

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: P850538

Luminaire Tested: **GLAN-SB8A-830-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-830-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31166 lumens
Efficiency: N/A
Efficacy: 137.2 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

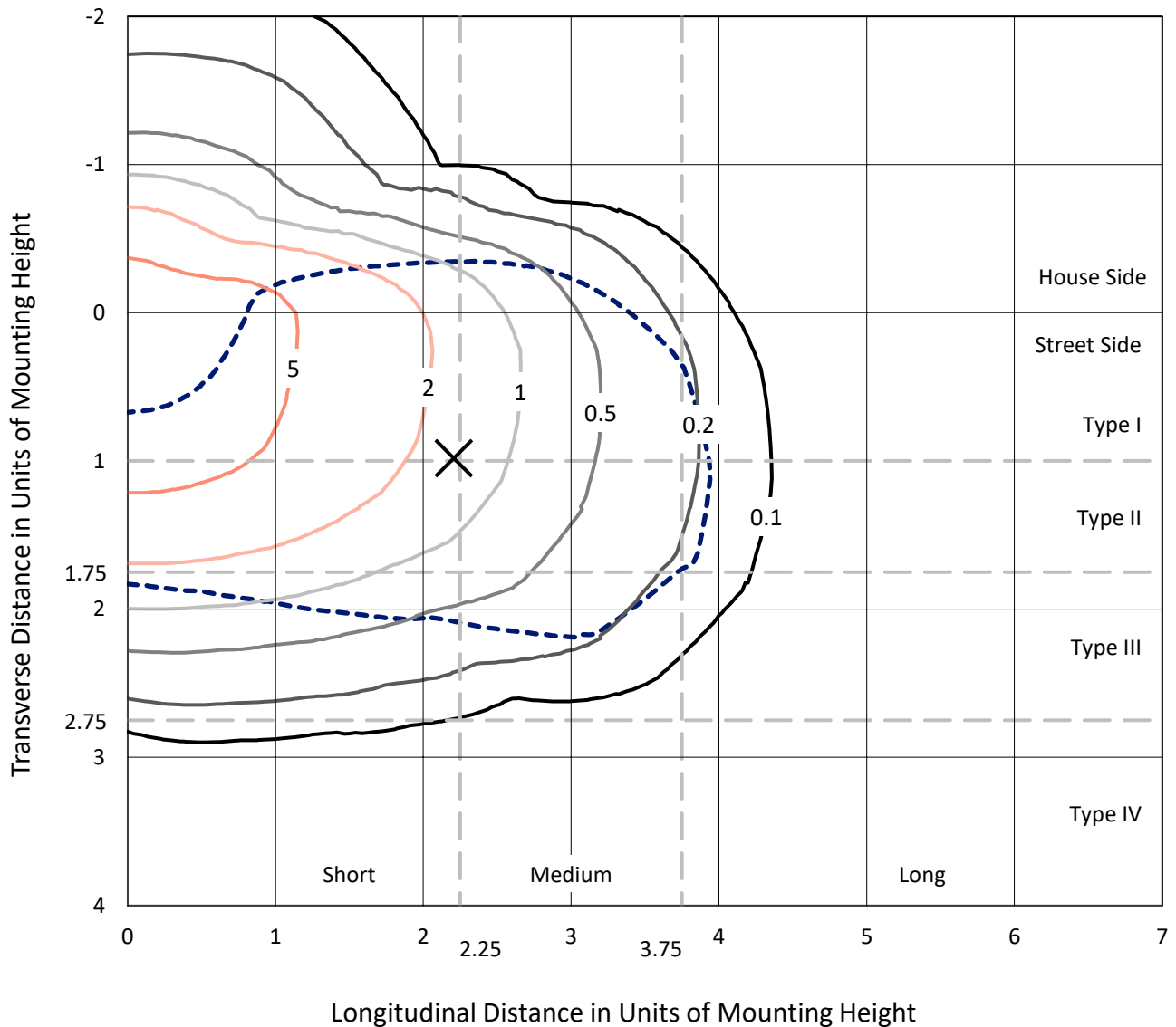
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

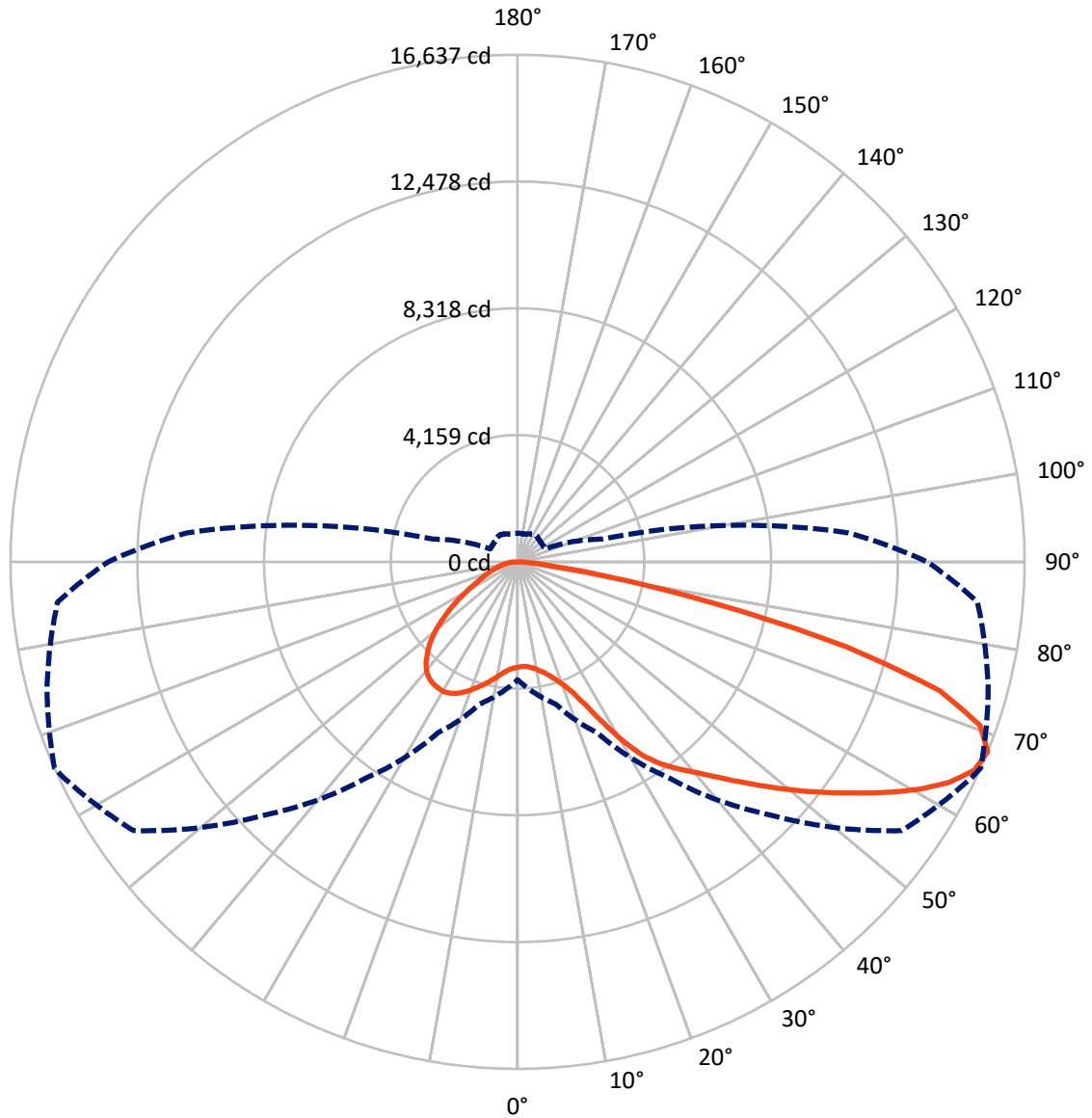
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7749.3	0.0	7749.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23416.7	0.0	23416.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	31166.0	0.0	31166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.7	1.1
10°-20°	1132.3	3.6
20°-30°	2182.5	7.0
30°-40°	3826.6	12.3
40°-50°	5689.0	18.3
50°-60°	7211.3	23.1
60°-70°	7056.1	22.6
70°-80°	3365.8	10.8
80°-90°	359.7	1.2
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°	31166.0	100.0
0°-180°	31166.0	100.0

Coefficient of Utilization

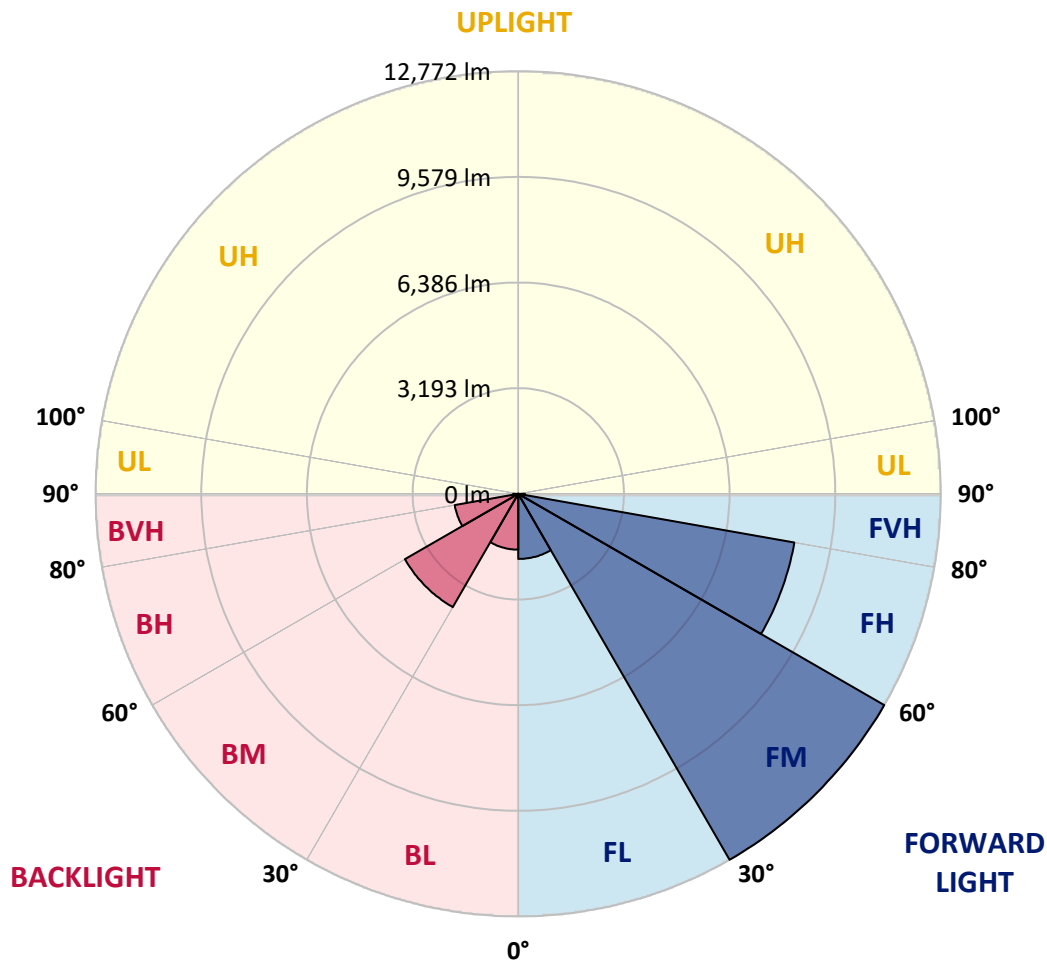


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1969.4	6.3			
FM (30°-60°)	12771.6	41.0			
FH (60°-80°)	8471.8	27.2			G4/12000
FVH (80°-90°)	203.9	0.7			G2/225
BL (0°-30°)	1688.1	5.4	B3/2500		
BM (30°-60°)	3955.3	12.7	B3/5000		
BH (60°-80°)	1950.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	155.8	0.5			G2/225
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°	65°	66°	75°
0°	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7
