

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: P850565

Luminaire Tested: **GLAN-SB8A-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850565
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-SB8A-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 350mA 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: 22743 lumens
Efficiency: N/A
Efficacy: 100.1 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

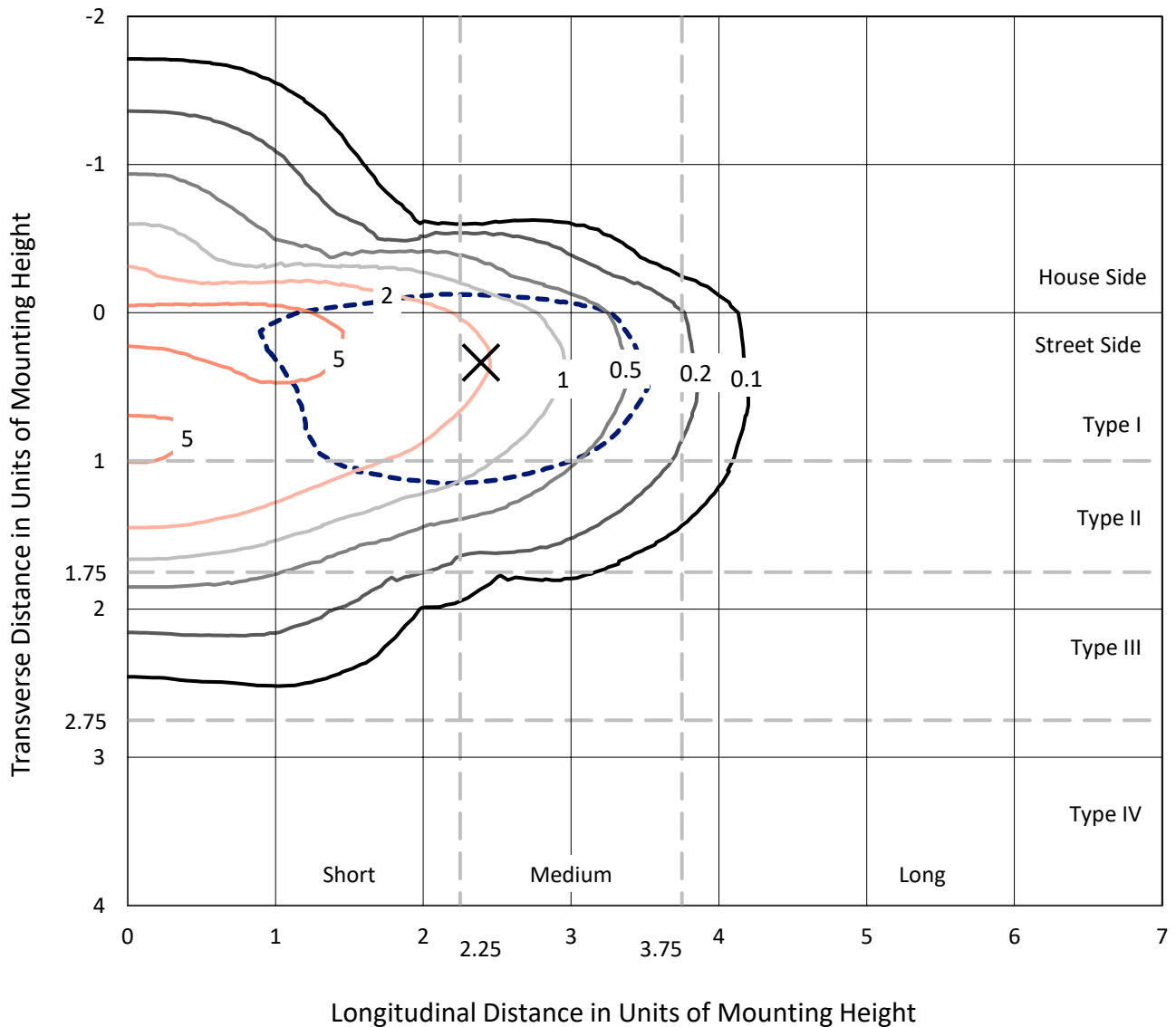
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

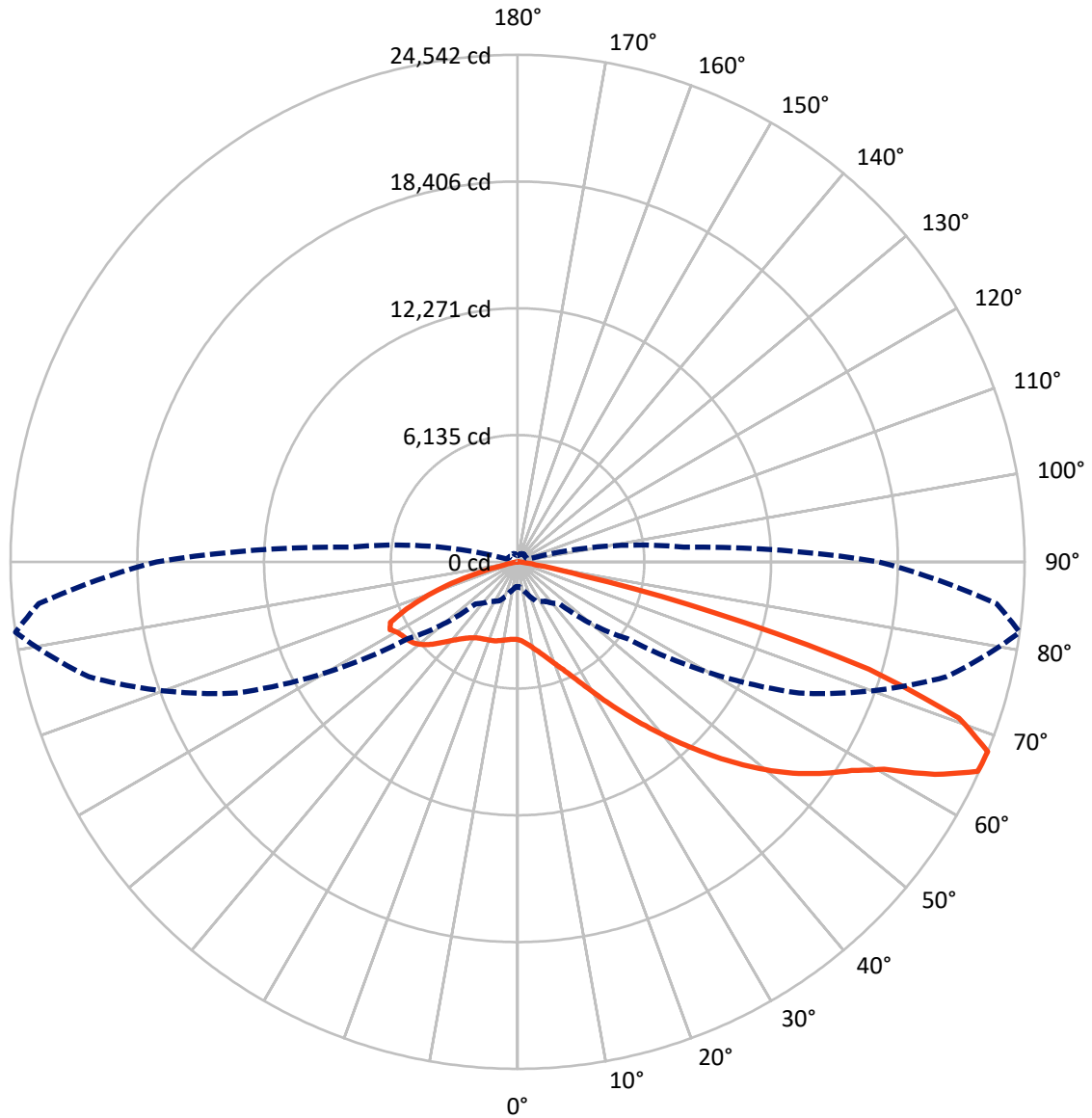
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	4119.7	0.0	4119.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	18623.3	0.0	18623.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	22743.0	0.0	22743.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.7	1.5
10°-20°	872.3	3.8
20°-30°	1397.1	6.1
30°-40°	2470.6	10.9
40°-50°	4328.7	19.0
50°-60°	5773.2	25.4
60°-70°	5374.6	23.6
70°-80°	2062.8	9.1
80°-90°	128.1	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°	22743.0	100.0
0°-180°	22743.0	100.0

Coefficient of Utilization

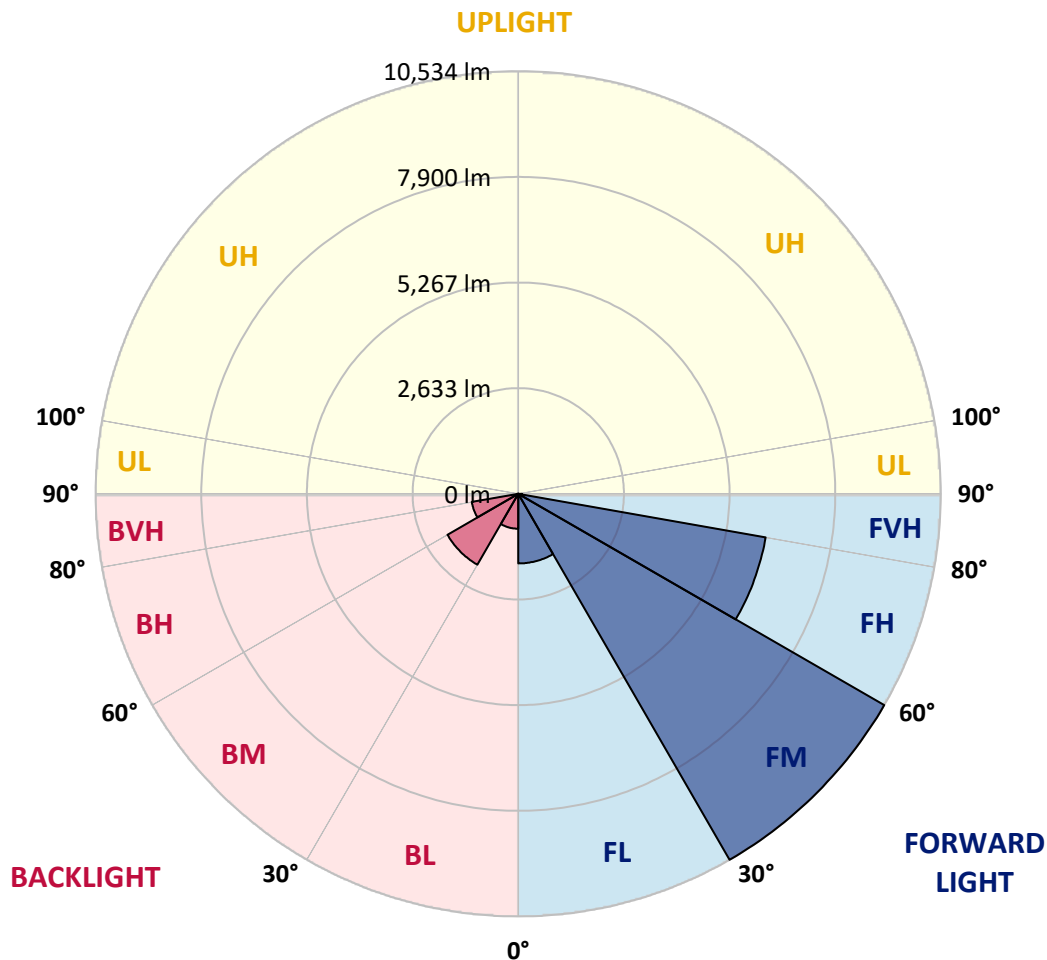


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1735.0	7.6			
FM (30°-60°)	10533.6	46.3			
FH (60°-80°)	6261.5	27.5			G3/7500
FVH (80°-90°)	93.1	0.4			G1/100
BL (0°-30°)	870.1	3.8	B2/1000		
BM (30°-60°)	2038.8	9.0	B2/2500		
