

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: P849165

Luminaire Tested: **GLAN-SB6A-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849165  
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-SB6A-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA 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: 15837 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

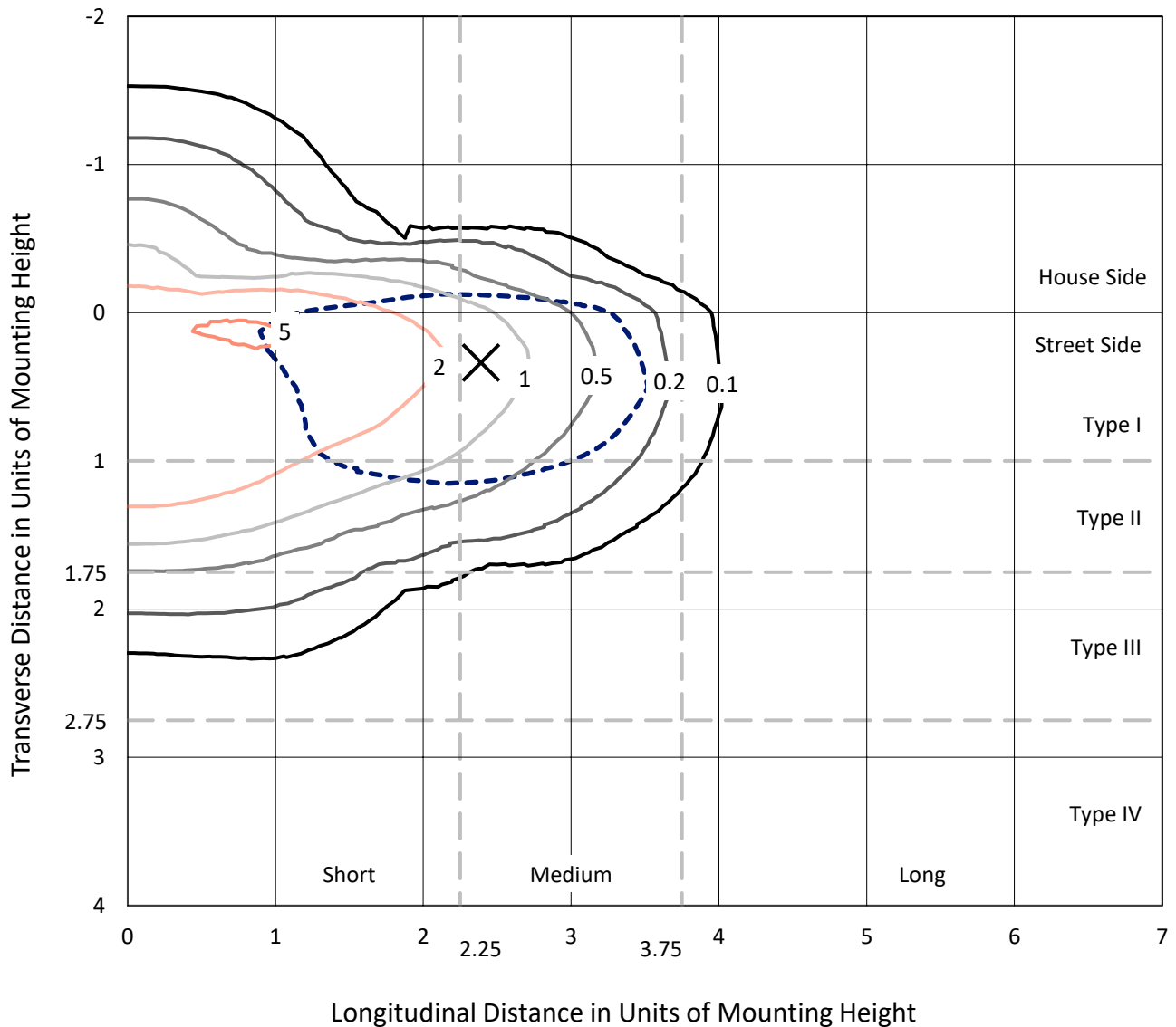
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

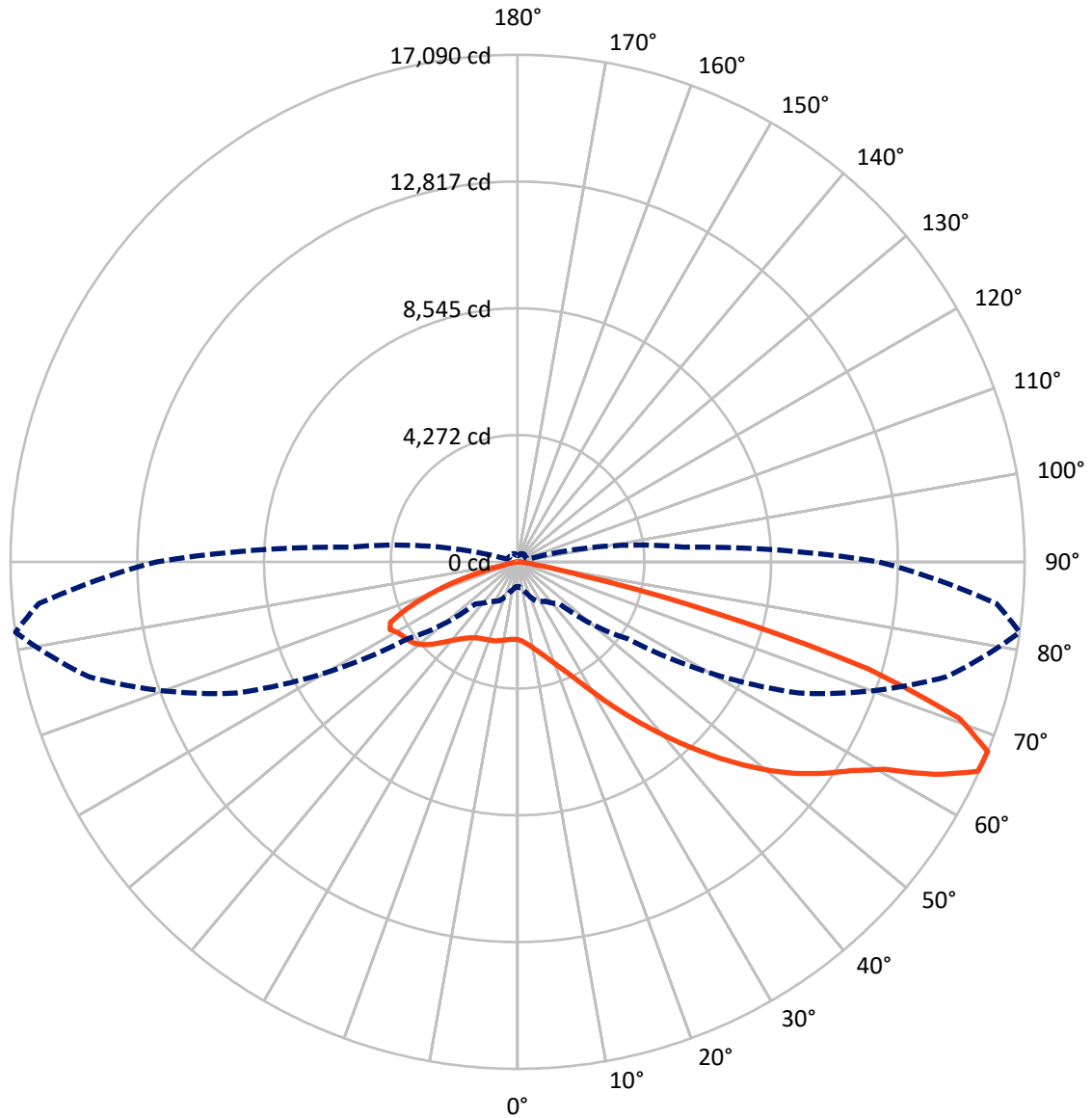
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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
<b>House Side</b>	Lumens	2868.7	0.0	2868.7
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	12968.3	0.0	12968.3
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	15837.0	0.0	15837.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.7	1.5
10°-20°	607.4	3.8
20°-30°	972.9	6.1
30°-40°	1720.4	10.9
40°-50°	3014.2	19.0
50°-60°	4020.2	25.4
60°-70°	3742.6	23.6
70°-80°	1436.4	9.1
80°-90°	89.2	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°	15837.0	100.0
0°-180°	15837.0	100.0

**Coefficient of Utilization**

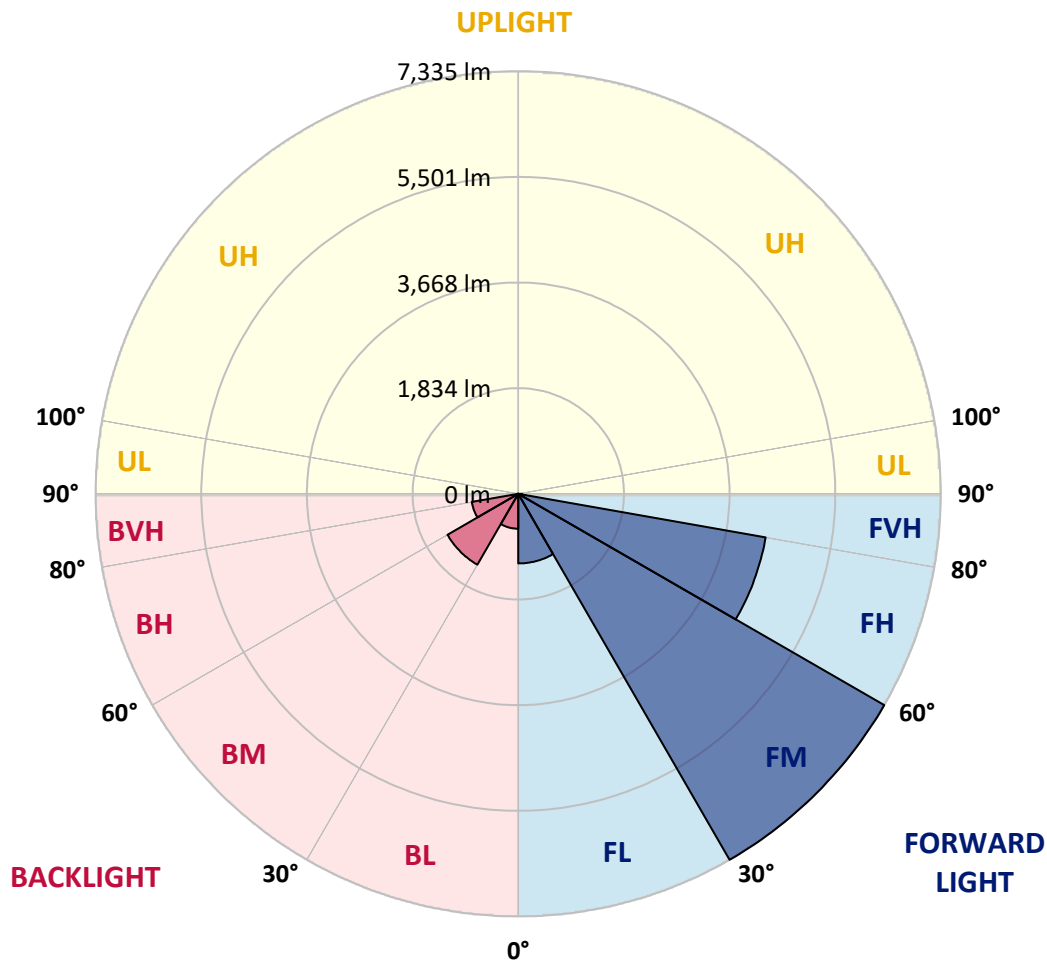


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1208.2	7.6			
FM (30°-60°)	7335.1	46.3			
FH (60°-80°)	4360.2	27.5			G2/5000
FVH (80°-90°)	64.9	0.4			G1/100
BL (0°-30°)	605.9	3.8	B2/1000		
BM (30°-60°)	1419.7	9.0	B2/2500		
