

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: P849568

Luminaire Tested: **GLAN-SB6C-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849568
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-SB6C-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30659 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

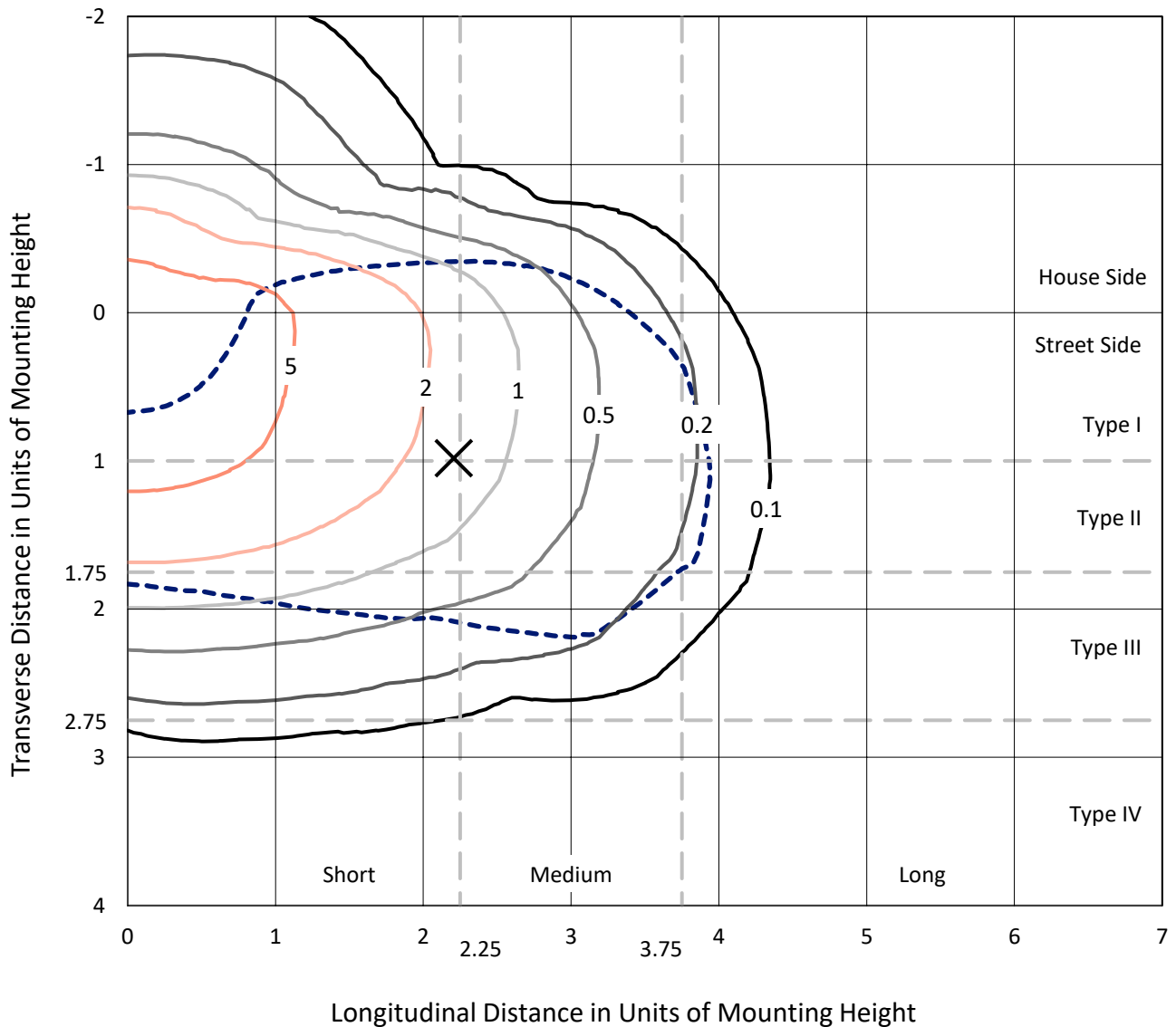
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

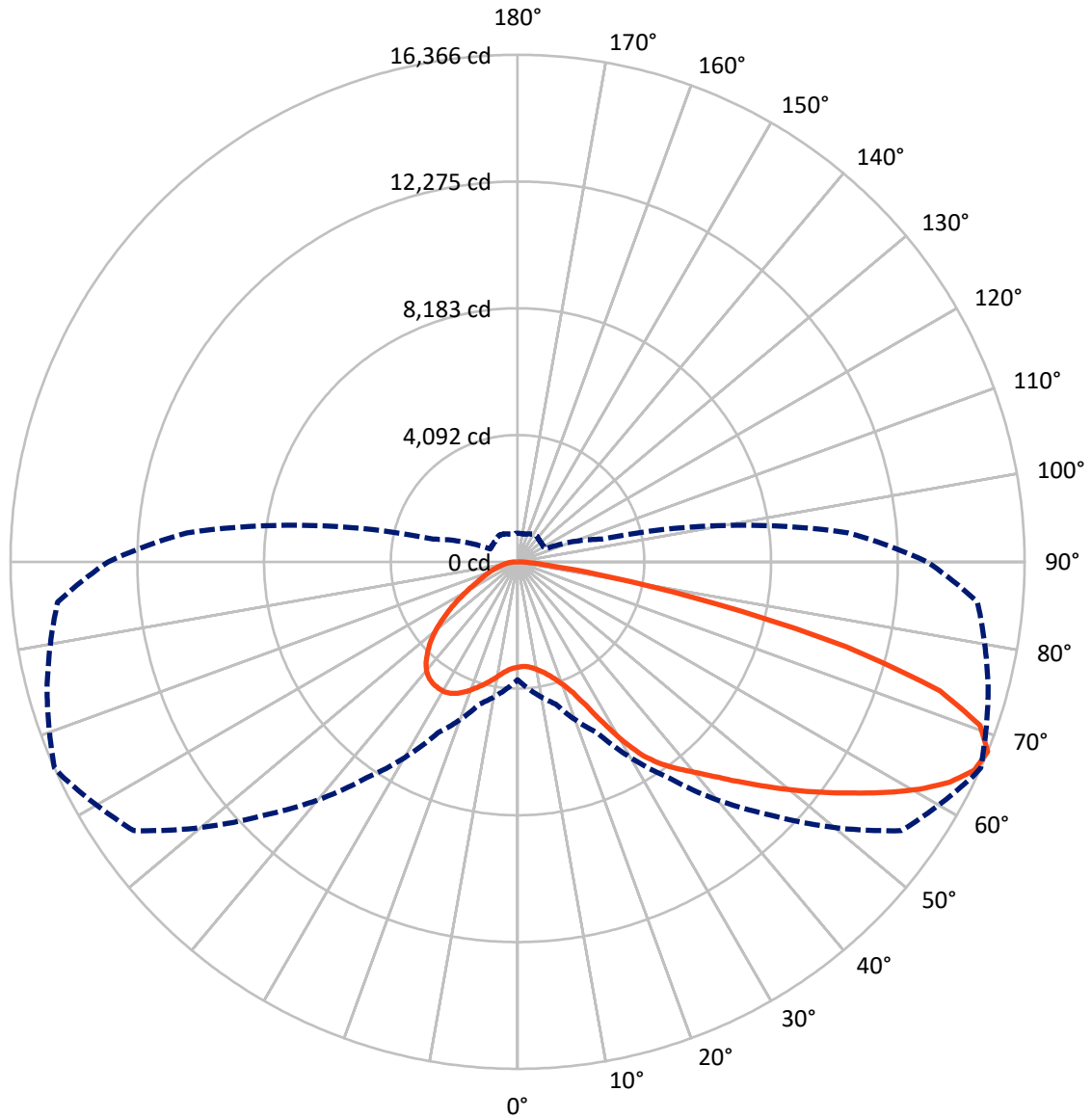
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	7623.3	0.0	7623.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23035.7	0.0	23035.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	30659.0	0.0	30659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	1.1
10°-20°	1113.9	3.6
20°-30°	2146.9	7.0
30°-40°	3764.4	12.3
40°-50°	5596.4	18.3
50°-60°	7094.0	23.1
60°-70°	6941.3	22.6
70°-80°	3311.1	10.8
80°-90°	353.9	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°	30659.0	100.0
0°-180°	30659.0	100.0

Coefficient of Utilization

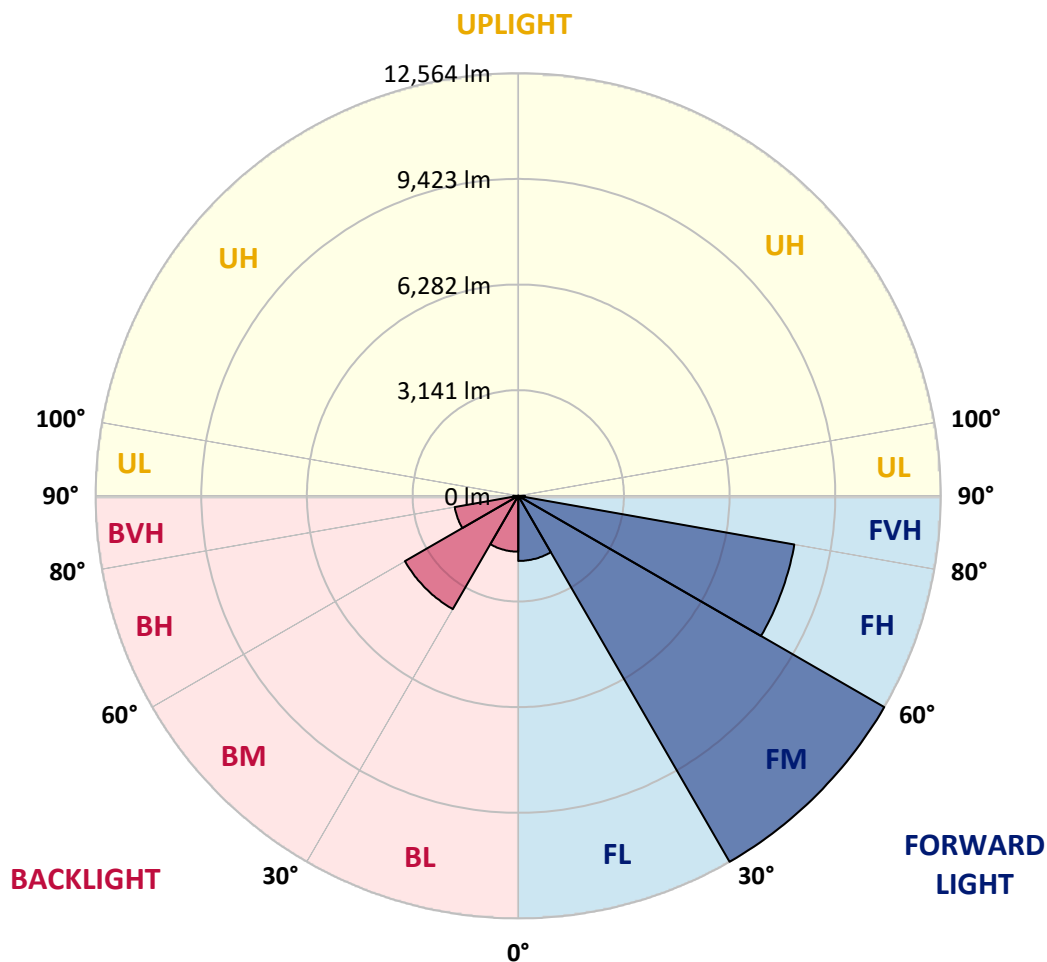


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1937.3	6.3			
FM (30°-60°)	12563.8	41.0			
FH (60°-80°)	8334.0	27.2			G4/12000
FVH (80°-90°)	200.6	0.7			G2/225
BL (0°-30°)	1660.6	5.4	B3/2500		
BM (30°-60°)	3891.0	12.7	B3/5000		
BH (60°-80°)	1918.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	153.2	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°	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5
