

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: P850015

Luminaire Tested: **GLAN-SB7B-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850015
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-SB7B-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 450mA 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: 23316 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

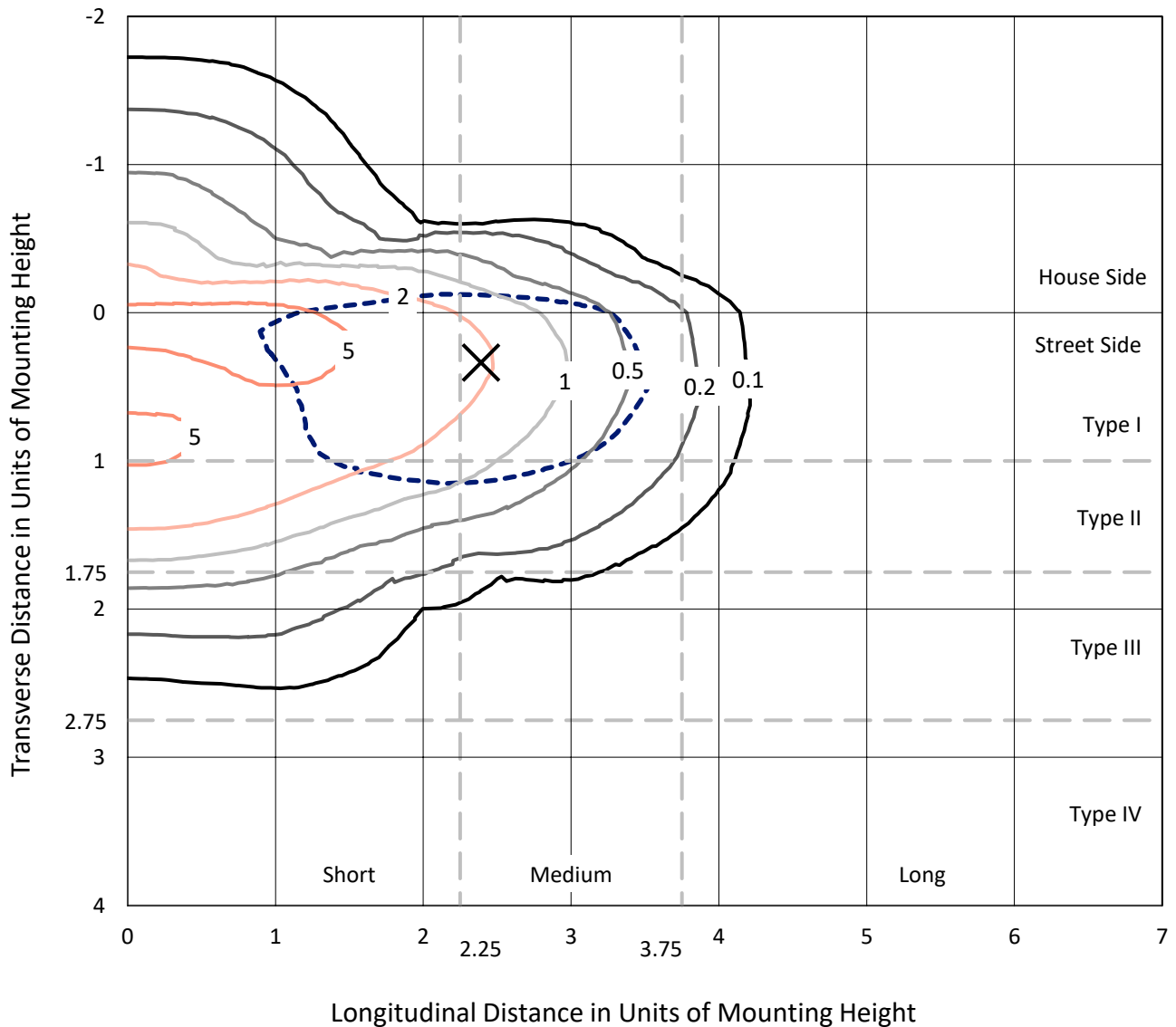
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

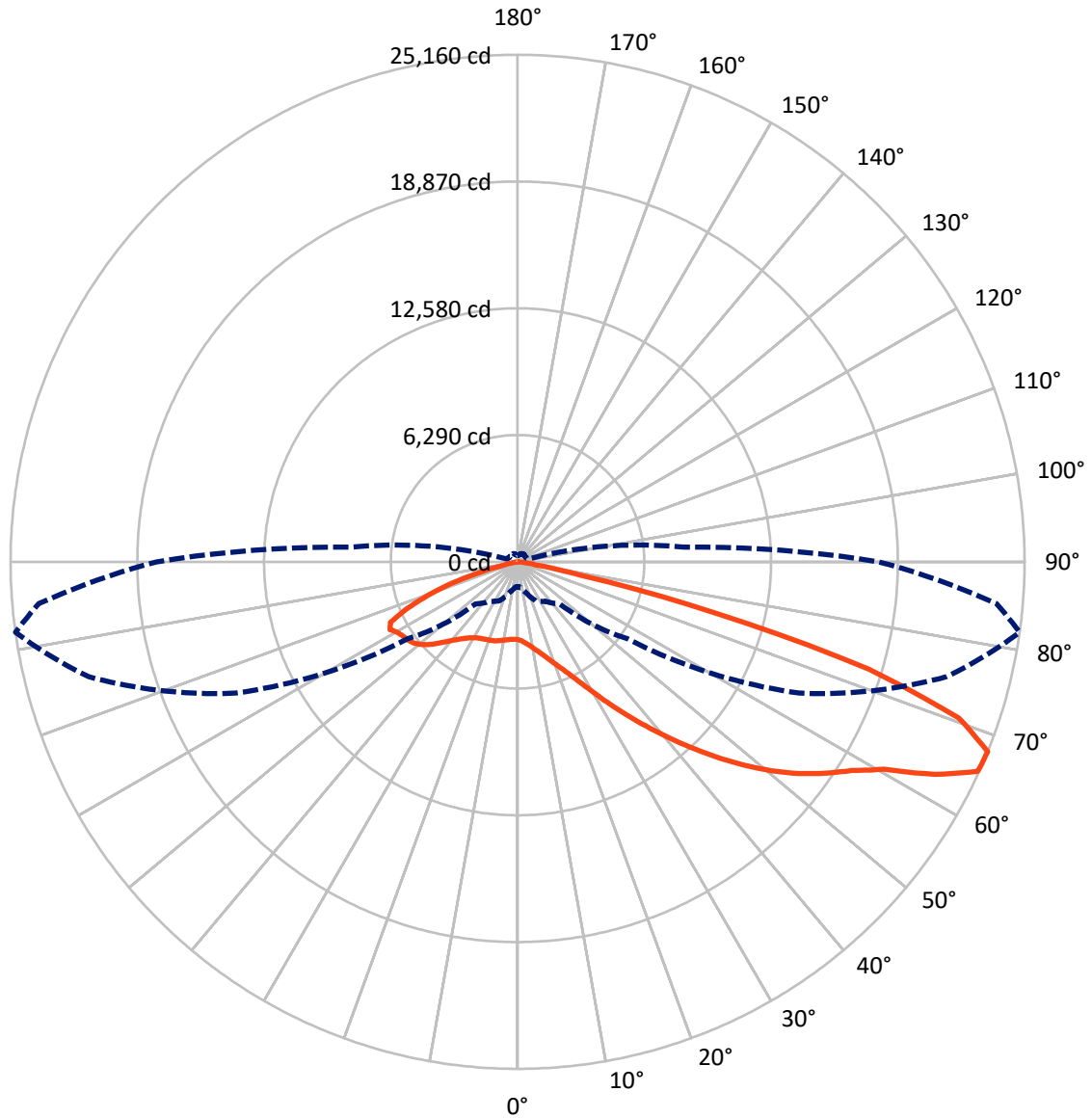
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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
House Side	Lumens	4223.5	0.0	4223.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19092.5	0.0	19092.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	23316.0	0.0	23316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.1	1.5
10°-20°	894.3	3.8
20°-30°	1432.3	6.1
30°-40°	2532.8	10.9
40°-50°	4437.7	19.0
50°-60°	5918.7	25.4
60°-70°	5510.0	23.6
70°-80°	2114.7	9.1
80°-90°	131.3	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°	23316.0	100.0
0°-180°	23316.0	100.0

Coefficient of Utilization

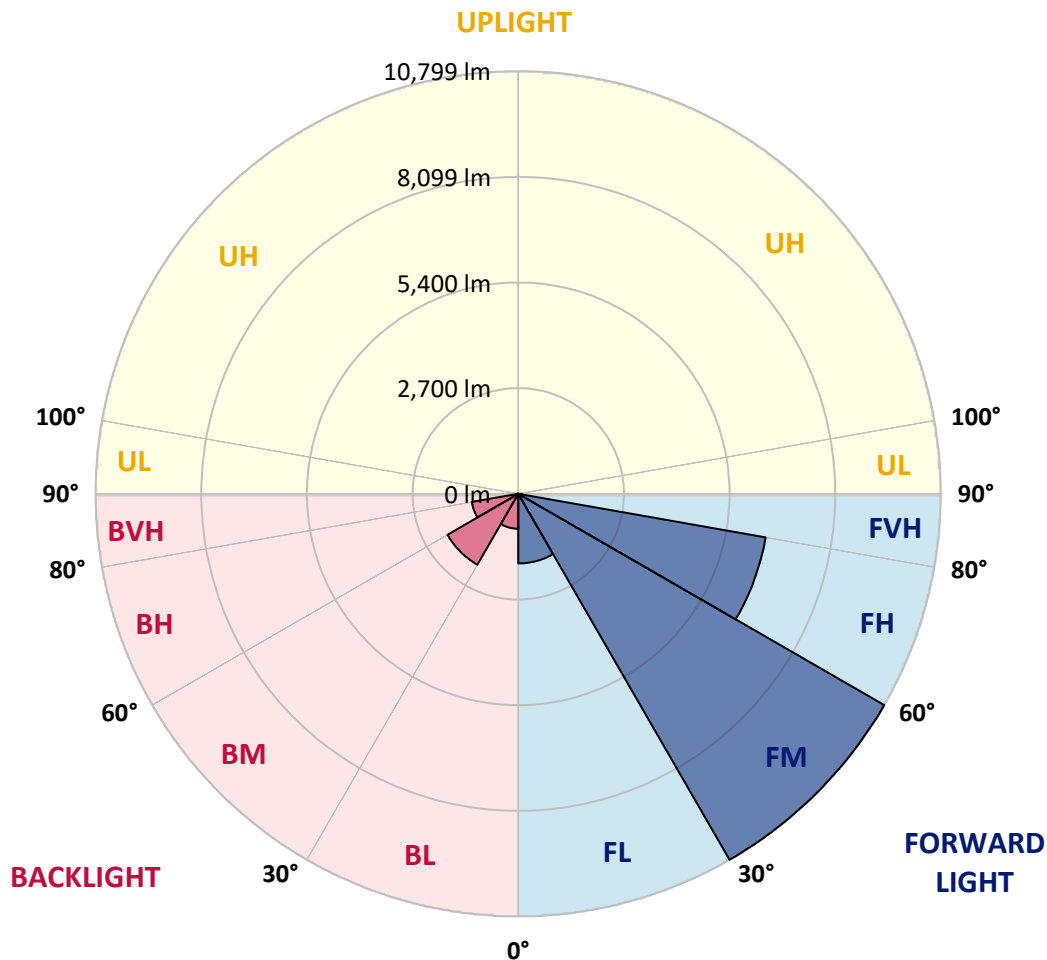


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1778.8	7.6			
FM (30°-60°)	10799.0	46.3			
FH (60°-80°)	6419.3	27.5			G3/7500
FVH (80°-90°)	95.5	0.4			G1/100
BL (0°-30°)	892.0	3.8	B2/1000		
BM (30°-60°)	2090.2	9.0	B2/2500		