BH (60°-80°)	818.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	24.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7
2.5°	2773.0	2789.0	2779.9	2775.3	2767.3	2755.9	2746.8	2718.3	2688.6	2669.3
5°	2828.9	2844.9	2843.7	2848.3	2854.0	2857.4	2855.1	2823.2	2781.0	2747.9
7.5°	2781.0	2799.2	2814.1	2836.9	2876.8	2919.0	2939.5	2932.7	2889.3	2843.7
10°	2645.3	2664.7	2700.0	2753.6	2838.0	2929.2	3005.6	3041.0	3013.6	2963.4
12.5°	2396.8	2416.1	2485.7	2602.0	2743.4	2901.9	3047.8	3142.5	3149.3	3099.1
15°	2117.4	2136.8	2210.9	2356.8	2572.3	2826.6	3070.6	3249.6	3310.1	3266.7
17.5°	1944.1	1961.2	2017.1	2134.5	2359.1	2676.1	3062.6	3363.7	3501.6	3467.4
20°	1891.6	1906.5	1932.7	2014.8	2201.8	2519.9	3010.2	3470.8	3708.0	3688.6
22.5°	1947.5	1961.2	1969.2	2005.7	2123.1	2417.3	2944.1	3580.3	3947.5	3949.7
25°	2076.3	2090.0	2080.9	2103.7	2155.0	2385.3	2919.0	3709.1	4248.5	4273.6
27.5°	2288.4	2289.6	2267.9	2266.8	2274.7	2433.2	2945.2	3847.1	4628.2	4674.9
30°	2713.7	2696.6	2613.4	2523.3	2482.3	2576.9	3018.2	4010.2	5076.3	5159.5
32.5°	3369.4	3344.3	3191.5	2976.0	2759.3	2808.4	3149.3	4196.0	5564.3	5714.8
35°	4080.9	4074.0	3914.4	3594.0	3215.4	3137.9	3362.5	4440.0	6096.8	6336.2
37.5°	4742.2	4738.8	4647.6	4270.1	3809.5	3597.4	3704.6	4759.3	6666.9	7013.5
40°	5346.5	5356.8	5265.6	4928.0	4464.0	4186.9	4169.8	5153.8	7300.9	7751.2
42.5°	5868.7	5880.1	5787.8	5538.1	5110.5	4839.1	4741.1	5637.3	7920.0	8543.7
45°	6223.3	6294.0	6280.4	6080.8	5774.1	5492.5	5427.5	6243.9	8625.8	9384.0
