

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: P849507

Luminaire Tested: **GLAN-SB6C-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849507  
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-SB6C-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA 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: 28398 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

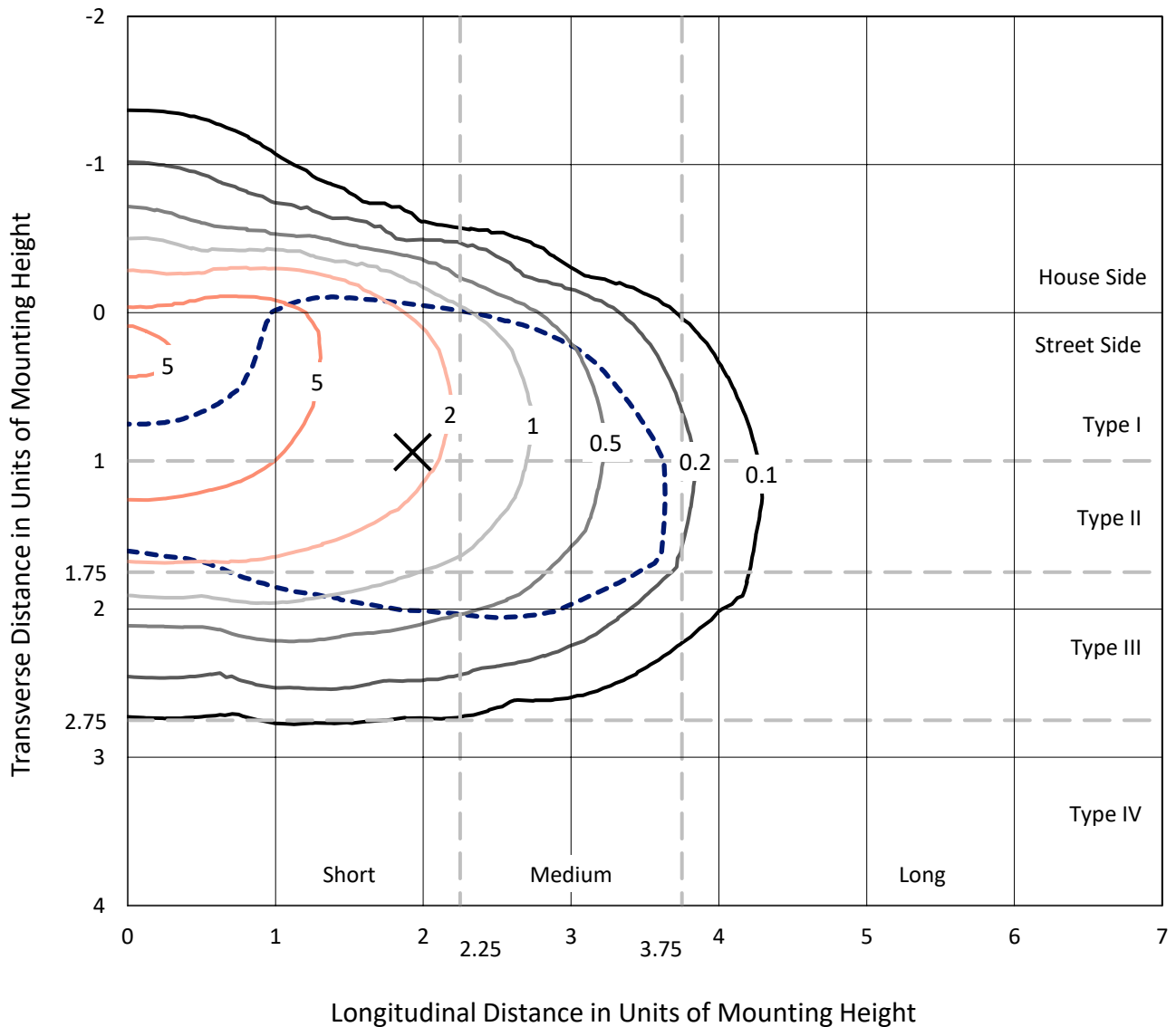
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

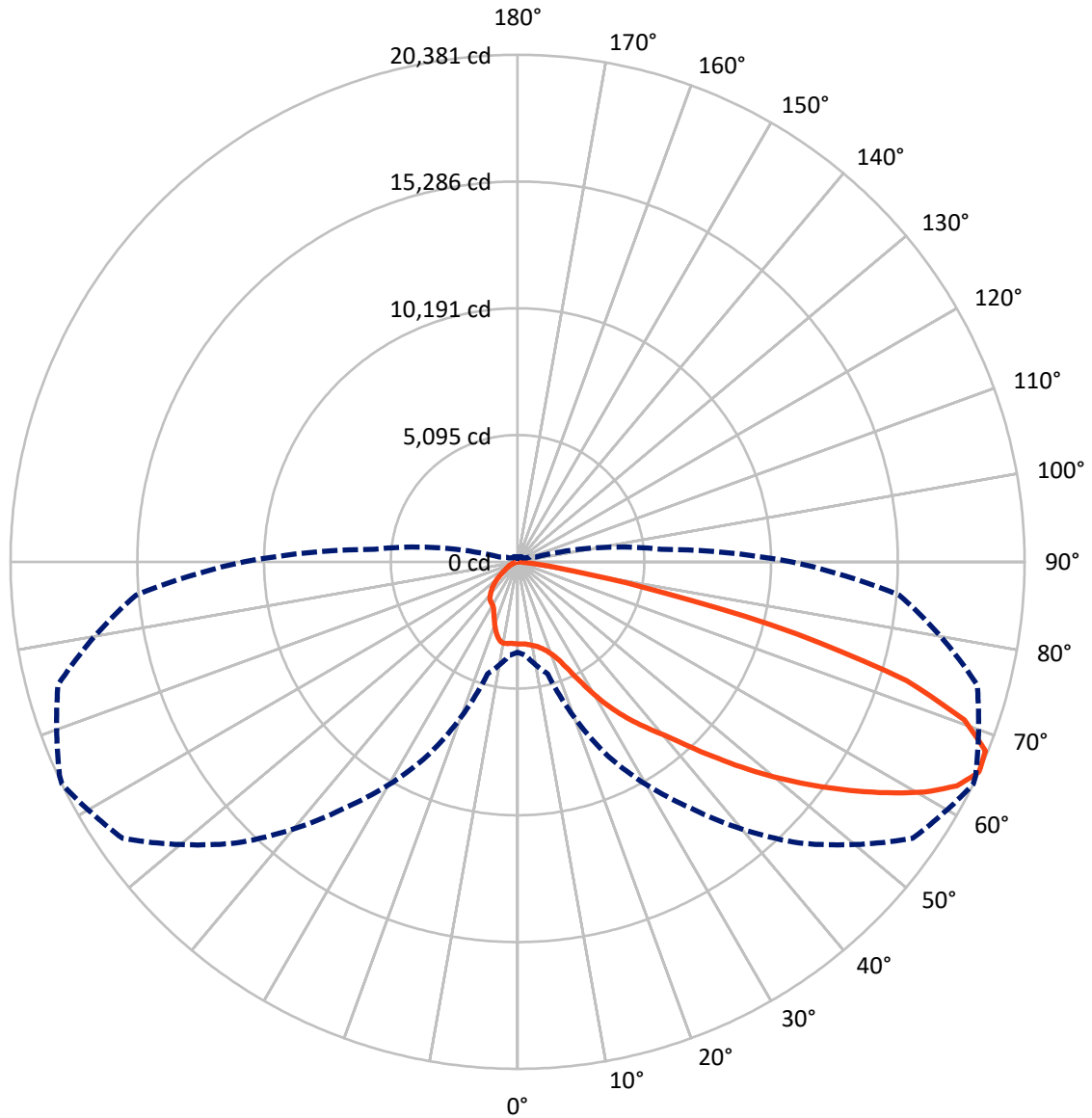
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	3797.7	0.0	3797.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	24600.3	0.0	24600.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	28398.0	0.0	28398.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.7	1.1
10°-20°	826.5	2.9
20°-30°	1566.2	5.5
30°-40°	3169.2	11.2
40°-50°	5398.8	19.0
50°-60°	7342.0	25.9
60°-70°	6894.5	24.3
70°-80°	2762.2	9.7
80°-90°	133.8	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°	28398.0	100.0
0°-180°	28398.0	100.0

**Coefficient of Utilization**



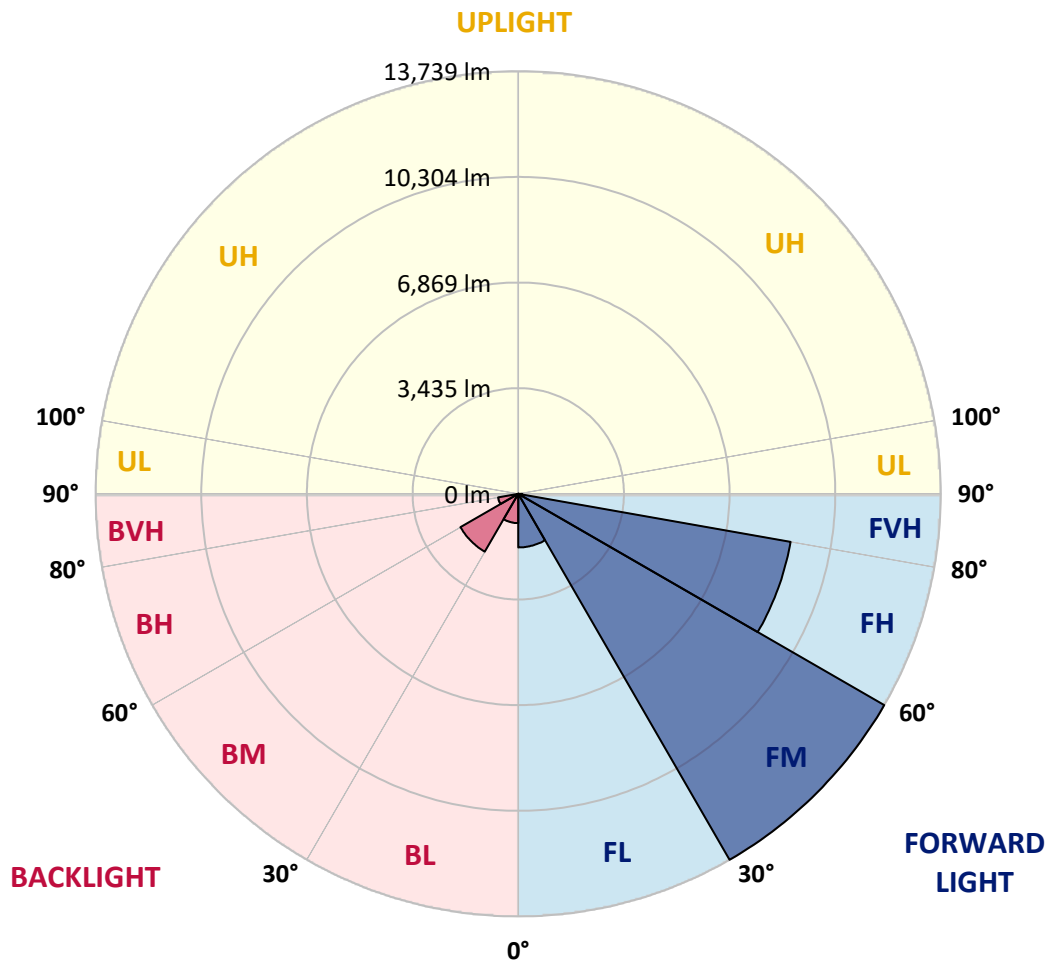
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1744.0	6.1			
FM (30°-60°)	13738.9	48.4			
FH (60°-80°)	8990.2	31.7			G4/12000
FVH (80°-90°)	127.3	0.4			G2/225
BL (0°-30°)	953.5	3.4	B2/1000		
BM (30°-60°)	2171.1	7.6	B2/2500		
BH (60°-80°)	666.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0
