

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: P850417

Luminaire Tested: **GLAN-SB7D-930-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850417  
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-SB7D-930-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 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: 38291 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

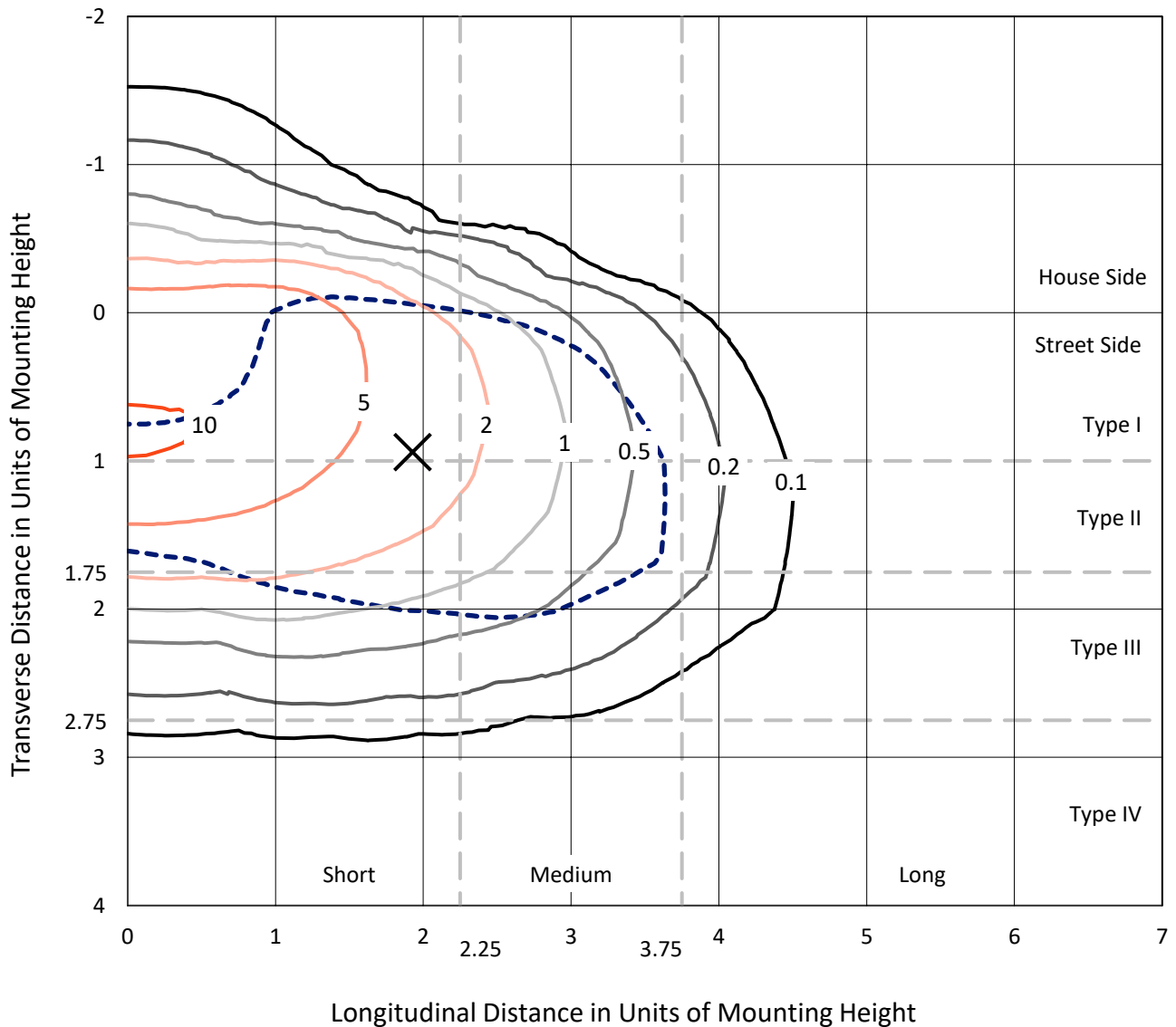
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

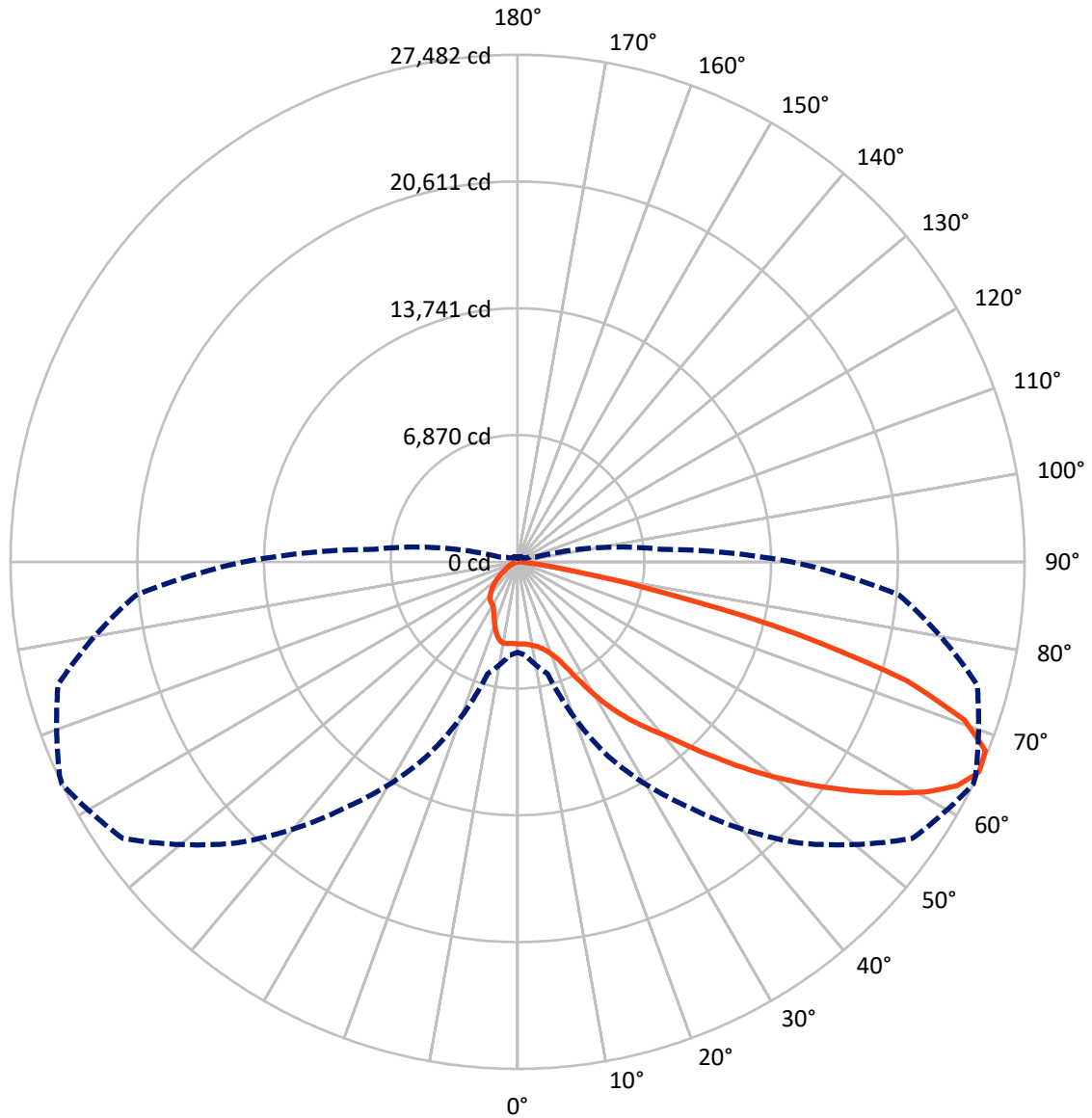
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	5120.7	0.0	5120.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	33170.3	0.0	33170.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	38291.0	0.0	38291.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.9	1.1
10°-20°	1114.5	2.9
20°-30°	2111.8	5.5
30°-40°	4273.3	11.2
40°-50°	7279.6	19.0
50°-60°	9899.7	25.9
60°-70°	9296.3	24.3
70°-80°	3724.5	9.7
80°-90°	180.4	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°	38291.0	100.0
0°-180°	38291.0	100.0

**Coefficient of Utilization**



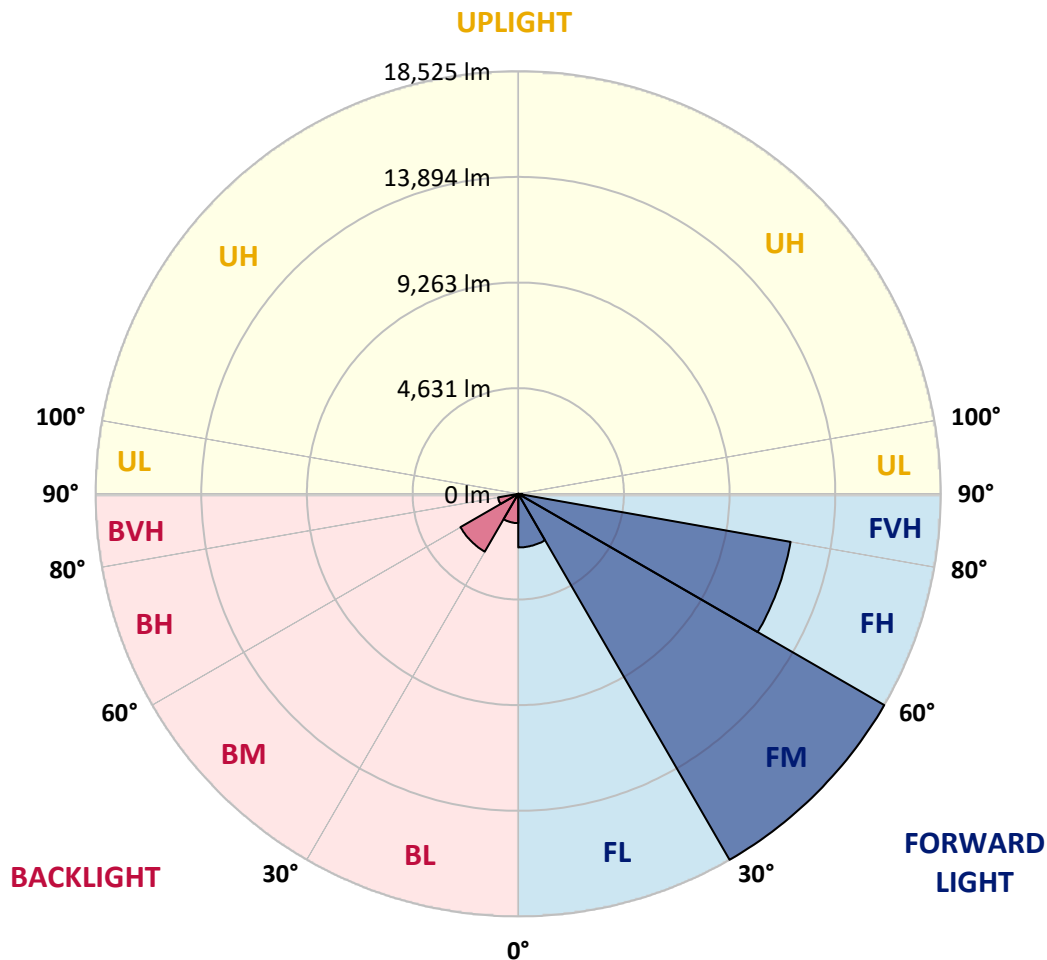
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2351.5	6.1			
FM (30°-60°)	18525.1	48.4			
FH (60°-80°)	12122.1	31.7			G5
FVH (80°-90°)	171.6	0.4			G2/225
BL (0°-30°)	1285.6	3.4	B3/2500		
BM (30°-60°)	2927.5	7.6	B3/5000		
