

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: P955916

Luminaire Tested: **GLAN-SB8D-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52360 lumens
Efficiency: N/A
Efficacy: 89.5 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

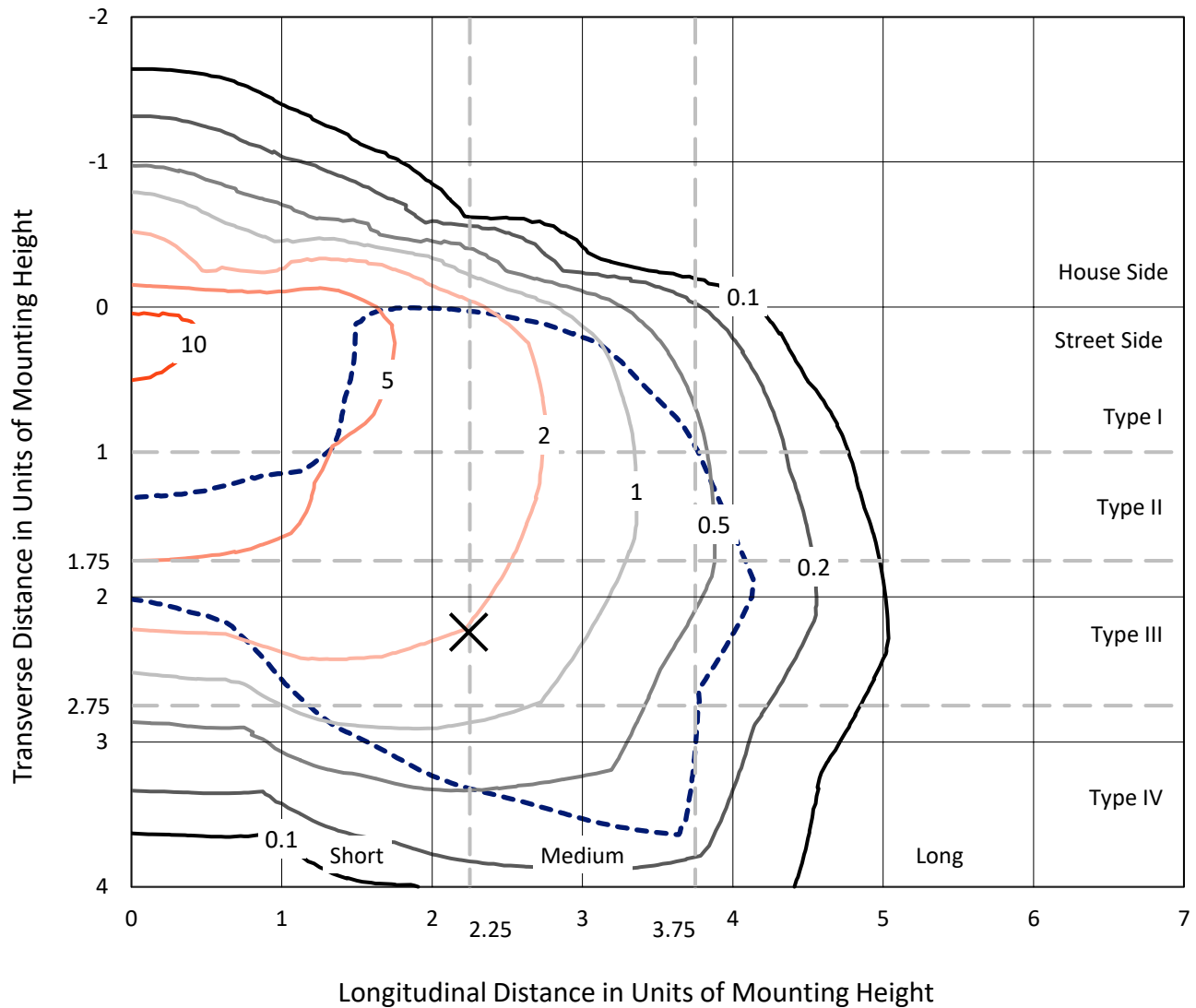


REPORT NUMBER: P955916

CATALOG NUMBER: GLAN-SB8D-722-U-T4W-HSS

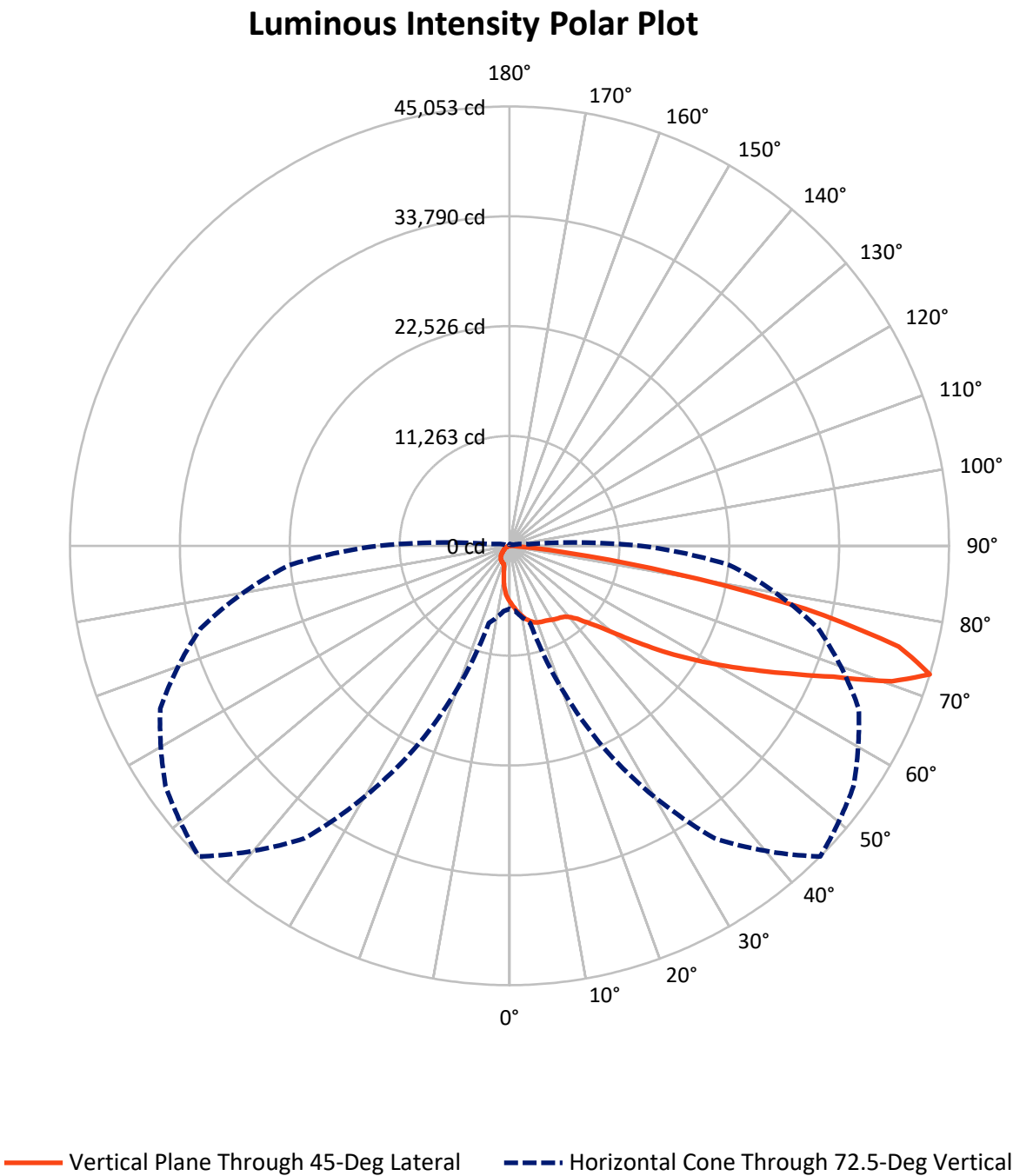
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
Type IV - Short - N/A

