

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: P851157

Luminaire Tested: **GLAN-SB9A-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851157
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-SB9A-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA 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: 30954 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

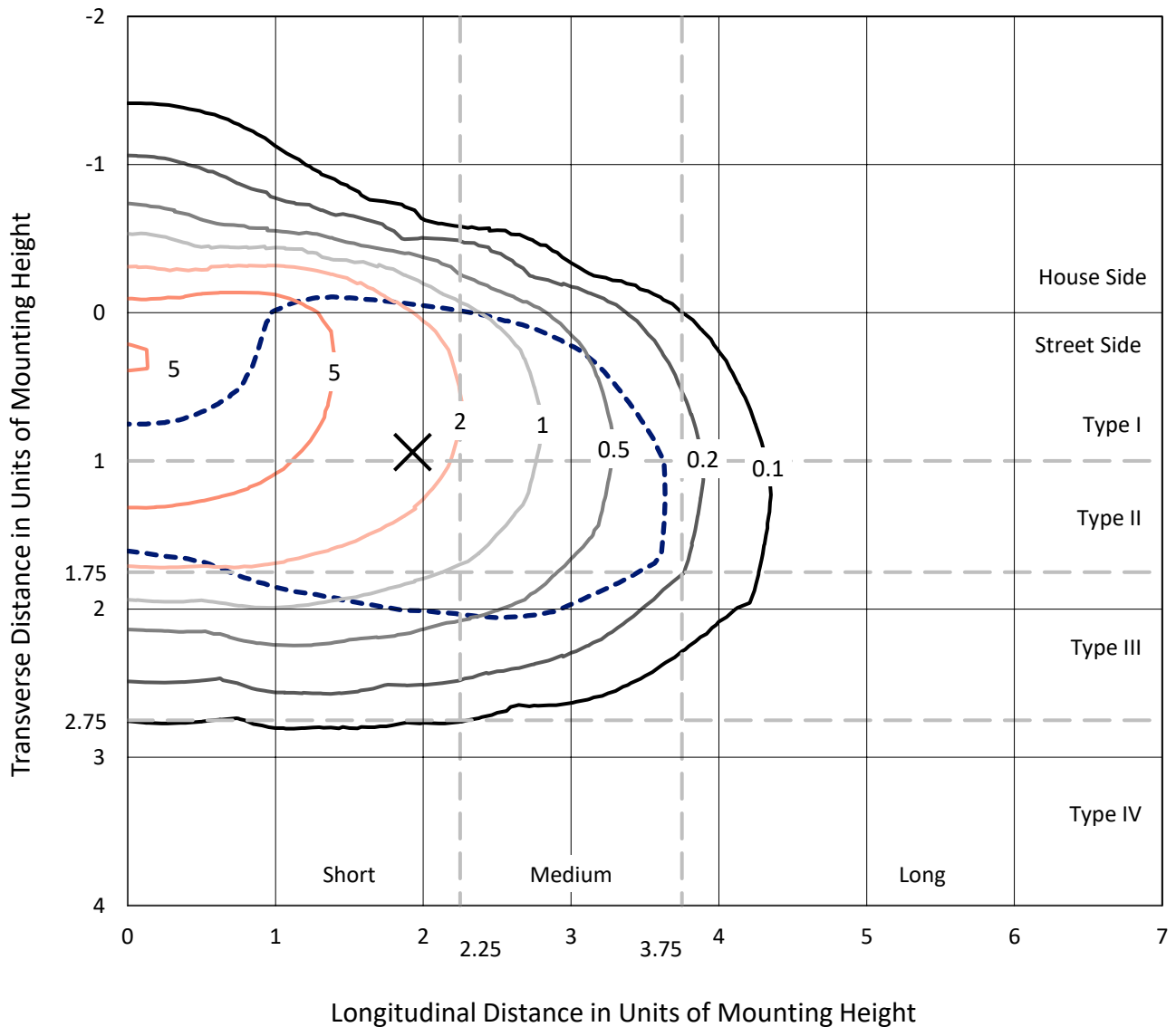
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

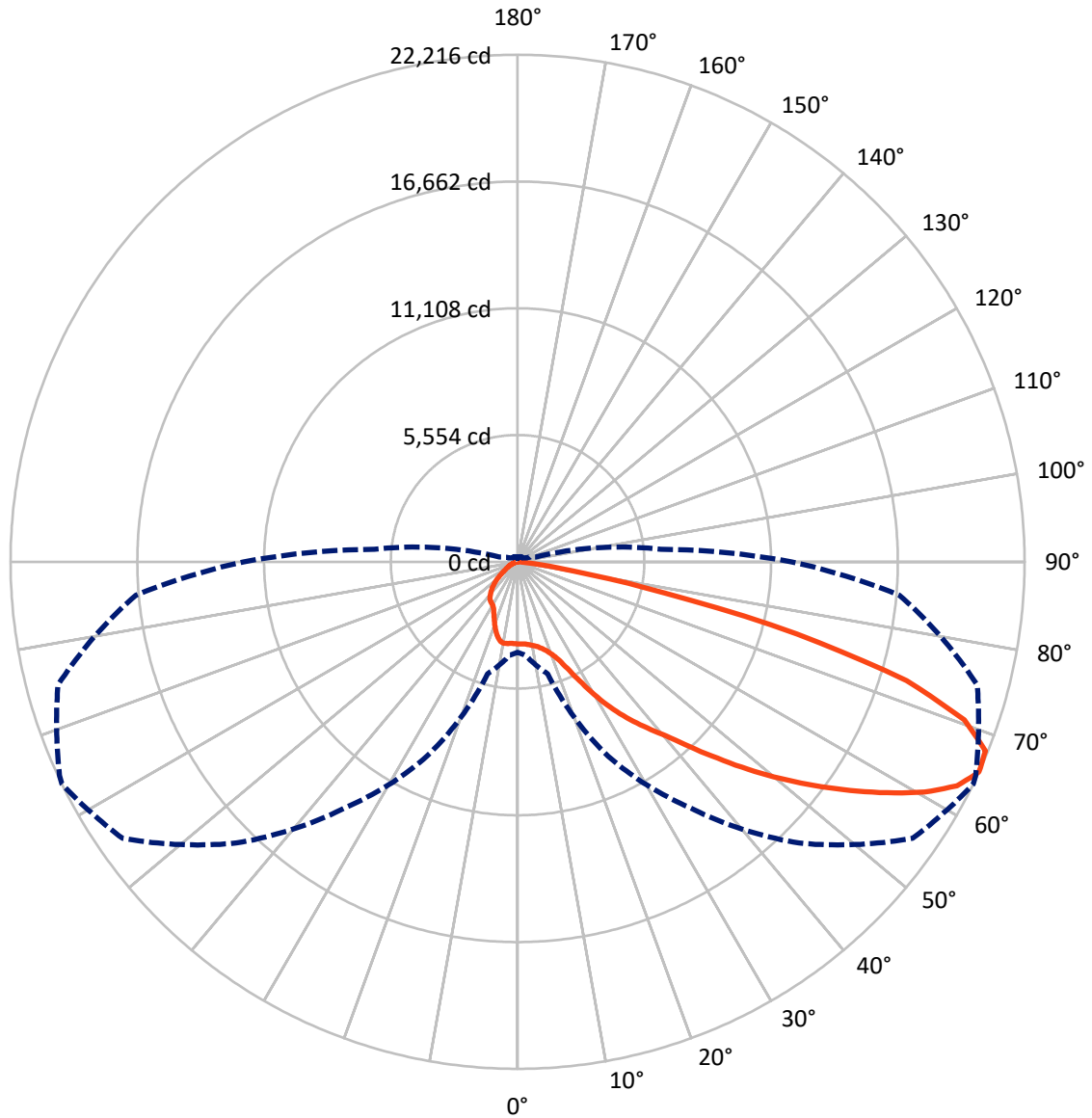
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	4139.5	0.0	4139.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26814.5	0.0	26814.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	30954.0	0.0	30954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	1.1
10°-20°	900.9	2.9
20°-30°	1707.2	5.5
30°-40°	3454.5	11.2
40°-50°	5884.7	19.0
50°-60°	8002.8	25.9
60°-70°	7515.0	24.3
70°-80°	3010.8	9.7
80°-90°	145.9	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°	30954.0	100.0
0°-180°	30954.0	100.0

Coefficient of Utilization



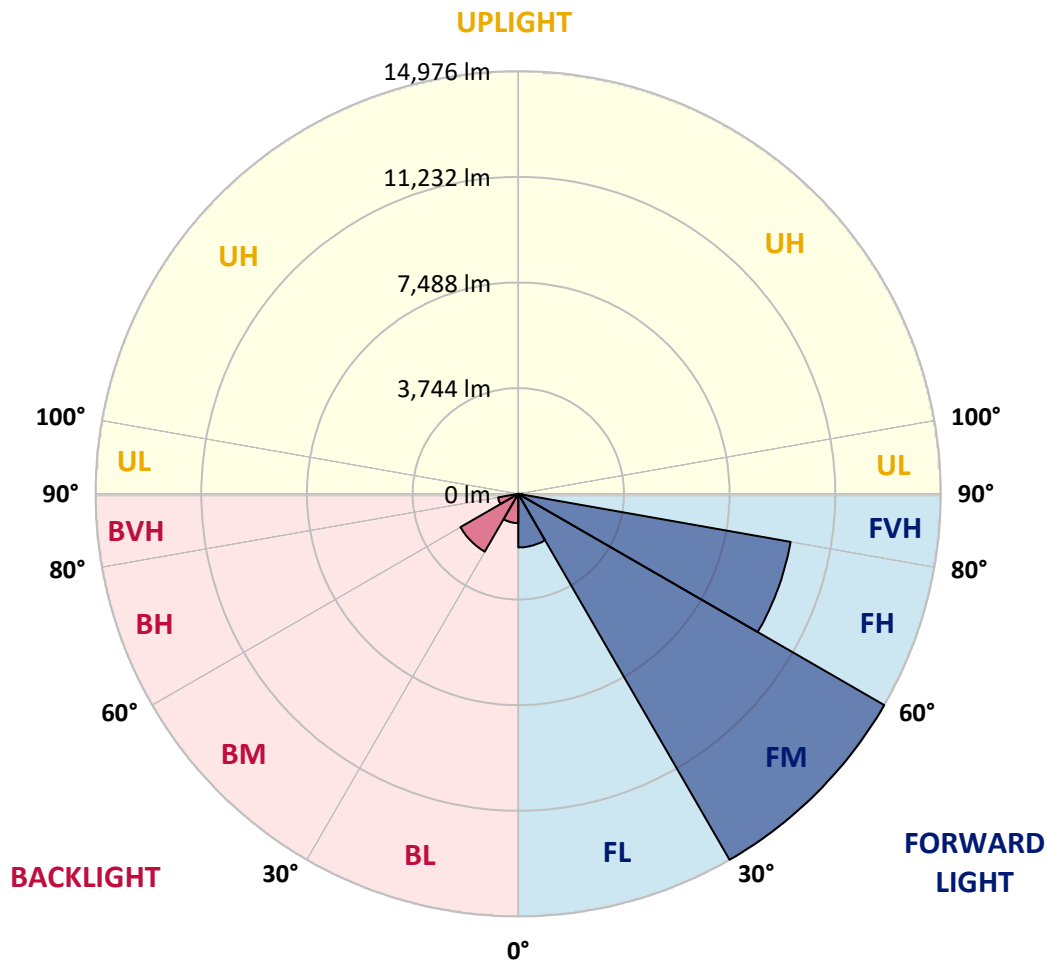
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1900.9	6.1			
FM (30°-60°)	14975.5	48.4			
FH (60°-80°)	9799.3	31.7			G4/12000
FVH (80°-90°)	138.7	0.4			G2/225
BL (0°-30°)	1039.3	3.4	B3/2500		
BM (30°-60°)	2366.5	7.6	B2/2500		
BH (60°-80°)	726.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.1	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3