2.5°	3365.0	3384.4	3379.5	3371.5	3369.9	3373.1	3377.9	3382.8	3381.2	3389.2
5°	3355.4	3374.7	3373.1	3373.1	3379.5	3392.4	3400.5	3408.5	3400.5	3410.2
7.5°	3361.8	3376.3	3382.8	3389.2	3405.3	3429.5	3448.8	3466.5	3456.9	3468.1
10°	3444.0	3455.3	3461.7	3461.7	3473.0	3500.4	3519.7	3551.9	3543.9	3561.6
12.5°	3593.8	3605.1	3605.1	3598.6	3606.7	3624.4	3630.8	3666.3	3651.8	3680.8
15°	3777.4	3800.0	3782.3	3771.0	3774.2	3791.9	3790.3	3817.7	3803.2	3827.4
17.5°	3980.4	4009.4	3980.4	3978.8	3972.3	3991.7	3993.3	4017.4	3991.7	4009.4
20°	4220.4	4260.7	4236.5	4244.6	4230.1	4238.1	4246.2	4281.6	4241.3	4254.2
22.5°	4558.7	4607.0	4581.2	4611.8	4602.2	4595.7	4594.1	4656.9	4594.1	4599.0
25°	5051.6	5109.6	5064.5	5106.4	5106.4	5127.3	5151.5	5232.0	5127.3	5096.7
27.5°	5779.7	5837.7	5749.1	5774.9	5766.8	5818.4	5792.6	5992.3	5879.6	5829.6
30°	6656.0	6759.1	6591.6	6585.1	6577.1	6659.2	6696.3	6828.4	6714.0	6664.1
32.5°	7603.2	7711.1	7511.4	7453.4	7422.8	7472.7	7442.1	7548.4	7469.5	7392.2
35°	8605.1	8711.4	8521.4	8408.6	8286.2	8181.5	8071.9	8099.3	8025.2	7907.6
37.5°	9552.3	9747.2	9545.9	9425.0	9199.5	8994.9	8688.9	8561.6	8492.4	8384.4
40°	10517.2	10628.3	10475.3	10372.2	10127.4	9806.8	9317.1	9048.1	8954.7	8850.0
42.5°	11227.6	11333.9	11251.7	11180.9	10989.2	10617.1	9984.0	9647.3	9512.0	9394.4
45°	11791.4	11870.3	11818.8	11844.5	11762.4	11401.5	10675.1	10290.1	10149.9	10006.6
47.5°	12018.5	12102.3	12184.4	12337.4	12477.6	12211.8	11417.7	10985.9	10837.7	10691.2
50°	11992.7	12078.1	12316.5	12641.9	13076.8	12988.2	12200.5	11726.9	11590.0	11422.5