BH (60°-80°)	898.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.8	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-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6
2.5°	4438.2	4469.0	4461.3	4453.6	4451.1	4456.2	4458.8	4456.2	4456.2	4456.2
5°	4353.5	4379.2	4379.2	4397.2	4422.8	4453.6	4476.7	4481.9	4487.0	4494.7
7.5°	4191.8	4212.3	4227.8	4286.8	4351.0	4433.1	4502.4	4538.3	4543.5	4571.7
10°	4081.4	4107.1	4132.8	4194.4	4286.8	4410.0	4528.1	4615.4	4628.2	4694.9
12.5°	4076.3	4102.0	4135.3	4202.1	4309.9	4440.8	4584.6	4710.3	4733.4	4831.0
15°	4130.2	4161.0	4191.8	4274.0	4389.5	4548.6	4702.6	4859.2	4882.3	5020.9
17.5°	4240.6	4281.7	4304.8	4386.9	4510.1	4687.2	4890.0	5069.7	5090.2	5252.0
20°	4458.8	4507.5	4515.2	4582.0	4702.6	4892.6	5133.9	5357.2	5382.9	5567.7
22.5°	4910.6	4979.9	4918.3	4951.6	5059.4	5249.4	5511.2	5793.6	5829.5	6040.0
25°	5706.3	5803.9	5644.7	5588.2	5634.4	5832.1	6160.7	6517.5	6558.5	6727.9
27.5°	7269.6	7143.8	6902.5	6666.3	6527.7	6640.7	7010.3	7451.8	7503.2	7667.4
30°	8986.9	8876.5	8550.5	8026.8	7698.3	7680.3	8021.7	8514.5	8573.6	8730.2
32.5°	10706.7	10601.5	10247.2	9602.9	9033.1	8750.7	8986.9	9533.6	9564.4	9664.5
35°	12398.3	12290.5	11936.3	11276.6	10575.8	9934.1	9887.9	10503.9	10514.2	10619.4
37.5°	14100.2	14010.4	13633.0	12986.1	12295.6	11410.0	10981.4	11422.9	11435.7	11538.4
40°	15314.4	15352.9	15093.6	14593.1	14000.1	13032.4	12208.4	12400.9	12323.9	12495.9
42.5°	16356.5	16433.5	16207.7	15956.1	15612.1	14759.9	13728.0	13694.6	13571.4	13663.8
