

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: P850627

Luminaire Tested: **GLAN-SB8B-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850627
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-SB8B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA 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: 27925 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

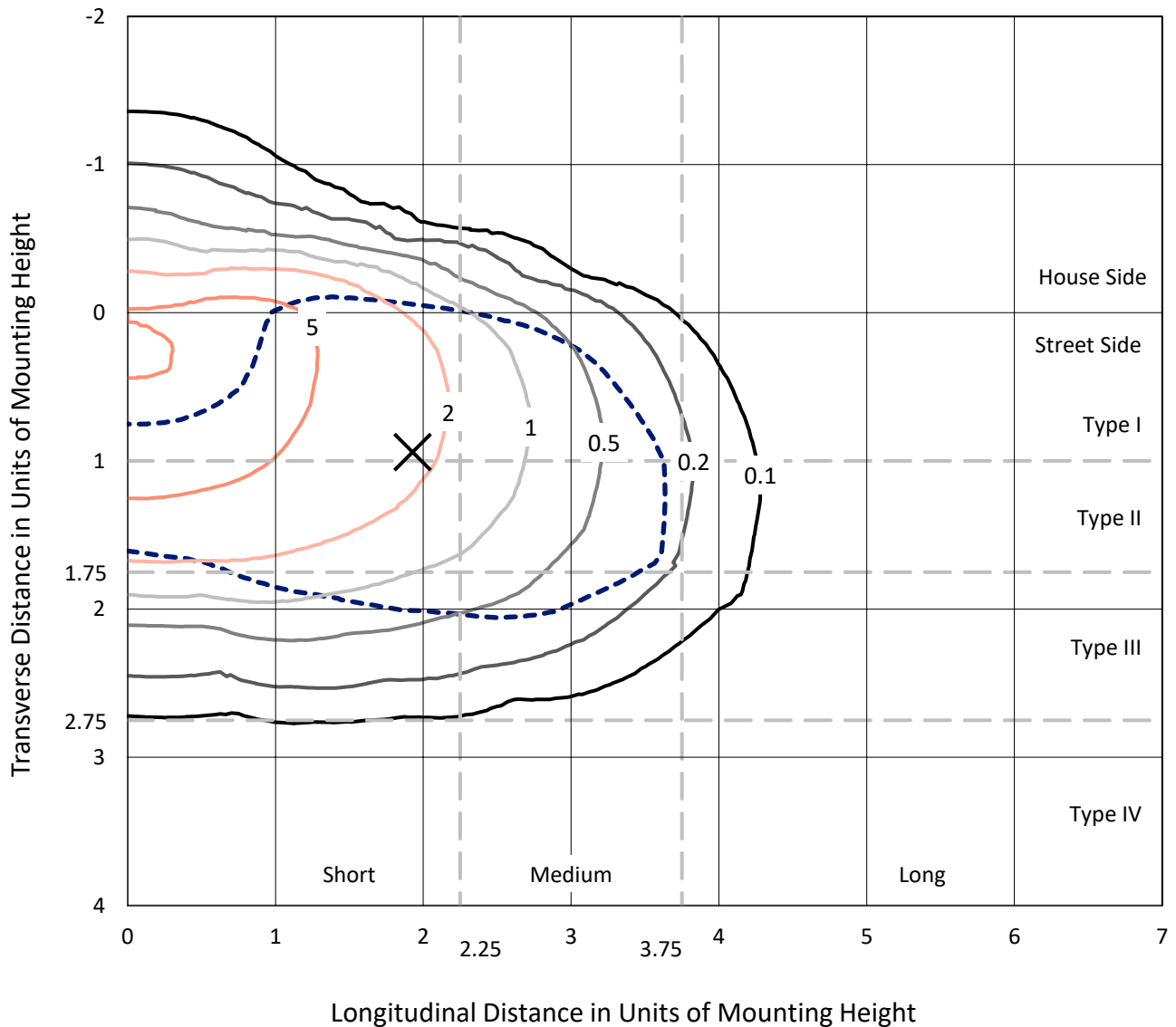
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

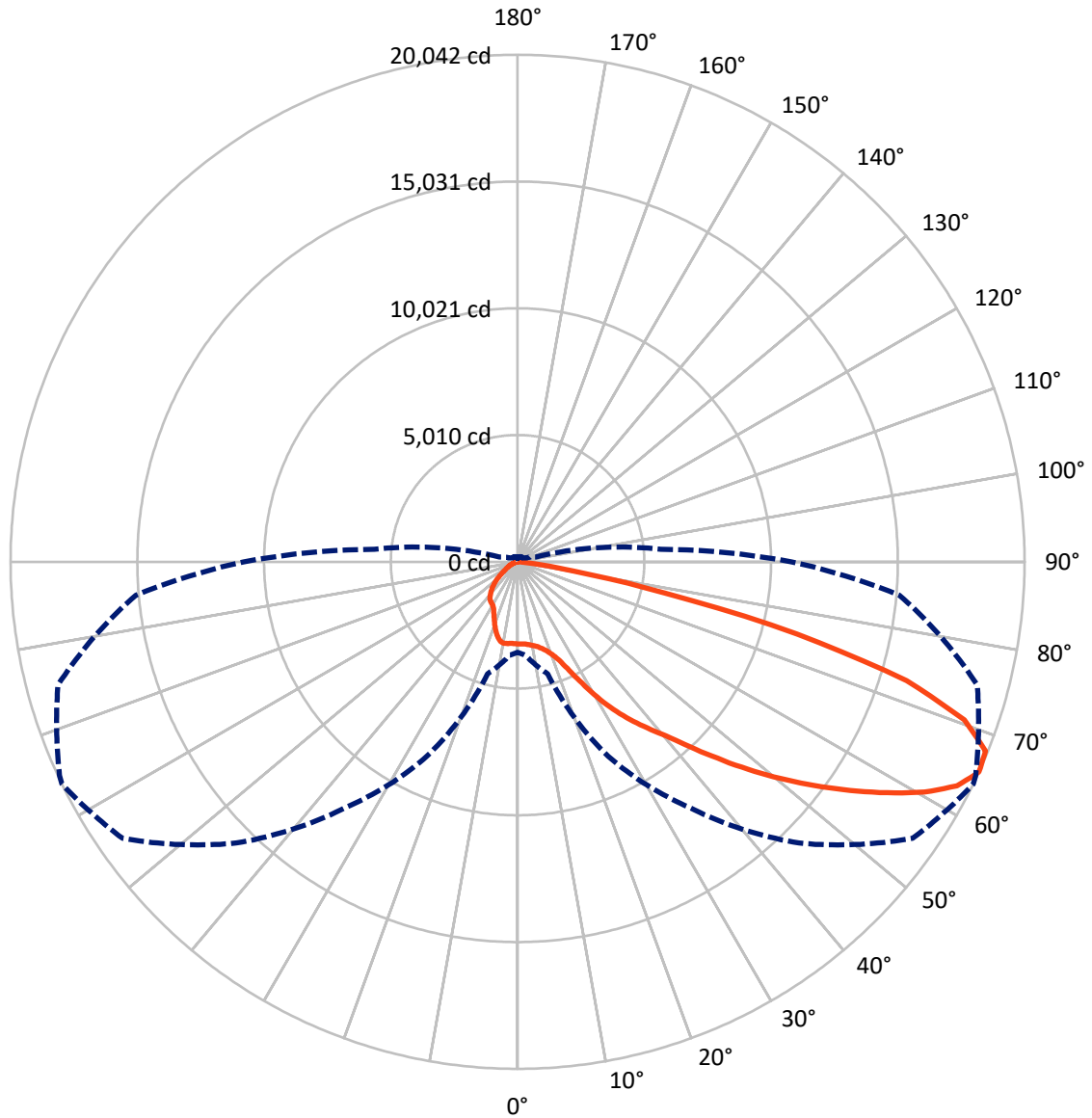
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type 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	3734.4	0.0	3734.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	24190.6	0.0	24190.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	27925.0	0.0	27925.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	1.1
10°-20°	812.8	2.9
20°-30°	1540.1	5.5
30°-40°	3116.4	11.2
40°-50°	5308.9	19.0
50°-60°	7219.7	25.9
60°-70°	6779.6	24.3
70°-80°	2716.2	9.7
80°-90°	131.6	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°	27925.0	100.0
0°-180°	27925.0	100.0

Coefficient of Utilization

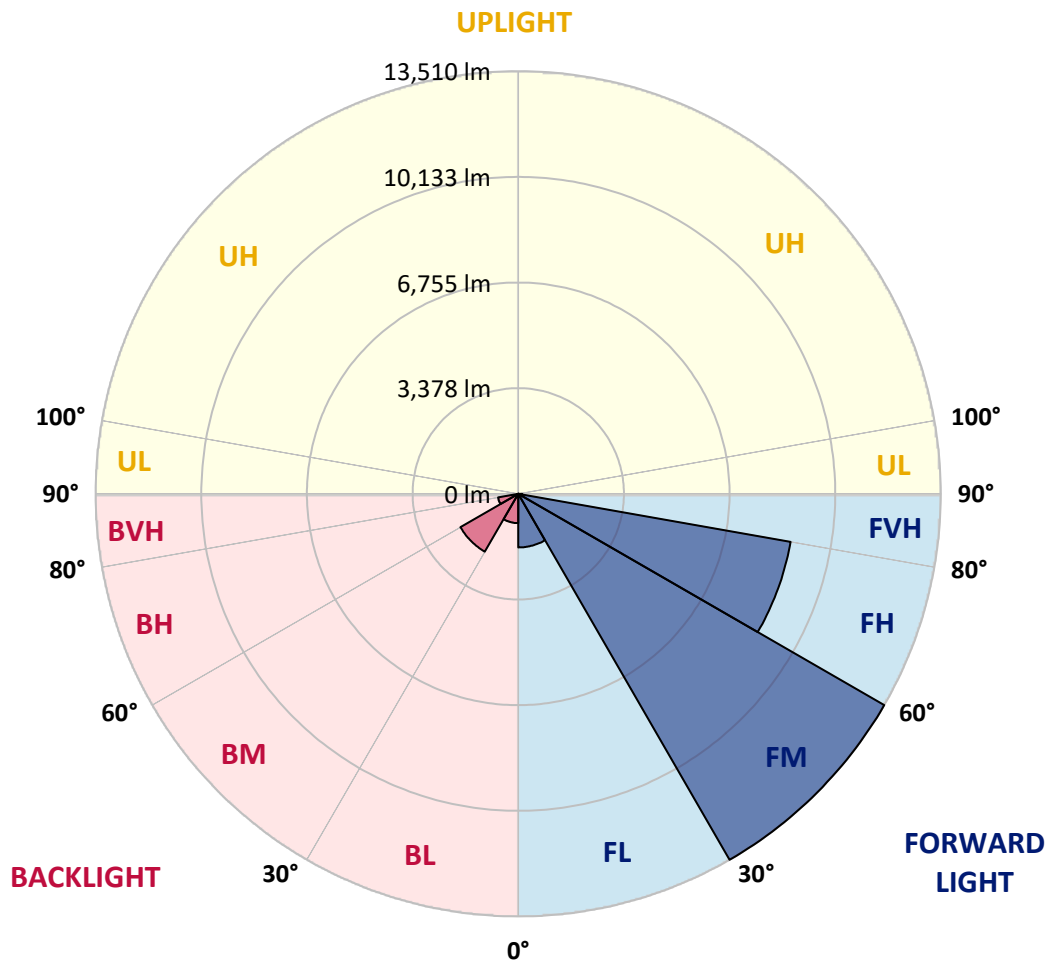


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1714.9	6.1			
FM (30°-60°)	13510.1	48.4			
FH (60°-80°)	8840.4	31.7			G4/12000
FVH (80°-90°)	125.2	0.4			G2/225
BL (0°-30°)	937.6	3.4	B2/1000		
BM (30°-60°)	2134.9	7.6	B2/2500		
BH (60°-80°)	655.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0