REPORT NUMBER: P955916
CATALOG NUMBER: GLAN-SB8D-722-U-T4W-HSS



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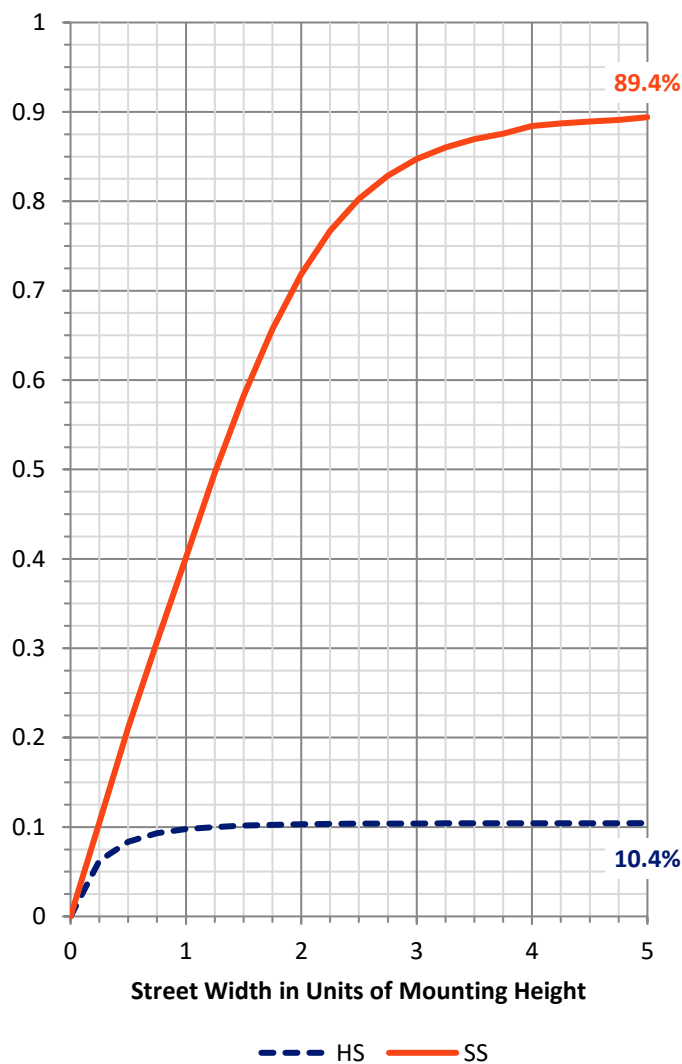
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5501.6	0.0	5501.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	46858.4	0.0	46858.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	52360.0	0.0	52360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.5	1.0
10°-20°	1579.5	3.0
20°-30°	2593.9	5.0
30°-40°	3678.7	7.0
40°-50°	6080.5	11.6
50°-60°	10922.9	20.9
60°-70°	15167.0	29.0
70°-80°	11001.7	21.0
80°-90°	795.4	1.5
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°	52360.0	100.0
0°-180°	52360.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955916

