

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: P851217

Luminaire Tested: **GLAN-SB9A-830-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851217
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-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 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: 27514 lumens
Efficiency: N/A
Efficacy: 107.7 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

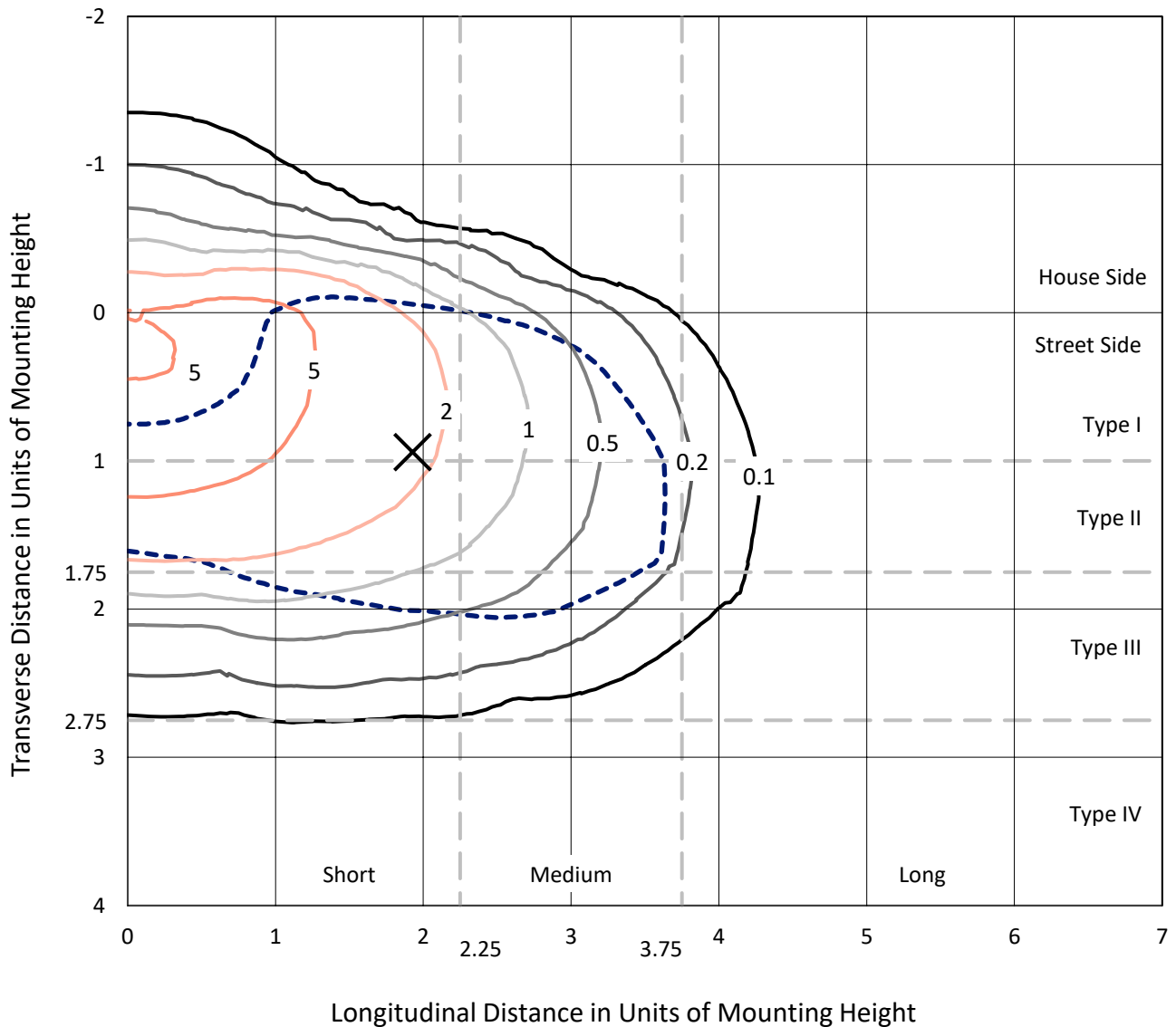
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

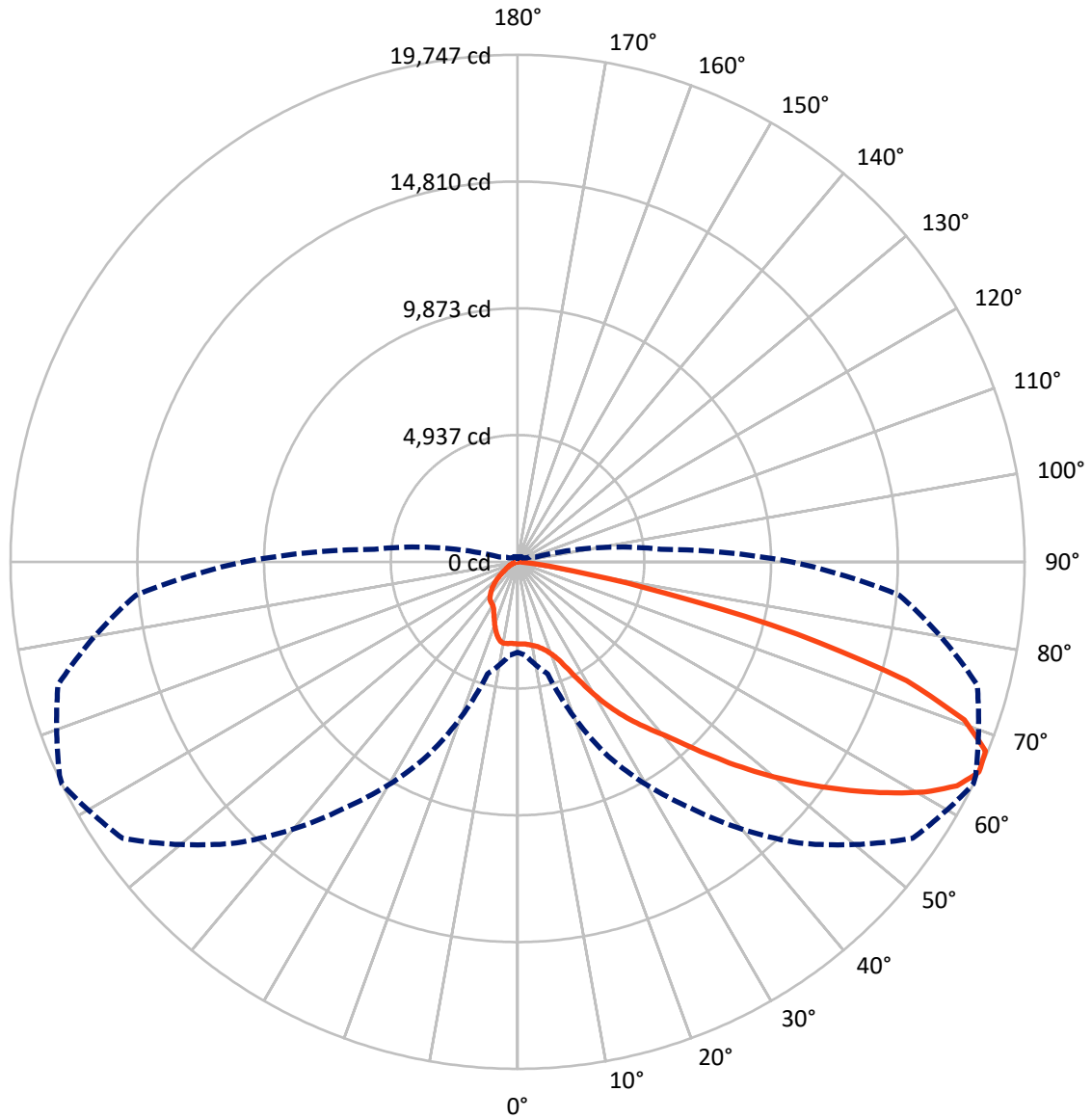
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	3679.5	0.0	3679.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	23834.5	0.0	23834.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	27514.0	0.0	27514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.2	1.1
10°-20°	800.8	2.9
20°-30°	1517.4	5.5
30°-40°	3070.6	11.2
40°-50°	5230.8	19.0
50°-60°	7113.4	25.9
60°-70°	6679.9	24.3
70°-80°	2676.2	9.7
80°-90°	129.7	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°	27514.0	100.0
0°-180°	27514.0	100.0

Coefficient of Utilization



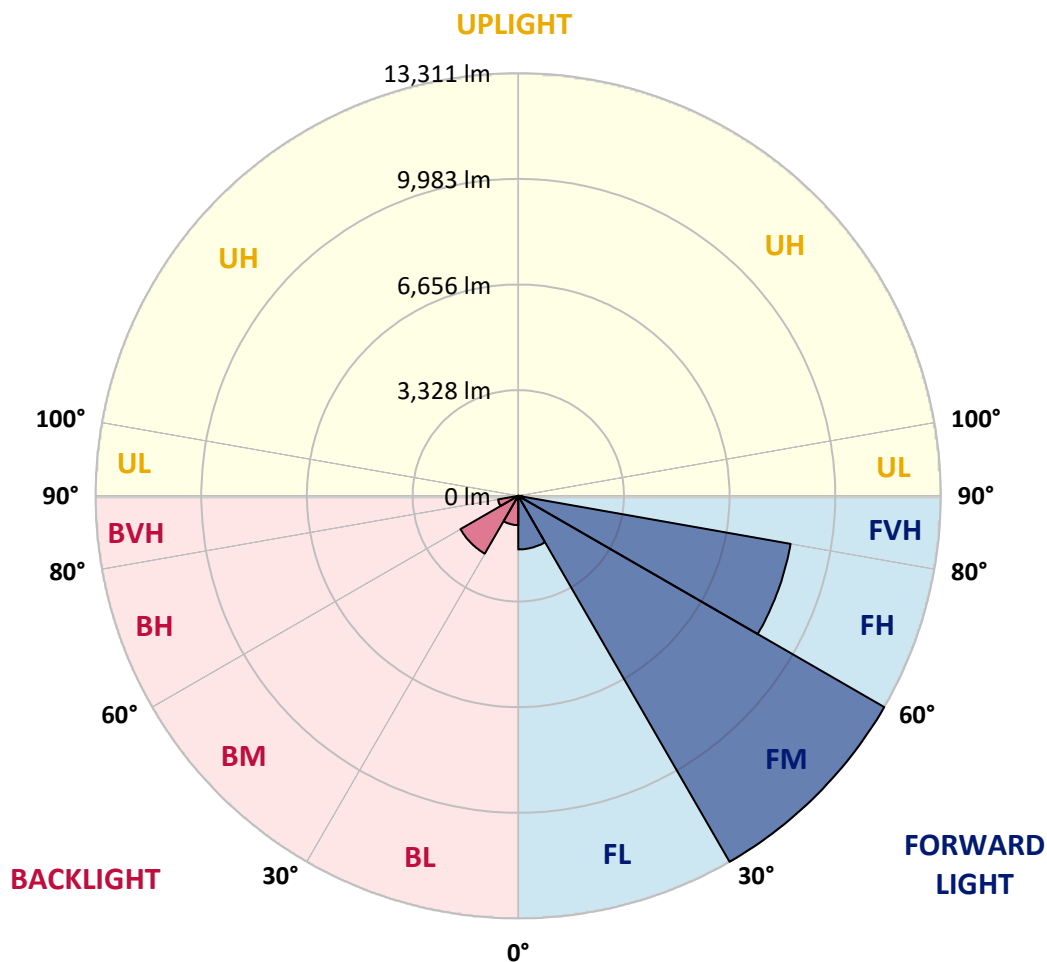
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1689.7	6.1			
FM (30°-60°)	13311.2	48.4			
FH (60°-80°)	8710.3	31.7			G4/12000
FVH (80°-90°)	123.3	0.4			G2/225
BL (0°-30°)	923.8	3.4	B2/1000		
BM (30°-60°)	2103.5	7.6	B2/2500		