2.5°	3236.7	3259.2	3253.6	3248.0	3246.1	3249.8	3251.7	3249.8	3249.8	3249.8
5°	3175.0	3193.7	3193.7	3206.8	3225.5	3248.0	3264.8	3268.6	3272.3	3277.9
7.5°	3057.0	3072.0	3083.2	3126.3	3173.1	3233.0	3283.5	3309.7	3313.5	3334.1
10°	2976.5	2995.2	3014.0	3058.9	3126.3	3216.1	3302.3	3365.9	3375.3	3423.9
12.5°	2972.8	2991.5	3015.8	3064.5	3143.1	3238.6	3343.4	3435.2	3452.0	3523.2
15°	3012.1	3034.6	3057.0	3116.9	3201.2	3317.2	3429.6	3543.7	3560.6	3661.7
17.5°	3092.6	3122.5	3139.4	3199.3	3289.2	3418.3	3566.2	3697.3	3712.2	3830.2
20°	3251.7	3287.3	3292.9	3341.6	3429.6	3568.1	3744.1	3906.9	3925.6	4060.4
22.5°	3581.2	3631.7	3586.8	3611.1	3689.8	3828.3	4019.2	4225.2	4251.4	4404.9
25°	4161.5	4232.7	4116.6	4075.4	4109.1	4253.2	4492.9	4753.1	4783.0	4906.6
27.5°	5301.6	5209.9	5033.9	4861.7	4760.6	4842.9	5112.5	5434.5	5471.9	5591.7
30°	6554.0	6473.5	6235.7	5853.8	5614.2	5601.1	5850.1	6209.5	6252.6	6366.8
32.5°	7808.2	7731.5	7473.1	7003.3	6587.7	6381.7	6554.0	6952.7	6975.2	7048.2
35°	9041.9	8963.3	8704.9	8223.8	7712.8	7244.7	7211.0	7660.3	7667.8	7744.6
37.5°	10283.0	10217.5	9942.3	9470.6	8967.0	8321.2	8008.5	8330.5	8339.9	8414.8
40°	11168.5	11196.6	11007.5	10642.5	10210.0	9504.3	8903.4	9043.8	8987.6	9113.0
42.5°	11928.6	11984.7	11820.0	11636.5	11385.7	10764.2	10011.6	9987.3	9897.4	9964.8
45°	12585.6	12632.4	12484.6	12441.5	12435.9	11999.7	11222.8	11076.8	10951.4	10938.3
