

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: P848927

Luminaire Tested: **GLAN-SB5D-722-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

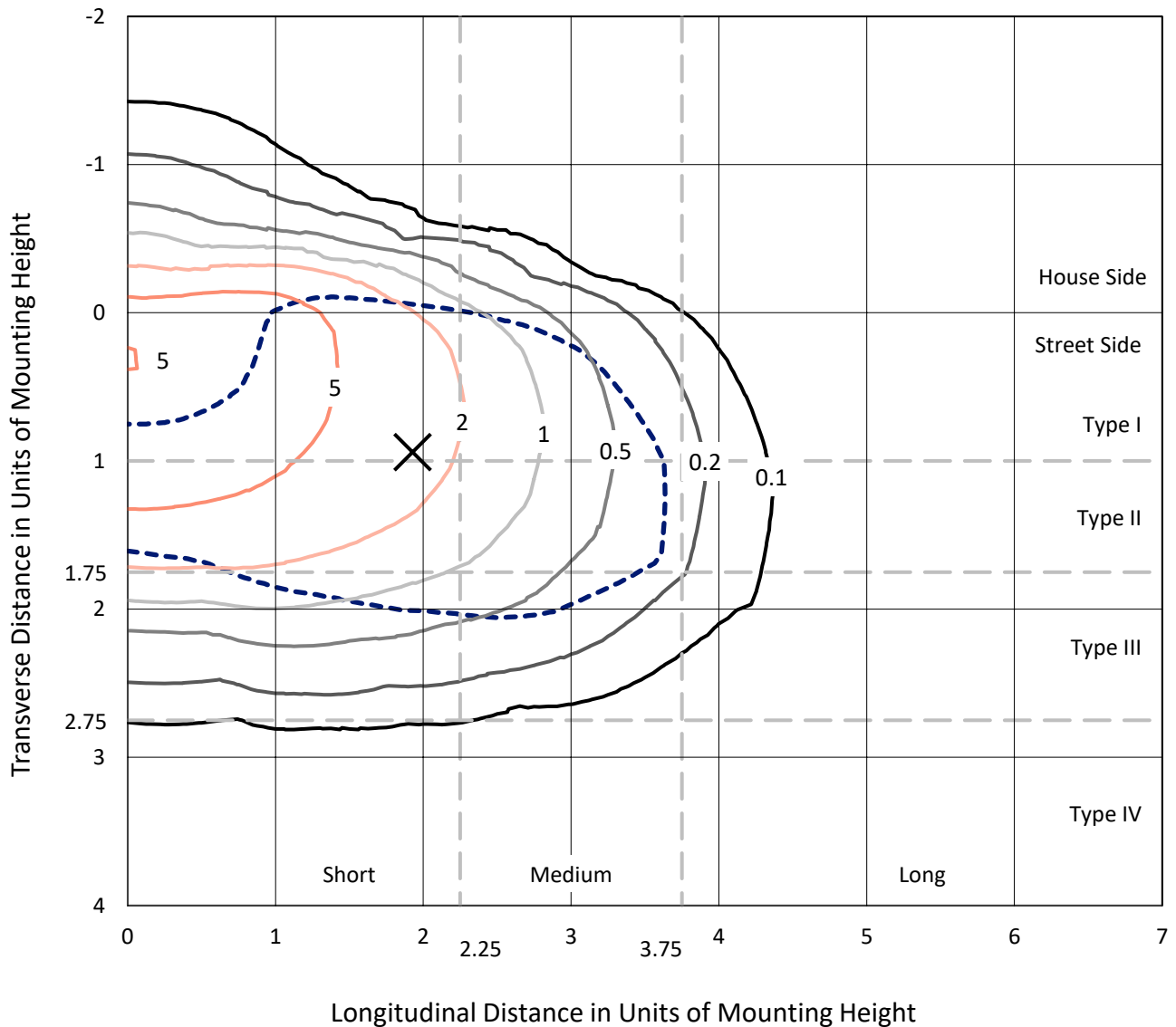
Lumens per Lamp: N/A  
Luminaire Lumens: 31525 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

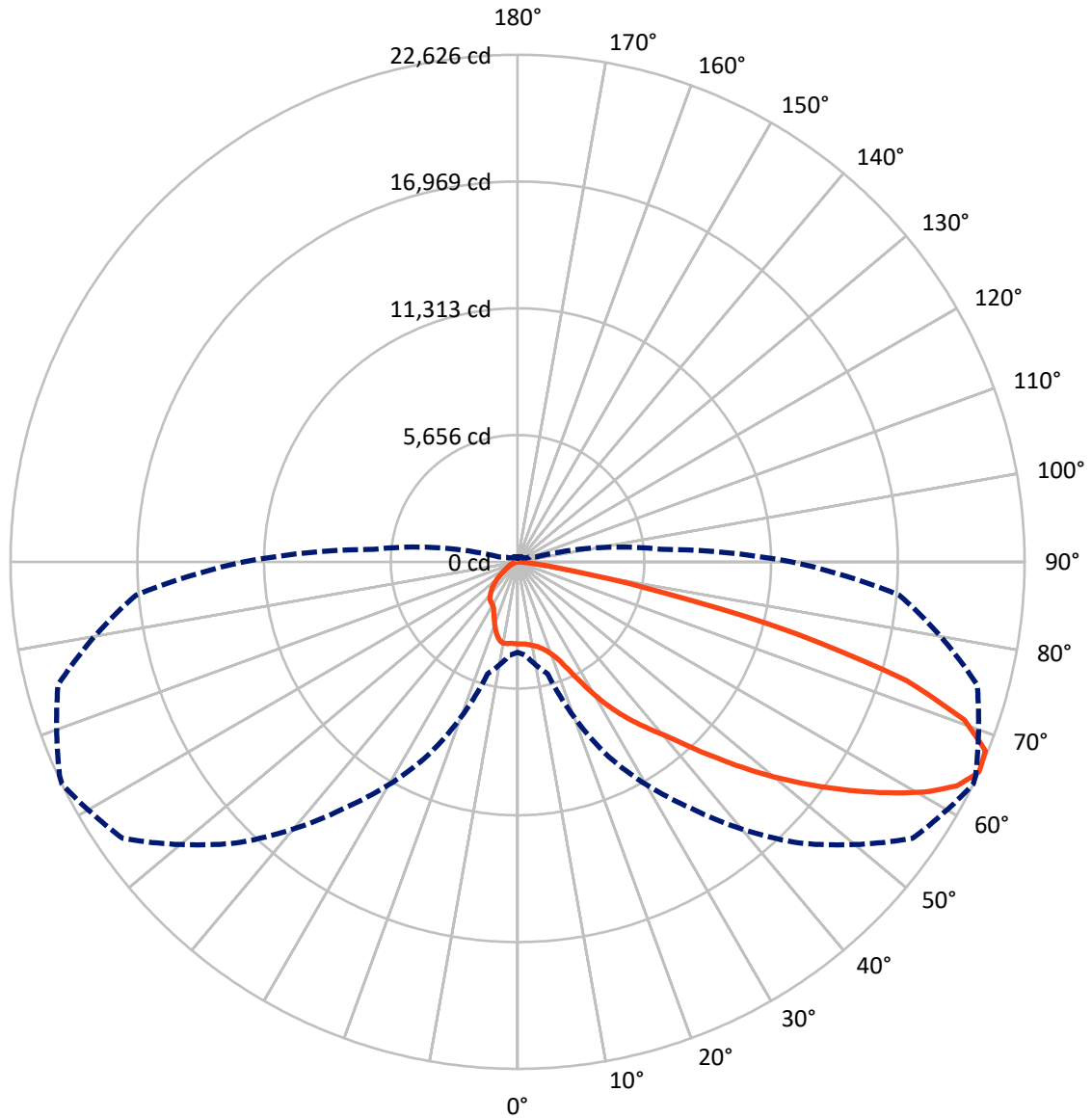
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4215.8	0.0	4215.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	27309.1	0.0	27309.1
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	31525.0	0.0	31525.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.3	1.1
10°-20°	917.5	2.9
20°-30°	1738.6	5.5
30°-40°	3518.2	11.2
40°-50°	5993.3	19.0
50°-60°	8150.4	25.9
60°-70°	7653.7	24.3
70°-80°	3066.4	9.7
80°-90°	148.6	0.5
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°	31525.0	100.0
0°-180°	31525.0	100.0

**Coefficient of Utilization**



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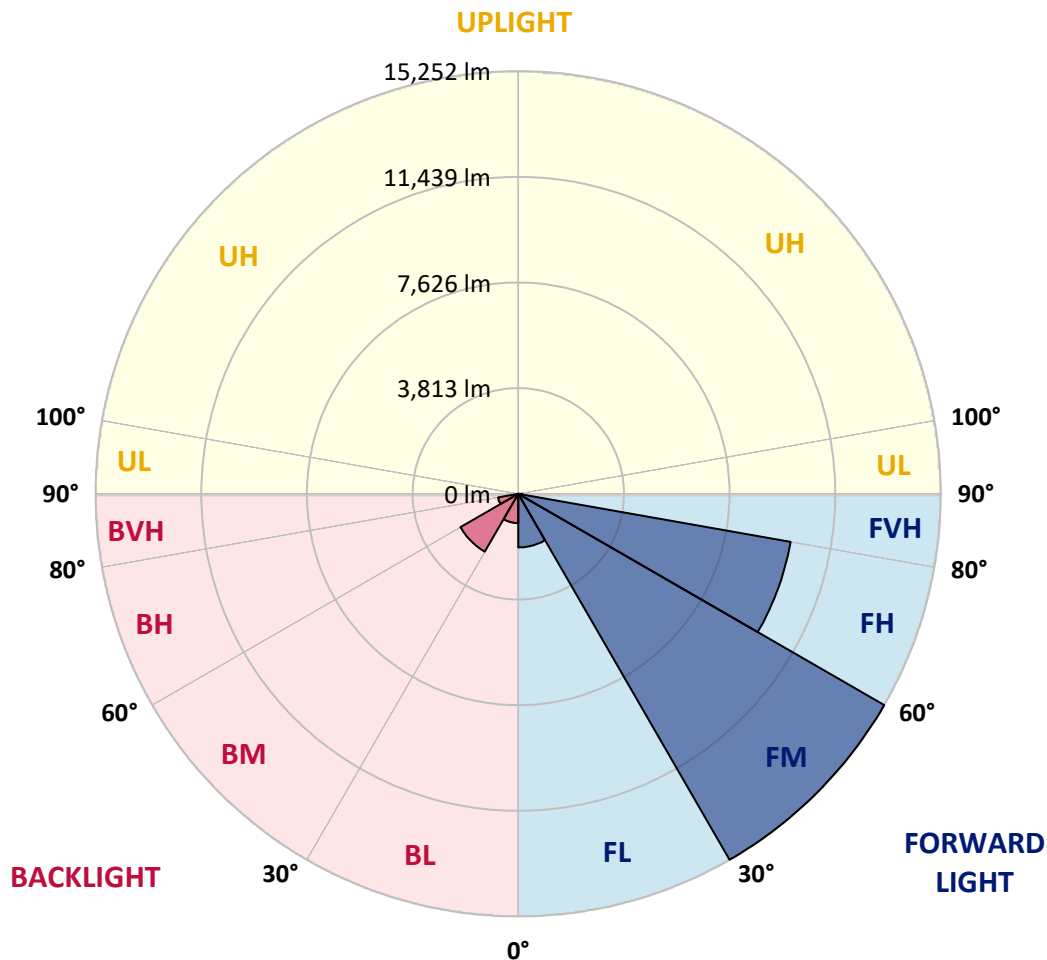
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1936.0	6.1			
FM (30°-60°)	15251.8	48.4			
FH (60°-80°)	9980.1	31.7			G4/12000
FVH (80°-90°)	141.3	0.4			G2/225
BL (0°-30°)	1058.5	3.4	B3/2500		
BM (30°-60°)	2410.2	7.6	B2/2500		
BH (60°-80°)	739.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.3	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-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7
