

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: P850713

Luminaire Tested: **GLAN-SB8B-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850713  
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-SB8B-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37371 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

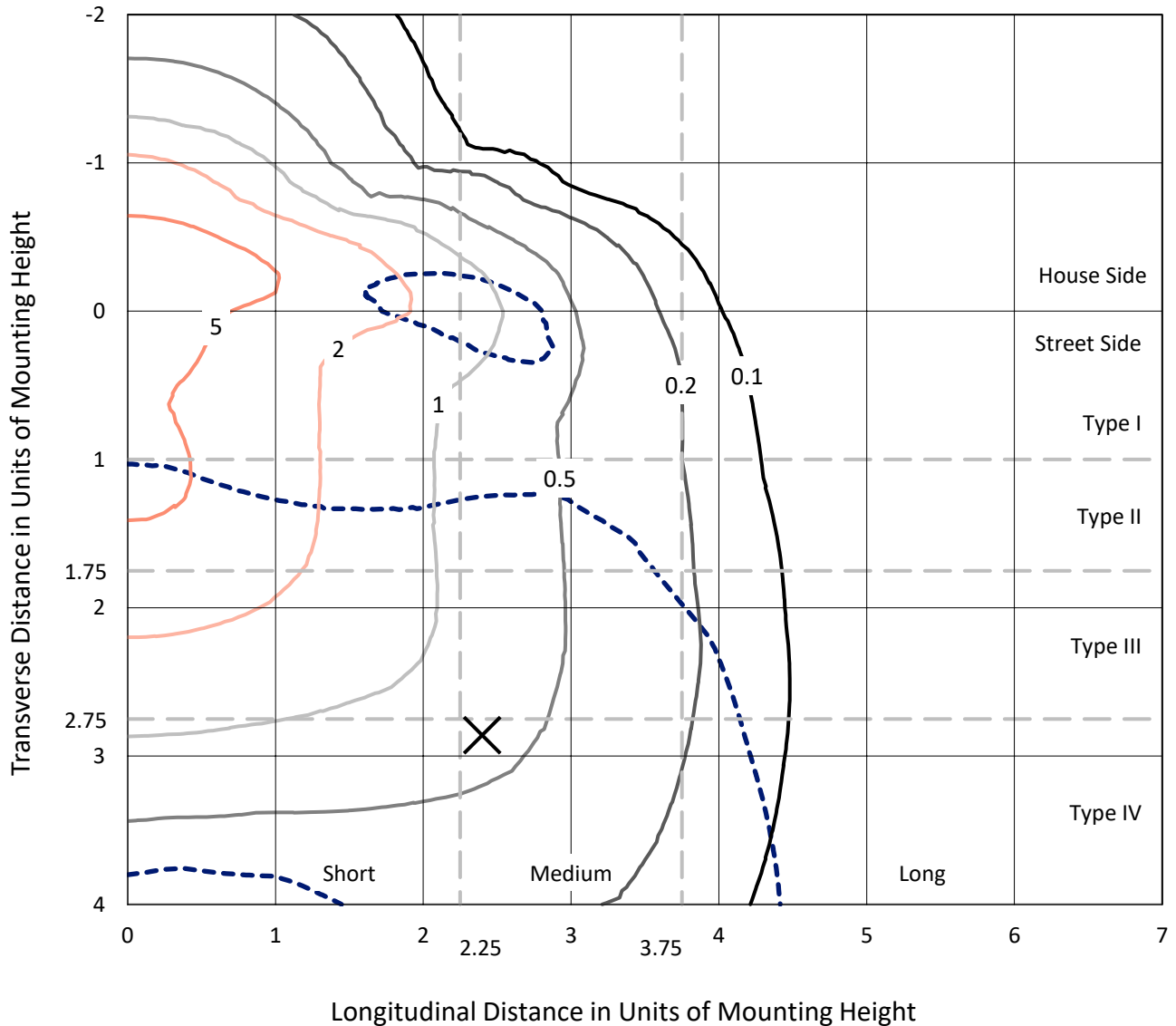
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

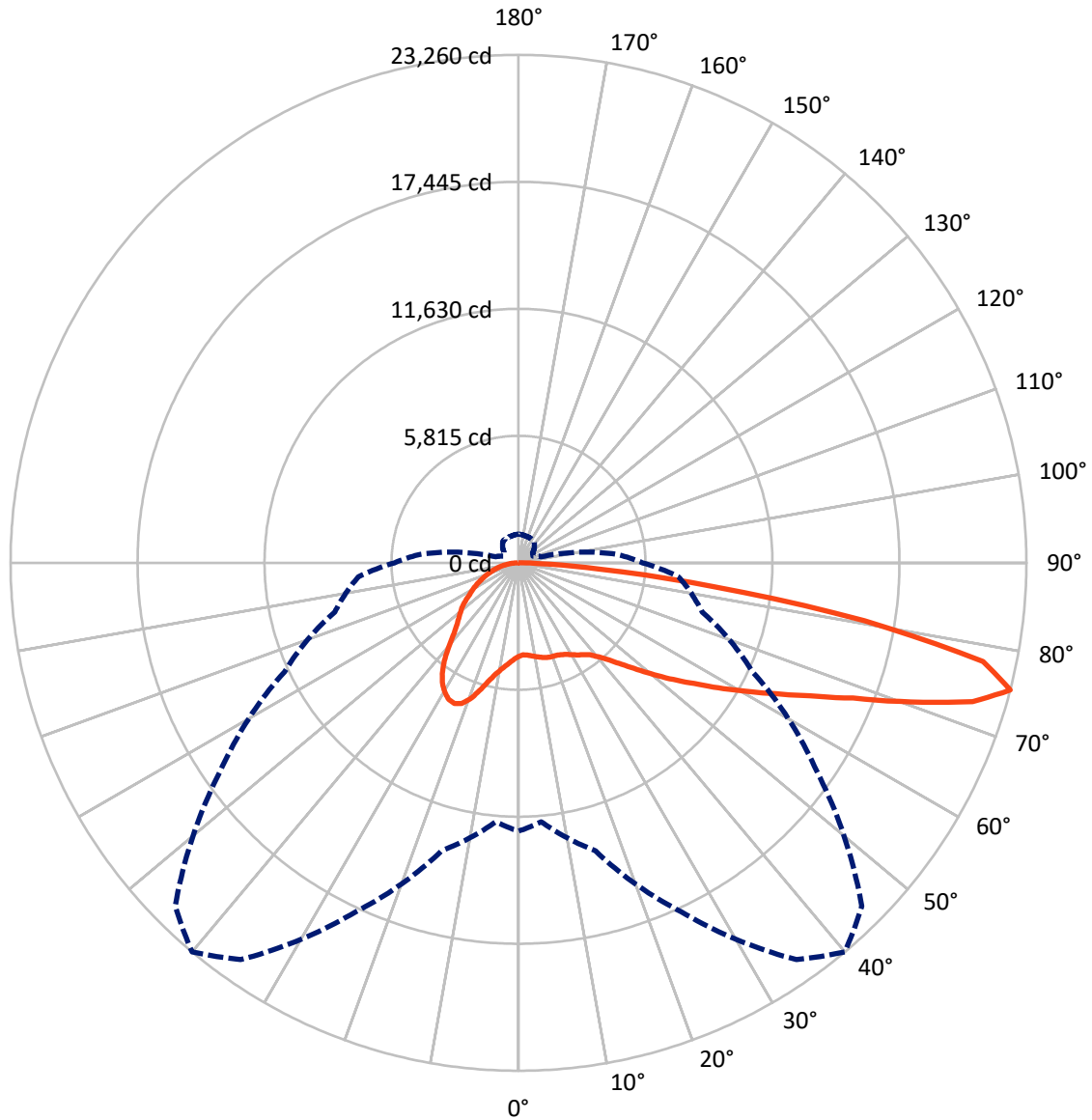
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	11578.8	0.0	11578.8
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	25792.2	0.0	25792.2
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	37371.0	0.0	37371.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.6	1.1
10°-20°	1432.2	3.8
20°-30°	2615.1	7.0
30°-40°	3708.9	9.9
40°-50°	5008.1	13.4
50°-60°	6737.2	18.0
60°-70°	8551.1	22.9
70°-80°	7760.6	20.8
80°-90°	1131.3	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°	37371.0	100.0
0°-180°	37371.0	100.0

**Coefficient of Utilization**

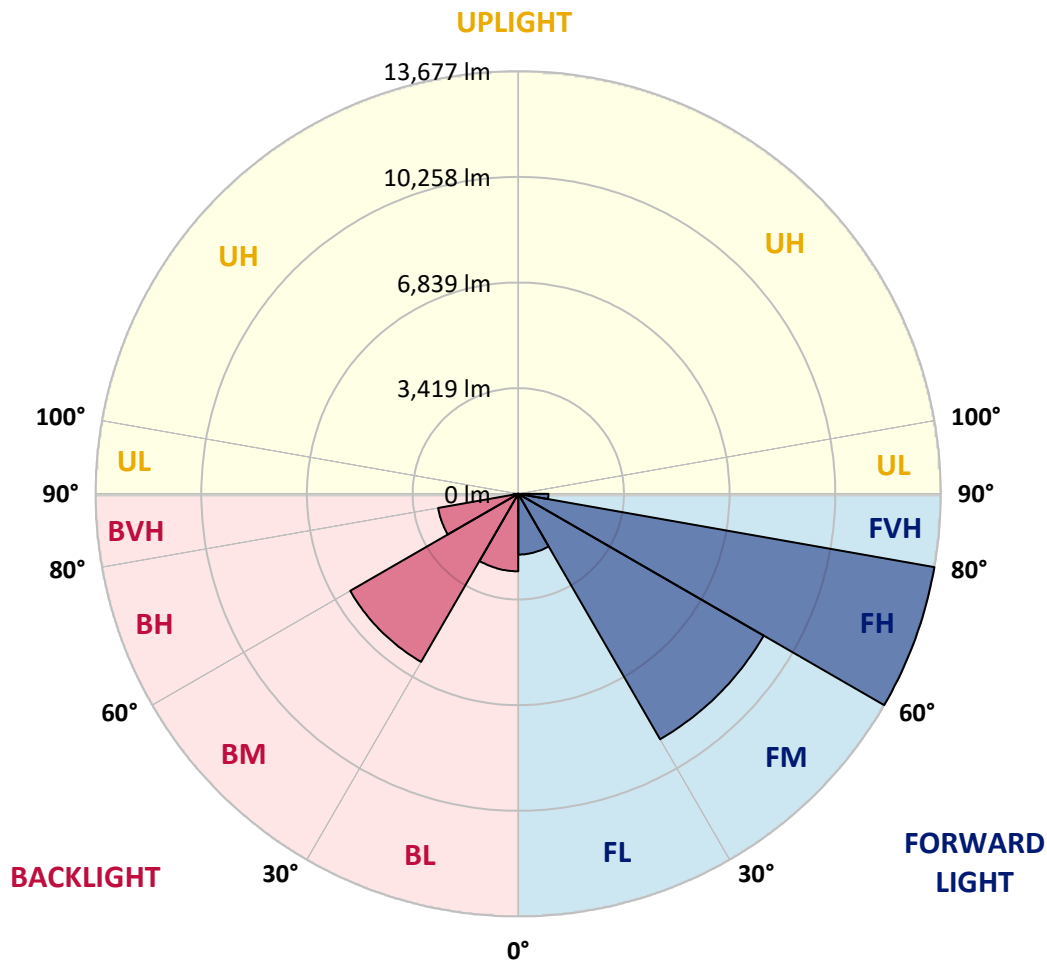


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1965.8	5.3			
FM (30°-60°)	9173.7	24.5			
FH (60°-80°)	13677.2	36.6			G5
FVH (80°-90°)	975.5	2.6			G5
BL (0°-30°)	2508.1	6.7	B4/5000		
BM (30°-60°)	6280.4	16.8	B4/8500		
BH (60°-80°)	2634.5	7.0	B4/5000		G4/5000
BVH (80°-90°)	155.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4
2.5°	4208.0	4231.8	4225.9	4217.9	4217.9	4219.9	4217.9	4231.8	4245.7	4259.5