2.5°	3587.8	3612.7	3606.5	3600.3	3598.2	3602.3	3604.4	3602.3	3602.3	3602.3
5°	3519.3	3540.1	3540.1	3554.6	3575.4	3600.3	3618.9	3623.1	3627.2	3633.5
7.5°	3388.6	3405.2	3417.7	3465.4	3517.3	3583.7	3639.7	3668.7	3672.9	3695.7
10°	3299.4	3320.1	3340.9	3390.7	3465.4	3565.0	3660.4	3731.0	3741.4	3795.3
12.5°	3295.2	3316.0	3343.0	3396.9	3484.1	3589.9	3706.1	3807.8	3826.5	3905.3
15°	3338.8	3363.7	3388.6	3455.0	3548.4	3677.0	3801.6	3928.1	3946.8	4058.9
17.5°	3428.0	3461.2	3479.9	3546.3	3645.9	3789.1	3953.0	4098.3	4114.9	4245.6
20°	3604.4	3643.8	3650.1	3704.0	3801.6	3955.1	4150.2	4330.7	4351.5	4500.9
22.5°	3969.6	4025.7	3975.9	4002.8	4090.0	4243.5	4455.2	4683.5	4712.5	4882.7
25°	4612.9	4691.8	4563.1	4517.5	4554.8	4714.6	4980.2	5268.6	5301.8	5438.8
27.5°	5876.6	5775.0	5579.9	5389.0	5276.9	5368.2	5667.1	6024.0	6065.5	6198.3
30°	7264.9	7175.6	6912.1	6488.8	6223.2	6208.7	6484.6	6883.1	6930.8	7057.4
32.5°	8655.2	8570.1	8283.7	7762.9	7302.2	7074.0	7264.9	7706.9	7731.8	7812.7
35°	10022.7	9935.5	9649.1	9115.8	8549.3	8030.6	7993.2	8491.2	8499.5	8584.6
37.5°	11398.4	11325.8	11020.8	10497.9	9939.7	9223.8	8877.2	9234.1	9244.5	9327.5
40°	12380.0	12411.1	12201.5	11796.9	11317.5	10535.2	9869.1	10024.7	9962.5	10101.5
42.5°	13222.4	13284.7	13102.1	12898.7	12620.7	11931.7	11097.6	11070.6	10971.0	11045.7
45°	13950.8	14002.7	13838.7	13791.0	13784.8	13301.3	12440.1	12278.3	12139.2	12124.7