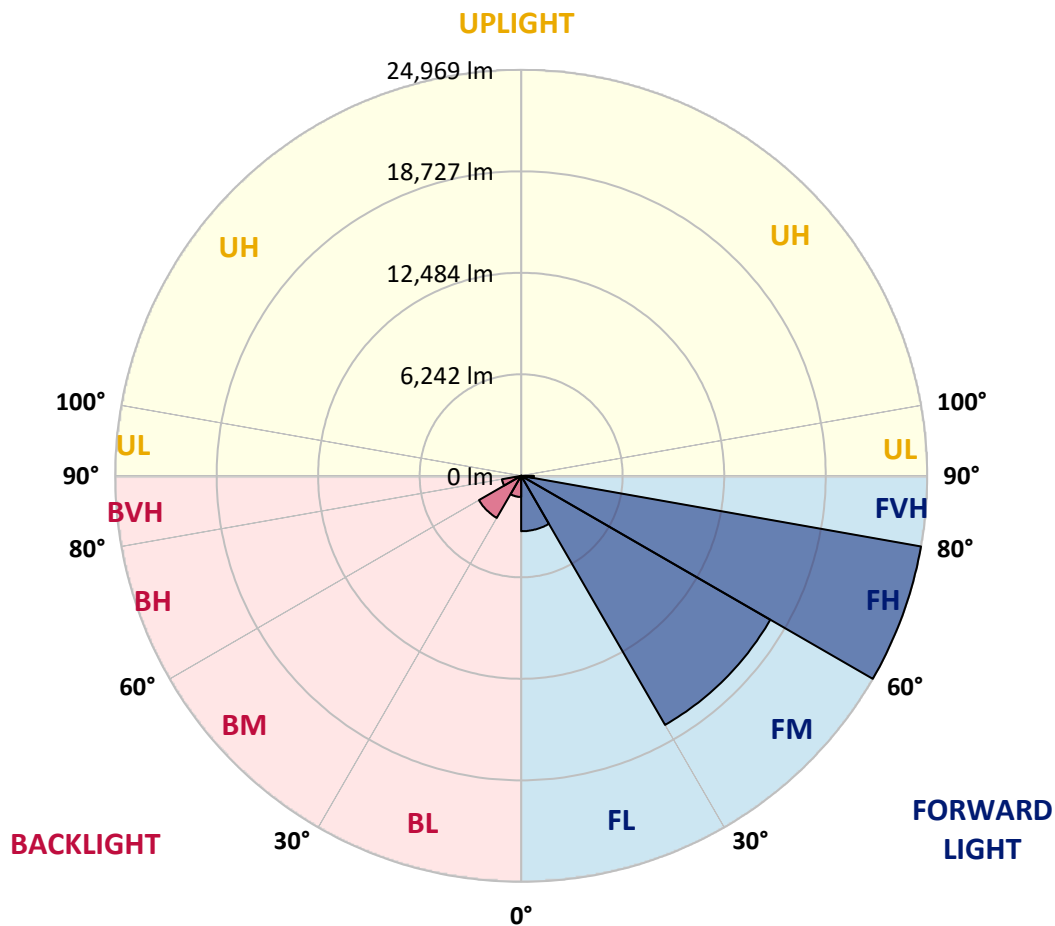
CATALOG NUMBER: GLAN-SB8D-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3410.7	6.5			
FM	(30°-60°)	17690.0	33.8			
FH	(60°-80°)	24969.0	47.7			G5
FVH	(80°-90°)	788.7	1.5			G5
BL	(0°-30°)	1303.1	2.5	B3/2500		
BM	(30°-60°)	2992.1	5.7	B3/5000		
BH	(60°-80°)	1199.7	2.3	B3/2500		G3/2500
BVH	(80°-90°)	6.7	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: P955916