2.5°	3420.7	3440.3	3435.4	3427.2	3425.6	3428.9	3433.8	3438.7	3437.1	3445.3
5°	3410.9	3430.5	3428.9	3428.9	3435.4	3448.5	3456.7	3464.9	3456.7	3466.5
7.5°	3417.4	3432.2	3438.7	3445.3	3461.6	3486.2	3505.8	3523.9	3514.0	3525.5
10°	3500.9	3512.4	3518.9	3518.9	3530.4	3558.2	3577.9	3610.6	3602.5	3620.5
12.5°	3653.2	3664.7	3664.7	3658.1	3666.3	3684.3	3690.9	3726.9	3712.2	3741.6
15°	3839.9	3862.8	3844.8	3833.3	3836.6	3854.6	3853.0	3880.8	3866.1	3890.7
17.5°	4046.2	4075.7	4046.2	4044.6	4038.0	4057.7	4059.3	4083.9	4057.7	4075.7
20°	4290.2	4331.1	4306.6	4314.8	4300.0	4308.2	4316.4	4352.4	4311.5	4324.6
22.5°	4634.1	4683.2	4657.0	4688.1	4678.3	4671.7	4670.1	4734.0	4670.1	4675.0
25°	5135.1	5194.1	5148.2	5190.8	5190.8	5212.1	5236.7	5318.5	5212.1	5181.0
27.5°	5875.3	5934.2	5844.2	5870.4	5862.2	5914.6	5888.4	6091.4	5976.8	5926.0
30°	6766.1	6870.9	6700.6	6694.0	6685.8	6769.3	6807.0	6941.3	6825.0	6774.3
32.5°	7728.9	7838.6	7635.6	7576.6	7545.5	7596.3	7565.2	7673.2	7593.0	7514.4
35°	8747.4	8855.5	8662.3	8547.6	8423.2	8316.8	8205.4	8233.3	8157.9	8038.4
37.5°	9710.3	9908.4	9703.7	9580.9	9351.7	9143.7	8832.6	8703.2	8632.8	8523.1
40°	10691.1	10804.1	10648.5	10543.7	10294.8	9969.0	9471.2	9197.7	9102.8	8996.3
42.5°	11413.2	11521.3	11437.8	11365.8	11170.9	10792.6	10149.1	9806.9	9669.3	9549.8
45°	11986.4	12066.6	12014.2	12040.4	11956.9	11590.1	10851.6	10460.2	10317.8	10172.0
47.5°	12217.2	12302.4	12385.9	12541.5	12683.9	12413.7	11606.5	11167.6	11017.0	10868.0
50°	12191.0	12277.8	12520.2	12850.9	13293.1	13203.0	12402.3	11920.9	11781.7	11611.4