47.5°	6323.7	6388.7	6491.3	6518.7	6331.7	6054.6	6132.1	6974.7	9339.6	10225.5
50°	6076.3	6136.7	6349.9	6633.8	6763.8	6678.3	6817.4	7758.1	10070.5	11064.7
52.5°	5588.2	5649.8	5918.9	6368.1	6898.4	7167.4	7505.0	8530.0	10778.5	11859.5
55°	4882.4	4947.4	5292.9	5801.5	6641.8	7369.3	8078.5	9300.8	11427.3	12574.4
57.5°	3922.4	3970.3	4329.4	5040.9	5996.4	7168.6	8501.5	10142.3	12038.5	13276.8
60°	2556.4	2598.6	3015.9	3809.5	4926.9	6498.1	8585.9	11080.7	12850.3	14190.1
62.5°	1700.1	1728.6	1976.0	2558.7	3469.7	5210.8	8092.2	11829.8	14040.7	15779.6
65°	1166.4	1195.0	1442.4	1848.3	2241.7	3446.9	6672.6	11730.6	15119.4	17041.8
67.5°	832.4	856.3	1066.1	1449.2	1622.5	2002.2	4523.3	10462.7	14964.3	17089.7
70°	596.3	610.0	783.3	1128.8	1289.6	1202.9	2515.3	8002.1	13102.3	15780.7
72.5°	417.3	421.9	543.9	859.7	1038.7	878.0	1197.2	5335.1	9909.7	12386.3
75°	282.8	288.5	366.0	630.5	833.5	670.5	634.0	2860.8	5817.4	6856.2
77.5°	173.3	175.6	236.0	431.0	623.7	510.8	408.2	1212.1	2250.8	2209.8
80°	98.1	98.1	150.5	268.0	425.3	329.5	286.2	515.4	712.6	626.0
82.5°	54.7	55.9	109.5	166.5	281.6	195.0	157.4	238.3	307.9	272.5
85°	22.8	25.1	67.3	78.7	134.5	96.9	63.9	100.3	114.0	101.5
87.5°	2.3	3.4	20.5	14.8	16.0	19.4	9.1	19.4	16.0	16.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2623.7	0°	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7	2623.7
2662.4	2.5°	2640.8	2623.7	2580.3	2530.2	2464.0	2432.1	2388.8	2359.1	2334.0	2336.3