BH (60°-80°)	1175.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	35.0	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°	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7
2.5°	3982.2	4005.2	3992.1	3985.5	3974.1	3957.7	3944.6	3903.7	3861.1	3833.2
5°	4062.5	4085.4	4083.8	4090.3	4098.5	4103.4	4100.1	4054.3	3993.7	3946.2
7.5°	3993.7	4019.9	4041.2	4073.9	4131.3	4191.8	4221.3	4211.5	4149.3	4083.8
10°	3798.9	3826.7	3877.5	3954.4	4075.6	4206.6	4316.3	4367.0	4327.7	4255.7
12.5°	3441.9	3469.7	3569.6	3736.6	3939.7	4167.3	4376.9	4512.8	4522.6	4450.6
15°	3040.7	3068.6	3175.0	3384.6	3694.1	4059.2	4409.6	4666.7	4753.5	4691.3
17.5°	2791.8	2816.4	2896.6	3065.3	3387.9	3843.1	4398.2	4830.4	5028.6	4979.4
20°	2716.5	2737.8	2775.5	2893.4	3161.9	3618.7	4322.8	4984.4	5324.9	5297.1
22.5°	2796.7	2816.4	2827.9	2880.3	3048.9	3471.4	4227.9	5141.6	5668.8	5672.1
25°	2981.8	3001.4	2988.3	3021.1	3094.8	3425.5	4191.8	5326.6	6101.1	6137.1
27.5°	3286.3	3288.0	3256.9	3255.2	3266.7	3494.3	4229.5	5524.7	6646.4	6713.5
30°	3897.1	3872.5	3753.0	3623.7	3564.7	3700.6	4334.3	5758.9	7289.9	7409.4
32.5°	4838.6	4802.6	4583.2	4273.7	3962.6	4033.0	4522.6	6025.8	7990.7	8206.8
35°	5860.4	5850.6	5621.3	5161.2	4617.6	4506.2	4828.8	6376.2	8755.4	9099.2
37.5°	6810.1	6805.2	6674.2	6132.2	5470.7	5166.1	5320.0	6834.7	9574.1	10071.9
40°	7677.9	7692.7	7561.7	7077.0	6410.6	6012.7	5988.1	7401.2	10484.5	11131.3
42.5°	8427.9	8444.3	8311.6	7953.0	7339.0	6949.3	6808.5	8095.5	11373.6	12269.3
45°	8937.1	9038.7	9019.0	8732.5	8292.0	7887.5	7794.2	8966.6	12387.2	13476.1