BH (60°-80°)	645.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.3	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°	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2
2.5°	3189.1	3211.2	3205.7	3200.2	3198.3	3202.0	3203.9	3202.0	3202.0	3202.0
5°	3128.2	3146.7	3146.7	3159.6	3178.0	3200.2	3216.8	3220.5	3224.1	3229.7
7.5°	3012.0	3026.8	3037.9	3080.3	3126.4	3185.4	3235.2	3261.0	3264.7	3285.0
10°	2932.7	2951.2	2969.6	3013.9	3080.3	3168.8	3253.7	3316.4	3325.6	3373.5
12.5°	2929.0	2947.5	2971.4	3019.4	3096.9	3190.9	3294.2	3384.6	3401.2	3471.3
15°	2967.8	2989.9	3012.0	3071.1	3154.1	3268.4	3379.1	3491.6	3508.2	3607.8
17.5°	3047.1	3076.6	3093.2	3152.2	3240.7	3368.0	3513.7	3642.8	3657.6	3773.8
20°	3203.9	3238.9	3244.4	3292.4	3379.1	3515.6	3688.9	3849.4	3867.9	4000.7
22.5°	3528.5	3578.3	3534.0	3558.0	3635.5	3772.0	3960.1	4163.0	4188.8	4340.0
25°	4100.3	4170.4	4056.0	4015.4	4048.6	4190.6	4426.7	4683.1	4712.6	4834.4
27.5°	5223.6	5133.2	4959.8	4790.1	4690.5	4771.7	5037.3	5354.5	5391.4	5509.4
30°	6457.5	6378.2	6143.9	5767.7	5531.6	5518.7	5764.0	6118.1	6160.5	6273.1
32.5°	7693.3	7617.7	7363.1	6900.2	6490.7	6287.8	6457.5	6850.4	6872.5	6944.4
35°	8908.8	8831.3	8576.8	8102.8	7599.2	7138.1	7104.9	7547.6	7555.0	7630.6
37.5°	10131.7	10067.1	9796.0	9331.2	8835.0	8198.7	7890.7	8207.9	8217.1	8290.9
40°	11004.1	11031.8	10845.5	10485.8	10059.8	9364.4	8772.3	8910.7	8855.3	8978.9
42.5°	11753.0	11808.3	11646.0	11465.3	11218.1	10605.7	9864.3	9840.3	9751.7	9818.1
45°	12400.4	12446.5	12300.8	12258.4	12252.8	11823.1	11057.6	10913.8	10790.2	10777.3
