70°	33254.3	13271.3	940.5	781.5	811.9	795.0	862.7	815.3	669.8	585.2
34424.8	72.5°	27134.6	9560.2	717.2	646.1	622.5	649.5	778.1	734.1	558.2	463.5
18234.1	75°	15855.9	5101.5	534.5	510.8	449.9	541.3	690.1	625.8	426.3	341.7
5588.6	77.5°	5162.4	1779.4	392.4	375.5	334.9	436.4	588.6	527.7	348.4	270.6
1637.3	80°	1383.6	537.9	267.3	247.0	216.5	324.8	466.8	419.5	250.3	175.9
703.7	82.5°	554.8	226.7	155.6	138.7	118.4	223.3	368.7	338.3	186.1	111.6
219.9	85°	179.3	74.4	57.5	44.0	54.1	138.7	219.9	230.0	131.9	57.5
33.8	87.5°	23.7	10.1	10.1	13.5	10.1	23.7	67.7	64.3	37.2	6.8
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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7784.2
6864.0
5554.8
4296.3
3508.1
3220.6
3122.5
3010.8
2855.2
2655.6
2439.1
2229.4
2063.6
1952.0
1867.4
1874.2
1813.3
1674.6
1539.2
1424.2
1346.4
1292.3
1190.8
1106.2
987.8
855.9
724.0
646.1
575.1
453.3
331.5
260.5
172.5
111.6
44.0
0.0
0.0

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