

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: P938868

Luminaire Tested: **GLAN-SB1A-940-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-940-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

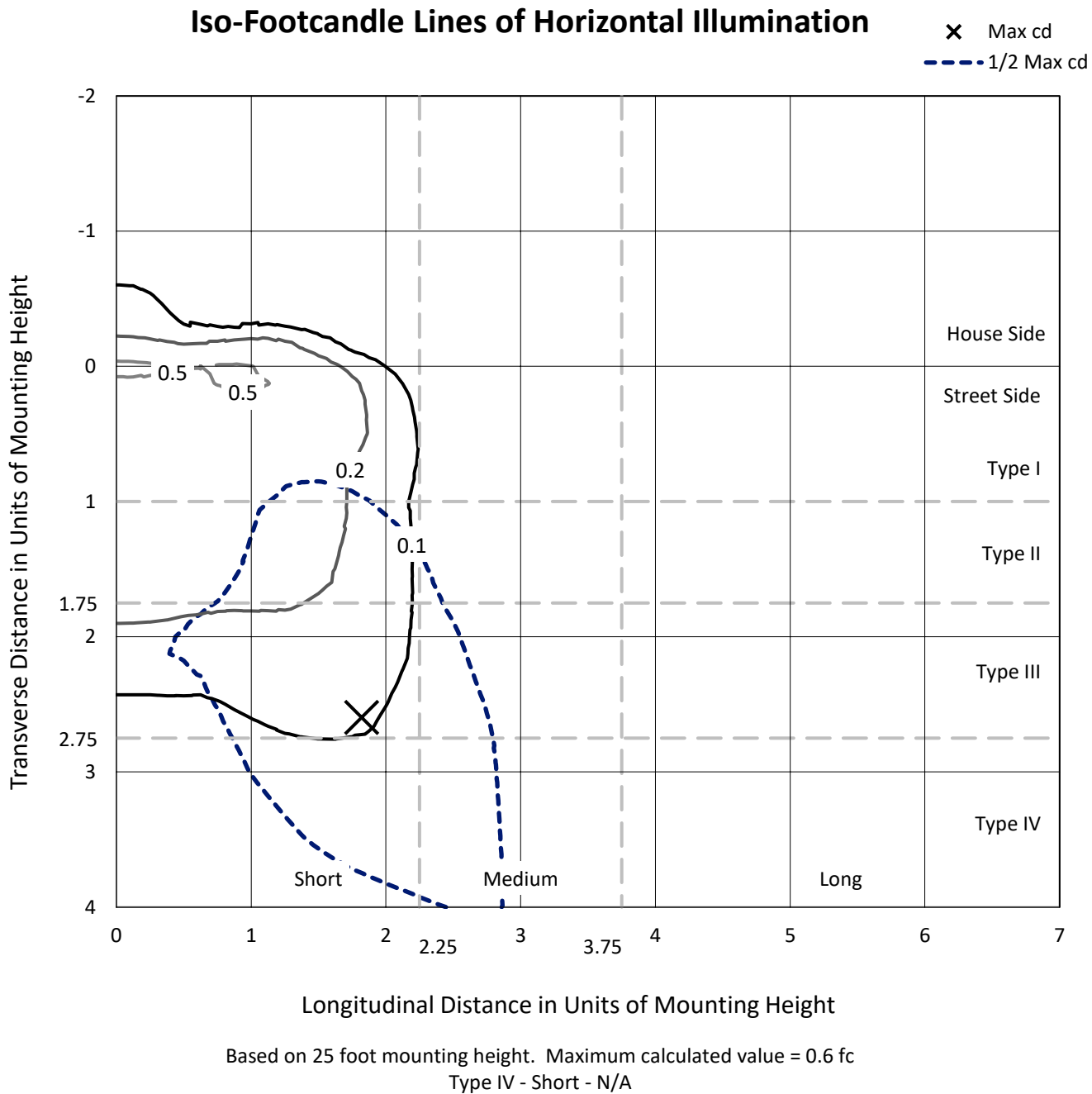
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2462 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

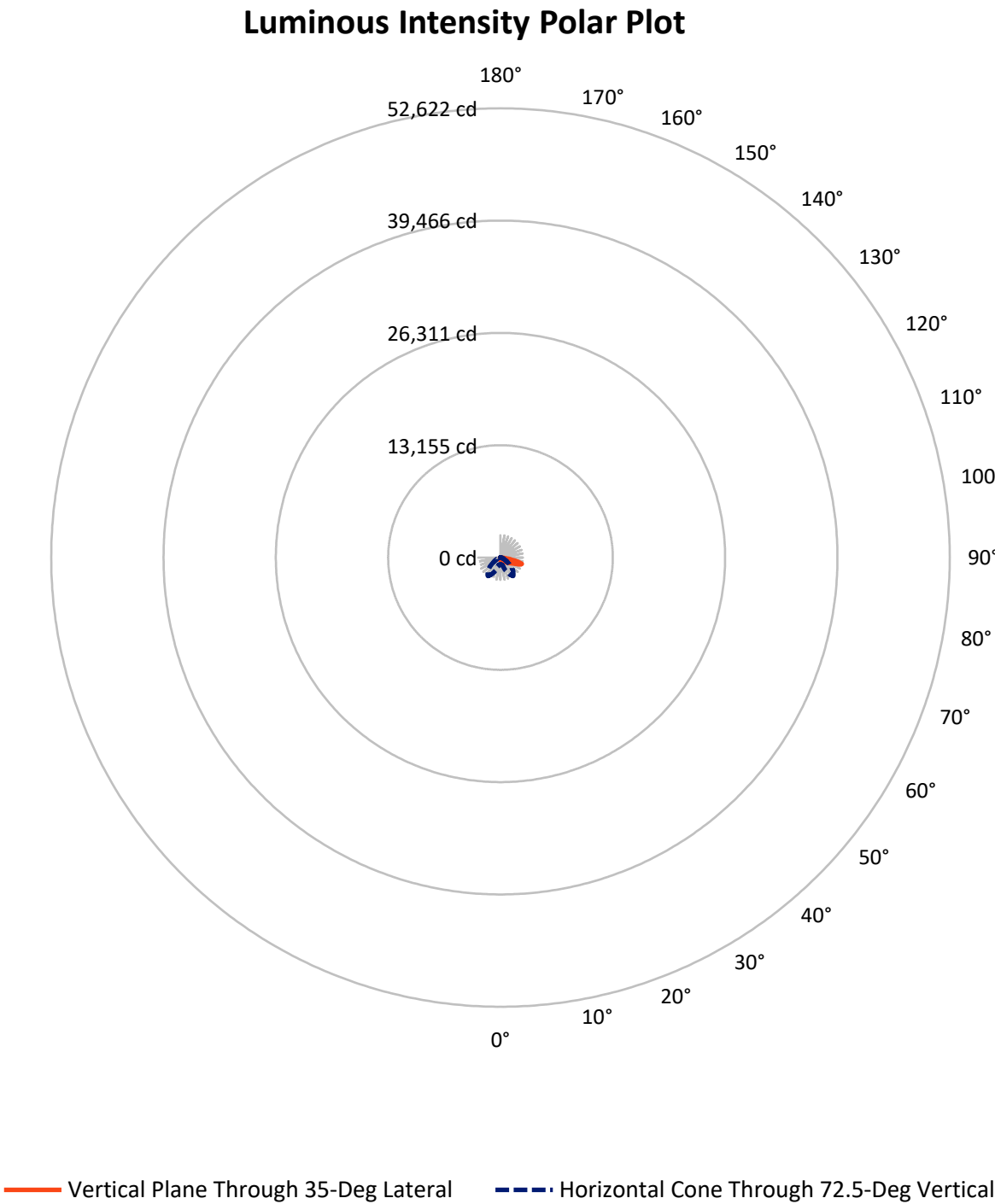
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	277.1	0.0	277.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2184.9	0.0	2184.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	2462.0	0.0	2462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	1.2
10°-20°	68.6	2.8
20°-30°	111.4	4.5
30°-40°	185.9	7.6
40°-50°	351.8	14.3
50°-60°	559.0	22.7
60°-70°	691.5	28.1
70°-80°	429.8	17.5
80°-90°	34.7	1.4
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°	2462.0	100.0
0°-180°	2462.0	100.0

Coefficient of Utilization



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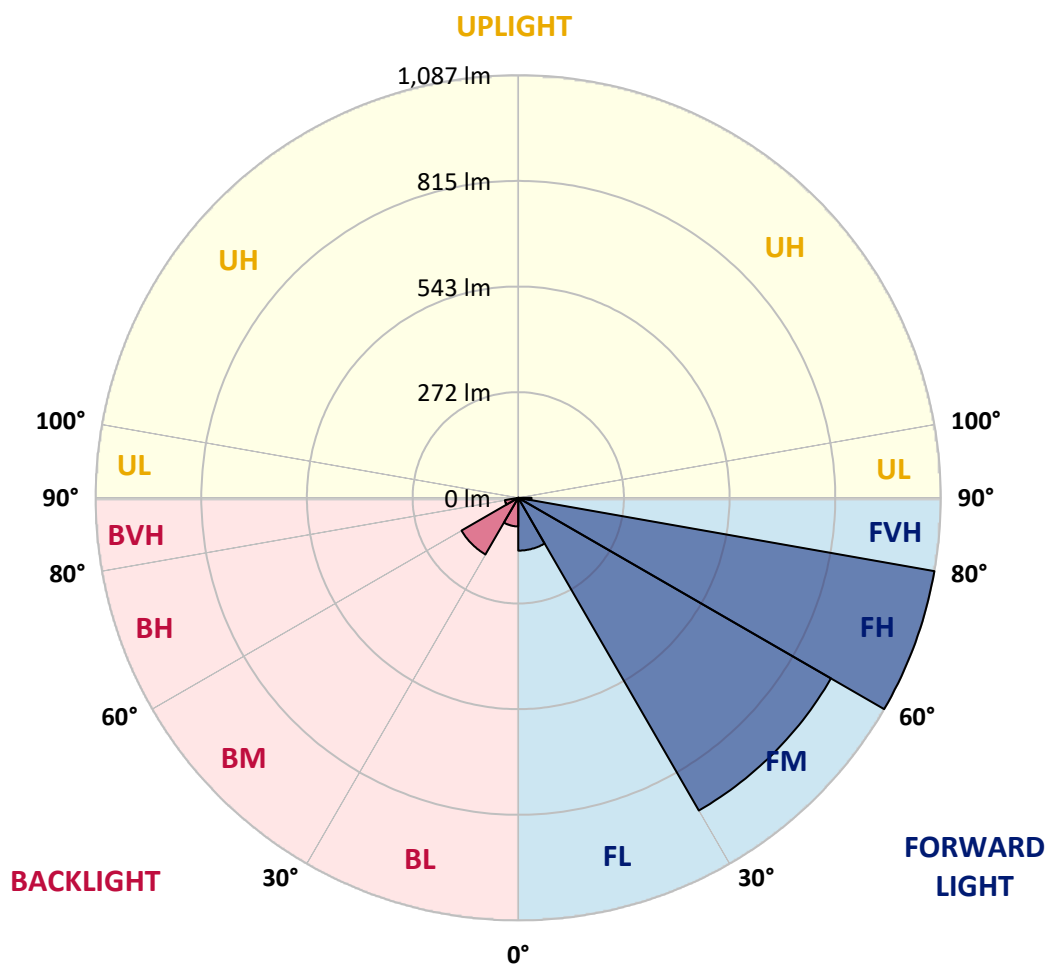
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.7	5.5			
FM	(30°-60°)	928.4	37.7			
FH	(60°-80°)	1086.5	44.1			G1/1800
FVH	(80°-90°)	34.3	1.4			G1/100
BL	(0°-30°)	73.6	3.0	B0/110		
BM	(30°-60°)	168.2	6.8	B0/220		
