

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: P851053

Luminaire Tested: **GLAN-SB8D-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

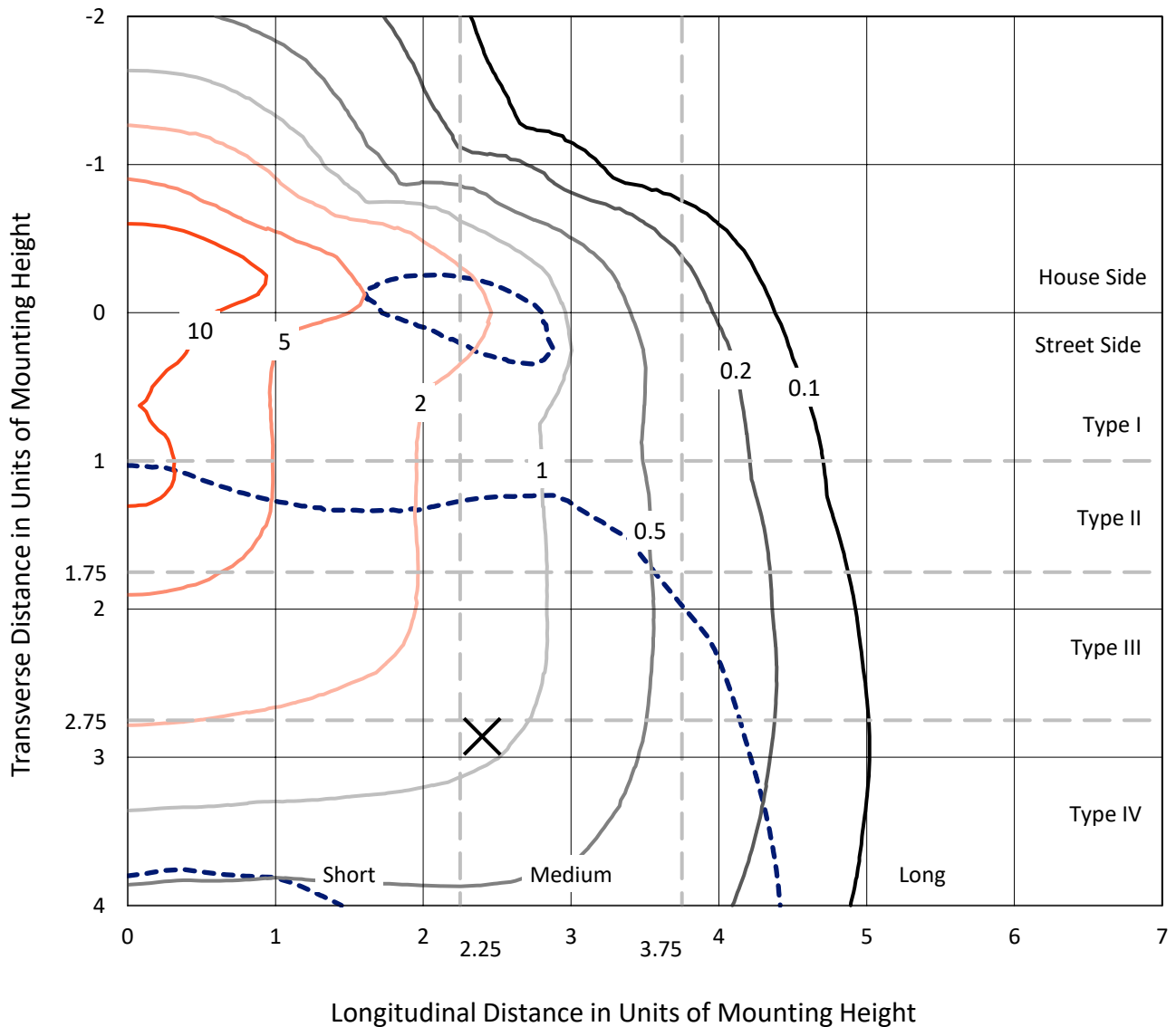
Lumens per Lamp: N/A  
Luminaire Lumens: 67535 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): 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

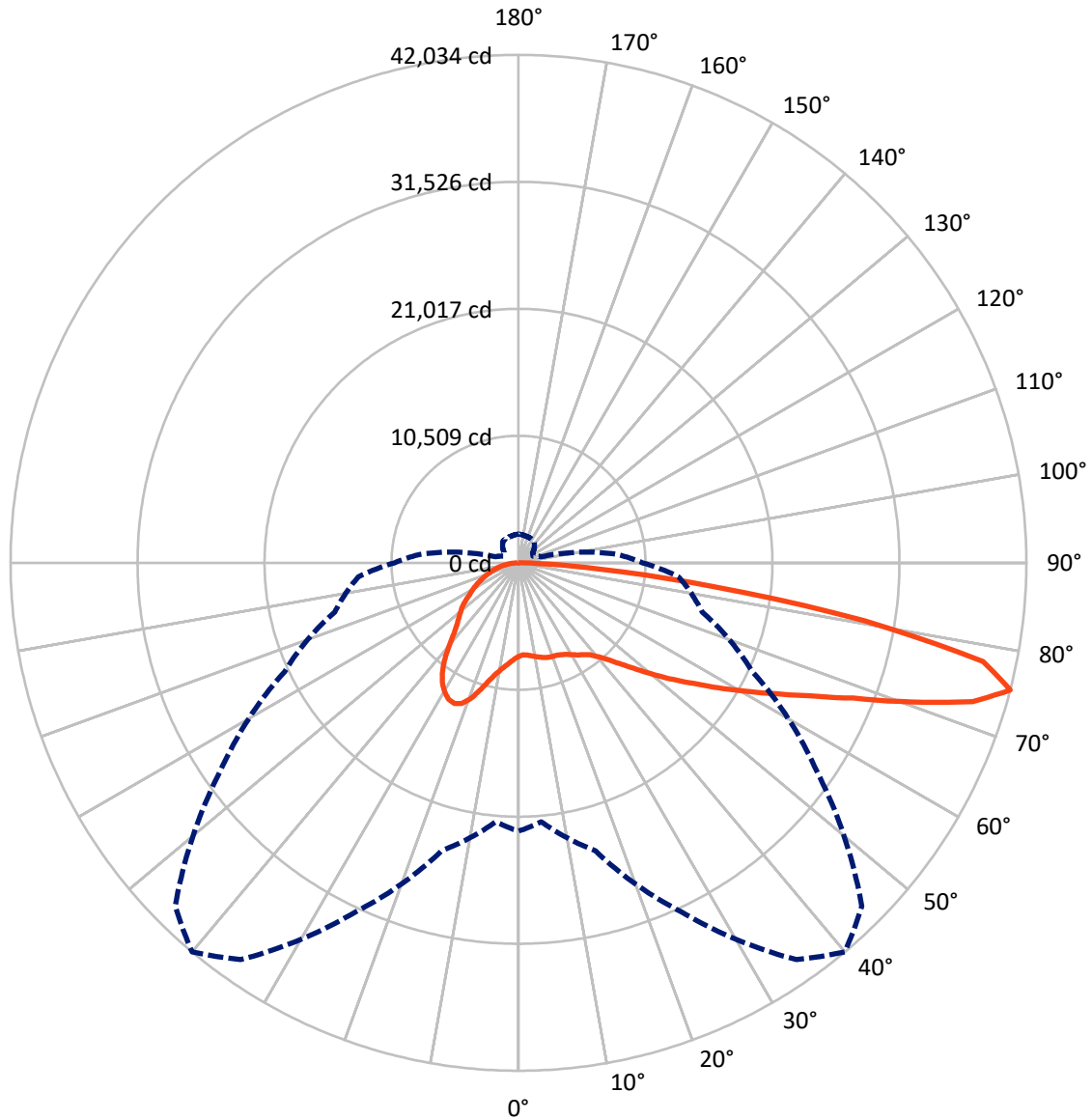
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20924.6	0.0	20924.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	46610.4	0.0	46610.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	67535.0	0.0	67535.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	770.9	1.1
10°-20°	2588.2	3.8
20°-30°	4725.8	7.0
30°-40°	6702.5	9.9
40°-50°	9050.4	13.4
50°-60°	12175.2	18.0
60°-70°	15453.1	22.9
70°-80°	14024.6	20.8
80°-90°	2044.4	3.0
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°	67535.0	100.0
0°-180°	67535.0	100.0

**Coefficient of Utilization**

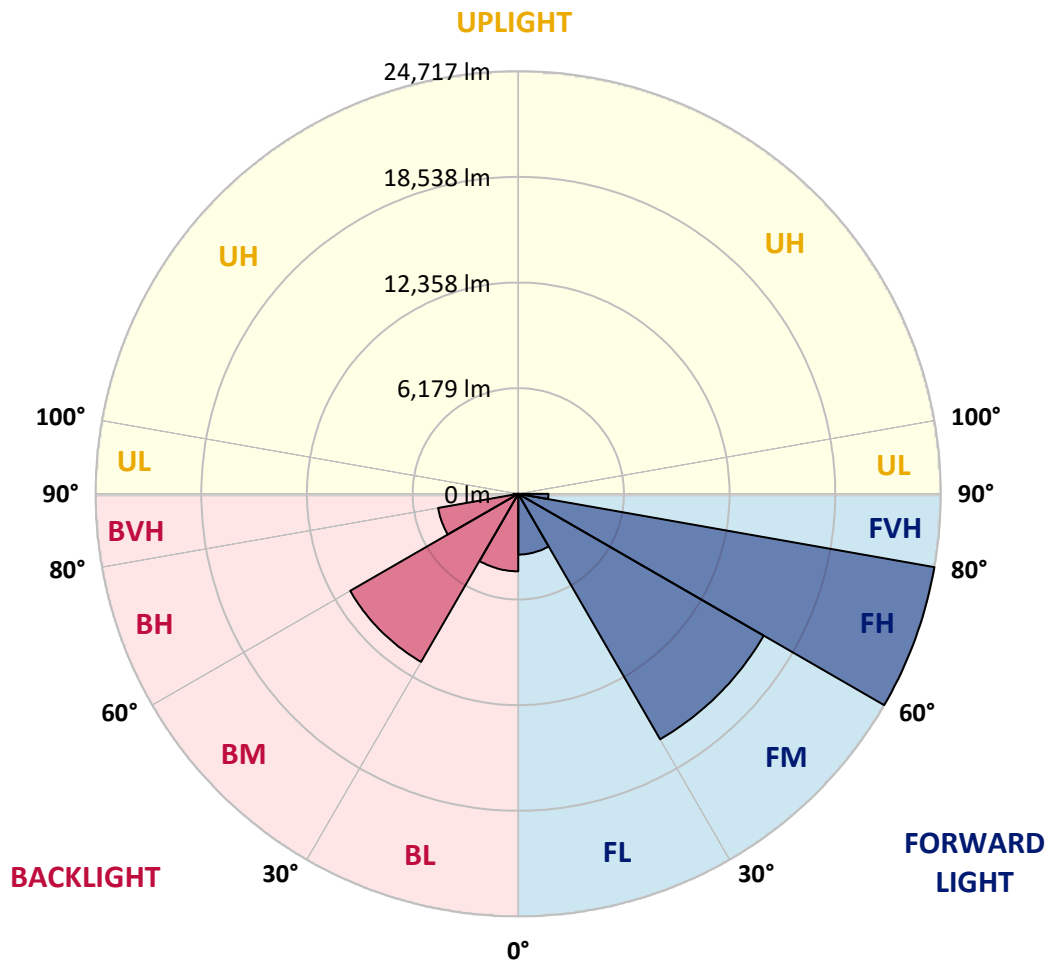


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3552.4	5.3			
FM (30°-60°)	16578.3	24.5			
FH (60°-80°)	24716.8	36.6			G5
FVH (80°-90°)	1762.9	2.6			G5
BL (0°-30°)	4532.5	6.7	B4/5000		
BM (30°-60°)	11349.7	16.8	B5		
BH (60°-80°)	4761.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	281.5	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7
2.5°	7604.5	7647.5	7636.8	7622.4	7622.4	7626.0	7622.4	7647.5	7672.6	7697.6
5°	7683.3	7726.3	7704.8	7686.9	7672.6	7669.0	7658.2	7654.7	7669.0	7701.2