47.5°	9081.2	9174.6	9321.9	9361.2	9092.7	8694.8	8806.1	10016.2	13412.3	14684.5
50°	8725.9	8812.7	9118.9	9526.6	9713.3	9590.5	9790.2	11141.1	14461.9	15889.7
52.5°	8025.1	8113.5	8499.9	9145.1	9906.5	10292.9	10777.6	12249.7	15478.7	17031.0
55°	7011.5	7104.8	7601.0	8331.3	9538.1	10582.8	11601.3	13356.6	16410.4	18057.7
57.5°	5632.8	5701.6	6217.4	7239.1	8611.3	10294.6	12208.7	14565.0	17288.1	19066.3
60°	3671.1	3731.7	4331.0	5470.7	7075.4	9331.8	12329.9	15912.6	18453.9	20377.9
62.5°	2441.4	2482.4	2837.7	3674.4	4982.7	7483.1	11620.9	16988.4	20163.4	22660.5
65°	1675.1	1716.0	2071.4	2654.3	3219.2	4950.0	9582.3	16846.0	21712.4	24473.2
67.5°	1195.3	1229.7	1531.0	2081.2	2330.1	2875.3	6495.7	15025.1	21489.7	24541.9
70°	856.4	876.0	1124.9	1621.1	1851.9	1727.5	3612.2	11491.5	18815.8	22662.1
72.5°	599.3	605.9	781.1	1234.6	1491.7	1260.8	1719.3	7661.6	14231.0	17787.5
75°	406.1	414.3	525.6	905.5	1197.0	962.8	910.4	4108.3	8354.2	9845.9
77.5°	248.9	252.2	338.9	619.0	895.7	733.6	586.2	1740.6	3232.3	3173.4
80°	140.8	140.8	216.1	384.8	610.8	473.2	411.0	740.1	1023.4	899.0
82.5°	78.6	80.2	157.2	239.1	404.4	280.0	226.0	342.2	442.1	391.3
85°	32.7	36.0	96.6	113.0	193.2	139.2	91.7	144.1	163.7	145.7
87.5°	3.3	4.9	29.5	21.3	22.9	27.8	13.1	27.8	22.9	22.9
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°
3767.7	0°	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7	3767.7
3823.4	2.5°	3792.3	3767.7	3705.5	3633.5	3538.5	3492.7	3430.4	3387.9	3351.8	3355.1