47.5°	12638.3	12726.9	12789.6	12931.6	13208.3	13027.5	12291.6	12068.4	11930.1	11828.6
50°	12728.7	12822.8	13036.7	13449.9	14104.7	14182.2	13520.0	13269.2	13099.5	12915.0
52.5°	12607.0	12774.8	13062.6	13757.9	14707.8	15108.1	14698.6	14479.1	14285.5	13984.8
55°	11889.5	12057.3	12645.7	13754.2	15008.5	15757.3	15812.7	15714.9	15497.3	15023.2
57.5°	10377.0	10626.0	11557.5	13285.8	15003.0	16316.2	16904.6	16974.7	16731.2	16052.5
60°	8281.7	8619.2	9755.4	12247.3	14540.0	16618.7	17861.9	18212.3	17954.1	17066.9
62.5°	5778.7	6169.8	7245.1	10620.5	13481.3	16401.1	18561.0	19208.4	19012.8	17974.4
65°	3524.8	3650.2	4517.1	8357.3	11681.1	15489.9	18776.8	19746.9	19682.4	18529.6
67.5°	2348.0	2453.2	2702.2	5730.8	9067.4	13669.4	18260.3	19652.9	19671.3	18439.2
70°	1414.7	1505.1	1667.4	3333.0	5876.5	10819.7	16661.1	18454.0	18561.0	17231.1
72.5°	582.9	643.7	791.3	1510.6	3043.4	6867.0	13267.3	15844.0	16093.0	14488.4
75°	330.2	361.5	464.8	758.1	1320.6	3200.2	8036.4	11247.6	11614.7	9986.0
77.5°	219.5	234.2	300.6	490.6	743.3	1091.9	3434.4	5859.9	6560.8	5454.1
80°	147.6	160.5	206.6	328.3	483.3	468.5	1093.8	2170.9	2670.8	1874.0
82.5°	99.6	101.4	147.6	215.8	306.2	226.9	322.8	675.1	848.5	542.3
85°	57.2	55.3	108.8	125.4	136.5	94.1	97.8	202.9	265.6	228.7
87.5°	7.4	11.1	42.4	33.2	18.4	20.3	20.3	35.0	51.6	55.3
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°
3200.2	0°	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2	3200.2