52.5°	11981.4	12079.7	12390.8	12941.0	13645.1	13794.1	13212.8	12698.7	12567.7	12364.6
55°	11431.3	11490.2	11956.9	12736.3	13728.6	14206.8	14007.0	13527.2	13396.2	13112.9
57.5°	10411.1	10496.2	11175.8	12184.5	13519.0	14486.8	14704.6	14398.4	14272.3	13864.5
60°	9079.8	9215.7	9993.5	11257.7	12985.2	14485.2	15338.3	15254.8	15150.0	14604.7
62.5°	7573.3	7730.5	8478.9	9947.7	12051.9	14074.1	15734.5	15972.0	15917.9	15287.5
65°	5816.3	5924.4	6669.5	8252.9	10599.4	13191.5	15780.4	16461.6	16471.4	15806.6
67.5°	3872.6	4183.8	4830.6	6193.0	8654.1	11748.9	15377.6	16541.8	16636.8	15985.1
70°	1889.7	2299.0	2932.7	4024.9	6193.0	9536.7	14324.7	15883.6	16094.8	15464.4
72.5°	784.4	917.0	1262.5	1986.3	3555.0	6435.3	12209.1	14098.7	14490.1	13702.4
75°	528.9	573.1	722.1	1018.5	1619.5	3173.4	8804.7	10512.6	11143.1	10348.9
77.5°	407.7	435.6	525.6	712.3	962.8	1200.3	4712.7	6335.4	6661.3	6166.8
80°	320.9	342.2	393.0	519.1	682.8	641.9	1606.4	2870.5	3058.8	2565.9
82.5°	278.4	286.6	281.6	352.1	453.6	375.0	527.3	1059.4	1169.2	848.2
85°	201.4	224.3	234.2	217.8	240.7	189.9	216.1	375.0	412.6	368.4
87.5°	81.9	121.2	149.0	140.8	88.4	54.0	67.1	109.7	126.1	137.5
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°
3456.7	0°	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7	3456.7
3458.4	2.5°	3460.0	3471.5	3479.6	3489.5	3496.0	3505.8	3525.5	3537.0	3538.6	3546.8
3484.6	5°	3491.1	3507.5	3525.5	3551.7	3581.2	3605.7	3643.4	3669.6	3679.4	3687.6