3918.4	5°	3866.0	3803.8	3664.6	3491.0	3274.9	3121.0	2957.2	2844.2	2752.5	2732.9
4049.4	7.5°	3967.5	3869.3	3625.3	3312.5	2947.4	2670.7	2423.4	2264.6	2151.6	2115.6
4208.2	10°	4098.5	3956.1	3574.5	3088.2	2562.6	2210.5	1945.3	1820.8	1743.9	1717.7
4394.9	12.5°	4250.8	4055.9	3507.4	2814.8	2166.3	1827.4	1658.7	1596.5	1571.9	1563.8
4624.1	15°	4442.4	4180.4	3405.9	2490.5	1830.7	1593.2	1521.2	1513.0	1516.3	1513.0
4899.2	17.5°	4670.0	4316.3	3240.5	2156.5	1604.7	1473.7	1447.5	1454.0	1462.2	1460.6
5207.1	20°	4918.9	4450.6	3029.3	1860.1	1450.8	1388.5	1373.8	1380.4	1386.9	1383.6
5562.4	22.5°	5202.1	4594.7	2795.1	1629.3	1347.6	1310.0	1293.6	1295.2	1295.2	1288.7
6012.7	25°	5541.1	4753.5	2549.5	1465.5	1269.0	1239.5	1219.9	1213.3	1203.5	1183.9
6559.6	27.5°	5945.5	4922.1	2313.7	1350.9	1206.8	1179.0	1156.0	1139.7	1115.1	1082.3
7216.2	30°	6400.7	5126.8	2113.9	1278.8	1157.7	1129.8	1103.6	1079.1	1043.0	1002.1
7971.0	32.5°	6936.2	5346.2	1968.2	1231.4	1113.5	1084.0	1052.9	1023.4	984.1	943.2
8819.2	35°	7574.8	5611.5	1883.1	1198.6	1079.1	1039.8	1005.4	972.6	943.2	907.1
9741.1	37.5°	8267.4	5893.1	1856.9	1182.2	1056.1	995.6	956.3	933.3	930.1	908.8
10738.3	40°	9025.6	6227.2	1876.5	1172.4	1031.6	953.0	910.4	905.5	913.7	876.0
11804.3	42.5°	9827.9	6623.4	1909.3	1160.9	997.2	910.4	869.5	869.5	862.9	810.5
12930.8	45°	10695.7	7080.3	1942.0	1133.1	956.3	867.8	836.7	825.3	797.4	746.7
14064.0	47.5°	11570.1	7545.3	1966.6	1082.3	907.1	831.8	804.0	777.8	736.8	691.0