2.5°	3291.6	3314.4	3308.7	3303.0	3301.1	3304.9	3306.8	3304.9	3304.9	3304.9
5°	3228.7	3247.8	3247.8	3261.1	3280.1	3303.0	3320.1	3323.9	3327.7	3333.4
7.5°	3108.8	3124.0	3135.5	3179.2	3226.8	3287.8	3339.2	3365.8	3369.6	3390.6
10°	3026.9	3046.0	3065.0	3110.7	3179.2	3270.6	3358.2	3422.9	3432.4	3481.9
12.5°	3023.1	3042.2	3066.9	3116.4	3196.4	3293.5	3400.1	3493.4	3510.5	3582.8
15°	3063.1	3086.0	3108.8	3169.7	3255.4	3373.4	3487.6	3603.8	3620.9	3723.7
17.5°	3145.0	3175.4	3192.6	3253.5	3344.9	3476.2	3626.6	3759.9	3775.1	3895.0
20°	3306.8	3343.0	3348.7	3398.2	3487.6	3628.5	3807.5	3973.1	3992.1	4129.2
22.5°	3641.8	3693.2	3647.6	3672.3	3752.3	3893.1	4087.3	4296.7	4323.4	4479.5
25°	4232.0	4304.3	4186.3	4144.4	4178.7	4325.3	4569.0	4833.6	4864.0	4989.7
27.5°	5391.4	5298.1	5119.1	4944.0	4841.2	4925.0	5199.1	5526.5	5564.6	5686.5
30°	6665.0	6583.1	6341.3	5953.0	5709.3	5696.0	5949.2	6314.7	6358.5	6474.6
32.5°	7940.5	7862.4	7599.7	7121.9	6699.2	6489.8	6665.0	7070.5	7093.3	7167.6
35°	9195.0	9115.1	8852.4	8363.1	7843.4	7367.5	7333.2	7790.1	7797.7	7875.8
37.5°	10457.2	10390.6	10110.7	9631.0	9118.9	8462.1	8144.2	8471.6	8481.1	8557.3
40°	11357.7	11386.2	11194.0	10822.7	10383.0	9665.3	9054.2	9196.9	9139.8	9267.4
42.5°	12130.6	12187.7	12020.2	11833.6	11578.5	10946.5	10181.2	10156.4	10065.1	10133.6
45°	12798.8	12846.4	12696.0	12652.2	12646.5	12202.9	11412.9	11264.4	11136.9	11123.5
47.5°	13044.4	13135.8	13200.5	13347.1	13632.7	13446.1	12686.5	12456.1	12313.4	12208.7