52.5°	11786.5	11883.2	12189.2	12730.5	13423.1	13569.7	12997.9	12492.1	12363.2	12163.5
55°	11245.3	11303.3	11762.4	12529.1	13505.3	13975.7	13779.1	13307.2	13178.3	12899.6
57.5°	10241.7	10325.5	10994.0	11986.3	13299.1	14251.1	14465.4	14164.1	14040.1	13639.0
60°	8932.1	9065.8	9831.0	11074.5	12774.0	14249.5	15088.8	15006.6	14903.5	14367.1
62.5°	7450.1	7604.8	8340.9	9785.9	11855.8	13845.2	15478.6	15712.2	15659.0	15038.8
65°	5721.7	5828.0	6561.0	8118.6	10427.0	12976.9	15523.7	16193.8	16203.5	15549.5
67.5°	3809.6	4115.7	4752.0	6092.2	8513.3	11557.8	15127.4	16272.7	16366.2	15725.0
70°	1858.9	2261.6	2885.0	3959.5	6092.2	9381.5	14091.6	15625.2	15833.0	15212.8
72.5°	771.6	902.1	1242.0	1954.0	3497.1	6330.6	12010.4	13869.4	14254.3	13479.5
75°	520.3	563.8	710.4	1001.9	1593.1	3121.8	8661.5	10341.6	10961.8	10180.5
77.5°	401.1	428.5	517.1	700.7	947.2	1180.7	4636.0	6232.3	6552.9	6066.4
80°	315.7	336.7	386.6	510.6	671.7	631.5	1580.2	2823.8	3009.1	2524.2
82.5°	273.8	281.9	277.1	346.3	446.2	368.9	518.7	1042.2	1150.1	834.4
85°	198.1	220.7	230.4	214.2	236.8	186.9	212.6	368.9	405.9	362.4
87.5°	80.5	119.2	146.6	138.5	87.0	53.2	66.0	107.9	124.0	135.3
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°
3400.5	0°	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5	3400.5
3402.1	2.5°	3403.7	3415.0	3423.0	3432.7	3439.1	3448.8	3468.1	3479.4	3481.0	3489.1
3427.9	5°	3434.3	3450.4	3468.1	3493.9	3522.9	3547.1	3584.1	3609.9	3619.6	3627.6