BH	(60°-80°)	34.8	1.4	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8
2.5°	341.0	343.8	344.4	345.3	345.3	346.4	348.2	350.7	354.8	357.0
5°	314.3	316.4	319.1	321.3	325.4	326.0	333.0	339.9	349.4	356.6
7.5°	287.4	289.9	293.5	298.7	304.2	305.8	316.4	328.0	343.1	356.6
10°	268.4	268.6	271.9	277.1	285.7	287.7	300.7	317.1	336.1	354.5
12.5°	257.8	259.1	260.5	264.5	272.8	274.0	287.9	307.2	329.0	353.2
15°	257.8	258.7	259.6	261.6	268.3	269.3	281.6	300.9	325.4	353.8
17.5°	260.5	261.9	261.2	263.6	270.6	271.3	282.1	299.1	325.3	357.2
20°	267.0	268.1	266.6	268.1	275.1	276.5	287.7	302.5	328.3	363.1
22.5°	277.3	277.8	274.4	275.5	282.7	284.5	297.5	312.3	335.7	372.7
25°	290.3	291.3	286.1	287.4	294.2	296.4	311.4	326.9	347.4	385.9
27.5°	305.2	305.8	301.3	301.1	309.9	313.0	328.1	344.9	363.1	402.5
30°	322.4	324.0	319.7	318.9	330.1	332.7	347.6	367.1	386.2	427.4
32.5°	335.9	337.2	334.6	336.4	347.8	349.8	371.3	398.5	422.5	462.7
35°	355.4	356.1	350.3	353.6	366.6	371.6	403.5	442.5	468.1	507.1
37.5°	425.9	425.9	401.4	385.3	397.8	402.3	447.7	497.9	524.4	566.6
40°	523.5	521.9	486.0	453.2	451.5	460.4	510.7	567.7	597.1	638.1
42.5°	627.6	625.1	576.2	543.7	538.3	541.4	583.4	653.8	683.7	725.2
45°	720.0	719.2	674.5	630.9	621.1	630.9	674.1	754.4	775.9	819.5