2728.6	5°	2692.1	2648.7	2551.8	2431.0	2280.4	2173.3	2059.2	1980.6	1916.7	1903.0
2819.8	7.5°	2762.8	2694.3	2524.5	2306.7	2052.4	1859.7	1687.5	1576.9	1498.3	1473.2
2930.4	10°	2854.0	2754.8	2489.1	2150.5	1784.5	1539.3	1354.6	1267.9	1214.3	1196.1
3060.4	12.5°	2960.0	2824.3	2442.4	1960.0	1508.5	1272.5	1155.0	1111.7	1094.6	1088.9
3220.0	15°	3093.4	2911.0	2371.7	1734.3	1274.8	1109.4	1059.3	1053.6	1055.8	1053.6
3411.5	17.5°	3251.9	3005.6	2256.5	1501.7	1117.4	1026.2	1008.0	1012.5	1018.2	1017.1
3625.9	20°	3425.2	3099.1	2109.4	1295.3	1010.2	966.9	956.6	961.2	965.8	963.5
3873.3	22.5°	3622.5	3199.5	1946.4	1134.5	938.4	912.2	900.8	901.9	901.9	897.4
4186.9	25°	3858.5	3310.1	1775.3	1020.5	883.7	863.1	849.5	844.9	838.1	824.4
4567.7	27.5°	4140.2	3427.5	1611.1	940.7	840.3	821.0	805.0	793.6	776.5	753.7
5025.0	30°	4457.1	3570.0	1472.0	890.5	806.1	786.8	768.5	751.4	726.3	697.8
5550.6	32.5°	4830.0	3722.8	1370.5	857.4	775.4	754.8	733.2	712.6	685.3	656.8
6141.2	35°	5274.7	3907.5	1311.3	834.6	751.4	724.0	700.1	677.3	656.8	631.7
6783.2	37.5°	5757.0	4103.7	1293.0	823.2	735.4	693.3	665.9	649.9	647.6	632.8
7477.6	40°	6284.9	4336.3	1306.7	816.4	718.3	663.6	634.0	630.5	636.2	610.0
8219.9	42.5°	6843.6	4612.2	1329.5	808.4	694.4	634.0	605.5	605.5	600.9	564.4
9004.3	45°	7447.9	4930.3	1352.3	789.0	665.9	604.3	582.7	574.7	555.3	519.9
9793.4	47.5°	8056.8	5254.2	1369.4	753.7	631.7	579.2	559.8	541.6	513.1	481.2