3203.9	2.5°	3203.9	3202.0	3196.5	3190.9	3178.0	3170.7	3174.3	3170.7	3168.8	3170.7
3227.8	5°	3227.8	3222.3	3207.5	3189.1	3163.3	3131.9	3111.6	3082.1	3054.5	3037.9
3292.4	7.5°	3292.4	3286.9	3266.6	3214.9	3131.9	3001.0	2881.1	2775.9	2696.6	2650.5
3395.7	10°	3395.7	3386.5	3355.1	3240.7	3023.1	2737.2	2499.3	2301.9	2172.8	2111.9
3517.4	12.5°	3517.4	3506.3	3451.0	3216.8	2816.5	2370.2	2041.8	1822.3	1702.5	1649.0
3657.6	15°	3661.3	3646.5	3537.7	3102.4	2515.9	1964.4	1663.7	1499.6	1422.1	1374.1
3836.5	17.5°	3840.2	3814.4	3602.3	2930.9	2189.4	1654.5	1431.3	1307.7	1239.5	1193.4
4070.8	20°	4072.6	4030.2	3653.9	2726.1	1888.7	1459.0	1274.5	1171.2	1119.6	1079.0
4402.8	22.5°	4397.2	4336.4	3716.6	2504.8	1676.6	1324.3	1158.3	1082.7	1040.3	994.2
4865.7	25°	4799.3	4727.4	3794.1	2300.1	1530.9	1208.1	1073.5	1010.8	961.0	907.5
5472.6	27.5°	5361.9	5232.8	3886.3	2132.2	1405.5	1108.5	996.0	925.9	868.7	824.5
6160.5	30°	5989.0	5776.9	3967.5	2030.8	1291.1	1016.3	894.6	824.5	771.0	739.6
6778.4	32.5°	6582.9	6295.2	4021.0	1986.5	1187.8	911.2	783.9	708.3	667.7	658.5
7383.4	35°	7143.7	6763.7	4015.4	1944.1	1095.6	806.0	675.1	597.6	566.3	571.8
8034.5	37.5°	7789.2	7263.5	3976.7	1877.7	1020.0	710.1	581.0	512.8	485.1	486.9
8825.8	40°	8539.9	7840.9	3952.7	1752.3	937.0	621.6	503.5	448.2	427.9	420.5
9659.5	42.5°	9340.4	8399.7	3956.4	1610.2	833.7	542.3	450.1	403.9	385.5	380.0
10587.3	45°	10144.6	8932.8	3961.9	1462.7	724.9	481.4	411.3	372.6	361.5	354.1