45°	17257.5	17321.7	17118.9	17059.9	17052.2	16454.1	15388.8	15188.6	15016.6	14998.6
47.5°	17588.7	17711.9	17799.2	17996.8	18381.9	18130.3	17106.1	16795.5	16603.0	16461.8
50°	17714.5	17845.4	18143.1	18718.1	19629.4	19737.2	18815.7	18466.6	18230.4	17973.7
52.5°	17545.0	17778.6	18179.1	19146.8	20468.8	21025.8	20455.9	20150.5	19881.0	19462.5
55°	16546.5	16780.1	17598.9	19141.7	20887.2	21929.4	22006.4	21870.3	21567.4	20907.7
57.5°	14441.6	14788.1	16084.4	18489.7	20879.5	22707.2	23526.0	23623.5	23284.7	22340.1
60°	11525.6	11995.3	13576.5	17044.5	20235.2	23128.1	24858.2	25346.0	24986.6	23751.9
62.5°	8042.2	8586.4	10082.9	14780.4	18761.8	22825.2	25831.1	26732.1	26460.0	25014.8
65°	4905.4	5080.0	6286.4	11630.8	16256.4	21557.2	26131.4	27481.7	27391.8	25787.5
67.5°	3267.7	3414.0	3760.6	7975.5	12619.1	19023.6	25412.7	27350.7	27376.4	25661.7
70°	1968.8	2094.6	2320.5	4638.5	8178.3	15057.7	23187.2	25682.2	25831.1	23980.4
72.5°	811.2	895.9	1101.2	2102.3	4235.5	9556.7	18464.0	22050.0	22396.6	20163.3
75°	459.5	503.1	646.9	1055.0	1837.9	4453.6	11184.2	15653.2	16164.0	13897.4
77.5°	305.5	326.0	418.4	682.8	1034.5	1519.6	4779.6	8155.2	9130.6	7590.4
80°	205.4	223.3	287.5	456.9	672.5	652.0	1522.2	3021.3	3716.9	2608.0
82.5°	138.6	141.2	205.4	300.3	426.1	315.7	449.2	939.5	1180.8	754.7
85°	79.6	77.0	151.4	174.6	190.0	130.9	136.0	282.4	369.6	318.3
87.5°	10.3	15.4	59.0	46.2	25.7	28.2	28.2	48.8	71.9	77.0
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°