47.5°	12827.1	12917.0	12980.6	13124.8	13405.6	13222.1	12475.2	12248.7	12108.3	12005.3
50°	12918.9	13014.3	13231.5	13650.8	14315.4	14394.0	13722.0	13467.4	13295.1	13107.9
52.5°	12795.3	12965.7	13257.7	13963.5	14927.5	15333.8	14918.2	14695.4	14498.9	14193.7
55°	12067.1	12237.4	12834.6	13959.7	15232.7	15992.7	16048.9	15949.7	15728.8	15247.7
57.5°	10532.0	10784.7	11730.1	13484.2	15227.1	16560.0	17157.1	17228.3	16981.2	16292.3
60°	8405.4	8748.0	9901.2	12430.3	14757.2	16867.0	18128.7	18484.4	18222.3	17321.9
62.5°	5865.1	6261.9	7353.3	10779.1	13682.6	16646.1	18838.2	19495.3	19296.9	18242.9
65°	3577.4	3704.7	4584.6	8482.2	11855.5	15721.3	19057.2	20041.9	19976.4	18806.4
67.5°	2383.1	2489.8	2742.5	5816.4	9202.9	13873.6	18533.1	19946.5	19965.2	18714.7
70°	1435.8	1527.6	1692.3	3382.8	5964.3	10981.3	16910.0	18729.6	18838.2	17488.5
72.5°	591.6	653.3	803.1	1533.2	3088.8	6969.6	13465.5	16080.7	16333.4	14704.8
75°	335.1	366.9	471.8	769.4	1340.4	3248.0	8156.4	11415.6	11788.2	10135.2
77.5°	222.8	237.7	305.1	498.0	754.4	1108.2	3485.7	5947.4	6658.8	5535.6
80°	149.8	162.9	209.7	333.2	490.5	475.5	1110.1	2203.4	2710.7	1902.0
82.5°	101.1	103.0	149.8	219.0	310.8	230.3	327.6	685.2	861.1	550.4
85°	58.0	56.2	110.4	127.3	138.5	95.5	99.2	205.9	269.6	232.1
87.5°	7.5	11.2	43.1	33.7	18.7	20.6	20.6	35.6	52.4	56.2
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°
3248.0	0°	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0	3248.0
3251.7	2.5°	3251.7	3249.8	3244.2	3238.6	3225.5	3218.0	3221.8	3218.0	3216.1	3218.0
