

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: P848848

Luminaire Tested: **GLAN-SB5C-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848848
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-SB5C-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31344 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

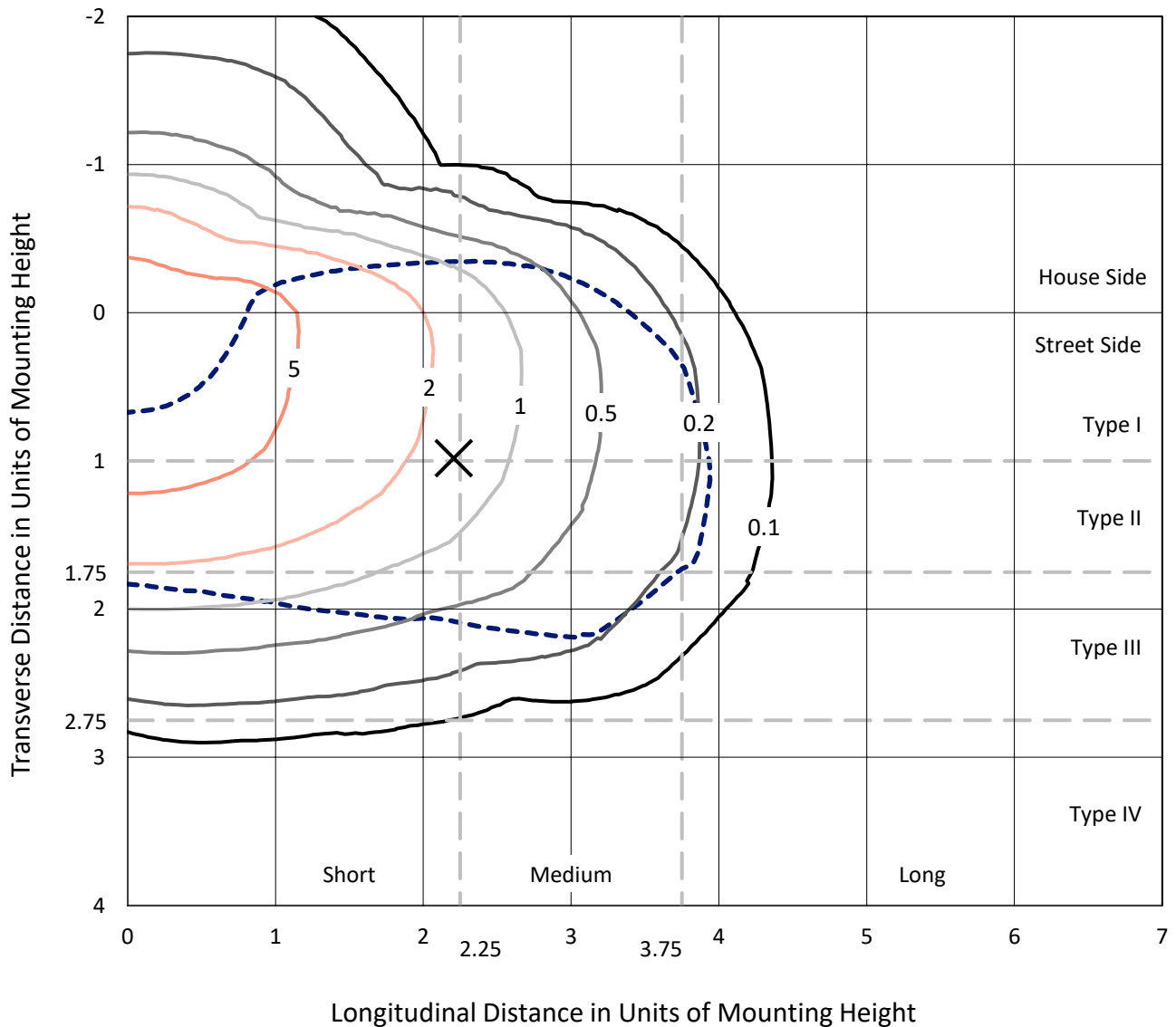
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

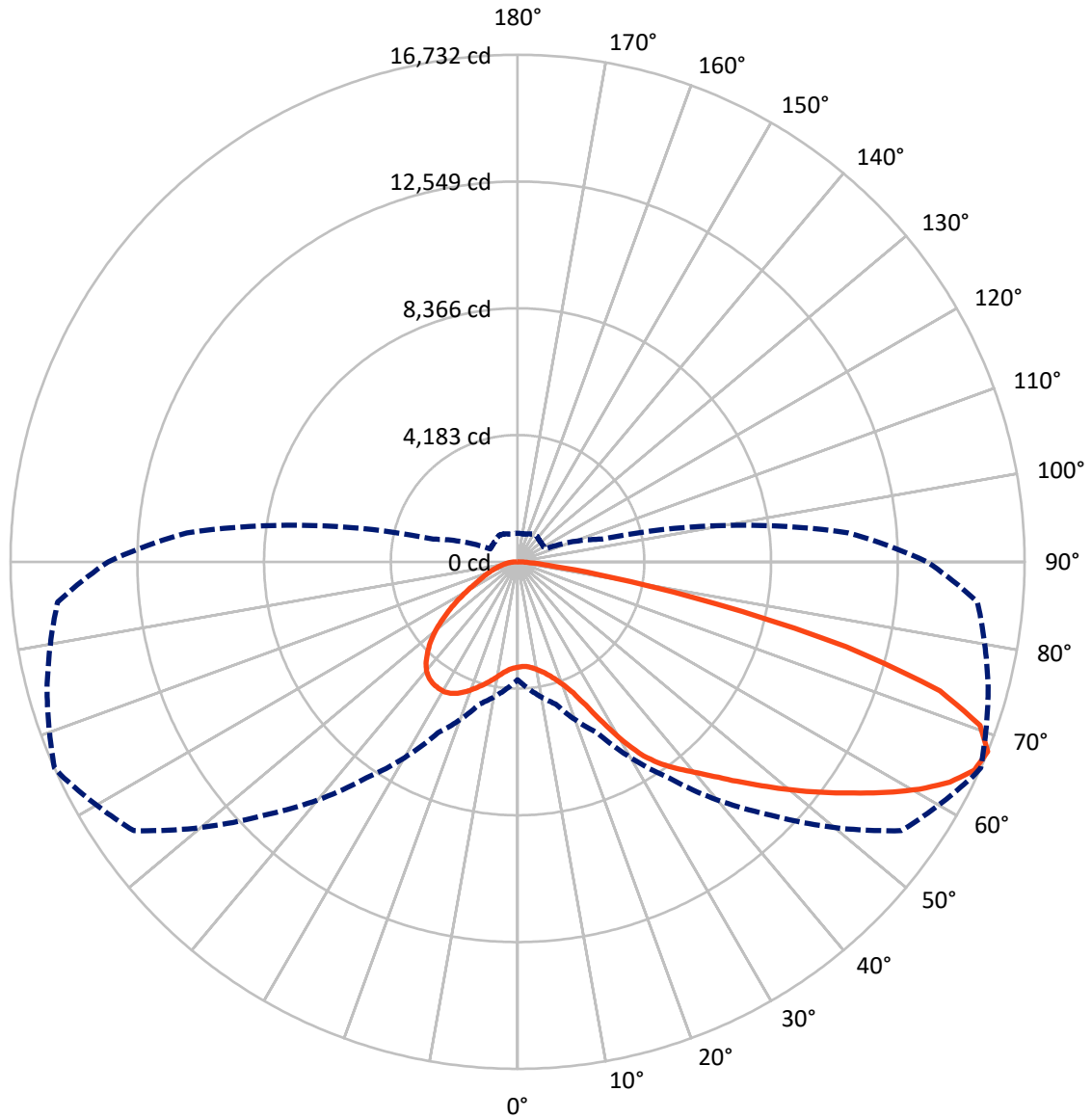
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	7793.6	0.0	7793.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23550.4	0.0	23550.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	31344.0	0.0	31344.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.7	1.1
10°-20°	1138.8	3.6
20°-30°	2194.9	7.0
30°-40°	3848.5	12.3
40°-50°	5721.4	18.3
50°-60°	7252.5	23.1
60°-70°	7096.4	22.6
70°-80°	3385.0	10.8
80°-90°	361.8	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°	31344.0	100.0
0°-180°	31344.0	100.0

Coefficient of Utilization

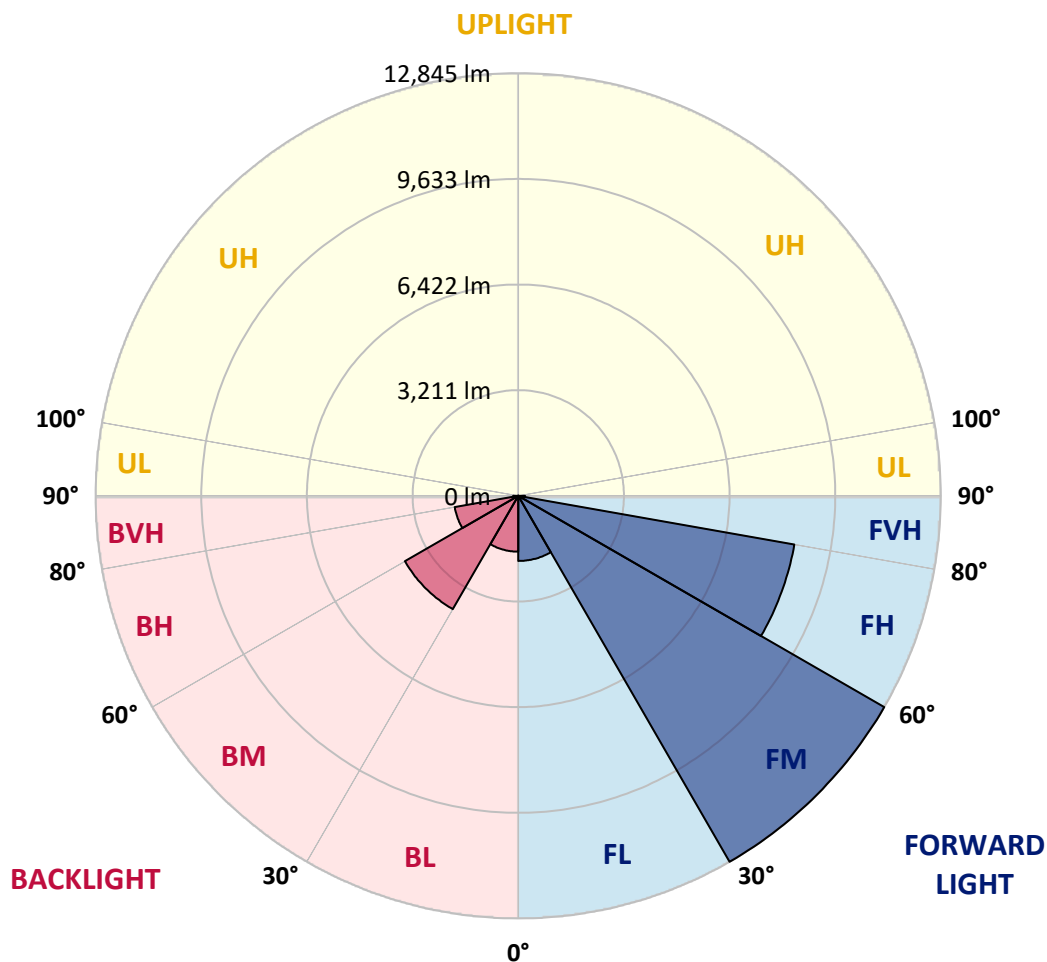


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1980.6	6.3			
FM (30°-60°)	12844.5	41.0			
FH (60°-80°)	8520.2	27.2			G4/12000
FVH (80°-90°)	205.1	0.7			G2/225
BL (0°-30°)	1697.7	5.4	B3/2500		
BM (30°-60°)	3977.9	12.7	B3/5000		
BH (60°-80°)	1961.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	156.7	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°	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5