47.5°	14218.5	14318.1	14388.6	14548.4	14859.7	14656.3	13828.4	13577.3	13421.6	13307.5
50°	14320.2	14426.0	14666.7	15131.5	15868.2	15955.3	15210.4	14928.2	14737.3	14529.7
52.5°	14183.2	14372.0	14695.7	15478.1	16546.7	16997.0	16536.3	16289.4	16071.5	15733.3
55°	13376.0	13564.8	14226.8	15473.9	16885.0	17727.4	17789.7	17679.7	17434.9	16901.6
57.5°	11674.4	11954.6	13002.5	14946.8	16878.7	18356.2	19018.1	19097.0	18823.1	18059.5
60°	9317.1	9696.9	10975.1	13778.6	16357.9	18696.5	20095.1	20489.4	20198.9	19200.8
62.5°	6501.2	6941.2	8150.9	11948.3	15166.8	18451.7	20881.6	21609.9	21390.0	20221.7
65°	3965.5	4106.6	5081.9	9402.2	13141.5	17426.6	21124.4	22215.9	22143.2	20846.3
67.5°	2641.6	2759.9	3040.0	6447.3	10201.1	15378.5	20543.3	22110.0	22130.8	20744.6
70°	1591.6	1693.3	1875.9	3749.7	6611.2	12172.4	18744.2	20761.2	20881.6	19385.4
72.5°	655.7	724.2	890.2	1699.5	3423.9	7725.5	14926.1	17825.0	18105.1	16299.8
75°	371.4	406.7	522.9	852.9	1485.8	3600.3	9041.1	12653.9	13066.8	11234.5
77.5°	246.9	263.5	338.2	552.0	836.3	1228.5	3863.8	6592.5	7381.1	6136.0
80°	166.0	180.5	232.4	369.4	543.7	527.1	1230.5	2442.4	3004.7	2108.3
82.5°	112.1	114.1	166.0	242.8	344.5	255.2	363.1	759.5	954.5	610.1
85°	64.3	62.3	122.4	141.1	153.6	105.8	110.0	228.3	298.8	257.3
87.5°	8.3	12.5	47.7	37.4	20.8	22.8	22.8	39.4	58.1	62.3
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°
3600.3	0°	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3	3600.3
3604.4	2.5°	3604.4	3602.3	3596.1	3589.9	3575.4	3567.1	3571.2	3567.1	3565.0	3567.1