47.5°	797.4	797.4	764.7	736.2	731.2	736.9	797.0	866.1	864.1	920.0
50°	886.5	885.8	854.7	842.5	847.7	855.8	938.4	983.7	955.4	1018.7
52.5°	948.9	953.2	942.6	940.6	967.3	981.4	1082.0	1098.8	1037.1	1112.3
55°	998.3	1003.4	1015.6	1029.5	1080.9	1099.3	1221.1	1207.9	1105.5	1193.5
57.5°	1068.3	1061.1	1080.0	1107.5	1190.6	1212.8	1355.9	1310.9	1160.5	1259.4
60°	1153.3	1154.4	1157.6	1192.2	1300.1	1328.6	1488.6	1408.4	1195.9	1299.8
62.5°	1255.4	1257.0	1263.7	1316.9	1447.1	1474.0	1630.1	1488.1	1212.1	1288.4
65°	1248.4	1255.2	1329.7	1511.7	1670.7	1697.2	1795.1	1544.0	1187.6	1184.5
67.5°	1137.2	1148.4	1273.1	1744.4	2007.6	2037.2	1994.7	1555.0	1081.7	921.1
70°	991.5	995.4	1145.3	1953.7	2397.8	2427.8	2173.2	1434.0	820.8	513.8
72.5°	774.3	775.2	951.1	2002.2	2609.6	2611.3	2033.1	1064.5	441.4	197.4
75°	553.1	547.7	637.0	1623.8	2295.9	2314.3	1524.2	499.3	168.7	93.3
77.5°	296.6	302.5	360.4	963.0	1586.1	1617.4	831.6	144.0	85.9	63.5
80°	91.6	96.7	147.7	440.9	898.4	917.3	308.3	64.0	59.9	45.3
82.5°	28.9	29.9	68.9	185.3	372.9	381.5	89.3	36.3	41.0	29.9
85°	8.3	8.5	30.7	69.1	92.2	94.0	25.1	14.1	23.5	18.6
87.5°	0.9	2.9	11.5	11.5	8.1	7.9	2.7	3.1	6.7	2.3
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°
356.8	0°	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8