4453.6	0°	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6	4453.6
4458.8	2.5°	4458.8	4456.2	4448.5	4440.8	4422.8	4412.6	4417.7	4412.6	4410.0	4412.6
4492.1	5°	4492.1	4484.4	4463.9	4438.2	4402.3	4358.7	4330.4	4289.4	4250.9	4227.8
4582.0	7.5°	4582.0	4574.3	4546.1	4474.2	4358.7	4176.4	4009.6	3863.2	3752.9	3688.7
4725.7	10°	4725.7	4712.9	4669.3	4510.1	4207.2	3809.3	3478.2	3203.5	3023.9	2939.1
4895.2	12.5°	4895.2	4879.8	4802.7	4476.7	3919.7	3298.5	2841.6	2536.1	2369.3	2294.8
5090.2	15°	5095.4	5074.8	4923.4	4317.6	3501.3	2733.8	2315.4	2086.9	1979.1	1912.4
5339.2	17.5°	5344.4	5308.4	5013.2	4078.9	3047.0	2302.5	1991.9	1820.0	1725.0	1660.8
5665.2	20°	5667.8	5608.8	5085.1	3793.9	2628.5	2030.4	1773.8	1630.0	1558.1	1501.7
6127.3	22.5°	6119.6	6034.9	5172.4	3485.9	2333.3	1843.1	1612.0	1506.8	1447.8	1383.6
6771.6	25°	6679.2	6579.1	5280.2	3201.0	2130.6	1681.3	1494.0	1406.7	1337.4	1262.9
7616.1	27.5°	7462.1	7282.4	5408.5	2967.4	1956.0	1542.7	1386.1	1288.6	1209.0	1147.4
8573.6	30°	8334.9	8039.7	5521.5	2826.2	1796.9	1414.4	1245.0	1147.4	1073.0	1029.3
9433.5	32.5°	9161.4	8761.0	5595.9	2764.6	1653.1	1268.1	1090.9	985.7	929.2	916.4
10275.5	35°	9941.8	9413.0	5588.2	2705.6	1524.8	1121.8	939.5	831.7	788.1	795.8
11181.6	37.5°	10840.2	10108.6	5534.3	2613.1	1419.5	988.3	808.6	713.6	675.1	677.7
12282.8	40°	11884.9	10912.1	5501.0	2438.6	1304.0	865.1	700.8	623.8	595.5	585.3
13443.1	42.5°	12999.0	11689.8	5506.1	2240.9	1160.3	754.7	626.3	562.2	536.5	528.8