3631.4	5°	3631.4	3625.2	3608.6	3587.8	3558.8	3523.5	3500.7	3467.5	3436.3	3417.7
3704.0	7.5°	3704.0	3697.8	3675.0	3616.9	3523.5	3376.2	3241.3	3123.0	3033.8	2981.9
3820.2	10°	3820.2	3809.9	3774.6	3645.9	3401.1	3079.4	2811.7	2589.7	2444.4	2376.0
3957.2	12.5°	3957.2	3944.7	3882.5	3618.9	3168.7	2666.5	2297.1	2050.2	1915.3	1855.1
4114.9	15°	4119.0	4102.4	3980.0	3490.3	2830.4	2210.0	1871.7	1687.0	1599.9	1545.9
4316.2	17.5°	4320.3	4291.3	4052.6	3297.3	2463.1	1861.4	1610.3	1471.2	1394.5	1342.6
4579.7	20°	4581.8	4534.1	4110.7	3067.0	2124.9	1641.4	1433.9	1317.7	1259.6	1213.9
4953.2	22.5°	4947.0	4878.5	4181.3	2818.0	1886.3	1489.9	1303.2	1218.1	1170.3	1118.5
5474.1	25°	5399.4	5318.4	4268.4	2587.6	1722.3	1359.2	1207.7	1137.1	1081.1	1020.9
6156.8	27.5°	6032.3	5887.0	4372.2	2398.8	1581.2	1247.1	1120.5	1041.7	977.4	927.6
6930.8	30°	6737.8	6499.2	4463.5	2284.7	1452.6	1143.4	1006.4	927.6	867.4	832.1
7625.9	32.5°	7406.0	7082.3	4523.7	2234.9	1336.4	1025.1	881.9	796.8	751.2	740.8
8306.6	35°	8036.8	7609.3	4517.5	2187.1	1232.6	906.8	759.5	672.3	637.1	643.3
9039.1	37.5°	8763.1	8171.7	4473.9	2112.4	1147.5	798.9	653.7	576.9	545.7	547.8
9929.3	40°	9607.6	8821.2	4446.9	1971.3	1054.1	699.3	566.5	504.2	481.4	473.1
10867.2	42.5°	10508.2	9449.9	4451.1	1811.5	937.9	610.1	506.3	454.4	433.7	427.5
11911.0	45°	11413.0	10049.6	4457.3	1645.5	815.5	541.6	462.7	419.2	406.7	398.4
12969.3	47.5°	12263.7	10560.1	4341.1	1467.1	695.2	489.7	427.5	398.4	388.0	377.7