3548.4	7.5°	3558.2	3581.2	3613.9	3659.8	3702.3	3735.1	3780.9	3812.1	3843.2	3854.6
3649.9	10°	3658.1	3690.9	3738.4	3800.6	3846.4	3889.0	3936.5	3962.7	3993.8	4006.9
3771.1	12.5°	3782.6	3817.0	3879.2	3966.0	4008.6	4038.0	4054.4	4047.9	4054.4	4065.9
3916.9	15°	3925.0	3962.7	4033.1	4126.5	4155.9	4129.7	4093.7	4061.0	4056.0	4059.3
4093.7	17.5°	4093.7	4121.5	4203.4	4282.0	4260.7	4152.7	4074.1	4021.7	3995.5	3987.3
4319.7	20°	4329.5	4329.5	4396.6	4445.8	4303.3	4119.9	3997.1	3911.9	3857.9	3835.0
4627.5	22.5°	4616.1	4589.9	4632.4	4598.0	4295.1	4028.2	3857.9	3710.5	3628.7	3595.9
5058.2	25°	4979.6	4948.5	4937.0	4724.1	4236.2	3882.5	3605.7	3427.2	3355.2	3337.2
5678.8	27.5°	5528.1	5449.5	5300.5	4792.9	4128.1	3653.2	3311.0	3145.6	3104.7	3106.3
6476.2	30°	6258.5	6101.3	5736.1	4804.4	3951.2	3329.0	3009.7	2891.8	2872.1	2880.3
7146.0	32.5°	6934.7	6785.7	6181.5	4752.0	3679.4	3011.3	2739.5	2660.9	2631.4	2641.3
7656.9	35°	7465.3	7424.3	6594.1	4678.3	3345.4	2713.3	2497.2	2430.0	2372.7	2359.6
8138.3	37.5°	7966.3	7950.0	6903.6	4575.1	3014.6	2502.1	2302.3	2213.9	2130.4	2084.5
8670.5	40°	8516.5	8500.2	7106.7	4416.3	2721.5	2318.7	2127.1	2010.8	1907.7	1824.2
9273.1	42.5°	9135.5	9038.9	7203.3	4188.7	2472.6	2163.1	1984.6	1827.4	1691.5	1614.6
9954.2	45°	9811.8	9594.0	7201.6	3898.8	2263.0	2020.7	1832.3	1609.6	1483.6	1411.5
10653.4	47.5°	10529.0	10124.5	7113.2	3577.9	2060.0	1863.5	1596.5	1426.2	1342.7	1298.5
11413.2	50°	11269.1	10620.7	6962.6	3209.5	1852.0	1685.0	1449.2	1332.9	1269.0	1228.1