CATALOG NUMBER: GLAN-SB8D-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1
2.5°	6265.1	6275.8	6268.7	6225.8	6154.3	6115.0	6093.5	6022.1	5975.6	5893.4
5°	6840.5	6883.4	6858.4	6772.6	6636.8	6540.3	6511.7	6365.2	6232.9	6079.2
7.5°	7451.6	7473.1	7426.6	7315.8	7133.6	6969.2	6944.1	6740.4	6529.6	6293.7
10°	7980.6	8005.6	7934.1	7773.3	7566.0	7362.3	7326.5	7101.4	6851.2	6561.7
12.5°	8423.7	8448.8	8355.8	8162.8	7934.1	7723.3	7687.5	7451.6	7176.4	6854.8
15°	8759.7	8806.2	8681.1	8473.8	8227.2	8016.3	7998.4	7766.1	7498.1	7140.7
17.5°	8956.3	9002.7	8884.8	8634.6	8423.7	8245.0	8223.6	8030.6	7780.4	7437.3
20°	8988.4	9031.3	8906.2	8688.2	8513.1	8370.1	8359.4	8220.0	8037.8	7709.0
22.5°	8891.9	8945.5	8831.2	8656.0	8534.5	8459.5	8445.2	8366.6	8262.9	7984.1
25°	8791.9	8834.7	8749.0	8595.3	8531.0	8523.8	8534.5	8520.2	8498.8	8262.9
27.5°	8784.7	8831.2	8734.7	8588.1	8552.4	8627.5	8638.2	8706.1	8724.0	8516.7
30°	8845.5	8877.6	8784.7	8631.0	8613.2	8784.7	8788.3	8909.8	8938.4	8731.1
32.5°	8977.7	9013.4	8920.5	8695.4	8670.3	8909.8	8920.5	9081.3	9127.8	8959.8
35°	9288.6	9331.5	9224.3	8874.1	8784.7	9027.7	9059.9	9249.3	9342.2	9202.9
37.5°	10064.2	9939.1	9792.6	9235.0	9045.6	9213.6	9267.2	9488.8	9653.2	9492.3
40°	11990.5	11597.4	11139.9	9849.7	9503.1	9610.3	9653.2	9874.8	10099.9	9942.7
42.5°	14881.8	14417.2	13681.0	11265.0	10192.8	10246.4	10278.6	10471.6	10789.7	10664.6
45°	17458.6	17290.6	16540.1	13681.0	11483.0	11218.6	11257.9	11357.9	11826.1	11779.7
47.5°	19438.6	19342.1	18763.1	16454.4	13663.1	12408.7	12519.5	12565.9	13241.4	13405.8
50°	20961.1	20925.3	20407.1	18920.4	16511.5	14163.5	14202.8	14102.7	15114.1	15521.6
52.5°	22397.8	22519.3	22136.9	21211.2	19552.9	16461.5	16454.4	15982.6	17347.8	17962.5
55°	23695.1	23738.0	23777.3	23548.6	22612.2	19077.6	19009.7	18237.7	19938.9	20575.1
57.5°	24913.8	24931.7	25281.9	25750.1	25796.6	21886.7	21761.6	20836.0	22769.5	23223.4
60°	25732.3	25814.5	26554.3	27855.2	28423.4	24785.2	24717.3	23773.7	25650.1	25860.9
62.5°	24552.9	25053.2	26918.8	29499.2	30903.7	27998.1	27966.0	27079.6	28680.7	28509.2
65°	19874.6	20721.6	24002.5	30610.7	33337.6	31586.3	31632.8	30689.3	31793.6	31236.1
67.5°	13902.6	14796.0	18677.3	30700.0	36057.3	35800.0	36068.0	34588.4	35099.5	33848.6
70°	9613.9	10074.9	12601.7	28777.2	38176.7	41604.1	41596.9	39377.5	38387.5	35038.8
72.5°	6465.2	6704.7	8184.3	22830.2	36618.4	45052.9	44845.6	43037.2	39495.4	32769.3
75°	2726.9	2902.0	3788.4	12830.4	28970.2	41218.1	40657.0	38033.7	35092.4	25803.7
77.5°	864.9	939.9	1493.9	4592.5	15957.6	30982.4	30389.1	23752.3	23520.0	12944.8
80°	411.0	478.9	839.9	1844.1	6279.4	16851.1	16768.9	10775.4	10117.8	3495.3
82.5°	178.7	210.9	464.6	986.4	2809.1	6011.3	6132.9	3666.8	3034.3	1325.9
85°	57.2	75.1	214.4	453.9	1186.5	1493.9	1476.0	872.0	1222.3	721.9
87.5°	0.0	0.0	71.5	103.6	121.5	85.8	96.5	75.1	339.5	200.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955916