14031.7	50°	13056.4	10900.4	4060.9	1259.6	599.7	448.2	400.5	379.7	369.4	359.0
14994.6	52.5°	13672.7	10954.4	3598.2	1045.8	533.3	417.1	383.9	365.2	352.8	342.4
15772.7	55°	13946.6	10616.1	2940.4	846.6	481.4	390.1	367.3	348.6	334.1	323.7
16384.9	57.5°	13876.1	9904.4	2293.0	680.6	431.6	363.1	346.5	334.1	317.5	300.9
16880.8	60°	13529.6	8951.9	1728.5	566.5	386.0	334.1	323.7	313.3	290.5	265.6
17071.7	62.5°	12929.9	7754.6	1232.6	469.0	336.2	300.9	296.7	288.4	255.2	209.6
16789.5	65°	12012.7	6300.0	830.0	390.1	288.4	263.5	265.6	251.1	207.5	155.6
15756.1	67.5°	10672.2	4606.7	531.2	319.6	240.7	220.0	222.0	213.7	176.4	132.8
13797.2	70°	8964.4	3050.4	346.5	242.8	193.0	170.2	182.6	184.7	149.4	107.9
10589.2	72.5°	6571.8	1801.2	242.8	180.5	141.1	118.3	149.4	153.6	120.4	80.9
6370.5	75°	3745.5	854.9	182.6	130.7	87.2	83.0	116.2	116.2	83.0	54.0
2757.8	77.5°	1572.9	356.9	128.7	85.1	49.8	47.7	78.9	72.6	41.5	24.9
672.3	80°	454.4	159.8	68.5	41.5	20.8	18.7	31.1	22.8	10.4	4.2
255.2	82.5°	178.5	70.6	27.0	16.6	8.3	8.3	4.2	0.0	0.0	0.0
145.3	85°	105.8	29.1	12.5	6.2	2.1	0.0	0.0	0.0	0.0	0.0
31.1	87.5°	27.0	6.2	4.2	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°
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3600.3
3575.4
3421.8
2984.0
2369.7
1848.9
1548.0
1338.4
1205.6
1110.2
1014.7
917.2
825.9
747.0
643.3
556.1
471.0
425.4
398.4
377.7
359.0
340.3
321.6
298.8
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