5°	4251.6	4275.4	4263.5	4253.6	4245.7	4243.7	4237.7	4235.8	4243.7	4261.5
7.5°	4336.9	4360.6	4342.8	4325.0	4309.1	4301.2	4293.2	4281.4	4275.4	4285.3
10°	4432.0	4455.8	4434.0	4402.3	4376.5	4366.6	4358.7	4346.8	4338.8	4344.8
12.5°	4527.1	4550.9	4521.2	4477.6	4443.9	4437.9	4428.0	4424.1	4422.1	4420.1
15°	4616.3	4636.1	4598.5	4547.0	4511.3	4501.4	4491.5	4497.4	4507.3	4519.2
17.5°	4685.7	4705.5	4650.0	4582.6	4548.9	4545.0	4539.0	4558.8	4586.6	4616.3
20°	4749.1	4769.0	4697.6	4606.4	4566.8	4566.8	4568.8	4610.4	4650.0	4693.6
22.5°	4838.3	4854.2	4767.0	4642.1	4584.6	4588.6	4604.4	4646.1	4695.6	4755.1
25°	4971.1	4983.0	4876.0	4709.5	4644.1	4656.0	4669.8	4689.7	4737.2	4806.6
27.5°	5185.2	5195.1	5054.4	4828.4	4729.3	4749.1	4769.0	4755.1	4776.9	4836.3
30°	5486.5	5492.4	5314.0	5014.7	4874.0	4883.9	4887.9	4830.4	4788.8	4836.3
32.5°	5843.3	5841.3	5629.2	5240.7	5038.5	5028.6	4994.9	4881.9	4784.8	4826.4
35°	6396.3	6374.5	6100.9	5557.8	5224.8	5163.4	5084.1	4939.4	4804.6	4816.5
37.5°	7312.0	7244.6	6866.0	6077.1	5502.3	5345.7	5228.8	5032.6	4848.2	4812.6
40°	8344.7	8259.4	7843.2	6788.7	5918.6	5666.8	5478.5	5165.4	4919.6	4830.4
42.5°	9569.6	9448.7	9000.7	7627.1	6445.8	6081.1	5797.7	5333.9	5024.6	4887.9
45°	11074.0	10913.5	10279.2	8572.6	7109.8	6624.2	6245.6	5589.5	5185.2	4998.9
47.5°	12594.3	12634.0	11732.1	9654.8	7906.6	7294.2	6806.6	5974.1	5419.1	5177.3
50°	14209.7	14237.5	13177.1	10854.0	8810.5	8051.3	7436.9	6404.2	5744.1	5431.0
52.5°	15470.3	15474.3	14489.2	12108.7	9752.0	8883.8	8116.7	6895.8	6120.7	5767.9