BH (60°-80°)	1205.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	35.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7
2.5°	4082.6	4106.1	4092.7	4085.9	4074.2	4057.4	4044.0	4002.0	3958.4	3929.8
5°	4164.8	4188.3	4186.7	4193.4	4201.8	4206.8	4203.4	4156.4	4094.3	4045.6
7.5°	4094.3	4121.2	4143.0	4176.6	4235.3	4297.5	4327.7	4317.6	4253.8	4186.7
10°	3894.6	3923.1	3975.1	4054.0	4178.3	4312.6	4425.0	4477.1	4436.8	4362.9
12.5°	3528.6	3557.2	3659.6	3830.8	4038.9	4272.3	4487.1	4626.5	4636.5	4562.7
15°	3117.3	3145.9	3255.0	3469.9	3787.1	4161.5	4520.7	4784.3	4873.2	4809.5
17.5°	2862.2	2887.4	2969.6	3142.5	3473.2	3939.9	4509.0	4952.1	5155.3	5104.9
20°	2785.0	2806.8	2845.4	2966.3	3241.6	3709.9	4431.7	5109.9	5459.1	5430.6
22.5°	2867.2	2887.4	2899.1	2952.8	3125.7	3558.8	4334.4	5271.1	5811.6	5815.0
25°	3056.9	3077.0	3063.6	3097.2	3172.7	3511.8	4297.5	5460.8	6254.8	6291.7
27.5°	3369.1	3370.8	3338.9	3337.2	3349.0	3582.3	4336.1	5663.9	6813.8	6882.6
30°	3995.3	3970.1	3847.6	3714.9	3654.5	3793.8	4443.5	5904.0	7473.5	7596.1
32.5°	4960.5	4923.6	4698.7	4381.4	4062.4	4134.6	4636.5	6177.6	8192.0	8413.6
35°	6008.0	5998.0	5763.0	5291.2	4733.9	4619.8	4950.5	6536.8	8976.0	9328.5
37.5°	6981.7	6976.6	6842.4	6286.7	5608.5	5296.3	5454.1	7006.9	9815.3	10325.6
40°	7871.4	7886.5	7752.2	7255.3	6572.1	6164.2	6139.0	7587.7	10748.7	11411.8
42.5°	8640.2	8657.0	8521.0	8153.4	7523.9	7124.4	6980.0	8299.5	11660.2	12578.4
45°	9162.3	9266.4	9246.2	8952.5	8500.9	8086.3	7990.6	9192.5	12699.3	13815.6