7.5°	7837.3	7880.3	7848.1	7815.8	7787.2	7772.9	7758.5	7737.0	7726.3	7744.2
10°	8009.3	8052.3	8012.9	7955.5	7909.0	7891.1	7876.7	7855.2	7840.9	7851.7
12.5°	8181.2	8224.2	8170.5	8091.7	8030.8	8020.0	8002.1	7994.9	7991.4	7987.8
15°	8342.4	8378.2	8310.2	8217.0	8152.6	8134.6	8116.7	8127.5	8145.4	8166.9
17.5°	8467.8	8503.6	8403.3	8281.5	8220.6	8213.4	8202.7	8238.5	8288.7	8342.4
20°	8582.4	8618.2	8489.3	8324.5	8252.8	8252.8	8256.4	8331.7	8403.3	8482.1
22.5°	8743.6	8772.2	8614.6	8389.0	8285.1	8292.2	8320.9	8396.1	8485.7	8593.1
25°	8983.6	9005.1	8811.6	8510.7	8392.5	8414.0	8439.1	8474.9	8560.9	8686.3
27.5°	9370.4	9388.3	9134.0	8725.7	8546.6	8582.4	8618.2	8593.1	8632.5	8740.0
30°	9914.9	9925.6	9603.2	9062.4	8808.1	8826.0	8833.1	8729.2	8654.0	8740.0
32.5°	10559.6	10556.1	10172.8	9470.7	9105.4	9087.4	9026.6	8822.4	8646.9	8722.1
35°	11559.0	11519.6	11025.3	10043.8	9442.1	9331.0	9187.7	8926.3	8682.7	8704.2
37.5°	13213.9	13092.1	12407.9	10982.3	9943.5	9660.6	9449.2	9094.6	8761.5	8697.0
40°	15080.1	14926.0	14173.8	12268.2	10695.7	10240.8	9900.6	9334.6	8890.4	8729.2
42.5°	17293.7	17075.2	16265.7	13783.4	11648.6	10989.5	10477.2	9639.1	9080.3	8833.1
45°	20012.4	19722.3	18576.1	15492.0	12848.5	11970.9	11286.8	10101.1	9370.4	9033.7
47.5°	22759.8	22831.4	21201.7	17447.8	14288.5	13181.6	12300.5	10796.0	9793.1	9356.1
50°	25679.1	25729.3	23812.9	19614.8	15921.8	14549.9	13439.5	11573.3	10380.5	9814.6
52.5°	27957.2	27964.4	26184.2	21882.2	17623.3	16054.4	14668.1	12461.7	11061.1	10423.5
55°	29382.9	29365.0	27846.2	24027.8	19579.0	17634.0	16029.3	13471.8	11892.1	11139.9