2.5°	3440.2	3460.0	3455.1	3446.8	3445.2	3448.5	3453.4	3458.3	3456.7	3464.9
5°	3430.4	3450.1	3448.5	3448.5	3455.1	3468.2	3476.5	3484.7	3476.5	3486.3
7.5°	3436.9	3451.8	3458.3	3464.9	3481.4	3506.1	3525.9	3544.0	3534.1	3545.6
10°	3520.9	3532.5	3539.0	3539.0	3550.6	3578.6	3598.3	3631.3	3623.0	3641.1
12.5°	3674.1	3685.6	3685.6	3679.0	3687.3	3705.4	3712.0	3748.2	3733.4	3763.0
15°	3861.8	3884.9	3866.8	3855.2	3858.5	3876.6	3875.0	3903.0	3888.2	3912.9
17.5°	4069.3	4099.0	4069.3	4067.7	4061.1	4080.9	4082.5	4107.2	4080.9	4099.0
20°	4314.7	4355.9	4331.2	4339.4	4324.6	4332.8	4341.1	4377.3	4336.1	4349.3
22.5°	4660.5	4709.9	4683.6	4714.9	4705.0	4698.4	4696.8	4761.0	4696.8	4701.7
25°	5164.5	5223.8	5177.6	5220.5	5220.5	5241.9	5266.6	5348.9	5241.9	5210.6
27.5°	5908.8	5968.1	5877.5	5903.9	5895.7	5948.4	5922.0	6126.2	6010.9	5959.9
30°	6804.7	6910.1	6738.8	6732.3	6724.0	6808.0	6845.9	6980.9	6864.0	6812.9
32.5°	7773.1	7883.4	7679.2	7619.9	7588.6	7639.7	7608.4	7717.1	7636.4	7557.3
35°	8797.4	8906.1	8711.7	8596.5	8471.3	8364.3	8252.3	8280.3	8204.5	8084.3
37.5°	9765.7	9965.0	9759.1	9635.6	9405.1	9195.9	8883.0	8752.9	8682.1	8571.8
40°	10752.2	10865.8	10709.4	10604.0	10353.6	10025.9	9525.3	9250.3	9154.7	9047.7
42.5°	11478.4	11587.1	11503.1	11430.7	11234.7	10854.3	10207.1	9862.9	9724.5	9604.3
45°	12054.8	12135.5	12082.8	12109.2	12025.2	11656.3	10913.6	10520.0	10376.7	10230.1
47.5°	12287.0	12372.7	12456.6	12613.1	12756.4	12484.6	11672.8	11231.4	11079.9	10930.0
50°	12260.7	12348.0	12591.7	12924.3	13369.0	13278.4	12473.1	11988.9	11849.0	11677.7