55°	16259.2	16249.3	15408.9	13296.0	10834.2	9757.9	8869.9	7454.7	6580.6	6164.4
57.5°	16832.1	16802.3	16043.2	14316.8	11987.8	10790.6	9722.2	8089.0	7123.7	6636.1
60°	17050.1	17032.2	16473.3	15198.8	13200.8	11932.3	10705.4	8798.6	7740.1	7193.1
62.5°	17133.3	17167.0	16895.5	16053.1	14499.1	13196.9	11785.6	9646.9	8433.9	7823.4
65°	17426.7	17488.1	17432.6	17171.0	15965.9	14677.5	13218.7	10655.8	9191.0	8499.3
67.5°	18007.4	18068.9	18092.7	18508.9	17757.7	16522.8	15006.5	11912.5	10077.0	9200.9
70°	17993.6	17975.7	18395.9	19573.3	20001.4	19077.8	17416.8	13458.5	11133.5	9783.7
72.5°	16378.2	16235.4	17228.5	19561.4	21868.6	21745.7	20360.2	15452.5	12045.3	9855.0
75°	12287.1	11906.5	13660.7	17628.9	22179.8	23260.0	22231.3	16689.3	11829.2	8707.4
77.5°	5254.6	4872.0	6939.4	13050.2	19850.8	21743.7	20514.8	14560.6	9442.8	5758.0
80°	1375.6	1373.6	2097.1	5916.6	13500.1	16057.1	14086.8	9403.1	5395.3	2057.4
82.5°	568.9	555.0	771.0	2301.2	6596.5	9010.7	7353.6	4194.1	1948.4	557.0
85°	212.1	210.1	374.6	794.8	2327.0	3716.5	2689.7	1072.3	485.6	271.5
87.5°	59.5	57.5	81.3	275.5	566.9	860.2	459.8	176.4	136.8	107.0
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°
4273.4	0°	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4	4273.4
4281.4	2.5°	4287.3	4297.2	4315.0	4328.9	4346.8	4366.6	4394.3	4412.2	4430.0	4441.9
4291.3	5°	4305.1	4326.9	4372.5	4418.1	4471.6	4521.2	4578.7	4620.3	4654.0	4663.9
4326.9	7.5°	4344.8	4380.5	4457.8	4535.1	4620.3	4701.6	4784.8	4856.2	4913.6	4935.4