50°	13137.7	13234.8	13455.6	13882.0	14557.9	14637.8	13954.4	13695.5	13520.3	13330.0
52.5°	13012.0	13185.3	13482.3	14200.0	15180.4	15593.5	15170.9	14944.3	14744.4	14434.1
55°	12271.5	12444.7	13052.0	14196.2	15490.7	16263.6	16320.7	16219.8	15995.2	15505.9
57.5°	10710.4	10967.4	11928.8	13712.6	15485.0	16840.5	17447.7	17520.1	17268.8	16568.2
60°	8547.8	8896.2	10068.9	12640.8	15007.2	17152.7	18435.8	18797.5	18531.0	17615.3
62.5°	5964.4	6368.0	7477.9	10961.7	13914.4	16928.0	19157.3	19825.5	19623.7	18551.9
65°	3638.0	3767.5	4662.2	8625.8	12056.4	15987.6	19380.0	20381.4	20314.8	19124.9
67.5°	2423.5	2532.0	2789.0	5914.9	9358.8	14108.6	18847.0	20284.3	20303.3	19031.7
70°	1460.2	1553.4	1721.0	3440.1	6065.3	11167.3	17196.4	19046.9	19157.3	17784.7
72.5°	601.6	664.4	816.7	1559.2	3141.2	7087.6	13693.6	16353.1	16610.1	14953.8
75°	340.8	373.1	479.7	782.4	1363.1	3303.0	8294.6	11609.0	11987.8	10306.8
77.5°	226.5	241.8	310.3	506.4	767.2	1127.0	3544.8	6048.2	6771.6	5629.3
80°	152.3	165.6	213.2	338.9	498.8	483.5	1128.9	2240.7	2756.6	1934.2
82.5°	102.8	104.7	152.3	222.7	316.0	234.2	333.2	696.8	875.7	559.7
85°	59.0	57.1	112.3	129.5	140.9	97.1	100.9	209.4	274.1	236.1
87.5°	7.6	11.4	43.8	34.3	19.0	20.9	20.9	36.2	53.3	57.1
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°
3303.0	0°	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0	3303.0
3306.8	2.5°	3306.8	3304.9	3299.2	3293.5	3280.1	3272.5	3276.3	3272.5	3270.6	3272.5
