

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: P849677

Luminaire Tested: **GLAN-SB6D-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849677
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-SB6D-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 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: 38587 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

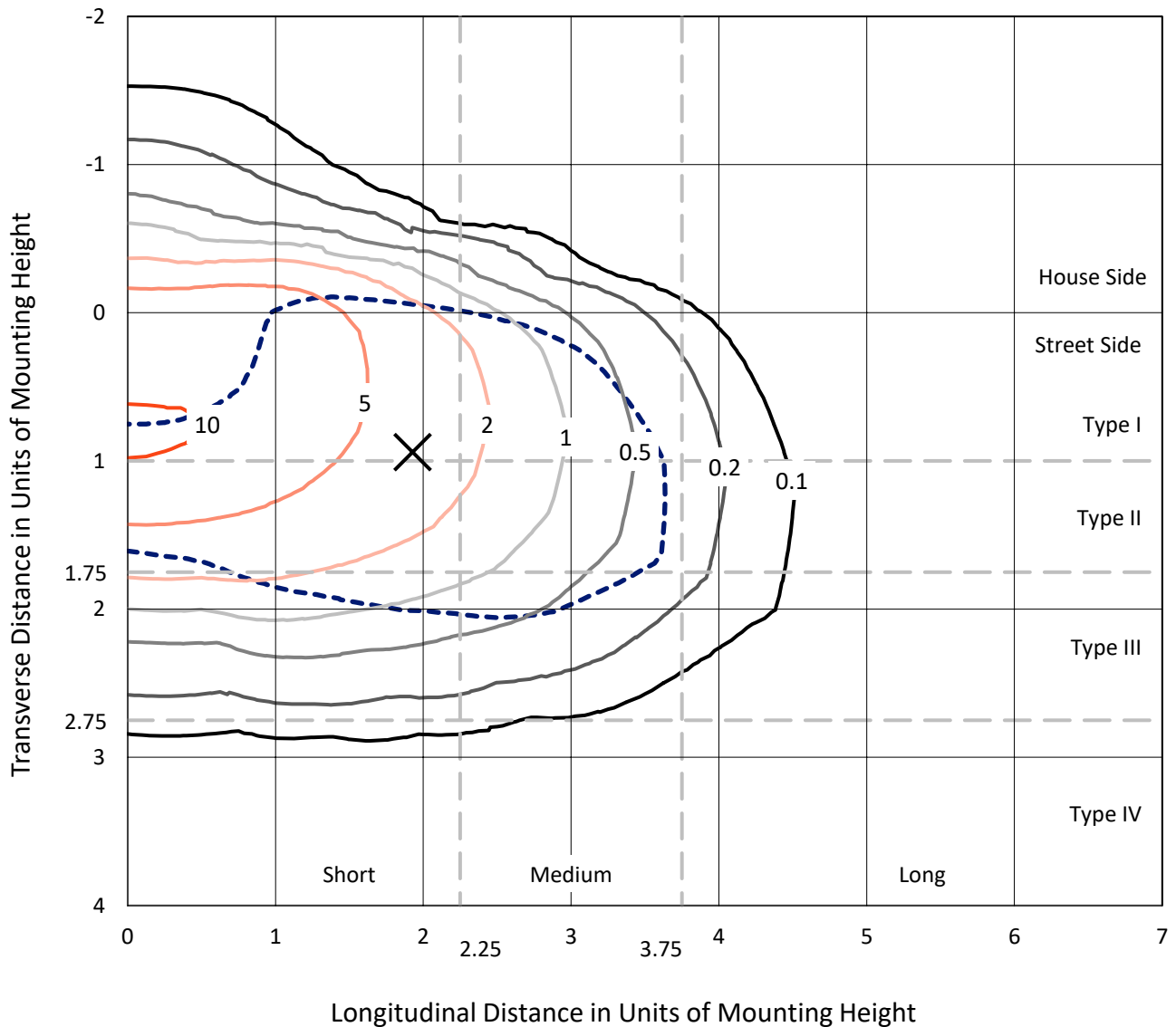
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

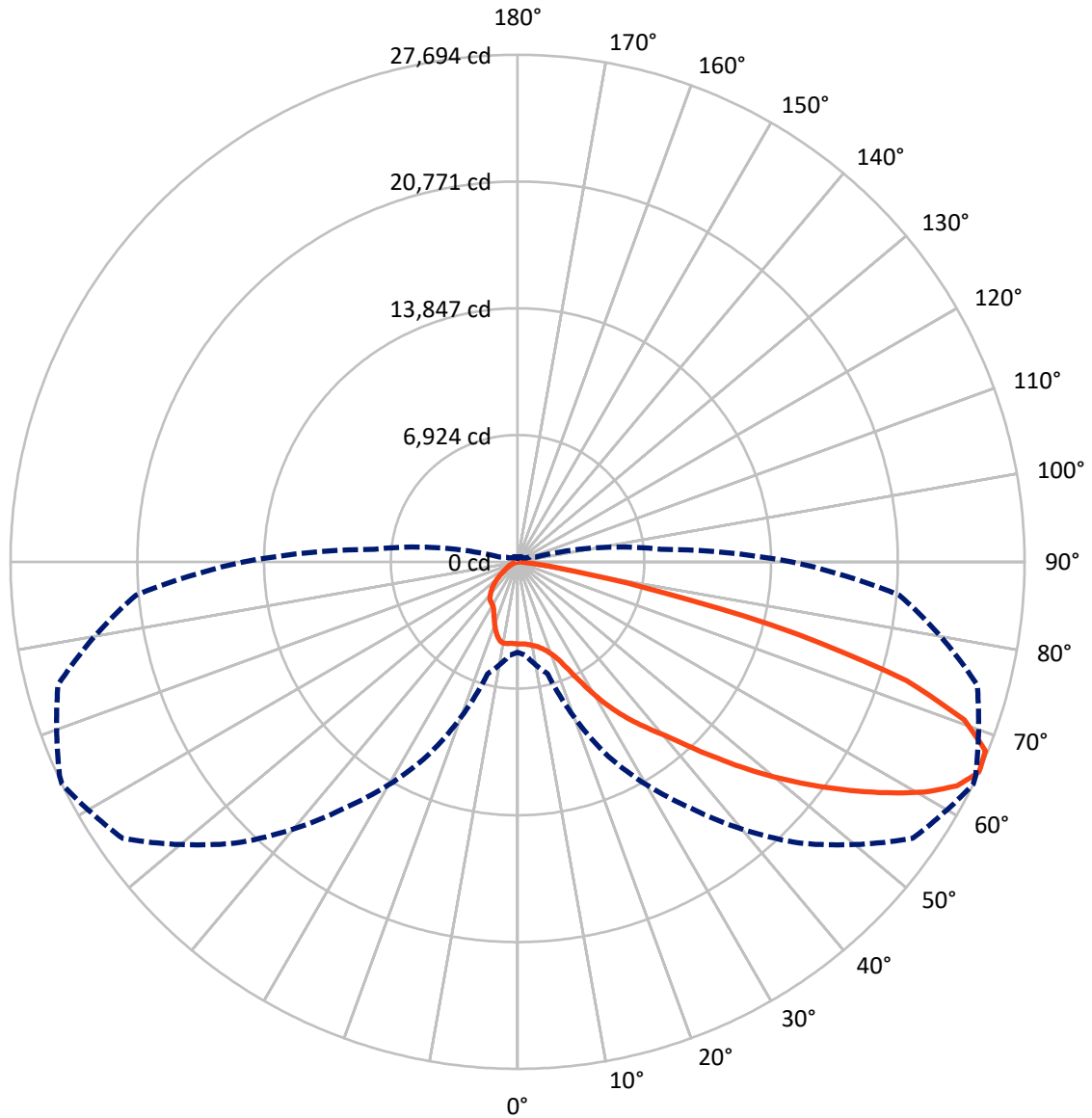
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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
House Side	Lumens	5160.3	0.0	5160.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	33426.7	0.0	33426.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	38587.0	0.0	38587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.1	1.1
10°-20°	1123.1	2.9
20°-30°	2128.1	5.5
30°-40°	4306.3	11.2
40°-50°	7335.9	19.0
50°-60°	9976.2	25.9
60°-70°	9368.2	24.3
70°-80°	3753.3	9.7
80°-90°	181.8	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°	38587.0	100.0
0°-180°	38587.0	100.0

Coefficient of Utilization



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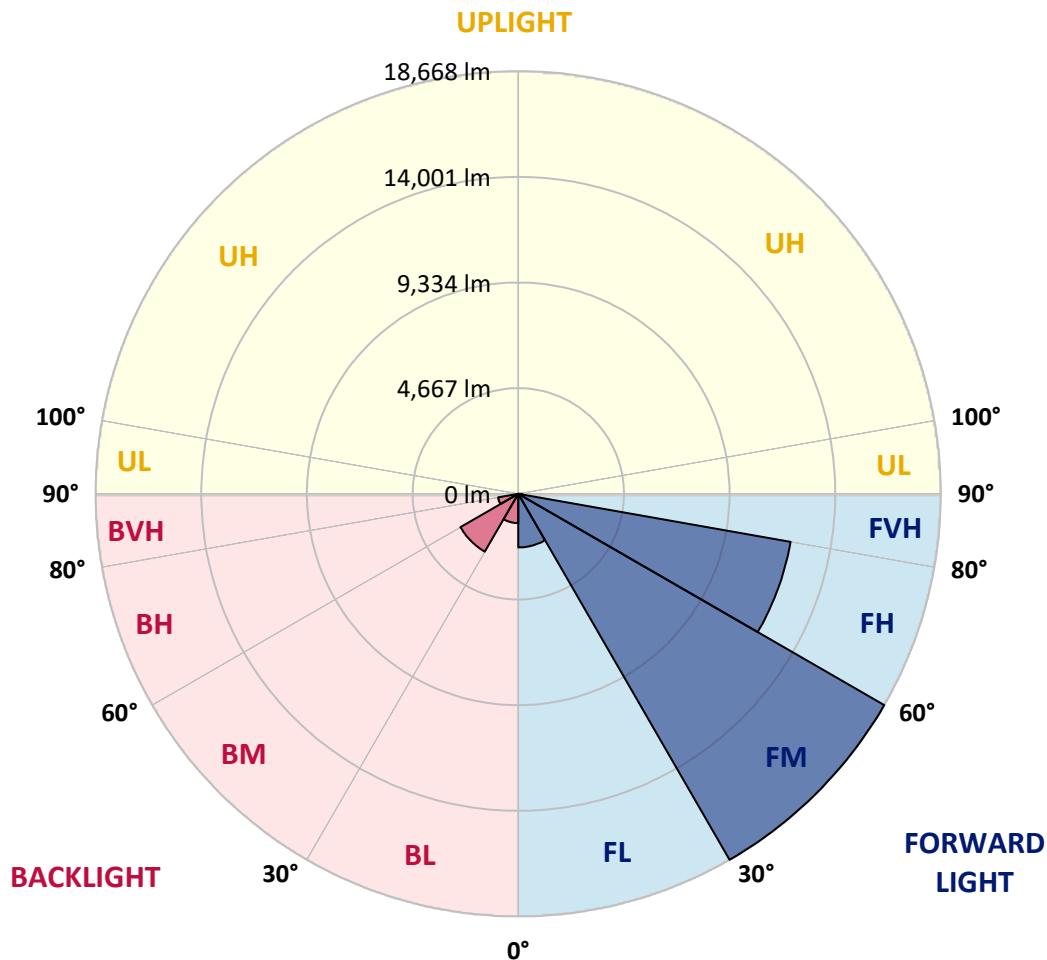
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2369.7	6.1			
FM (30°-60°)	18668.3	48.4			
FH (60°-80°)	12215.8	31.7			G5
FVH (80°-90°)	173.0	0.4			G2/225
BL (0°-30°)	1295.6	3.4	B3/2500		
BM (30°-60°)	2950.1	7.6	B3/5000		