3490.7	7.5°	3500.4	3522.9	3555.1	3600.2	3642.1	3674.3	3719.4	3750.0	3780.6	3791.9
3590.6	10°	3598.6	3630.8	3677.6	3738.8	3783.9	3825.8	3872.5	3898.2	3928.8	3941.7
3709.8	12.5°	3721.0	3754.9	3816.1	3901.5	3943.3	3972.3	3988.4	3982.0	3988.4	3999.7
3853.1	15°	3861.2	3898.2	3967.5	4059.3	4088.3	4062.5	4027.1	3994.9	3990.1	3993.3
4027.1	17.5°	4027.1	4054.5	4135.0	4212.4	4191.4	4085.1	4007.8	3956.2	3930.5	3922.4
4249.4	20°	4259.1	4259.1	4325.1	4373.4	4233.3	4052.9	3932.1	3848.3	3795.1	3772.6
4552.2	22.5°	4541.0	4515.2	4557.1	4523.2	4225.2	3962.7	3795.1	3650.2	3569.6	3537.4
4975.9	25°	4898.6	4868.0	4856.7	4647.3	4167.2	3819.3	3547.1	3371.5	3300.6	3282.9
5586.4	27.5°	5438.2	5360.9	5214.3	4714.9	4060.9	3593.8	3257.1	3094.4	3054.2	3055.8
6370.9	30°	6156.6	6002.0	5642.8	4726.2	3887.0	3274.8	2960.7	2844.7	2825.4	2833.5
7029.7	32.5°	6821.9	6675.3	6080.9	4674.7	3619.6	2962.3	2694.9	2617.6	2588.6	2598.3
7532.3	35°	7343.8	7303.6	6486.9	4602.2	3291.0	2669.2	2456.5	2390.5	2334.1	2321.2
8005.9	37.5°	7836.7	7820.6	6791.3	4500.7	2965.6	2461.4	2264.8	2177.9	2095.7	2050.6
8529.4	40°	8378.0	8361.9	6991.1	4344.4	2677.2	2281.0	2092.5	1978.1	1876.6	1794.5
9122.2	42.5°	8986.9	8891.8	7086.1	4120.5	2432.4	2127.9	1952.3	1797.7	1664.0	1588.3
9792.3	45°	9652.2	9437.9	7084.5	3835.4	2226.2	1987.8	1802.5	1583.5	1459.4	1388.5
10480.1	47.5°	10357.7	9959.8	6997.5	3519.7	2026.4	1833.1	1570.6	1403.0	1320.9	1277.4
11227.6	50°	11085.8	10447.9	6849.3	3157.3	1821.9	1657.6	1425.6	1311.2	1248.4	1208.1