57.5°	30418.0	30364.3	28992.4	25872.5	21663.7	19500.2	17569.5	14618.0	12873.6	11992.4
60°	30812.1	30779.8	29769.7	27466.5	23855.9	21563.4	19346.2	15900.3	13987.6	12999.0
62.5°	30962.5	31023.4	30532.7	29010.3	26202.1	23848.7	21298.4	17433.4	15241.3	14138.0
65°	31492.6	31603.7	31503.4	31030.6	28852.7	26524.5	23888.1	19256.6	16609.6	15359.5
67.5°	32542.2	32653.2	32696.2	33448.4	32090.8	29859.3	27119.1	21527.6	18210.7	16627.5
70°	32517.1	32484.8	33244.2	35371.9	36145.6	34476.4	31474.7	24321.5	20119.9	17680.6
72.5°	29597.8	29339.9	31134.4	35350.4	39519.8	39297.7	36793.9	27925.0	21767.6	17809.5
75°	22204.6	21516.9	24686.9	31858.0	40082.2	42034.4	40175.3	30160.1	21377.2	15735.6
77.5°	9495.8	8804.5	12540.5	23583.7	35873.4	39294.2	37073.3	26313.1	17064.5	10405.6
80°	2485.9	2482.3	3789.7	10692.2	24396.8	29017.5	25457.0	16992.8	9750.1	3718.1
82.5°	1028.0	1003.0	1393.4	4158.7	11920.8	16283.6	13289.1	7579.4	3521.1	1006.5
85°	383.3	379.7	677.0	1436.4	4205.2	6716.2	4860.7	1937.8	877.6	490.7
87.5°	107.5	103.9	146.9	497.9	1024.4	1554.6	831.0	318.8	247.2	193.4
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°
7722.7	0°	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7
7737.0	2.5°	7747.8	7765.7	7797.9	7823.0	7855.2	7891.1	7941.2	7973.5	8005.7	8027.2
7755.0	5°	7780.0	7819.4	7901.8	7984.2	8080.9	8170.5	8274.3	8349.6	8410.5	8428.4
7819.4	7.5°	7851.7	7916.1	8055.8	8195.5	8349.6	8496.4	8646.9	8775.8	8879.7	8919.1
7934.1	10°	7977.0	8063.0	8260.0	8457.0	8661.2	8886.9	9080.3	9266.5	9413.4	9474.3