2.5°	3654.0	3679.4	3673.0	3666.7	3664.6	3668.8	3670.9	3668.8	3668.8	3668.8
5°	3584.3	3605.4	3605.4	3620.2	3641.3	3666.7	3685.7	3689.9	3694.2	3700.5
7.5°	3451.1	3468.0	3480.7	3529.3	3582.2	3649.8	3706.8	3736.4	3740.7	3763.9
10°	3360.2	3381.4	3402.5	3453.2	3529.3	3630.8	3728.0	3799.8	3810.4	3865.3
12.5°	3356.0	3377.2	3404.6	3459.6	3548.3	3656.1	3774.5	3878.0	3897.0	3977.3
15°	3400.4	3425.8	3451.1	3518.7	3613.9	3744.9	3871.7	4000.6	4019.6	4133.7
17.5°	3491.3	3525.1	3544.1	3611.7	3713.2	3859.0	4026.0	4173.9	4190.8	4323.9
20°	3670.9	3711.1	3717.4	3772.4	3871.7	4028.1	4226.7	4410.6	4431.7	4583.9
22.5°	4042.9	4099.9	4049.2	4076.7	4165.4	4321.8	4537.4	4769.9	4799.4	4972.7
25°	4698.0	4778.3	4647.3	4600.8	4638.8	4801.6	5072.1	5365.8	5399.6	5539.1
27.5°	5985.0	5881.5	5682.8	5488.4	5374.3	5467.3	5771.6	6135.1	6177.4	6312.6
30°	7398.9	7308.0	7039.6	6608.5	6338.0	6323.2	6604.3	7010.0	7058.6	7187.5
32.5°	8814.8	8728.2	8436.5	7906.1	7436.9	7204.5	7398.9	7849.0	7874.4	7956.8
35°	10207.5	10118.8	9827.1	9284.0	8707.1	8178.7	8140.7	8647.9	8656.3	8743.0
37.5°	11608.7	11534.7	11224.1	10691.5	10123.0	9393.9	9041.0	9404.5	9415.0	9499.6
40°	12608.3	12640.0	12426.6	12014.5	11526.3	10729.5	10051.2	10209.7	10146.3	10287.9
42.5°	13466.3	13529.8	13343.8	13136.7	12853.5	12151.8	11302.3	11274.8	11173.4	11249.4
45°	14208.1	14261.0	14094.0	14045.4	14039.1	13546.7	12669.6	12504.8	12363.2	12348.4
47.5°	14480.8	14582.2	14654.1	14816.8	15133.8	14926.7	14083.5	13827.7	13669.2	13553.0