52.5°	12049.9	12148.7	12461.6	13014.9	13723.1	13872.9	13288.3	12771.2	12639.4	12435.2
55°	11496.5	11555.8	12025.2	12809.1	13807.0	14287.9	14087.0	13604.5	13472.7	13187.8
57.5°	10470.6	10556.2	11239.6	12254.1	13596.3	14569.5	14788.6	14480.6	14353.8	13943.7
60°	9131.7	9268.4	10050.6	11322.0	13059.4	14567.9	15425.9	15341.9	15236.5	14688.1
62.5°	7616.6	7774.7	8527.3	10004.5	12120.7	14154.5	15824.4	16063.2	16008.9	15374.8
65°	5849.5	5958.2	6707.5	8300.0	10659.9	13266.9	15870.5	16555.6	16565.5	15896.9
67.5°	3894.8	4207.7	4858.2	6228.3	8703.5	11816.0	15465.4	16636.3	16731.8	16076.4
70°	1900.4	2312.2	2949.5	4047.9	6228.3	9591.2	14406.5	15974.3	16186.7	15552.7
72.5°	788.8	922.2	1269.7	1997.6	3575.3	6472.1	12278.8	14179.2	14572.8	13780.7
75°	531.9	576.4	726.3	1024.3	1628.7	3191.6	8855.0	10572.7	11206.7	10408.0
77.5°	410.1	438.1	528.6	716.4	968.3	1207.1	4739.6	6371.6	6699.3	6202.0
80°	322.8	344.2	395.2	522.0	686.7	645.6	1615.5	2886.9	3076.3	2580.6
82.5°	280.0	288.2	283.3	354.1	456.2	377.1	530.3	1065.5	1175.8	853.1
85°	202.6	225.6	235.5	219.0	242.1	191.0	217.4	377.1	415.0	370.5
87.5°	82.3	121.9	149.9	141.6	88.9	54.3	67.5	110.3	126.8	138.3
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°
3476.5	0°	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5
3478.1	2.5°	3479.8	3491.3	3499.5	3509.4	3516.0	3525.9	3545.6	3557.2	3558.8	3567.0
3504.5	5°	3511.0	3527.5	3545.6	3572.0	3601.6	3626.3	3664.2	3690.6	3700.4	3708.7