14734.2	45°	14118.2	12431.7	5513.8	2035.6	1008.8	670.0	572.4	518.5	503.1	492.9
16043.4	47.5°	15170.6	13063.2	5370.0	1814.8	859.9	605.8	528.8	492.9	480.0	467.2
17357.6	50°	16151.2	13484.1	5023.5	1558.1	741.8	554.5	495.4	469.8	456.9	444.1
18548.7	52.5°	16913.6	13550.9	4451.1	1293.7	659.7	516.0	474.9	451.8	436.4	423.5
19511.3	55°	17252.4	13132.5	3637.4	1047.3	595.5	482.6	454.3	431.2	413.3	400.4
20268.6	57.5°	17165.1	12252.0	2836.5	842.0	533.9	449.2	428.7	413.3	392.7	372.2
20882.1	60°	16736.4	11073.8	2138.3	700.8	477.5	413.3	400.4	387.6	359.4	328.6
21118.2	62.5°	15994.6	9592.7	1524.8	580.1	415.8	372.2	367.1	356.8	315.7	259.3
20769.1	65°	14860.0	7793.2	1026.8	482.6	356.8	326.0	328.6	310.6	256.7	192.5
19490.8	67.5°	13201.8	5698.6	657.1	395.3	297.8	272.1	274.7	264.4	218.2	164.3
17067.6	70°	11089.2	3773.4	428.7	300.3	238.7	210.5	225.9	228.5	184.8	133.5
13099.1	72.5°	8129.5	2228.1	300.3	223.3	174.6	146.3	184.8	190.0	148.9	100.1
7880.5	75°	4633.3	1057.6	225.9	161.7	107.8	102.7	143.7	143.7	102.7	66.7
3411.5	77.5°	1945.7	441.5	159.2	105.2	61.6	59.0	97.5	89.8	51.3	30.8
831.7	80°	562.2	197.7	84.7	51.3	25.7	23.1	38.5	28.2	12.8	5.1
315.7	82.5°	220.8	87.3	33.4	20.5	10.3	10.3	5.1	0.0	0.0	0.0
179.7	85°	130.9	35.9	15.4	7.7	2.6	0.0	0.0	0.0	0.0	0.0
38.5	87.5°	33.4	7.7	5.1	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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4453.6
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