3276.0	5°	3276.0	3270.4	3255.5	3236.7	3210.5	3178.7	3158.1	3128.2	3100.1	3083.2
3341.6	7.5°	3341.6	3336.0	3315.4	3262.9	3178.7	3045.8	2924.1	2817.4	2736.9	2690.1
3446.4	10°	3446.4	3437.0	3405.2	3289.2	3068.3	2778.1	2536.6	2336.3	2205.2	2143.5
3570.0	12.5°	3570.0	3558.7	3502.6	3264.8	2858.6	2405.6	2072.3	1849.6	1727.9	1673.6
3712.2	15°	3716.0	3701.0	3590.5	3148.8	2553.4	1993.7	1688.6	1522.0	1443.3	1394.7
3893.8	17.5°	3897.6	3871.4	3656.1	2974.7	2222.1	1679.2	1452.7	1327.3	1258.0	1211.2
4131.6	20°	4133.4	4090.4	3708.5	2766.9	1917.0	1480.8	1293.6	1188.7	1136.3	1095.1
4468.5	22.5°	4462.9	4401.1	3772.1	2542.2	1701.7	1344.1	1175.6	1098.9	1055.8	1009.0
4938.4	25°	4871.0	4798.0	3850.8	2334.4	1553.8	1226.2	1089.5	1025.9	975.3	921.0
5554.3	27.5°	5442.0	5310.9	3944.4	2164.1	1426.5	1125.1	1010.9	939.8	881.7	836.8
6252.6	30°	6078.5	5863.2	4026.7	2061.1	1310.4	1031.5	907.9	836.8	782.5	750.7
6879.7	32.5°	6681.3	6389.2	4081.0	2016.2	1205.6	924.8	795.6	718.9	677.7	668.3
7493.7	35°	7250.4	6864.7	4075.4	1973.1	1112.0	818.1	685.2	606.5	574.7	580.3
8154.6	37.5°	7905.6	7372.0	4036.1	1905.7	1035.2	720.7	589.7	520.4	492.3	494.2
8957.7	40°	8667.5	7958.0	4011.8	1778.4	951.0	630.9	511.1	454.9	434.3	426.8
9803.8	42.5°	9479.9	8525.2	4015.5	1634.3	846.2	550.4	456.8	410.0	391.3	385.6
10745.4	45°	10296.2	9066.2	4021.1	1484.5	735.7	488.6	417.5	378.1	366.9	359.4
11700.2	47.5°	11063.7	9526.7	3916.3	1323.5	627.1	441.8	385.6	359.4	350.1	340.7