11968.6	52.5°	11770.4	10890.9	6670.5	2746.5	1614.1	1486.8	1361.2	1272.6	1206.5	1161.4
12687.0	55°	12406.7	11272.7	6417.6	2326.1	1444.9	1372.4	1330.6	1256.5	1180.7	1127.6
13416.7	57.5°	12972.1	11520.7	5981.1	1931.4	1324.1	1293.5	1298.3	1229.1	1142.1	1097.0
14135.1	60°	13442.5	11702.8	5335.1	1565.7	1225.9	1216.2	1248.4	1177.5	1076.0	1024.5
14742.4	62.5°	13724.4	11699.5	4542.6	1282.2	1142.1	1145.3	1182.4	1113.1	1010.0	961.7
15059.8	65°	13700.2	11412.8	3672.7	1097.0	1061.5	1064.8	1113.1	1042.2	955.2	926.2
14900.3	67.5°	13215.4	10713.7	2817.4	976.2	972.9	987.4	1043.8	993.9	921.4	918.2
13949.9	70°	11902.5	9262.3	2029.7	879.5	881.1	902.1	976.2	963.3	903.7	910.1
11728.5	72.5°	9544.2	7061.9	1362.8	778.0	779.6	813.5	911.7	939.1	886.0	971.3
8321.6	75°	6356.4	4404.0	876.3	670.1	671.7	715.2	855.4	892.4	837.6	968.1
4329.9	77.5°	3054.2	1979.7	634.7	563.8	563.8	604.1	739.4	799.0	713.6	752.3
1391.8	80°	1055.1	744.2	499.4	454.3	444.6	472.0	623.4	692.7	615.3	567.0
454.3	82.5°	415.6	386.6	401.1	352.8	320.6	338.3	484.9	571.8	452.6	409.2
256.1	85°	238.4	251.3	283.5	233.6	185.2	207.8	356.0	410.8	341.5	301.2
83.8	87.5°	64.4	88.6	130.5	120.8	83.8	88.6	169.1	227.1	196.5	151.4
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°
3400.5
3487.5
3626.0
3793.5
3948.2
4002.9
4004.6
3933.7
3767.8
3532.6
3286.1
3060.6
2860.9
2611.2
2330.9
2052.2
1802.5
1593.1
1385.3
1267.7
1193.6
1142.1
1106.6
1068.0
1001.9
947.2
924.6
923.0
908.5
984.2
976.2
689.4
531.6
407.5
307.7
156.3
0.0

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