CATALOG NUMBER: GLAN-SB8D-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5736.1	0°	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1	5736.1
5807.6	2.5°	5764.7	5707.6	5607.5	5514.6	5432.4	5350.2	5300.1	5228.7	5221.5	5221.5
5900.5	5°	5804.1	5711.1	5532.4	5343.0	5125.0	4917.7	4710.4	4510.3	4446.0	4399.5
6050.7	7.5°	5918.4	5771.9	5489.5	5128.6	4714.0	4260.1	3942.0	3598.9	3466.7	3395.2
6250.8	10°	6082.8	5882.7	5453.8	4821.2	4149.3	3531.0	3077.1	2705.5	2562.5	2501.7
6468.8	12.5°	6265.1	6018.5	5389.5	4438.8	3531.0	2791.2	2348.1	2176.5	2155.1	2155.1
6729.7	15°	6483.1	6182.9	5278.7	3988.5	2884.2	2208.7	2051.4	2058.6	2080.0	2094.3
6983.4	17.5°	6708.3	6358.0	5103.6	3484.6	2312.3	1987.1	1990.7	2001.4	2019.3	2033.6
7258.6	20°	6951.3	6533.1	4871.3	2948.5	1983.5	1922.8	1933.5	1944.2	1958.5	1965.7
7516.0	22.5°	7212.2	6697.5	4596.1	2423.1	1872.7	1869.2	1872.7	1883.5	1901.3	1901.3
7816.2	25°	7490.9	6879.8	4281.6	2040.7	1815.6	1815.6	1822.7	1829.8	1844.1	1844.1
8105.7	27.5°	7776.9	7047.8	3949.2	1840.6	1765.5	1761.9	1761.9	1772.7	1779.8	1783.4
8391.6	30°	8091.4	7244.3	3616.8	1797.7	1726.2	1708.3	1697.6	1704.8	1711.9	1715.5
8691.8	32.5°	8413.0	7433.8	3320.2	1815.6	1686.9	1654.7	1619.0	1611.8	1611.8	1626.1
9002.7	35°	8770.4	7641.1	3091.4	1876.3	1665.4	1576.1	1518.9	1486.8	1490.3	1511.8
9374.4	37.5°	9199.3	7891.2	2923.5	1929.9	1651.2	1486.8	1393.8	1354.5	1329.5	1354.5
9885.5	40°	9760.4	8259.3	2802.0	1972.8	1633.3	1383.1	1258.0	1193.7	1147.2	1161.5
10678.9	42.5°	10586.0	8838.3	2755.5	1976.4	1594.0	1261.6	1118.6	1032.9	965.0	968.5
11872.6	45°	11743.9	9753.2	2994.9	1929.9	1508.2	1129.4	972.1	857.7	814.9	804.1
13656.0	47.5°	13330.7	11086.3	3548.9	1833.4	1383.1	1000.7	829.2	732.7	700.5	682.6
15996.9	50°	15457.2	12798.2	4163.6	1726.2	1258.0	879.2	711.2	650.5	629.0	611.1
18773.8	52.5°	17923.2	14535.2	4667.5	1619.0	1132.9	772.0	636.2	600.4	582.5	568.3
21454.3	55°	20185.5	15732.4	4639.0	1504.6	1011.4	686.2	582.5	561.1	539.7	525.4
23763.0	57.5°	21593.7	15900.4	3824.1	1379.5	872.0	618.3	532.5	518.2	493.2	475.3
25760.9	60°	22240.5	14942.6	2680.4	1215.1	732.7	554.0	478.9	471.8	439.6	414.6
27651.5	62.5°	22358.5	13162.8	1787.0	1011.4	611.1	493.2	425.3	414.6	371.7	328.8
29188.2	65°	21879.6	10618.1	1236.6	789.8	521.8	428.9	364.5	343.1	296.6	253.7
29552.8	67.5°	20364.2	7455.2	861.3	568.3	443.2	339.5	289.5	282.3	246.6	210.9
27694.3	70°	17587.3	4249.4	575.4	425.3	350.2	232.3	228.7	235.9	200.1	171.5
22626.5	72.5°	13484.4	1944.2	357.4	310.9	239.5	157.3	182.3	185.8	153.7	128.7
14117.0	75°	7937.7	832.7	225.2	200.1	121.5	103.6	132.2	135.8	103.6	82.2
5160.7	77.5°	2701.9	314.5	143.0	117.9	60.8	57.2	85.8	85.8	57.2	32.2
1036.4	80°	614.7	117.9	71.5	46.5	28.6	25.0	28.6	25.0	14.3	3.6
318.1	82.5°	175.1	46.5	28.6	17.9	10.7	10.7	3.6	0.0	0.0	0.0
110.8	85°	50.0	21.4	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0
39.3	87.5°	21.4	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°
5736.1
5239.4
4420.9
3406.0
2501.7
2155.1
2094.3
2033.6
1969.2
1908.5
1847.7
1787.0
1722.6
1636.9
1522.5
1347.4
1154.4
954.2
789.8
671.9
607.6
564.7
518.2
471.8
407.4
307.4
239.5
200.1
157.3
114.4
71.5
25.0
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