358.4	2.5°	357.5	357.7	355.4	351.4	347.1	343.5	339.0	335.4	332.8	332.1
361.7	5°	360.1	358.8	352.1	340.0	325.6	313.2	299.3	288.3	281.1	278.0
365.1	7.5°	363.9	360.3	345.6	321.8	294.2	269.7	244.8	225.5	213.2	207.1
368.4	10°	367.1	359.9	334.8	295.5	253.3	216.1	182.6	159.3	146.3	140.2
372.2	12.5°	370.2	359.7	320.7	264.3	207.1	161.6	130.4	118.9	115.3	114.0
378.3	15°	375.9	360.3	303.1	228.6	161.1	122.1	110.8	110.6	111.3	110.9
387.7	17.5°	383.9	360.8	283.0	190.7	124.3	107.7	107.2	108.8	109.9	109.3
399.4	20°	394.2	363.0	261.8	153.2	106.8	104.1	105.4	106.8	107.7	106.8
415.1	22.5°	408.6	366.7	238.5	123.0	101.2	101.9	103.0	104.6	105.5	104.3
435.1	25°	426.3	372.7	215.6	107.0	98.5	99.4	101.0	102.8	103.9	102.6
460.4	27.5°	449.2	382.3	194.5	103.4	95.8	96.3	98.7	101.4	102.8	101.2
496.3	30°	482.4	398.0	176.2	105.0	94.2	92.9	96.2	99.9	101.6	100.1
545.2	32.5°	526.4	420.1	165.1	107.5	93.4	88.9	92.0	96.9	99.6	98.7
609.0	35°	584.1	453.9	160.7	110.4	92.9	84.8	87.0	92.2	96.9	97.8
689.5	37.5°	654.1	500.8	162.0	111.7	91.3	81.4	82.4	87.0	93.1	96.0
780.0	40°	733.7	555.4	169.2	110.4	89.5	78.5	78.7	82.1	87.5	91.8
877.5	42.5°	815.8	619.3	182.6	105.7	87.9	75.9	75.4	77.8	81.4	84.4
974.7	45°	893.9	685.0	195.7	99.2	85.9	73.4	72.2	73.1	73.8	75.0