50°	14584.3	14692.1	14937.2	15410.6	16160.9	16249.6	15491.0	15203.5	15009.1	14797.8
52.5°	14444.8	14637.2	14966.8	15763.6	16852.0	17310.6	16841.4	16589.9	16368.0	16023.5
55°	13622.7	13815.1	14489.2	15759.3	17196.4	18054.5	18117.9	18005.9	17756.5	17213.3
57.5°	11889.8	12175.1	13242.3	15222.6	17190.1	18694.8	19369.0	19449.3	19170.3	18392.6
60°	9489.0	9875.7	11177.6	14032.7	16659.6	19041.4	20465.8	20867.3	20571.5	19554.9
62.5°	6621.2	7069.2	8301.3	12168.7	15446.6	18792.0	21266.8	22008.6	21784.5	20594.7
65°	4038.6	4182.3	5175.6	9575.6	13383.9	17748.0	21514.0	22625.7	22551.7	21230.8
67.5°	2690.3	2810.8	3096.1	6566.2	10389.3	15662.1	20922.3	22517.9	22539.0	21127.3
70°	1620.9	1724.5	1910.5	3818.8	6733.2	12397.0	19090.0	21144.2	21266.8	19743.0
72.5°	667.8	737.6	906.6	1730.8	3487.0	7868.1	15201.4	18153.8	18439.1	16600.5
75°	378.3	414.2	532.6	868.6	1513.2	3666.7	9207.9	12887.3	13307.8	11441.7
77.5°	251.5	268.4	344.5	562.2	851.7	1251.1	3935.1	6714.2	7517.2	6249.2
80°	169.1	183.9	236.7	376.2	553.7	536.8	1253.2	2487.4	3060.1	2147.2
82.5°	114.1	116.2	169.1	247.3	350.8	259.9	369.8	773.5	972.1	621.3
85°	65.5	63.4	124.7	143.7	156.4	107.8	112.0	232.5	304.3	262.1
87.5°	8.5	12.7	48.6	38.0	21.1	23.2	23.2	40.2	59.2	63.4
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°
3666.7	0°	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7
3670.9	2.5°	3670.9	3668.8	3662.5	3656.1	3641.3	3632.9	3637.1	3632.9	3630.8	3632.9