BH (60°-80°)	905.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.9	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°	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1
2.5°	4472.5	4503.6	4495.8	4488.1	4485.5	4490.7	4493.2	4490.7	4490.7	4490.7
5°	4387.2	4413.1	4413.1	4431.2	4457.0	4488.1	4511.3	4516.5	4521.7	4529.5
7.5°	4224.2	4244.9	4260.4	4319.9	4384.6	4467.4	4537.2	4573.4	4578.6	4607.1
10°	4113.0	4138.9	4164.7	4226.8	4319.9	4444.1	4563.1	4651.0	4664.0	4731.2
12.5°	4107.8	4133.7	4167.3	4234.6	4343.2	4475.1	4620.0	4746.7	4770.0	4868.3
15°	4162.1	4193.2	4224.2	4307.0	4423.4	4583.8	4739.0	4896.8	4920.1	5059.7
17.5°	4273.4	4314.8	4338.0	4420.8	4545.0	4723.5	4927.8	5108.9	5129.6	5292.6
20°	4493.2	4542.4	4550.2	4617.4	4739.0	4930.4	5173.6	5398.6	5424.5	5610.7
22.5°	4948.5	5018.4	4956.3	4989.9	5098.5	5290.0	5553.8	5838.4	5874.6	6086.7
25°	5750.4	5848.7	5688.3	5631.4	5678.0	5877.2	6208.3	6567.8	6609.2	6780.0
27.5°	7325.8	7199.0	6955.9	6717.9	6578.2	6692.0	7064.5	7509.4	7561.2	7726.7
30°	9056.3	8945.1	8616.6	8088.9	7757.8	7739.7	8083.7	8580.4	8639.9	8797.6
32.5°	10789.5	10683.4	10326.4	9677.2	9102.9	8818.3	9056.3	9607.3	9638.4	9739.2
35°	12494.2	12385.5	12028.5	11363.7	10657.5	10010.9	9964.3	10585.1	10595.5	10701.5
37.5°	14209.2	14118.7	13738.4	13086.5	12390.7	11498.3	11066.3	11511.2	11524.1	11627.6
40°	15432.7	15471.6	15210.3	14705.9	14108.3	13133.1	12302.7	12496.7	12419.1	12592.5
42.5°	16483.0	16560.6	16332.9	16079.4	15732.8	14874.0	13834.1	13800.5	13676.3	13769.4