3331.5	5°	3331.5	3325.8	3310.6	3291.6	3264.9	3232.5	3211.6	3181.1	3152.6	3135.5
3398.2	7.5°	3398.2	3392.5	3371.5	3318.2	3232.5	3097.4	2973.6	2865.1	2783.3	2735.7
3504.8	10°	3504.8	3495.3	3462.9	3344.9	3120.2	2825.1	2579.6	2375.9	2242.6	2179.8
3630.4	12.5°	3630.4	3619.0	3561.9	3320.1	2907.0	2446.3	2107.4	1880.9	1757.1	1701.9
3775.1	15°	3778.9	3763.7	3651.4	3202.1	2596.7	2027.5	1717.2	1547.7	1467.8	1418.3
3959.8	17.5°	3963.6	3936.9	3718.0	3025.0	2259.7	1707.7	1477.3	1349.7	1279.3	1231.7
4201.5	20°	4203.4	4159.7	3771.3	2813.7	1949.4	1505.9	1315.5	1208.9	1155.6	1113.7
4544.2	22.5°	4538.5	4475.7	3836.0	2585.3	1730.5	1366.9	1195.5	1117.5	1073.7	1026.1
5022.1	25°	4953.5	4879.3	3916.0	2374.0	1580.1	1246.9	1108.0	1043.2	991.8	936.6
5648.4	27.5°	5534.2	5400.9	4011.2	2200.7	1450.6	1144.1	1028.0	955.7	896.7	851.0
6358.5	30°	6181.4	5962.5	4094.9	2096.0	1332.6	1049.0	923.3	851.0	795.8	763.4
6996.2	32.5°	6794.4	6497.5	4150.1	2050.3	1226.0	940.4	809.1	731.0	689.2	679.6
7620.7	35°	7373.2	6981.0	4144.4	2006.5	1130.8	831.9	696.8	616.8	584.4	590.2
8292.7	37.5°	8039.5	7496.9	4104.5	1938.0	1052.8	732.9	599.7	529.2	500.7	502.6
9109.4	40°	8814.3	8092.8	4079.7	1808.5	967.1	641.6	519.7	462.6	441.7	434.1
9969.9	42.5°	9640.5	8669.6	4083.5	1662.0	860.5	559.7	464.5	416.9	397.9	392.2
10927.4	45°	10470.5	9219.8	4089.2	1509.7	748.2	496.9	424.5	384.6	373.1	365.5
11898.4	47.5°	11251.1	9688.1	3982.6	1345.9	637.8	449.3	392.2	365.5	356.0	346.5