3698.4	5°	3698.4	3692.0	3675.1	3654.0	3624.4	3588.5	3565.2	3531.4	3499.7	3480.7
3772.4	7.5°	3772.4	3766.0	3742.8	3683.6	3588.5	3438.4	3301.1	3180.6	3089.7	3036.9
3890.7	10°	3890.7	3880.1	3844.2	3713.2	3463.8	3136.2	2863.6	2637.5	2489.5	2419.8
4030.2	12.5°	4030.2	4017.5	3954.1	3685.7	3227.1	2715.7	2339.5	2088.0	1950.6	1889.3
4190.8	15°	4195.0	4178.1	4053.4	3554.7	2882.6	2250.7	1906.3	1718.2	1629.4	1574.5
4395.8	17.5°	4400.0	4370.4	4127.4	3358.1	2508.6	1895.7	1640.0	1498.4	1420.2	1367.3
4664.2	20°	4666.3	4617.7	4186.6	3123.6	2164.1	1671.7	1460.3	1342.0	1282.8	1236.3
5044.6	22.5°	5038.3	4968.5	4258.4	2869.9	1921.0	1517.4	1327.2	1240.5	1191.9	1139.1
5575.1	25°	5499.0	5416.5	4347.2	2635.4	1754.1	1384.3	1230.0	1158.1	1101.1	1039.8
6270.3	27.5°	6143.5	5995.6	4452.9	2443.0	1610.4	1270.1	1141.2	1060.9	995.4	944.7
7058.6	30°	6862.1	6619.1	4545.8	2326.8	1479.4	1164.5	1025.0	944.7	883.4	847.5
7766.6	32.5°	7542.6	7212.9	4607.1	2276.1	1361.0	1044.0	898.2	811.5	765.0	754.5
8459.8	35°	8185.1	7749.7	4600.8	2227.5	1255.3	923.5	773.5	684.7	648.8	655.1
9205.8	37.5°	8924.7	8322.4	4556.4	2151.4	1168.7	813.6	665.7	587.5	555.8	557.9
10112.4	40°	9784.9	8983.9	4528.9	2007.7	1073.6	712.2	576.9	513.5	490.3	481.8
11067.7	42.5°	10702.1	9624.3	4533.2	1845.0	955.2	621.3	515.7	462.8	441.7	435.4
12130.7	45°	11623.5	10235.0	4539.5	1675.9	830.6	551.6	471.3	426.9	414.2	405.8
13208.5	47.5°	12490.0	10754.9	4421.2	1494.1	708.0	498.8	435.4	405.8	395.2	384.6