45°	17390.9	17455.6	17251.3	17191.8	17184.0	16581.3	15507.8	15306.0	15132.7	15114.6
47.5°	17724.6	17848.8	17936.8	18135.9	18524.0	18270.4	17238.3	16925.3	16731.3	16589.0
50°	17851.4	17983.3	18283.4	18862.8	19781.1	19889.8	18961.1	18609.3	18371.3	18112.7
52.5°	17680.7	17916.1	18319.6	19294.8	20627.0	21188.3	20614.1	20306.2	20034.6	19613.0
55°	16674.4	16909.8	17735.0	19289.6	21048.7	22098.9	22176.5	22039.4	21734.2	21069.3
57.5°	14553.2	14902.5	16208.8	18632.6	21040.9	22882.7	23707.9	23806.2	23464.7	22512.8
60°	11614.7	12088.0	13681.5	17176.2	20391.6	23306.9	25050.4	25541.9	25179.7	23935.5
62.5°	8104.4	8652.8	10160.9	14894.7	18906.8	23001.7	26030.8	26938.8	26664.6	25208.2
65°	4943.3	5119.2	6335.0	11720.7	16382.1	21723.8	26333.5	27694.1	27603.6	25986.8
67.5°	3293.0	3440.4	3789.6	8037.1	12716.6	19170.6	25609.2	27562.2	27588.0	25860.1
70°	1984.1	2110.8	2338.5	4674.3	8241.5	15174.1	23366.4	25880.8	26030.8	24165.7
72.5°	817.4	902.8	1109.7	2118.6	4268.2	9630.6	18606.7	22220.5	22569.7	20319.2
75°	463.0	507.0	651.9	1063.2	1852.1	4488.1	11270.6	15774.2	16289.0	14004.8
77.5°	307.8	328.5	421.6	688.1	1042.5	1531.4	4816.6	8218.2	9201.2	7649.1
80°	206.9	225.1	289.7	460.4	677.7	657.0	1534.0	3044.6	3745.7	2628.2
82.5°	139.7	142.3	206.9	302.7	429.4	318.2	452.7	946.8	1189.9	760.5
85°	80.2	77.6	152.6	175.9	191.4	131.9	137.1	284.5	372.5	320.8
87.5°	10.3	15.5	59.5	46.6	25.9	28.5	28.5	49.1	72.4	77.6
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°