8070.2	12.5°	8134.6	8242.1	8500.0	8772.2	9055.2	9366.8	9617.6	9846.8	10029.5	10111.9
8260.0	15°	8338.8	8478.5	8808.1	9173.4	9588.9	10022.3	10341.1	10595.5	10799.6	10899.9
8457.0	17.5°	8560.9	8747.2	9162.7	9714.3	10308.9	10878.4	11251.0	11437.2	11648.6	11745.3
8639.7	20°	8775.8	9005.1	9599.7	10402.0	11193.6	11799.0	12099.9	12150.0	12164.4	12175.1
8811.6	22.5°	8997.9	9305.9	10147.7	11268.9	12117.8	12536.9	12579.9	12364.9	12064.1	11924.4
8980.0	25°	9241.5	9649.8	10864.1	12225.2	12913.0	12963.1	12633.6	12110.6	11541.1	11279.6
9116.1	27.5°	9477.9	10047.4	11723.8	13138.6	13486.1	13045.5	12336.3	11594.8	10907.1	10631.3
9212.8	30°	9714.3	10502.3	12673.0	13937.4	13747.6	12841.3	11867.1	11039.6	10348.3	10058.2
9298.8	32.5°	9954.3	11032.5	13765.5	14514.1	13701.0	12407.9	11283.2	10416.4	9807.4	9503.0
9374.0	35°	10226.5	11684.4	14800.7	14829.3	13389.4	11770.3	10513.1	9671.3	9141.2	8897.6
9463.6	37.5°	10581.1	12511.8	15714.1	14908.1	12844.9	10835.4	9556.7	8790.1	8353.1	8242.1
9596.1	40°	11021.7	13507.6	16412.6	14782.8	12039.0	9700.0	8510.7	7898.2	7651.1	7676.2
9775.2	42.5°	11594.8	14621.6	16903.3	14460.4	10917.8	8528.7	7593.8	7321.5	7439.7	7540.0
10043.8	45°	12339.9	15778.6	17207.8	13912.4	9649.8	7536.5	7052.9	7117.4	7206.9	7217.7
10477.2	47.5°	13292.7	16949.9	17408.4	13084.9	8356.7	6838.0	6709.0	6723.3	6705.4	6630.2
11125.6	50°	14481.9	18088.9	17587.4	11988.8	7257.1	6401.0	6229.0	6178.9	5931.7	5688.2
11988.8	52.5°	15835.9	19134.9	17662.7	10627.7	6401.0	6035.6	5756.2	5441.0	4978.9	4903.7