47.5°	9310.0	9405.7	9556.8	9597.1	9321.8	8913.9	9028.0	10268.6	13750.2	15054.5
50°	8945.8	9034.7	9348.6	9766.6	9958.0	9832.1	10036.9	11421.8	14826.2	16290.0
52.5°	8227.3	8317.9	8714.1	9375.5	10156.1	10552.3	11049.2	12558.3	15868.7	17460.1
55°	7188.2	7283.8	7792.5	8541.2	9778.4	10849.4	11893.5	13693.1	16823.9	18512.6
57.5°	5774.7	5845.2	6374.0	7421.5	8828.2	10553.9	12516.3	14932.0	17723.6	19546.7
60°	3763.6	3825.7	4440.1	5608.5	7253.6	9566.9	12640.6	16313.5	18918.9	20891.3
62.5°	2502.9	2544.9	2909.2	3767.0	5108.3	7671.6	11913.7	17416.4	20671.4	23231.4
65°	1717.3	1759.3	2123.5	2721.2	3300.3	5074.7	9823.7	17270.4	22259.5	25089.7
67.5°	1225.4	1260.7	1569.6	2133.6	2388.8	2947.8	6659.4	15403.7	22031.2	25160.2
70°	878.0	898.1	1153.3	1661.9	1898.6	1771.0	3703.2	11781.1	19289.9	23233.1
72.5°	614.4	621.1	800.7	1265.7	1529.3	1292.6	1762.6	7854.6	14589.5	18235.6
75°	416.3	424.7	538.9	928.3	1227.1	987.1	933.4	4211.8	8564.7	10094.0
77.5°	255.2	258.5	347.5	634.5	918.2	752.1	601.0	1784.5	3313.7	3253.3
80°	144.4	144.4	221.6	394.5	626.2	485.1	421.4	758.8	1049.2	921.6
82.5°	80.6	82.3	161.2	245.1	414.6	287.1	231.7	350.8	453.2	401.2
85°	33.6	36.9	99.0	115.8	198.1	142.7	94.0	147.7	167.9	149.4
87.5°	3.4	5.0	30.2	21.8	23.5	28.5	13.4	28.5	23.5	23.5
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°
3862.7	0°	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7
3919.7	2.5°	3887.9	3862.7	3798.9	3725.0	3627.7	3580.7	3516.9	3473.2	3436.3	3439.6