3568.7	7.5°	3578.6	3601.6	3634.6	3680.7	3723.5	3756.4	3802.5	3833.8	3865.1	3876.6
3670.8	10°	3679.0	3712.0	3759.7	3822.3	3868.4	3911.2	3959.0	3985.3	4016.6	4029.8
3792.7	12.5°	3804.2	3838.8	3901.3	3988.6	4031.4	4061.1	4077.6	4071.0	4077.6	4089.1
3939.2	15°	3947.5	3985.3	4056.1	4150.0	4179.7	4153.3	4117.1	4084.1	4079.2	4082.5
4117.1	17.5°	4117.1	4145.1	4227.4	4306.5	4285.1	4176.4	4097.3	4044.6	4018.3	4010.0
4344.3	20°	4354.2	4354.2	4421.7	4471.2	4327.9	4143.4	4019.9	3934.3	3879.9	3856.9
4653.9	22.5°	4642.4	4616.1	4658.9	4624.3	4319.6	4051.2	3879.9	3731.7	3649.4	3616.4
5087.1	25°	5008.0	4976.7	4965.2	4751.1	4260.4	3904.6	3626.3	3446.8	3374.4	3356.2
5711.2	27.5°	5559.7	5480.7	5330.8	4820.3	4151.7	3674.1	3329.9	3163.6	3122.4	3124.0
6513.2	30°	6294.2	6136.1	5768.9	4831.8	3973.8	3348.0	3026.9	2908.3	2888.5	2896.8
7186.8	32.5°	6974.3	6824.5	6216.8	4779.1	3700.4	3028.5	2755.2	2676.1	2646.5	2656.3
7700.6	35°	7507.9	7466.7	6631.8	4705.0	3364.5	2728.8	2511.4	2443.9	2386.3	2373.1
8184.8	37.5°	8011.8	7995.4	6943.0	4601.3	3031.8	2516.4	2315.4	2226.5	2142.5	2096.4
8720.0	40°	8565.2	8548.7	7147.3	4441.5	2737.0	2331.9	2139.2	2022.3	1918.6	1834.6
9326.0	42.5°	9187.7	9090.5	7244.4	4212.6	2486.7	2175.5	1996.0	1837.9	1701.2	1623.8
10011.1	45°	9867.8	9648.8	7242.8	3921.1	2275.9	2032.2	1842.8	1618.8	1492.0	1419.6
10714.3	47.5°	10589.1	10182.4	7153.8	3598.3	2071.7	1874.1	1605.7	1434.4	1350.4	1305.9
11478.4	50°	11333.5	10681.4	7002.3	3227.8	1862.6	1694.6	1457.4	1340.5	1276.3	1235.1