13074.2	55°	17340.3	20102.0	17469.2	8954.9	5681.0	5566.4	5143.7	4764.0	4713.9	4649.4
14503.4	57.5°	19138.4	21144.3	17075.2	7088.7	4943.1	5018.3	4606.4	4649.4	4559.8	4459.5
16340.9	60°	21104.9	22222.5	16383.9	5387.3	4180.2	4334.2	4466.7	4463.1	4438.1	4355.7
18278.8	62.5°	22874.4	22931.7	15022.8	4126.4	3510.3	3804.0	4165.8	4162.2	4140.8	4094.2
20302.6	65°	23927.5	22824.3	12751.8	3248.8	2958.7	3367.0	3757.5	3786.1	3789.7	3786.1
21824.9	67.5°	23741.3	21567.0	9635.5	2586.2	2503.8	2922.9	3352.7	3392.1	3420.8	3427.9
22018.3	70°	21635.1	18805.3	6282.8	2063.2	2099.0	2532.4	2969.4	3008.9	3033.9	3062.6
19106.2	72.5°	16863.9	13826.4	3596.3	1669.2	1744.4	2195.7	2589.8	2636.3	2650.7	2704.4
13296.3	75°	10276.7	8131.1	1941.4	1314.6	1432.8	1876.9	2213.7	2267.4	2292.5	2356.9
6529.9	77.5°	4885.8	3521.1	1106.8	1024.4	1153.4	1533.1	1869.8	1930.7	1862.6	1898.4
1801.7	80°	1651.3	1307.4	698.5	780.9	881.2	1196.4	1497.3	1558.2	1414.9	1407.7
598.2	82.5°	576.7	530.1	444.2	519.4	569.5	856.1	1131.9	1210.7	1053.1	1049.5
268.6	85°	225.7	214.9	247.2	283.0	340.3	526.5	745.0	784.5	648.3	523.0
78.8	87.5°	46.6	50.1	60.9	64.5	103.9	182.7	268.6	329.5	261.5	222.1
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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7722.7
8012.9
8435.5
8922.7
9477.9
10111.9
10892.8
11741.7
12203.8
11963.8
11319.0
10663.5
10090.4
9542.4
8951.3
8320.9
7762.1
7633.2
7289.3
6687.5
5720.4
4928.8
4660.1
4441.6
4327.0
4076.3
3786.1
3435.1
3076.9
2725.9
2364.1
1869.8
1393.4
999.4
515.8
204.2
0.0

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