4488.1	0°	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1	4488.1
4493.2	2.5°	4493.2	4490.7	4482.9	4475.1	4457.0	4446.7	4451.9	4446.7	4444.1	4446.7
4526.9	5°	4526.9	4519.1	4498.4	4472.5	4436.3	4392.4	4363.9	4322.5	4283.7	4260.4
4617.4	7.5°	4617.4	4609.6	4581.2	4508.8	4392.4	4208.7	4040.6	3893.1	3781.9	3717.2
4762.3	10°	4762.3	4749.3	4705.4	4545.0	4239.7	3838.8	3505.1	3228.3	3047.2	2961.9
4933.0	12.5°	4933.0	4917.5	4839.9	4511.3	3950.0	3324.0	2863.6	2555.7	2387.6	2312.6
5129.6	15°	5134.8	5114.1	4961.5	4351.0	3528.4	2754.9	2333.3	2103.1	1994.4	1927.2
5380.5	17.5°	5385.7	5349.5	5052.0	4110.4	3070.5	2320.3	2007.3	1834.0	1738.3	1673.6
5709.0	20°	5711.6	5652.1	5124.4	3823.3	2648.9	2046.1	1787.5	1642.6	1570.2	1513.3
6174.7	22.5°	6166.9	6081.5	5212.4	3512.9	2351.4	1857.3	1624.5	1518.4	1458.9	1394.3
6823.9	25°	6730.8	6629.9	5321.0	3225.7	2147.0	1694.3	1505.5	1417.6	1347.7	1272.7
7675.0	27.5°	7519.8	7338.7	5450.4	2990.3	1971.1	1554.7	1396.9	1298.6	1218.4	1156.3
8639.9	30°	8399.3	8101.8	5564.2	2848.0	1810.7	1425.3	1254.6	1156.3	1081.3	1037.3
9506.4	32.5°	9232.2	8828.7	5639.2	2786.0	1665.9	1277.9	1099.4	993.3	936.4	923.5
10354.9	35°	10018.6	9485.7	5631.4	2726.5	1536.5	1130.4	946.8	838.1	794.1	801.9
11268.0	37.5°	10924.0	10186.8	5577.1	2633.3	1430.5	995.9	814.8	719.1	680.3	682.9
12377.8	40°	11976.8	10996.4	5543.5	2457.4	1314.1	871.7	706.2	628.6	600.1	589.8
13547.0	42.5°	13099.5	11780.2	5548.6	2258.3	1169.2	760.5	631.2	566.5	540.6	532.9
14848.1	45°	14227.3	12527.8	5556.4	2051.3	1016.6	675.2	576.9	522.5	507.0	496.7