10567.6	50°	8634.9	5544.9	1351.2	701.2	592.9	555.3	534.8	509.7	478.9	457.2
11300.8	52.5°	9151.4	5796.9	1273.6	639.7	551.9	530.2	512.0	485.7	460.7	437.8
11962.1	55°	9600.7	6001.0	1136.8	581.5	515.4	508.5	490.3	457.2	423.0	403.6
12617.7	57.5°	10031.7	6156.1	965.8	533.6	482.3	484.6	457.2	427.6	395.7	375.1
13501.4	60°	10605.2	6363.6	792.5	489.2	447.0	453.8	424.2	402.5	362.6	336.4
15016.7	62.5°	11522.0	6686.3	629.4	434.4	405.9	408.2	395.7	369.4	321.5	290.8
16139.9	65°	12249.4	6567.7	496.0	375.1	359.2	362.6	362.6	334.1	282.8	247.4
16200.3	67.5°	12167.3	5623.6	395.7	317.0	314.7	317.0	325.0	301.0	250.8	222.3
14966.6	70°	11208.4	4473.1	317.0	263.4	273.7	268.0	290.8	274.8	225.8	197.3
11602.9	72.5°	9145.7	3222.3	241.7	217.8	209.8	218.9	262.3	247.4	188.1	156.2
6145.8	75°	5344.2	1719.5	180.2	172.2	151.6	182.4	232.6	210.9	143.7	115.2
1883.6	77.5°	1740.0	599.8	132.3	126.6	112.9	147.1	198.4	177.9	117.4	91.2
551.9	80°	466.4	181.3	90.1	83.2	73.0	109.5	157.4	141.4	84.4	59.3
237.2	82.5°	187.0	76.4	52.5	46.7	39.9	75.3	124.3	114.0	62.7	37.6
74.1	85°	60.4	25.1	19.4	14.8	18.2	46.7	74.1	77.5	44.5	19.4
11.4	87.5°	8.0	3.4	3.4	4.6	3.4	8.0	22.8	21.7	12.5	2.3
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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2623.7
2313.5
1872.2
1448.1
1182.4
1085.5
1052.4
1014.8
962.3
895.1
822.1
751.4
695.5
657.9
629.4
631.7
611.2
564.4
518.8
480.0
453.8
435.6
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