4017.1	5°	3963.4	3899.6	3756.9	3579.0	3357.4	3199.6	3031.7	2915.9	2821.9	2801.7
4151.4	7.5°	4067.5	3966.8	3716.6	3396.0	3021.6	2737.9	2484.5	2321.6	2205.8	2168.9
4314.2	10°	4201.8	4055.7	3664.6	3166.0	2627.2	2266.2	1994.3	1866.7	1787.8	1760.9
4505.6	12.5°	4357.9	4158.1	3595.8	2885.7	2220.9	1873.4	1700.5	1636.7	1611.5	1603.2
4740.6	15°	4554.3	4285.7	3491.7	2553.3	1876.8	1633.4	1559.5	1551.1	1554.5	1551.1
5022.6	17.5°	4787.6	4425.0	3322.1	2210.8	1645.1	1510.8	1484.0	1490.7	1499.1	1497.4
5338.2	20°	5042.8	4562.7	3105.6	1907.0	1487.3	1423.5	1408.4	1415.1	1421.9	1418.5
5702.5	22.5°	5333.2	4710.4	2865.5	1670.3	1381.6	1343.0	1326.2	1327.8	1327.8	1321.1
6164.2	25°	5680.7	4873.2	2613.7	1502.4	1301.0	1270.8	1250.6	1243.9	1233.8	1213.7
6724.8	27.5°	6095.3	5046.2	2372.0	1384.9	1237.2	1208.7	1185.2	1168.4	1143.2	1109.6
7398.0	30°	6562.0	5256.0	2167.2	1311.1	1186.8	1158.3	1131.4	1106.3	1069.3	1027.4
8171.9	32.5°	7110.9	5480.9	2017.8	1262.4	1141.5	1111.3	1079.4	1049.2	1008.9	966.9
9041.4	35°	7765.6	5752.9	1930.5	1228.8	1106.3	1066.0	1030.7	997.1	966.9	930.0
9986.5	37.5°	8475.7	6041.6	1903.6	1212.0	1082.8	1020.6	980.4	956.9	953.5	931.7
11008.9	40°	9253.0	6384.1	1923.8	1201.9	1057.6	977.0	933.4	928.3	936.7	898.1
12101.7	42.5°	10075.5	6790.3	1957.4	1190.2	1022.3	933.4	891.4	891.4	884.7	831.0
13256.6	45°	10965.2	7258.7	1990.9	1161.7	980.4	889.7	857.8	846.1	817.5	765.5
14418.3	47.5°	11861.6	7735.4	2016.1	1109.6	930.0	852.8	824.2	797.4	755.4	708.4
15558.1	50°	12712.7	8163.5	1989.3	1032.4	872.9	817.5	787.3	750.4	705.1	673.2