12873.1	50°	11978.3	10000.3	3725.6	1155.6	550.2	411.2	367.4	348.4	338.9	329.3
13756.4	52.5°	12543.7	10049.8	3301.1	959.5	489.3	382.7	352.2	335.1	323.6	314.1
14470.3	55°	12795.0	9739.5	2697.6	776.7	441.7	357.9	337.0	319.8	306.5	297.0
15031.9	57.5°	12730.3	9086.5	2103.6	624.4	396.0	333.2	317.9	306.5	291.3	276.0
15486.9	60°	12412.4	8212.7	1585.8	519.7	354.1	306.5	297.0	287.5	266.5	243.7
15662.0	62.5°	11862.2	7114.3	1130.8	430.2	308.4	276.0	272.2	264.6	234.2	192.3
15403.1	65°	11020.7	5779.7	761.5	357.9	264.6	241.8	243.7	230.4	190.4	142.8
14455.1	67.5°	9790.9	4226.3	487.4	293.2	220.8	201.8	203.7	196.1	161.8	121.8
12657.9	70°	8224.1	2798.5	317.9	222.7	177.0	156.1	167.5	169.4	137.1	99.0
9714.8	72.5°	6029.1	1652.4	222.7	165.6	129.5	108.5	137.1	140.9	110.4	74.2
5844.5	75°	3436.2	784.3	167.5	119.9	80.0	76.1	106.6	106.6	76.1	49.5
2530.1	77.5°	1443.0	327.4	118.0	78.1	45.7	43.8	72.3	66.6	38.1	22.8
616.8	80°	416.9	146.6	62.8	38.1	19.0	17.1	28.6	20.9	9.5	3.8
234.2	82.5°	163.7	64.7	24.7	15.2	7.6	7.6	3.8	0.0	0.0	0.0
133.3	85°	97.1	26.7	11.4	5.7	1.9	0.0	0.0	0.0	0.0	0.0
28.6	87.5°	24.7	5.7	3.8	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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3303.0
3280.1
3139.3
2737.6
2174.1
1696.2
1420.2
1227.9
1106.1
1018.5
930.9
841.5
757.7
685.3
590.2
510.2
432.1
390.3
365.5
346.5
329.3
312.2
295.1
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