11528.0	47.5°	10900.8	9386.5	3858.6	1304.0	617.9	435.3	380.0	354.1	344.9	335.7
12472.3	50°	11605.4	9689.0	3609.6	1119.6	533.1	398.4	356.0	337.5	328.3	319.1
13328.2	52.5°	12153.2	9737.0	3198.3	929.6	474.0	370.7	341.2	324.6	313.6	304.3
14019.9	55°	12396.7	9436.3	2613.6	752.5	427.9	346.8	326.5	309.9	297.0	287.7
14564.0	57.5°	12334.0	8803.7	2038.1	605.0	383.7	322.8	308.0	297.0	282.2	267.4
15004.8	60°	12026.0	7957.1	1536.4	503.5	343.1	297.0	287.7	278.5	258.2	236.1
15174.5	62.5°	11492.9	6892.8	1095.6	416.9	298.8	267.4	263.8	256.4	226.9	186.3
14923.6	65°	10677.7	5599.8	737.8	346.8	256.4	234.2	236.1	223.2	184.4	138.3
14005.1	67.5°	9486.1	4094.7	472.2	284.0	214.0	195.5	197.4	190.0	156.8	118.0
12263.9	70°	7968.1	2711.4	308.0	215.8	171.5	151.2	162.3	164.2	132.8	95.9
9412.4	72.5°	5841.5	1601.0	215.8	160.5	125.4	105.1	132.8	136.5	107.0	71.9
5662.5	75°	3329.3	759.9	162.3	116.2	77.5	73.8	103.3	103.3	73.8	48.0
2451.3	77.5°	1398.1	317.2	114.4	75.6	44.3	42.4	70.1	64.6	36.9	22.1
597.6	80°	403.9	142.0	60.9	36.9	18.4	16.6	27.7	20.3	9.2	3.7
226.9	82.5°	158.6	62.7	24.0	14.8	7.4	7.4	3.7	0.0	0.0	0.0
129.1	85°	94.1	25.8	11.1	5.5	1.8	0.0	0.0	0.0	0.0	0.0
27.7	87.5°	24.0	5.5	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°
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3200.2
3178.0
3041.5
2652.4
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1189.7
1071.6
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734.1
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