4390.4	10°	4414.2	4461.7	4570.7	4679.8	4792.7	4917.6	5024.6	5127.7	5209.0	5242.7
4465.7	12.5°	4501.4	4560.8	4703.5	4854.2	5010.8	5183.2	5322.0	5448.8	5549.9	5595.5
4570.7	15°	4614.3	4691.6	4874.0	5076.2	5306.1	5545.9	5722.3	5863.1	5976.1	6031.6
4679.8	17.5°	4737.2	4840.3	5070.2	5375.5	5704.5	6019.7	6225.8	6328.9	6445.8	6499.3
4780.8	20°	4856.2	4983.0	5312.0	5756.0	6194.1	6529.1	6695.6	6723.3	6731.2	6737.2
4876.0	22.5°	4979.1	5149.5	5615.3	6235.7	6705.5	6937.4	6961.2	6842.2	6675.7	6598.4
4969.1	25°	5113.8	5339.8	6011.7	6764.9	7145.5	7173.2	6990.9	6701.5	6386.4	6241.7
5044.5	27.5°	5244.7	5559.8	6487.4	7270.4	7462.6	7218.8	6826.4	6416.1	6035.5	5882.9
5098.0	30°	5375.5	5811.5	7012.7	7712.4	7607.3	7105.9	6566.7	6108.9	5726.3	5565.8
5145.6	32.5°	5508.3	6104.9	7617.2	8031.5	7581.6	6866.0	6243.6	5764.0	5427.0	5258.5
5187.2	35°	5658.9	6465.6	8190.1	8205.9	7409.1	6513.2	5817.5	5351.7	5058.3	4923.6
5236.7	37.5°	5855.1	6923.5	8695.5	8249.5	7107.8	5995.9	5288.3	4864.1	4622.3	4560.8
5310.1	40°	6098.9	7474.5	9082.0	8180.2	6661.9	5367.5	4709.5	4370.5	4233.8	4247.7
5409.2	42.5°	6416.1	8091.0	9353.6	8001.8	6041.5	4719.4	4202.1	4051.4	4116.8	4172.3
5557.8	45°	6828.4	8731.2	9522.0	7698.5	5339.8	4170.4	3902.8	3938.4	3988.0	3993.9
5797.7	47.5°	7355.6	9379.3	9633.0	7240.6	4624.3	3783.8	3712.5	3720.4	3710.5	3668.9
6156.4	50°	8013.7	10009.6	9732.1	6634.1	4015.7	3542.0	3446.9	3419.1	3282.4	3147.6
6634.1	52.5°	8762.9	10588.4	9773.8	5880.9	3542.0	3339.9	3185.2	3010.8	2755.1	2713.5