14290.6	50°	13297.3	11101.5	4135.9	1282.8	610.8	456.5	407.9	386.7	376.2	365.6
15271.2	52.5°	13924.9	11156.4	3664.6	1065.1	543.1	424.8	391.0	372.0	359.3	348.7
16063.7	55°	14203.9	10812.0	2994.6	862.3	490.3	397.3	374.1	355.0	340.3	329.7
16687.1	57.5°	14132.1	10087.1	2335.3	693.2	439.6	369.8	352.9	340.3	323.3	306.4
17192.2	60°	13779.1	9117.0	1760.4	576.9	393.1	340.3	329.7	319.1	295.9	270.5
17386.6	62.5°	13168.4	7897.6	1255.3	477.6	342.4	306.4	302.2	293.8	259.9	213.4
17099.2	65°	12234.3	6416.2	845.3	397.3	293.8	268.4	270.5	255.7	211.3	158.5
16046.8	67.5°	10869.0	4691.7	541.0	325.5	245.2	224.0	226.1	217.7	179.6	135.3
14051.8	70°	9129.7	3106.6	352.9	247.3	196.5	173.3	186.0	188.1	152.2	109.9
10784.5	72.5°	6693.0	1834.4	247.3	183.9	143.7	120.5	152.2	156.4	122.6	82.4
6488.0	75°	3814.6	870.7	186.0	133.1	88.8	84.5	118.3	118.3	84.5	54.9
2808.7	77.5°	1601.9	363.5	131.0	86.6	50.7	48.6	80.3	74.0	42.3	25.4
684.7	80°	462.8	162.7	69.7	42.3	21.1	19.0	31.7	23.2	10.6	4.2
259.9	82.5°	181.7	71.9	27.5	16.9	8.5	8.5	4.2	0.0	0.0	0.0
147.9	85°	107.8	29.6	12.7	6.3	2.1	0.0	0.0	0.0	0.0	0.0
31.7	87.5°	27.5	6.3	4.2	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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3666.7
3641.3
3484.9
3039.0
2413.5
1883.0
1576.6
1363.1
1227.9
1130.6
1033.4
934.1
841.1
760.8
655.1
566.4
479.7
433.2
405.8
384.6
365.6
346.6
327.6
304.3
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