16167.4	47.5°	15287.9	13164.1	5411.6	1828.9	866.6	610.5	532.9	496.7	483.7	470.8
17491.8	50°	16276.0	13588.4	5062.3	1570.2	747.6	558.7	499.2	473.4	460.4	447.5
18692.1	52.5°	17044.3	13655.6	4485.5	1303.7	664.8	519.9	478.6	455.3	439.8	426.8
19662.1	55°	17385.8	13234.0	3665.5	1055.4	600.1	486.3	457.9	434.6	416.5	403.5
20425.2	57.5°	17297.8	12346.7	2858.4	848.5	538.1	452.7	432.0	416.5	395.8	375.1
21043.5	60°	16865.8	11159.4	2154.8	706.2	481.1	416.5	403.5	390.6	362.1	331.1
21281.5	62.5°	16118.2	9666.8	1536.5	584.6	419.1	375.1	369.9	359.6	318.2	261.3
20929.7	65°	14974.9	7853.5	1034.7	486.3	359.6	328.5	331.1	313.0	258.7	194.0
19641.4	67.5°	13303.8	5742.7	662.2	398.4	300.1	274.2	276.8	266.4	219.9	165.6
17199.5	70°	11174.9	3802.6	432.0	302.7	240.6	212.1	227.6	230.2	186.2	134.5
13200.4	72.5°	8192.3	2245.3	302.7	225.1	175.9	147.4	186.2	191.4	150.0	100.9
7941.4	75°	4669.1	1065.8	227.6	163.0	108.6	103.5	144.9	144.9	103.5	67.3
3437.8	77.5°	1960.8	444.9	160.4	106.1	62.1	59.5	98.3	90.5	51.7	31.0
838.1	80°	566.5	199.2	85.4	51.7	25.9	23.3	38.8	28.5	12.9	5.2
318.2	82.5°	222.5	88.0	33.6	20.7	10.3	10.3	5.2	0.0	0.0	0.0
181.1	85°	131.9	36.2	15.5	7.8	2.6	0.0	0.0	0.0	0.0	0.0
38.8	87.5°	33.6	7.8	5.2	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°
4488.1
4457.0
4265.6
3719.8
2954.1
2304.8
1929.7
1668.5
1502.9
1383.9
1264.9
1143.4
1029.5
931.2
801.9
693.3
587.2
530.3
496.7
470.8
447.5
424.2
401.0
372.5
325.9
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