7234.7	55°	9595.4	11123.6	9666.7	4955.3	3143.6	3080.2	2846.3	2636.2	2608.5	2572.8
8025.6	57.5°	10590.4	11700.4	9448.7	3922.6	2735.3	2776.9	2549.0	2572.8	2523.2	2467.7
9042.4	60°	11678.6	12297.0	9066.2	2981.1	2313.1	2398.4	2471.7	2469.7	2455.8	2410.2
10114.7	62.5°	12657.7	12689.5	8313.0	2283.4	1942.5	2105.0	2305.2	2303.2	2291.3	2265.5
11234.6	65°	13240.5	12630.0	7056.3	1797.8	1637.2	1863.2	2079.2	2095.1	2097.1	2095.1
12077.0	67.5°	13137.4	11934.3	5331.9	1431.1	1385.5	1617.4	1855.3	1877.1	1892.9	1896.9
12184.0	70°	11971.9	10406.1	3476.6	1141.7	1161.5	1401.3	1643.2	1665.0	1678.8	1694.7
10572.6	72.5°	9331.8	7650.9	1990.0	923.7	965.3	1215.0	1433.1	1458.8	1466.8	1496.5
7357.6	75°	5686.7	4499.4	1074.3	727.4	792.8	1038.6	1224.9	1254.7	1268.5	1304.2
3613.4	77.5°	2703.6	1948.4	612.5	566.9	638.2	848.3	1034.7	1068.4	1030.7	1050.5
997.0	80°	913.8	723.5	386.5	432.1	487.6	662.0	828.5	862.2	782.9	779.0
331.0	82.5°	319.1	293.4	245.8	287.4	315.2	473.7	626.3	670.0	582.7	580.8
148.7	85°	124.9	118.9	136.8	156.6	188.3	291.4	412.3	434.1	358.8	289.4
43.6	87.5°	25.8	27.7	33.7	35.7	57.5	101.1	148.7	182.4	144.7	122.9
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°
4273.4
4434.0
4667.9
4937.4
5244.7
5595.5
6027.6
6497.3
6753.0
6620.2
6263.5
5900.7
5583.6
5280.3
4953.3
4604.4
4295.2
4223.9
4033.6
3700.6
3165.4
2727.4
2578.7
2457.8
2394.4
2255.6
2095.1
1900.8
1702.6
1508.4
1308.2
1034.7
771.0
553.0
285.4
113.0
0.0

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