12166.5	52.5°	11965.1	11071.0	6780.8	2791.9	1640.8	1511.4	1383.7	1293.6	1226.5	1180.6
12896.8	55°	12611.9	11459.1	6523.7	2364.5	1468.8	1395.1	1352.6	1277.2	1200.3	1146.2
13638.6	57.5°	13186.6	11711.3	6080.0	1963.3	1346.0	1314.9	1319.8	1249.4	1161.0	1115.1
14368.9	60°	13664.8	11896.3	5423.3	1591.6	1246.1	1236.3	1269.0	1197.0	1093.8	1041.4
14986.2	62.5°	13951.3	11893.0	4617.7	1303.4	1161.0	1164.2	1201.9	1131.5	1026.7	977.6
15308.8	65°	13926.8	11601.5	3733.5	1115.1	1079.1	1082.4	1131.5	1059.4	971.0	941.6
15146.7	67.5°	13433.9	10890.9	2864.0	992.3	989.0	1003.8	1061.1	1010.3	936.6	933.4
14180.6	70°	12099.3	9415.5	2063.2	894.1	895.7	917.0	992.3	979.2	918.6	925.2
11922.5	72.5°	9702.1	7178.7	1385.3	790.9	792.5	826.9	926.8	954.7	900.6	987.4
8459.2	75°	6461.5	4476.9	890.8	681.2	682.8	727.0	869.5	907.2	851.5	984.1
4401.5	77.5°	3104.7	2012.5	645.2	573.1	573.1	614.1	751.6	812.2	725.4	764.7
1414.8	80°	1072.5	756.5	507.6	461.8	451.9	479.8	633.7	704.1	625.5	576.4
461.8	82.5°	422.5	393.0	407.7	358.6	325.9	343.9	492.9	581.3	460.1	415.9
260.4	85°	242.3	255.4	288.2	237.4	188.3	211.2	361.9	417.6	347.1	306.2
85.1	87.5°	65.5	90.1	132.6	122.8	85.1	90.1	171.9	230.9	199.8	153.9
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°
3456.7
3545.1
3686.0
3856.3
4013.5
4069.1
4070.8
3998.7
3830.1
3591.0
3340.5
3111.2
2908.2
2654.4
2369.4
2086.2
1832.3
1619.5
1408.2
1288.7
1213.4
1161.0
1124.9
1085.6
1018.5
962.8
939.9
938.3
923.5
1000.5
992.3
700.8
540.4
414.3
312.8
158.8
0.0

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