1069.4	47.5°	962.1	731.2	191.9	93.3	83.2	70.5	68.4	68.0	65.8	65.7
1154.0	50°	1009.1	741.3	170.5	87.3	79.2	67.3	63.9	61.7	57.9	56.1
1217.3	52.5°	1024.1	701.4	139.3	81.4	72.7	63.0	58.1	54.7	50.0	48.3
1253.8	55°	1004.3	623.3	111.3	74.1	63.7	57.2	51.8	47.3	43.5	41.5
1257.7	57.5°	955.7	523.9	88.0	65.7	54.1	50.7	45.3	40.8	37.5	35.5
1213.7	60°	875.3	416.0	69.6	55.6	46.2	43.7	38.1	35.2	32.3	29.9
1100.1	62.5°	753.2	296.9	54.7	44.0	38.6	35.7	32.5	30.3	26.9	23.6
895.7	65°	587.7	181.7	42.2	32.3	31.0	29.6	27.6	25.6	21.5	18.2
584.3	67.5°	370.7	86.0	30.1	24.4	24.5	23.8	22.9	21.3	18.2	15.3
261.8	70°	163.3	41.7	19.8	18.6	18.2	18.2	18.9	18.4	15.5	12.8
90.9	72.5°	55.6	22.4	14.8	14.1	13.2	13.0	15.9	15.3	12.4	9.9
45.3	75°	29.0	15.0	10.8	10.1	7.9	9.6	12.6	11.9	8.8	6.5
29.9	77.5°	18.9	10.6	7.4	6.5	4.5	6.3	9.4	8.3	5.2	3.2
19.7	80°	11.9	7.0	4.3	3.1	2.2	3.4	5.1	3.6	2.0	0.7
11.5	82.5°	6.3	3.6	1.6	1.1	0.9	1.1	1.3	0.9	0.4	0.0
6.0	85°	2.5	1.3	0.5	0.4	0.2	0.0	0.4	0.2	0.0	0.0
1.1	87.5°	0.9	0.2	0.0	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°
356.8
333.4
279.1
208.0
140.3
113.7
110.8
109.1
106.6
104.1
102.5
101.2
99.9
98.7
97.8
96.7
93.3
85.7
75.8
65.5
56.3
48.2
41.5
35.2
29.4
23.1
17.7
15.0
12.3
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