12658.6	50°	11778.8	9833.8	3663.6	1136.3	541.0	404.4	361.3	342.6	333.2	323.9
13527.3	52.5°	12334.8	9882.4	3246.1	943.5	481.1	376.3	346.3	329.5	318.2	308.9
14229.3	55°	12581.9	9577.3	2652.7	763.8	434.3	351.9	331.3	314.5	301.4	292.0
14781.5	57.5°	12518.2	8935.2	2068.6	614.0	389.4	327.6	312.6	301.4	286.4	271.4
15228.9	60°	12205.6	8075.9	1559.4	511.1	348.2	301.4	292.0	282.7	262.1	239.6
15401.2	62.5°	11664.6	6995.8	1112.0	423.1	303.3	271.4	267.7	260.2	230.3	189.1
15146.6	65°	10837.2	5683.5	748.8	351.9	260.2	237.7	239.6	226.5	187.2	140.4
14214.3	67.5°	9627.8	4155.9	479.2	288.3	217.2	198.4	200.3	192.8	159.1	119.8
12447.1	70°	8087.2	2751.9	312.6	219.0	174.1	153.5	164.7	166.6	134.8	97.3
9553.0	72.5°	5928.7	1624.9	219.0	162.9	127.3	106.7	134.8	138.5	108.6	73.0
5747.1	75°	3379.0	771.3	164.7	117.9	78.6	74.9	104.8	104.8	74.9	48.7
2487.9	77.5°	1419.0	322.0	116.1	76.8	44.9	43.1	71.1	65.5	37.4	22.5
606.5	80°	410.0	144.1	61.8	37.4	18.7	16.8	28.1	20.6	9.4	3.7
230.3	82.5°	161.0	63.6	24.3	15.0	7.5	7.5	3.7	0.0	0.0	0.0
131.0	85°	95.5	26.2	11.2	5.6	1.9	0.0	0.0	0.0	0.0	0.0
28.1	87.5°	24.3	5.6	3.7	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°
3248.0
3225.5
3087.0
2692.0
2137.9
1668.0
1396.5
1207.5
1087.6
1001.5
915.4
827.4
745.1
673.9
580.3
501.7
425.0
383.8
359.4
340.7
323.9
307.0
290.2
269.6
235.9
185.3
136.7
114.2
93.6
69.3
44.9
22.5
3.7
0.0
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