12236.0	52.5°	12033.4	11134.2	6819.5	2807.8	1650.1	1520.0	1391.6	1301.0	1233.5	1187.4
12970.5	55°	12683.9	11524.5	6561.0	2378.0	1477.2	1403.1	1360.3	1284.5	1207.1	1152.8
13716.5	57.5°	13261.9	11778.1	6114.7	1974.6	1353.7	1322.4	1327.3	1256.5	1167.6	1121.5
14451.0	60°	13742.8	11964.2	5454.3	1600.7	1253.2	1243.4	1276.3	1203.8	1100.1	1047.4
15071.8	62.5°	14031.0	11960.9	4644.1	1310.9	1167.6	1170.9	1208.8	1138.0	1032.6	983.2
15396.2	65°	14006.3	11667.8	3754.8	1121.5	1085.3	1088.6	1138.0	1065.5	976.6	946.9
15233.2	67.5°	13510.6	10953.1	2880.3	998.0	994.7	1009.5	1067.1	1016.1	942.0	938.7
14261.6	70°	12168.4	9469.3	2075.0	899.2	900.8	922.2	998.0	984.8	923.9	930.5
11990.6	72.5°	9757.5	7219.7	1393.2	795.4	797.1	831.7	932.1	960.1	905.8	993.0
8507.5	75°	6498.4	4502.4	895.9	685.1	686.7	731.2	874.5	912.3	856.4	989.7
4426.7	77.5°	3122.4	2024.0	648.9	576.4	576.4	617.6	755.9	816.8	729.5	769.1
1422.9	80°	1078.7	760.8	510.5	464.4	454.5	482.5	637.3	708.1	629.1	579.7
464.4	82.5°	424.9	395.2	410.1	360.7	327.7	345.8	495.7	584.6	462.8	418.3
261.8	85°	243.7	256.9	289.8	238.8	189.4	212.4	364.0	419.9	349.1	308.0
85.6	87.5°	65.9	90.6	133.4	123.5	85.6	90.6	172.9	232.2	200.9	154.8
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°
3476.5
3565.4
3707.0
3878.3
4036.4
4092.4
4094.0
4021.6
3851.9
3611.5
3359.5
3129.0
2924.8
2669.5
2383.0
2098.1
1842.8
1628.7
1416.3
1296.1
1220.3
1167.6
1131.4
1091.9
1024.3
968.3
945.3
943.6
928.8
1006.2
998.0
704.8
543.5
416.6
314.5
159.7
0.0

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