16637.5	52.5°	13473.2	8534.5	1875.1	941.7	812.5	780.6	753.7	715.1	678.2	644.6
17611.2	55°	14134.6	8835.0	1673.7	856.1	758.8	748.7	721.8	673.2	622.8	594.3
18576.4	57.5°	14769.1	9063.3	1421.9	785.6	710.1	713.4	673.2	629.5	582.5	552.3
19877.4	60°	15613.5	9368.8	1166.7	720.2	658.0	668.1	624.5	592.6	533.8	495.2
22108.4	62.5°	16963.2	9843.9	926.6	639.6	597.6	601.0	582.5	543.9	473.4	428.1
23761.9	65°	18034.2	9669.3	730.2	552.3	528.8	533.8	533.8	491.9	416.3	364.3
23850.9	67.5°	17913.3	8279.3	582.5	466.7	463.3	466.7	478.4	443.2	369.3	327.3
22034.5	70°	16501.6	6585.5	466.7	387.8	402.9	394.5	428.1	404.6	332.4	290.4
17082.4	72.5°	13464.8	4744.0	355.9	320.6	308.9	322.3	386.1	364.3	277.0	230.0
9048.2	75°	7868.0	2531.5	265.2	253.5	223.3	268.6	342.5	310.6	211.5	169.5
2773.2	77.5°	2561.7	883.0	194.7	186.3	166.2	216.6	292.1	261.9	172.9	134.3
812.5	80°	686.6	266.9	132.6	122.5	107.4	161.2	231.7	208.2	124.2	87.3
349.2	82.5°	275.3	112.5	77.2	68.8	58.8	110.8	183.0	167.9	92.3	55.4
109.1	85°	89.0	36.9	28.5	21.8	26.9	68.8	109.1	114.2	65.5	28.5
16.8	87.5°	11.8	5.0	5.0	6.7	5.0	11.8	33.6	31.9	18.5	3.4
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°
3862.7
3406.1
2756.4
2131.9
1740.8
1598.1
1549.4
1494.0
1416.8
1317.8
1210.3
1106.3
1024.0
968.6
926.6
930.0
899.8
831.0
763.8
706.7
668.1
641.3
590.9
548.9
490.2
424.7
359.2
320.6
285.4
224.9
164.5
129.3
85.6
55.4
21.8
0.0
0.0

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