15175.8	50°	12400.3	7962.9	1940.4	1007.0	851.5	797.4	768.0	731.9	687.7	656.6
16228.7	52.5°	13142.1	8324.7	1829.0	918.6	792.5	761.4	735.2	697.5	661.5	628.8
17178.4	55°	13787.2	8617.8	1632.5	835.1	740.1	730.3	704.1	656.6	607.5	579.7
18119.9	57.5°	14406.2	8840.5	1386.9	766.3	692.6	695.9	656.6	614.0	568.2	538.7
19388.9	60°	15229.8	9138.5	1138.0	702.5	641.9	651.7	609.1	578.0	520.7	483.0
21565.1	62.5°	16546.3	9601.9	903.9	623.9	582.9	586.2	568.2	530.5	461.8	417.5
23177.9	65°	17591.0	9431.6	712.3	538.7	515.8	520.7	520.7	479.8	406.1	355.3
23264.7	67.5°	17473.1	8075.8	568.2	455.2	451.9	455.2	466.7	432.3	360.2	319.3
21493.0	70°	16096.0	6423.7	455.2	378.2	393.0	384.8	417.5	394.6	324.2	283.3
16662.6	72.5°	13133.9	4627.4	347.1	312.8	301.3	314.4	376.6	355.3	270.2	224.3
8825.8	75°	7674.7	2469.3	258.7	247.3	217.8	262.0	334.0	302.9	206.3	165.4
2705.0	77.5°	2498.7	861.3	189.9	181.8	162.1	211.2	284.9	255.4	168.7	131.0
792.5	80°	669.7	260.4	129.4	119.5	104.8	157.2	226.0	203.0	121.2	85.1
340.6	82.5°	268.5	109.7	75.3	67.1	57.3	108.1	178.5	163.7	90.1	54.0
106.4	85°	86.8	36.0	27.8	21.3	26.2	67.1	106.4	111.3	63.9	27.8
16.4	87.5°	11.5	4.9	4.9	6.5	4.9	11.5	32.7	31.1	18.0	3.3
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°
3767.7
3322.4
2688.7
2079.5
1698.0
1558.8
1511.4
1457.3
1382.0
1285.4
1180.6
1079.1
998.8
944.8
903.9
907.1
877.7
810.5
745.0
689.4
651.7
625.5
576.4
535.4
478.1
414.3
350.4
312.8
278.4
219.4
160.5
126.1
83.5
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